



LTE;
5G;
5GS;

User Equipment (UE) conformance specification;
Part 2: Common Implementation Conformance Statement (ICS)
proforma
(3GPP TS 38.508-2 version 18.7.0 Release 18)



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Foreword

This Technical Specification has been produced by the 3rd Generation Partnership Project (3GPP).

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- z the third digit is incremented when editorial only changes have been incorporated in the document.

The present document is part 2 of a multi-part deliverable covering the 5G System (5GS) User Equipment (UE) protocol conformance specification, as identified below:

- 3GPP TS 38.508-1 [11]: "5GS; User Equipment (UE) conformance specification; Part 1: Common test environment".
- 3GPP TS 38.508-2: **"5GS; User Equipment (UE) conformance specification; Part 2: Common Implementation Conformance Statement (ICS) proforma"** (the present document).

1 Scope

The present document provides the Implementation Conformance Statement (ICS) proforma for 5G New Radio (NR) User Equipment (UE), in compliance with the relevant requirements.

Special conformance testing functions can be found in 3GPP TS 38.509 [12] and 3GPP TS 36.509 [14] and the common test environments are included in 3GPP TS 38.508-1 [11] and 3GPP TS 36.508 [13].

The present document is valid for UE implemented according to 3GPP Releases starting from Release 15 up to the Release indicated on the cover page of the present document.

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

- [1] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".
- [2] 3GPP TS 38.523-1: "5GS; UE conformance specification; Part 1: Protocol conformance specification".
- [3] 3GPP TS 38.523-2: "5GS; User Equipment (UE) conformance specification; Part 2: Applicability of protocol test cases".
- [4] 3GPP TS 38.523-3: "5GS; User Equipment (UE) conformance specification; Part 3: Protocol Test Suites".
- [5] 3GPP TS 38.521-1: "NR; User Equipment (UE) conformance specification; Radio transmission and reception; Part 1: Range 1 Standalone".
- [6] 3GPP TS 38.521-2: "NR; User Equipment (UE) conformance specification; Radio transmission and reception; Part 2: Range 2 Standalone".
- [7] 3GPP TS 38.521-3: "NR; User Equipment (UE) conformance specification; Radio transmission and reception; Part 3: Range 1 and Range 2 Interworking operation with other radios".
- [8] 3GPP TS 38.521-4: "NR; User Equipment conformance specification; Radio transmission and reception; Part 4: Performance".
- [9] 3GPP TS 38.522: "NR; User Equipment (UE) conformance specification; Applicability of radio transmission, radio reception and radio resource management test cases".
- [10] 3GPP TS 38.533: "NR; User Equipment (UE) conformance specification; Radio resource management".
- [11] 3GPP TS 38.508-1: "5GS; User Equipment (UE) conformance specification; Part 1: Common test environment".
- [12] 3GPP TS 38.509: "5GS; Special conformance testing functions for UE".
- [13] 3GPP TS 36.508: "Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Universal Terrestrial Radio Access (E-UTRAN); Common Test Environments for User Equipment (UE) Conformance Testing".

- [14] 3GPP TS 36.509: "Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Universal Terrestrial Radio Access Network (E-UTRAN); Special conformance testing functions for User Equipment (UE)".
- [15] 3GPP TS 34.229-2: "Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); User Equipment (UE) conformance specification; Part 2: Implementation Conformance Statement (ICS) specification".
- [16] 3GPP TS 36.523-2: "Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Universal Terrestrial Radio Access (E-UTRAN); User Equipment (UE) conformance specification; Part 2: Implementation Conformance Statement (ICS) proforma specification".
- [17] 3GPP TS 38.306: "NR; User Equipment (UE) radio access capabilities".
- [18] ISO/IEC 9646-7: "Information technology - Open systems interconnection - Conformance testing methodology and framework - Part 7: Implementation Conformance Statements".
- [19] 3GPP TS 38.307: "NR; User Equipments (UEs) supporting a release-independent frequency band".
- [20] 3GPP TS 37.340: "Evolved Universal Terrestrial Radio Access (E-UTRA) and NR; Multi-connectivity; Stage 2".
- [21] 3GPP TS 38.300: "NR; NR and NG-RAN Overall Description; Stage 2".
- [22] 3GPP TS 24.229: "IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3"
- [23] 3GPP TS 38.101-1: "NR; User Equipment (UE) radio transmission and reception; Part 1: Range 1 Standalone"
- [24] 3GPP TS 38.101-2: "NR; User Equipment (UE) radio transmission and reception; Part 2: Range 2 Standalone"
- [25] 3GPP TS 38.101-3: "NR; User Equipment (UE) radio transmission and reception; Part 3: Range 1 and Range 2 Interworking operation with other radios"
- [26] 3GPP TS 23.003: "Numbering, addressing and identification"
- [27] GSMA TS 48: "Generic eUICC Test Profile for Device Testing"
- [28] 3GPP TS 27.007: "AT command set for User Equipment (UE)"

3 Definitions, symbols and abbreviations

3.1 Definitions

For the purposes of the present document, the terms and definitions given in TR 21.905 [5] and the following apply. A term defined in the present document takes precedence over the definition of the same term, if any, in TR 21.905 [5].

Implementation Conformance Statement (ICS): statement made by the supplier of an implementation or system claimed to conform to a given specification, stating which capabilities have been implemented

ICS proforma: document, in the form of a questionnaire, which when completed for an implementation or system becomes an ICS

Protocol Implementation Conformance Statement (PICS): An ICS for an implementation or system claimed to conform to a given protocol specification

Static conformance review: A review of the extent to which the static conformance requirements are claimed to be supported by the UEUT, by comparing the answers in the ICS(s) with the static conformance requirements expressed in the relevant specification(s)

3.2 Symbols

For the purposes of the present document, the following symbols apply:

<symbol> <Explanation>

3.3 Abbreviations

For the purposes of the present document, the abbreviations given in 3GPP TR 21.905 [1] and the following apply. An abbreviation defined in the present document takes precedence over the definition of the same abbreviation, if any, in 3GPP TR 21.905 [1].

For the purposes of the present document, the following abbreviations apply:

FFS	For Further Study
ICS	Implementation Conformance Statement
PICS	Protocol Implementation Conformance Statement
SCS	System Conformance Statement
TC	Test Case
UEUT	User Equipment Under Test

Annex A (normative):ICS proforma for NR/5GS Generation User Equipment

Notwithstanding the provisions of the copyright clause related to the text of the present document, The Organizational Partners of 3GPP grant that users of the present document may freely reproduce the ICS proforma in this annex so that it can be used for its intended purposes and may further publish the completed ICS.
--

A.1 Guidance for completing the ICS proforma

A.1.1 Purposes and structure

The purpose of this ICS proforma is to provide a mechanism whereby a supplier of an implementation of the requirements defined in relevant specifications may provide information about the implementation in a standardised manner.

The ICS proforma is subdivided into clauses for the following categories of information:

- instructions for completing the ICS proforma;
- identification of the implementation;
- identification of the protocol;
- ICS proforma tables (for example: UE implementation types, Teleservices, etc).

A.1.2 Abbreviations and conventions

The ICS proforma contained in this annex is comprised of information in tabular form in accordance with the guidelines presented in ISO/IEC 9646-7 [18].

Item column

The item column contains a number which identifies the item in the table.

Item description column

The item description column describes in free text each respective item (e.g. parameters, timers, etc.). It implicitly means "is <item description> supported by the implementation?".

Reference column

The reference column gives reference to the relevant 3GPP core specifications.

Release column

The release column indicates the earliest release from which the capability or option is introduced.

Mnemonic column

The Mnemonic column contains mnemonic identifiers for each item.

Comments column

This column is left blank for particular use by the reader of the present document.

References to items

For each possible item answer (answer in the support column) within the ICS proforma there exists a unique reference, used, for example, in the conditional expressions. It is defined as the table identifier, followed by a solidus character "/", followed by the item number in the table. If there is more than one support column in a table, the columns shall be discriminated by letters (a, b, etc.), respectively.

A.1.3 Instructions for completing the ICS proforma

The supplier of the implementation may complete the ICS proforma in each of the spaces provided. More detailed instructions are given at the beginning of the different clauses of the ICS proforma.

A.2 Identification of the User Equipment

Identification of the User Equipment should be filled in so as to provide as much detail as possible regarding version numbers and configuration options.

The product supplier information and client information should both be filled in if they are different.

A person who can answer queries regarding information supplied in the ICS should be named as the contact person.

A.2.1 Date of the statement

.....

A.2.2 User Equipment Under Test (UEUT) identification

UEUT name:

.....
.....

Hardware configuration:

.....
.....
.....

Software configuration:

.....
.....
.....

A.2.3 Product supplier

Name:

.....

Address:

.....

.....

.....

Telephone number:

.....

Facsimile number:

.....

E-mail address:

.....

Additional information:

.....

.....

.....

A.2.4 Client

Name:

.....

Address:

.....

.....

.....

Telephone number:

.....

Facsimile number:

.....

E-mail address:

.....

Additional information:

.....
.....
.....

A.2.5 ICS contact person

Name:

.....

Telephone number:

.....

Facsimile number:

.....

E-mail address:

.....

Additional information:

.....
.....

A.3 Identification of the protocol

This ICS proforma applies to the 3GPP standards listed in the normative references clause of the present document.

A.4 ICS proforma tables

A.4.1 UE Implementation Types

Table A.4.1-1: UE Radio Technologies

Item	UE Radio Technologies	Ref.	Release	Mnemonic	Comments
1	NR FDD	38.101-1	Rel-15	pc_nrFDD	
2	NR TDD	38.101-1, 38.101-2	Rel-15	pc_nrTDD	
3	NR sidelink	38.101-1	Rel-16	pc_nrSL	

Table A.4.1-2: UE general functionality

Item	UE Functionality	Ref.	Release	Mnemonic	Comments
1	Multiple NR FDD bands	38.101-1, 5.2	Rel-15	pc_nrFDD_MultiBand	
2	Multiple NR TDD bands	38.101-1, 5.2, 38.101-2, 5.2	Rel-15	pc_nrTDD_MultiBand	
3	NR SUL	38.101-1	Rel-15	pc_nrSUL	
4	NR SDL	38.101-1	Rel-15	pc_nrSDL	
5	Multiple NR SUL bands	38.101-1, 5.2	Rel-15	pc_nrSUL_MultiBand	
6	Multiple NR SDL bands	38.101-1, 5.2	Rel-15	pc_nrSDL_MultiBand	
7	Frequency range FR1	38.101-1, 5.1	Rel-15	pc_nrFR1	
8	Frequency range FR2	38.101-2, 5.1	Rel-15	pc_nrFR2	
9	Frequency range FR1-NTN	38.101-5, 5.1	Rel-17	pc_nrFR1_NTN	

Table A.4.1-3: RAN-CN Interface Options

Item	UE support of RAN-CN Interface Options	Ref.	Release	Mnemonic	Comments
1	NG-RAN NR	38.300	Rel-15	pc_NG_RAN_NR	Option 2
2	EN-DC	37.340	Rel-15	pc_EN_DC	Option 3
3	NE-DC	37.340	Rel-15	pc_NE_DC	Option 4
4	NG-RAN E-UTRA	38.300	Rel-15	pc_NG_RAN_EUTRA	Option 5
5	NGEN-DC	37.340	Rel-15	pc_NGEN_DC	Option 7

Table A.4.1-4: NSA DC UE Radio Technologies

Item	NSA UE Radio Technologies	Ref.	Release	Mnemonic	Comments
1	Intra-Band Contiguous EN-DC	38.101-3, 5.5B.2	Rel-15	pc_IntraBand_Contiguous_ENDC	
2	Intra-Band Non-Contiguous EN-DC	38.101-3, 5.5B.3	Rel-15	pc_IntraBand_NonContiguous_ENDC	
3	Inter-Band EN-DC within FR1	38.101-3, 5.5B.4	Rel-15	pc_InterBand_ENDC_WithinFR1	
4	Inter-Band EN-DC including FR2	38.101-3, 5.5B.5	Rel-15	pc_InterBand_ENDC_IncludingFR2	
5	Inter-band EN-DC including FR1 and FR2	38.101-3, 5.5B.6	Rel-15	pc_InterBand_ENDC_IncludingFR1_FR2	
6	Inter-band NR-DC between FR1 and FR2	38.101-3, 5.5B.7	Rel-15	pc_InterBand_NRDC_BetweenFR1_FR2	
7	Inter-Band NE-DC within FR1	38.101-3, 5.5B.4a	Rel-15	pc_InterBand_NEDC_WithinFR1	

Table A.4.1-4A: SA CA UE Radio Technologies

Item	SA UE Radio Technologies	Ref.	Release	Mnemonic	Comments
1	Intra-Band Contiguous CA within FR1	38.101-1, 5.5A.1	Rel-15	pc_IntraBand_Contiguous_CA_WithinFR1	
2	Intra-Band Non-contiguous CA within FR1	38.101-1, 5.5A.2	Rel-16	pc_IntraBand_NonContiguous_CA_WithinFR1	
3	Intra-Band Contiguous CA within FR2	38.101-2, 5.5A.1	Rel-15	pc_IntraBand_Contiguous_CA_WithinFR2	
4	Intra-Band Non-contiguous CA within FR2	38.101-2, 5.5A.2	Rel-15	pc_IntraBand_NonContiguous_CA_WithinFR2	
5	Inter-Band CA within FR1	38.101-1, 5.5A.3	Rel-15	pc_InterBand_CA_WithinFR1	
6	Inter-Band CA within FR2	38.101-2, 5.5A.3	Rel-16	pc_InterBand_CA_WithinFR2	
7	Inter-band CA between FR1 PCell and FR2 SCell	38.101-3, 5.5A.1	Rel-15	pc_InterBand_CA_BetweenFR1PCell_FR2SCell	

Table A.4.1-4B: SA SUL with CA UE Radio Technologies

Item	SA UE Radio Technologies	Ref.	Release	Mnemonic	Comments
1	SUL operation with Intra-Band Non-contiguous CA within FR1	38.101-1, 5.5C	Rel-17	pc_SUL_IntraBand_NonContiguous_CA_WithinFR1	
2	SUL operation with Intra-Band Contiguous CA within FR1	38.101-1, 5.5C	Rel-16	pc_SUL_IntraBand_Contiguous_CA_WithinFR1	
3	SUL operation with Inter-Band Contiguous CA within FR1	38.101-1, 5.5C	Rel-17	pc_SUL_InterBand_CA_WithinFR1	

Table A.4.1-5: 5GS UE Core Technologies

Item	5GS UE Core Technologies	Ref.	Release	Mnemonic	Comments
1	UE Supports 5G Core Network	24.501	Rel-15	pc_5GCN	
2	UE Supports 5G Core Network over non-3GPP Access Network	24.501, 4.7	Rel-15	pc_5GCN_N3AN	
3	UE Supports only Stand-alone Non-Public Network	23.501, 5.30.2.3, 38.300, 16.6.1	Rel-16	pc_SNPN_only	UEs operating only in SNP access mode

A.4.2 UE Service Capabilities

A.4.2.1 3GPP Standardised UE Service Capabilities

A.4.2.1.1 Bearer Services

Table A.4.2.1.1-1: Definition of Bearer Services

Item	Definition of Bearer Services	Ref.	Release	Mnemonic	Comments
1	FFS				

A.4.3 Baseline Implementation Capabilities

Table A.4.3-1: Supported protocols

Item	Supported protocols	Ref.	Release	Mnemonic	Comments
1	5GS Mobility Management	24.501	Rel-15		
2	5GS Session Management	24.501	Rel-15		
3	Radio Resource Control	38.331	Rel-15		
4	Service Data Adaptation Protocol	37.324	Rel-15		
5	Packet Data Convergence Protocol	38.323	Rel-15		
6	Radio Link Control	38.322	Rel-15		
7	Medium Access Control	38.321	Rel-15		
8	Physical Layer	38.201	Rel-15		

Table A.4.3-2: Special Conformance Testing Functions

Item	Special Conformance Testing Functions	Ref.	Release	Mnemonic	Comments
1	UE test loop	38.509	Rel-15		
2	UE Power Limit Function (UPLF)	38.509, 5.11	Rel-16		

A.4.3.1 RF Baseline Implementation Capabilities

NOTE: The values indicated in column "Release" for bands are to be understood as the specifications release version in which a band was introduced and not as a mandate that a UE conforming to particular release shall support a particular band. For further guidance to release independent bands see TS 38.307 [19].

NOTE: See Annex B for status of completed NR bands and power classes in this version of 3GPP UE conformance test specifications.

Table A.4.3.1-1: NR FDD FR1 RF Baseline Implementation Capabilities

Item	NR FDD FR1 RF Baseline Implementation Capabilities	Ref.	Release	Mnemonic	Comments
1	NR Frequency band: 1920-1980 MHz (UL), 2110-2170 MHz (DL)	38.101-1, 5.2	Rel-15	pc_nrBand1_Supp	NR FDD FR1 Band n1
2	NR Frequency band: 1850-1910 MHz (UL), 1930-1990 MHz (DL)	38.101-1, 5.2	Rel-15	pc_nrBand2_Supp	NR FDD FR1 Band n2
3	NR Frequency band: 1710-1785 MHz (UL), 1805-1880 MHz (DL)	38.101-1, 5.2	Rel-15	pc_nrBand3_Supp	NR FDD FR1 Band n3
4	NR Frequency band: 824-849 MHz (UL), 869-894 MHz (DL)	38.101-1, 5.2	Rel-15	pc_nrBand5_Supp	NR FDD FR1 Band n5
5	NR Frequency band: 2500-2570 MHz (UL), 2620-2690 MHz (DL)	38.101-1, 5.2	Rel-15	pc_nrBand7_Supp	NR FDD FR1 Band n7
6	NR Frequency band: 880-915 MHz (UL), 925-960 MHz (DL)	38.101-1, 5.2	Rel-15	pc_nrBand8_Supp	NR FDD FR1 Band n8
6a to 6c	Reserved				
6d	NR Frequency band: 699-716 MHz (UL), 729-746 MHz (DL)	38.101-1, 5.2	Rel-15	pc_nrBand12_Supp	NR FDD FR1 Band n12
6e	NR Frequency band: 777-787 MHz (UL), 746-756 MHz (DL)	38.101-1, 5.2	Rel-17	pc_nrBand13_Supp	NR FDD FR1 Band n13
6f	NR Frequency band: 788-798 MHz (UL), 758-768 MHz (DL)	38.101-1, 5.2	Rel-16	pc_nrBand14_Supp	NR FDD FR1 Band n14
6g to 6i	Reserved				
6j	NR Frequency band: 815-830 MHz (UL), 860-875 MHz (DL)	38.101-1, 5.2	Rel-16	pc_nrBand18_Supp	NR FDD FR1 Band n18
6k	Reserved				
7	NR Frequency band: 832-862 MHz (UL), 791-821 MHz (DL)	38.101-1, 5.2	Rel-15	pc_nrBand20_Supp	NR FDD FR1 Band n20
7a to 7c	Reserved				
7d	NR Frequency band: 1626.5-1660.5 MHz (UL), 1525-1559 MHz (DL)	38.101-1, 5.2	Rel-17	pc_nrBand24_Supp	NR FDD FR1 Band n24
7e	NR Frequency band: 1850-1915 MHz (UL), 1930-1995 MHz (DL)	38.101-1, 5.2	Rel-15	pc_nrBand25_Supp	NR FDD FR1 Band n25
7f	NR Frequency band: 814-849 MHz (UL), 859-894 MHz (DL)	38.101-1, 5.2	Rel-16	pc_nrBand26_Supp	NR FDD FR1 Band n26
7g	Reserved				
8	NR Frequency band: 703-748 MHz (UL), 758-803 MHz (DL)	38.101-1, 5.2	Rel-15	pc_nrBand28_Supp	NR FDD FR1 Band n28
8a	Reserved				
8b	NR Frequency band: 2305-2315 MHz (UL), 2350-2360 MHz (DL)	38.101-1, 5.2	Rel-16	pc_nrBand30_Supp	NR FDD FR1 Band n30
8c	NR Frequency band: 452.5-457.5 MHz (UL), 462.5-467.5 MHz (DL)	38.101-1, 5.2	Rel-18	pc_nrBand31_Supp	NR FDD FR1 Band n31
8d	Reserved				
8e	NR Frequency band: 1920-2010 MHz (UL), 2110-2200 MHz (DL)	38.101-1, 5.2	Rel-16	pc_nrBand65_Supp	NR FDD FR1 Band n65
9	NR Frequency band: 1710-1780 MHz (UL), 2110-2200 MHz (DL)	38.101-1, 5.2	Rel-15	pc_nrBand66_Supp	NR FDD FR1 Band n66
9a to 9c	Reserved				
10	NR Frequency band: 1695-1710 MHz (UL), 1995-2020 MHz (DL)	38.101-1, 5.2	Rel-15	pc_nrBand70_Supp	NR FDD FR1 Band n70
11	NR Frequency band: 663-698 MHz (UL), 617-652 MHz (DL)	38.101-1, 5.2	Rel-15	pc_nrBand71_Supp	NR FDD FR1 Band n71
12	NR Frequency band: 451-456 MHz (UL), 461-466 MHz (DL)	38.101-1, 5.2	Rel-18	pc_nrBand72_Supp	NR FDD FR1 Band n72
13	Reserved				
14	NR Frequency band: 1427-1470 MHz (UL), 1475-1518 MHz (DL)	38.101-1, 5.2	Rel-15	pc_nrBand74_Supp	NR FDD FR1 Band n74
14a	NR Frequency band: 698-716 MHz (UL), 728-746 MHz (DL)	38.101-1, 5.2	Rel-17	pc_nrBand85_Supp	NR FDD FR1 Band n85
15	NR Frequency band: 832-862 MHz (UL), 1427-1432 MHz (DL)	38.101-1, 5.2	Rel-16	pc_nrBand91_Supp	NR FDD FR1 Band n91

16	NR Frequency band: 832-862 MHz (UL), 1432-1517 MHz (DL)	38.101-1, 5.2	Rel-16	pc_nrBand92_Supp	NR FDD FR1 Band n92
17	NR Frequency band: 880-915 MHz (UL), 1427-1432 MHz (DL)	38.101-1, 5.2	Rel-16	pc_nrBand93_Supp	NR FDD FR1 Band n93
18	NR Frequency band: 880-915 MHz (UL), 1432-1517 MHz (DL)	38.101-1, 5.2	Rel-16	pc_nrBand94_Supp	NR FDD FR1 Band n94
19	NR Frequency band: 874.4-880 MHz (UL), 919.4-925 MHz (DL)	38.101-1, 5.2	Rel-17	pc_nrBand100_Sup p	NR FDD FR1 Band n100
20 to 23	Reserved				
24	NR Frequency band: 663 MHz-703 MHz (UL), 612 MHz-652 MHz (DL)	38.101-1, 5.2	Rel-18	pc_nrBand105_Sup p	NR FDD FR1 Band n105
25	NR Frequency band: 896 MHz-901 MHz (UL), 935 MHz-940 MHz (DL)	38.101-1, 5.2	Rel-18	pc_nrBand106_Sup p	NR FDD FR1 Band n106
26	NR Frequency band: 703 MHz-733 MHz (UL), 1432 MHz-1517 MHz (DL)	38.101-1, 5.2	Rel-18	pc_nrBand109_Sup p	NR FDD FR1 Band n109

Table A.4.3.1-2: NR TDD FR1 RF Baseline Implementation Capabilities

Item	NR TDD FR1 RF Baseline Implementation Capabilities	Ref.	Release	Mnemonic	Comments
0	NR Frequency band: 2010-2025 MHz (UL / DL)	38.101-1, 5.2	Rel-15	pc_nrBand34_Supp	NR TDD FR1 Band n34
0a to 0c	Reserved				
1	NR Frequency band: 2570-2620 MHz (UL / DL)	38.101-1, 5.2	Rel-15	pc_nrBand38_Supp	NR TDD FR1 Band n38
1a	NR Frequency band: 1880-1920 MHz (UL / DL)	38.101-1, 5.2	Rel-15	pc_nrBand39_Supp	NR TDD FR1 Band n39
1b	NR Frequency band: 2300-2400 MHz (UL / DL)	38.101-1, 5.2	Rel-15	pc_nrBand40_Supp	NR TDD FR1 Band n40
2	NR Frequency band: 2496-2690 MHz (UL / DL)	38.101-1, 5.2	Rel-15	pc_nrBand41_Supp	NR TDD FR1 Band n41
2a to 2d	Reserved				
2e	NR Frequency band: 5150-5925 MHz (UL / DL)	38.101-1, 5.2	Rel-16	pc_nrBand46_Supp	NR TDD FR1 Band n46
2f	Reserved				
2g	NR Frequency band: 3550-3700 MHz (UL / DL)	38.101-1, 5.2	Rel-16	pc_nrBand48_Supp	NR TDD FR1 Band n48
2h	Reserved				
2i	NR Frequency band: 1432-1517 MHz (UL / DL)	38.101-1, 5.2	Rel-15	pc_nrBand50_Supp	NR TDD FR1 Band n50
2j	NR Frequency band: 1427-1432 MHz (UL / DL)	38.101-1, 5.2	Rel-15	pc_nrBand51_Supp	NR TDD FR1 Band n51
2k	Reserved				
2l	NR Frequency band: 2483.5-2495 MHz (UL / DL)	38.101-1, 5.2	Rel-16	pc_nrBand53_Supp	NR TDD FR1 Band n53
2m	NR Frequency band: 1670-1675 MHz (UL / DL)	38.101-1, 5.2	Rel-18	pc_nrBand54_Supp	NR TDD FR1 Band n54
3	NR Frequency band: 3300–4200 MHz (UL / DL)	38.101-1, 5.2	Rel-15	pc_nrBand77_Supp	NR TDD FR1 Band n77
4	NR Frequency band: 3300–3800 MHz (UL / DL)	38.101-1, 5.2	Rel-15	pc_nrBand78_Supp	NR TDD FR1 Band n78
5	NR Frequency band: 4400–5000 MHz (UL / DL)	38.101-1, 5.2	Rel-15	pc_nrBand79_Supp	NR TDD FR1 Band n79
6	Void				
7-11	Reserved				
12	NR Frequency band: 5925–7125 MHz (UL / DL)	38.101-1, 5.2	Rel-16	pc_nrBand96_Supp	NR TDD FR1 Band n96
13	NR Frequency band: 1900–1910 MHz (UL / DL)	38.101-1, 5.2	Rel-17	pc_nrBand101_Supp	NR TDD FR1 Band n101
14	NR Frequency band: 5925 MHz – 6425 MHz	38.101-1, 5.2	Rel-16	pc_nrBand102_Supp	NR TDD FR1 Band n102
15	NR Frequency band: 6425 MHz – 7125 MHz	38.101-1, 5.2	Rel-17	pc_nrBand104_Supp	NR TDD FR1 Band n104

Table A.4.3.1-3: NR TDD FR2 RF Baseline Implementation Capabilities

Item	NR TDD FR2 RF Baseline Implementation Capabilities	Ref.	Release	Mnemonic	Comments
1	NR Frequency band: 26500-29500 MHz (UL / DL)	38.101-2, 5.2	Rel-15	pc_nrBand257_Supp	NR TDD FR2 Band n257
2	NR Frequency band: 24250-27500 MHz (UL / DL)	38.101-2, 5.2	Rel-15	pc_nrBand258_Supp	NR TDD FR2 Band n258
2a	NR Frequency band: 39500-43500 MHz (UL / DL)	38.101-2, 5.2	Rel-16	pc_nrBand259_Supp	NR TDD FR2 Band n259
3	NR Frequency band: 37000–40000 MHz (UL / DL)	38.101-2, 5.2	Rel-15	pc_nrBand260_Supp	NR TDD FR2 Band n260
4	NR Frequency band: 27500–28350 MHz (UL / DL)	38.101-2, 5.2	Rel-15	pc_nrBand261_Supp	NR TDD FR2 Band n261

Table A.4.3.1-4: NR FR1 PC2 RF Baseline Implementation Capabilities

Item	NR FR1 PC2 RF Baseline Implementation Capabilities	Ref.	Release	Mnemonic	Comments
0	NR Frequency band: 2300-2400 MHz (UL / DL)	38.101-1, 6.2.1	Rel-16	pc_nrBand40_PC2_Supp	NR FR1 PC2 Band n40
1	NR Frequency band: 2496-2690 MHz (UL / DL)	38.101-1, 6.2.1	Rel-15	pc_nrBand41_PC2_Supp	NR FR1 PC2 Band n41
2	NR Frequency band: 3300-4200 MHz (UL / DL)	38.101-1, 6.2.1	Rel-15	pc_nrBand77_PC2_Supp	NR FR1 PC2 Band n77
3	NR Frequency band: 3300–3800 MHz (UL / DL)	38.101-1, 6.2.1	Rel-15	pc_nrBand78_PC2_Supp	NR FR1 PC2 Band n78
4	NR Frequency band: 4400–5000 MHz (UL / DL)	38.101-1, 6.2.1	Rel-15	pc_nrBand79_PC2_Supp	NR FR1 PC2 Band n79
5	NR Frequency band: 2010–2025 MHz	38.101-1, 6.2.1	Rel-16	pc_nrBand34_PC2_Supp	NR FR1 PC2 Band n34
6	NR Frequency band: 1880–1920 MHz	38.101-1, 6.2.1	Rel-16	pc_nrBand39_PC2_Supp	NR FR1 PC2 Band n39
7	NR Frequency band: 1920-1980 MHz (UL), 2110-2170 MHz (DL)	38.101-1, 6.2.1	Rel-17	pc_nrBand1_PC2_Supp	NR FR1 PC2 Band n1
8	NR Frequency band: 1710-1785 MHz (UL), 1805-1880 MHz (DL)	38.101-1, 6.2.1	Rel-17	pc_nrBand3_PC2_Supp	NR FR1 PC2 Band n3
9	NR Frequency band: 880-915 MHz (UL), 925-960 MHz (DL)	38.101-1, 6.2.1	Rel-18	pc_nrBand8_PC2_Supp	NR FR1 PC2 Band n8
10	NR Frequency band: 788-798 MHz (UL), 758-768 MHz (DL)	38.101-1, 6.2.1	Rel-18	pc_nrBand14_PC2_Supp	NR FR1 PC2 Band n14
11	NR Frequency band: 2500-2570 MHz (UL), 2620-2690 MHz (DL)	38.101-1, 6.2.1	Rel-18	pc_nrBand7_PC2_Supp	NR FR1 PC2 Band n7
12	NR Frequency band: 1880–1920 MHz (UL)	38.101-1, 6.2.1	Rel-17	pc_nrBand98_PC2_Supp	NR FR1 PC2 Band n98
13	NR Frequency band: 6425–7125 MHz (UL / DL)	38.101-1, 6.2.1	Rel-17	pc_nrBand104_PC2_Supp	NR FR1 PC2 Band n104
14	NR Frequency band: 1850-1910 MHz (UL), 1930-1990 MHz (DL)	38.101-1, 6.2.1	Rel-18	pc_nrBand2_PC2_Supp	NR FR1 PC2 Band n2
15	NR Frequency band: 1710-1780 MHz (UL), 2110-2200 MHz (DL)	38.101-1, 6.2.1	Rel-18	pc_nrBand66_PC2_Supp	NR FR1 PC2 Band n66
16	NR Frequency band: 1695-1710 MHz (UL), 1995-2020 MHz (DL)	38.101-1, 6.2.1	Rel-18	pc_nrBand70_PC2_Supp	NR FR1 PC2 Band n70
17	NR Frequency band: 663-698 MHz (UL), 617-652 MHz (DL)	38.101-1, 6.2.1	Rel-18	pc_nrBand71_PC2_Supp	NR FR1 PC2 Band n71

Table A.4.3.1-4a: NR FR2 PC2 RF Baseline Implementation Capabilities

Item	NR FR2 PC2 RF Baseline Implementation Capabilities	Ref.	Release	Mnemonic	Comments
1	NR Frequency band: 26500-29500 MHz (UL / DL)	38.101-2, 6.2.1	Rel-15	pc_nrBand257_PC2_Sup p	NR FR2 PC2 Band n257
2	NR Frequency band: 24250-27500 MHz (UL / DL)	38.101-2, 6.2.1	Rel-15	pc_nrBand258_PC2_Sup p	NR FR2 PC2 Band n258
3	NR Frequency band: 27500–28350 MHz (UL / DL)	38.101-2, 6.2.1	Rel-15	pc_nrBand261_PC2_Sup p	NR FR2 PC2 Band n261

Table A.4.3.1-4b: NR FR1 PC1 RF Baseline Implementation Capabilities

Item	NR FR1 PC1 RF Baseline Implementation Capabilities	Ref.	Release	Mnemonic	Comments
1	NR Frequency band: 788-798 MHz (UL), 758-768 MHz (DL)	38.101-1, 6.2.1	Rel-16	pc_nrBand14_PC1_Sup	NR FR1 PC1 Band n14
2	NR Frequency band: 874.4-880 MHz (UL), 919.4-925 MHz (DL)	38.101-1, 6.2.1	Rel-18	pc_nrBand100_PC1_Sup p	NR FR1 PC1 Band n100
3	NR Frequency band: 1900–1910 MHz (UL / DL)	38.101-1, 6.2.1	Rel-18	pc_nrBand101_PC1_Sup p	NR FR1 PC1 Band n101
4	NR Frequency band: 2500-2570 MHz (UL), 2620-2690 MHz (DL)	38.101-1, 6.2.1	Rel-18	pc_nrBand7_PC1_Sup	NR FR1 PC1 Band n7
5	FFS				
6	NR Frequency band: 3300–3800 MHz (UL / DL)	38.101-1, 6.2.1	Rel-18	pc_nrBand78_PC1_Sup	NR FR1 PC1 Band n78
7	NR Frequency band: 2496–2690 MHz (UL / DL)	38.101-1, 6.2.1	Rel-18	pc_nrBand41_PC1_Sup	NR FR1 PC1 Band n41
8	NR Frequency band: 1850–1915 MHz (UL), 1930–1995 (DL)	38.101-1, 6.2.1	Rel-18	pc_nrBand25_PC1_Sup	NR FR1 PC1 Band n25
9	NR Frequency band: 2300–2400 MHz (UL / DL)	38.101-1, 6.2.1	Rel-18	pc_nrBand40_PC1_Sup	NR FR1 PC1 Band n40
10	NR Frequency band: 1710–1780 MHz (UL), 2110–2200 (DL)	38.101-1, 6.2.1	Rel-18	pc_nrBand66_PC1_Sup	NR FR1 PC1 Band n66
11	NR Frequency band: 663–698 MHz (UL), 617–652 (DL)	38.101-1, 6.2.1	Rel-18	pc_nrBand71_PC1_Sup	NR FR1 PC1 Band n71
12	NR Frequency band: 3300–4200 MHz (UL / DL)	38.101-1, 6.2.1	Rel-18	pc_nrBand77_PC1_Sup	NR FR1 PC1 Band n77
13	NR Frequency band: 698–716 MHz (UL), 728–746 (DL)	38.101-1, 6.2.1	Rel-18	pc_nrBand85_PC1_Sup	NR FR1 PC1 Band n85

Table A.4.3.1-4c: NR FR2 PC1 RF Baseline Implementation Capabilities

Item	NR FR2 PC1 RF Baseline Implementation Capabilities	Ref.	Release	Mnemonic	Comments
1	NR Frequency band: 26500-29500 MHz (UL / DL)	38.101-2, 6.2.1	Rel-15	pc_nrBand257_PC1_Sup p	NR FR2 PC1 Band n257
2	NR Frequency band: 24250-27500 MHz (UL / DL)	38.101-2, 6.2.1	Rel-15	pc_nrBand258_PC1_Sup p	NR FR2 PC1 Band n258
3	NR Frequency band: 37000-40000 MHz (UL / DL)	38.101-2, 6.2.1	Rel-15	pc_nrBand260_PC1_Sup p	NR FR2 PC1 Band n260
4	NR Frequency band: 27500–28350 MHz (UL / DL)	38.101-2, 6.2.1	Rel-15	pc_nrBand261_PC1_Sup p	NR FR2 PC1 Band n261

Table A.4.3.1-4d: NR FR2 PC4 RF Baseline Implementation Capabilities

Item	NR FR2 PC4 RF Baseline Implementation Capabilities	Ref.	Release	Mnemonic	Comments
1	NR Frequency band: 26500-29500 MHz (UL / DL)	38.101-2, 6.2.1	Rel-15	pc_nrBand257_PC4_Sup p	NR FR2 PC4 Band n257
2	NR Frequency band: 24250-27500 MHz (UL / DL)	38.101-2, 6.2.1	Rel-15	pc_nrBand258_PC4_Sup p	NR FR2 PC4 Band n258
3	NR Frequency band: 37000-40000 MHz (UL / DL)	38.101-2, 6.2.1	Rel-15	pc_nrBand260_PC4_Sup p	NR FR2 PC4 Band n260
4	NR Frequency band: 27500–28350 MHz (UL / DL)	38.101-2, 6.2.1	Rel-15	pc_nrBand261_PC4_Sup p	NR FR2 PC4 Band n261

Table A.4.3.1-4e: NR FR1 PC1.5 RF Baseline Implementation Capabilities

Item	NR FR1 PC1.5 RF Baseline Implementation Capabilities	Ref.	Release	Mnemonic	Comments
1	NR Frequency band: 3300-4200 MHz	38.101-1, 6.2.1	Rel-15	pc_nrBand77_PC1.5_Sup p	NR FR1 PC1.5 Band n77
2	NR Frequency band: 3300–3800 MHz	38.101-1, 6.2.1	Rel-15	pc_nrBand78_PC1.5_Sup p	NR FR1 PC1.5 Band n78
3	NR Frequency band: 4400-5000 MHz	38.101-1, 6.2.1	Rel-15	pc_nrBand79_PC1.5_Sup p	NR FR1 PC1.5 Band n79
4	NR Frequency band: 2496-2690 MHz	38.101-1, 6.2.1	Rel-15	pc_nrBand41_PC1.5_Sup p	NR FR1 PC1.5 Band n41
5	NR Frequency band: 2010-2025 MHz	38.101-1, 6.2.1	Rel-15	pc_nrBand34_PC1.5_Sup p	NR FR1 PC1.5 Band n34
6	NR Frequency band: 2300-2400 MHz	38.101-1, 6.2.1	Rel-15	pc_nrBand40_PC1.5_Sup p	NR FR1 PC1.5 Band n40
7	NR Frequency band: 1880-1920 MHz	38.101-1, 6.2.1	Rel-15	pc_nrBand39_PC1.5_Sup p	NR FR1 PC1.5 Band n39

Table A.4.3.1-4f: NR FR1 maxNumberSRS-Ports-PerResource RF Baseline Implementation Capabilities (Rel-15)

Item	NR Band	UE Physical Layer Baseline Implementation Capabilities	Ref.	Release	Mnemonic	Parameter Type	Supported Value	Supported UE capability
1	n41	NR_n41 maxNumberSRS-Ports-PerResource	38.306, 4.2.7.7	Rel-15	pc_nrBand41_maxNumberSRS-Ports-PerResource_r15	enumerated	n1, n2, n4	

Table A.4.3.1-4g: NR FR1 maxUplinkDutyCycle-PC2-FR1 RF Baseline Implementation Capabilities

Item	NR Band	UE Physical Layer Baseline Implementation Capabilities	Ref.	Release	Mnemonic Parameter Name	Parameter Type	Supported Value	Supported UE capability (NOTE 1)
1	n41	NR_n41 maxUplinkDutyCycle-PC2-FR1	38.306, 4.2.7.2	Rel-15	pc_nrBand41_maxUplinkDutyCycle_PC2_FR1	enumerated	n60, n70, n80, n90, n100	
2	n79	NR_n79 maxUplinkDutyCycle-PC2-FR1	38.306, 4.2.7.2	Rel-15	pc_nrBand79_maxUplinkDutyCycle_PC2_FR1	enumerated	n60, n70, n80, n90, n100	

NOTE 1: The UE supplier shall indicate the supported maxUplinkDutyCycle-PC2-FR1 as per *RF-Parameters* in TS 38.331 Section 6.3.3 UE capability information elements and choose the supported value.

Table A.4.3.1-4h: NR FR1 maxUplinkDutyCycle-PC1dot5-MPE-FR1-r16 RF Baseline Implementation Capabilities

Item	NR Band	UE Physical Layer Baseline Implementation Capabilities	Ref.	Release	Mnemonic Parameter Name	Parameter Type	Supported Value	Supported UE capability (NOTE 1)
1	n41	NR_n41 maxUplinkDutyCycle-PC1dot5-MPE-FR1-r16	38.306, 4.2.7.2	Rel-16	pc_nrBand41_maxUplinkDutyCycle_PC1dot5_MPE_FR1_r16	enumerated	n10, n15, n20, n25, n30, n40, n50, n60, n70, n80, n90, n100	
2	n79	NR_n79 maxUplinkDutyCycle-PC1dot5-MPE-FR1-r16	38.306, 4.2.7.2	Rel-16	pc_nrBand79_maxUplinkDutyCycle_PC1dot5_MPE_FR1_r16	enumerated	n10, n15, n20, n25, n30, n40, n50, n60, n70, n80, n90, n100	

NOTE 1: The UE supplier shall indicate the supported maxUplinkDutyCycle-PC1dot5-MPE-FR1-r16 as per *RF-Parameters* in TS 38.331 Section 6.3.3 UE capability information elements and choose the supported value.

Table A.4.3.1-4i: NR FR2 PC6 RF Baseline Implementation Capabilities

Item	NR FR2 PC4 RF Baseline Implementation Capabilities	Ref.	Release	Mnemonic	Comments
1	NR Frequency band: 26500-29500 MHz (UL / DL)	38.101-2, 6.2.1	Rel-17	pc_nrBand257_PC6_Sup_p	NR FR2 PC6 Band n257
2	NR Frequency band: 24250-27500 MHz (UL / DL)	38.101-2, 6.2.1	Rel-17	pc_nrBand258_PC6_Sup_p	NR FR2 PC6 Band n258
3	NR Frequency band: 27500–28350 MHz (UL / DL)	38.101-2, 6.2.1	Rel-17	pc_nrBand261_PC6_Sup_p	NR FR2 PC6 Band n261

Table A.4.3.1-5: NR SUL FR1 RF Baseline Implementation Capabilities

Item	NR SUL FR1 RF Baseline Implementation Capabilities	Ref.	Release	Mnemonic	Comments
1	NR Frequency band: 1710-1785 MHz (UL)	38.101-1, 5.2	Rel-15	pc_nrBand80_Supp	NR SUL FR1 Band n80
2	NR Frequency band: 880-915 MHz (UL)	38.101-1, 5.2	Rel-15	pc_nrBand81_Supp	NR SUL FR1 Band n81
3	NR Frequency band: 832-862 MHz (UL)	38.101-1, 5.2	Rel-15	pc_nrBand82_Supp	NR SUL FR1 Band n82
4	NR Frequency band: 703-748 MHz (UL)	38.101-1, 5.2	Rel-15	pc_nrBand83_Supp	NR SUL FR1 Band n83
5	NR Frequency band: 1920-1980 MHz (UL)	38.101-1, 5.2	Rel-15	pc_nrBand84_Supp	NR SUL FR1 Band n84
6	NR Frequency band: 1710-1780 MHz (UL)	38.101-1, 5.2	Rel-15	pc_nrBand86_Supp	NR SUL FR1 Band n86
6a to 6b	Reserved				
6c	Reserved				
7	NR Frequency band: 2010-2025 MHz (UL)	38.101-1, 5.2	Rel-16	pc_nrBand95_Supp	NR SUL FR1 Band n95
8	NR Frequency band: 2300 MHz – 2400 MHz (UL)	38.101-1, 5.2	Rel-17	pc_nrBand97_Supp	NR SUL FR1 Band n97
8a	NR Frequency band: 1880 MHz – 1920 MHz (UL)	38.101-1, 5.2	Rel-17	pc_nrBand98_Supp	NR SUL FR1 Band n98
9	NR Frequency band: 1626.5-1660.5 MHz (UL)	38.101-1, 5.2	Rel-17	pc_nrBand99_Supp	NR SUL FR1 Band n99

Table A.4.3.1-6: NR SDL FR1 RF Baseline Implementation Capabilities

Item	NR SDL FR1 RF Baseline Implementation Capabilities	Ref.	Release	Mnemonic	Comments
0	NR Frequency band: 717-728 MHz (DL)	38.101-1, 5.2	Rel-16	pc_nrBand29_Supp	NR SDL FR1 Band n29
1	NR Frequency band: 1432-1517 MHz (DL)	38.101-1, 5.2	Rel-15	pc_nrBand75_Supp	NR SDL FR1 Band n75
2	NR Frequency band: 1427-1432 MHz (DL)	38.101-1, 5.2	Rel-15	pc_nrBand76_Supp	NR SDL FR1 Band n76

Table A.4.3.1-7: UE Power Class implementation Capabilities (for one or more of the supported UE Power Class Implemented Capabilities in Table A.4.3.1-4, Table A.4.3.1-4a, Table A.4.3.1-4b, Table A.4.3.1-4c, Table A.4.3.1-4d and Table A.4.3.1-4e)

Item	UE Power Class implementation Capabilities	Ref.	Release	Mnemonic	Comments
1	UE Power Class 1 in FR1	38.101-1, 6.2.1	Rel-16	pc_FR1_PC1	Applicable to the bands in Table A.4.3.1-4b
1a	UE Power Class 1 in FR2	38.101-2, 6.2.1	Rel-15	pc_FR2_PC1	Applicable to the bands in Table A.4.3.1-4c
2	UE Power Class 2 in FR1	38.101-1, 6.2.1	Rel-15	pc_FR1_PC2	Applicable to the bands in Table A.4.3.1-4
2a	UE Power Class 2 in FR2	38.101-2, 6.2.1	Rel-15	pc_FR2_PC2	Applicable to the bands in Table A.4.3.1-4a
3	UE Power Class 3 in FR1	38.101-1, 6.2.1	Rel-15	pc_FR1_PC3	All applicable FR1 NR bands
3a	UE Power Class 3 in FR2	38.101-2, 6.2.1	Rel-15	pc_FR2_PC3	All applicable FR2 NR bands
4	UE Power Class 4 in FR2	38.101-2, 6.2.1	Rel-15	pc_FR2_PC4	Applicable to the bands in Table A.4.3.1-4d
5	UE Power Class 1.5 in FR1	38.101-1, 6.2.1	Rel-15	pc_FR1_PC1.5	Applicable to the bands in Table A.4.3.1-4e
6	UE Power Class 6 in FR2	38.101-2, 6.2.1	Rel-17	pc_FR2_PC6	Applicable to the bands in Table A.4.3.1-4i

Table A.4.3.1-7a: NR FR1 Rx implementation Capabilities

Item	UE 2Rx/4Rx/8Rx implementation Capabilities	Ref.	Release	Mnemonic	Comments
1	UE 2Rx in FR1	38.101-1, 7.3	Rel-15	pc_FR1_2Rx	If the capability is supported then the Band(s) for which it is supported shall be indicated in Table A.4.3.9-4c
2	UE FDD 4Rx in FR1	38.101-1, 7.3	Rel-15	pc_FR1_FDD_4 Rx	If the capability is supported then the Band(s) for which it is supported shall be indicated in Table A.4.3.9-4a
3	UE TDD 4Rx in FR1	38.101-1, 7.3	Rel-15	pc_FR1_TDD_4 Rx	If the capability is supported then the Band(s) for which it is supported shall be indicated in Table A.4.3.9-4b
4	UE only supports 1Rx in FR1	38.101-1, 7.3l	Rel-17	pc_FR1_1Rx	If the capability is supported then the Band(s) for which it is supported shall be indicated in Table A.4.3.9-4e
5	UE supporting 8Rx in FR1	38.101-1, 7.3	Rel-17	pc_FR1_8Rx	If the capability is supported then the Band(s) for which it is supported shall be indicated in Table A.4.3.9-4f

Table A.4.3.1-8: Void

Table A.4.3.1-9: NR Sidelink FR1 RF Baseline Implementation Capabilities

Item	NR Sidelink FR1 RF Baseline Implementation Capabilities	Ref.	Release	Mnemonic	Comments
1	Void				
2	NR Frequency band: 5855-5925 MHz (Transmission), 5855-5925 MHz (Reception)	38.101-1, 5.2E	Rel-16	pc_nrBand47_NRS_L_Supp	NR Sidelink FR1 Band n47

Table A.4.3.1-10: NR FR2 PC7 RF Baseline Implementation Capabilities

Item	NR FR2 PC7 RF Baseline Implementation Capabilities	Ref.	Release	Mnemonic	Comments
1	NR Frequency band: 26500-29500 MHz (UL / DL)	38.101-2, 6.2.1	Rel-17	pc_nrBand257_PC7_Supp	NR FR2 PC7 Band n257
2	NR Frequency band: 24250-27500 MHz (UL / DL)	38.101-2, 6.2.1	Rel-17	pc_nrBand258_PC7_Supp	NR FR2 PC7 Band n258
3	NR Frequency band: 27500–28350 MHz (UL / DL)	38.101-2, 6.2.1	Rel-17	pc_nrBand261_PC7_Supp	NR FR2 PC7 Band n261

Table A.4.3.1-11: FR1-NTN RF Baseline Implementation Capabilities (NTN satellite bands in FR1-NTN)

Item	FR1-NTN RF Baseline Implementation Capabilities	Ref.	Release	Mnemonic	Comments
1	FR1-NTN Frequency band: 1980–2010 MHz (Transmission), 2170–2200 MHz (Reception)	38.101-5, 5.2.2	Rel-17	pc_nrBand256_Supp	FR1-NTN Band n256
2	FR1-NTN Frequency band: 1626.5–1660.5 MHz (Transmission), 1525–1559 MHz (Reception)	38.101-5, 5.2.2	Rel-17	pc_nrBand255_Supp	FR1-NTN Band n255
3	FR1-NTN Frequency band: 1610–1626.5 MHz (Transmission), 2483.5–2500 MHz (Reception)	38.101-5, 5.2.2	Rel-18	pc_nrBand254_Supp	FR1-NTN Band n254

Table A.4.3.1-12: NR HD-FDD RedCap UE FR1 RF Baseline Implementation Capabilities

Item	NR FDD FR1 RF Baseline Implementation Capabilities	Ref.	Release	Mnemonic	Comments
1	NR Frequency band: 1920-1980 MHz (UL), 2110-2170 MHz (DL)	38.101-1, 7.3I.2	Rel-17	pc_nrBand1_HD_FDD_Supp	NR HD-FDD RedCap UE FR1 Band n1
2	NR Frequency band: 1850-1910 MHz (UL), 1930-1990 MHz (DL)	38.101-1, 7.3I.2	Rel-17	pc_nrBand2_HD_FDD_Supp	NR HD-FDD RedCap UE FR1 Band n2
3	NR Frequency band: 1710-1785 MHz (UL), 1805-1880 MHz (DL)	38.101-1, 7.3I.2	Rel-17	pc_nrBand3_HD_FDD_Supp	NR HD-FDD RedCap UE FR1 Band n3
4	NR Frequency band: 824-849 MHz (UL), 869-894 MHz (DL)	38.101-1, 7.3I.2	Rel-17	pc_nrBand5_HD_FDD_Supp	NR HD-FDD RedCap UE FR1 Band n5
5	NR Frequency band: 2500-2570 MHz (UL), 2620-2690 MHz (DL)	38.101-1, 7.3I.2	Rel-17	pc_nrBand7_HD_FDD_Supp	NR HD-FDD RedCap UE FR1 Band n7
6	NR Frequency band: 880-915 MHz (UL), 925-960 MHz (DL)	38.101-1, 7.3I.2	Rel-17	pc_nrBand8_HD_FDD_Supp	NR HD-FDD RedCap UE FR1 Band n8
7 to 11	Reserved				
12	NR Frequency band: 699-716 MHz (UL), 729-746 MHz (DL)	38.101-1, 7.3I.2	Rel-17	pc_nrBand12_HD_FDD_Supp	NR HD-FDD RedCap UE FR1 Band n12
13	NR Frequency band: 777-787 MHz (UL), 746-756 MHz (DL)	38.101-1, 7.3I.2	Rel-17	pc_nrBand13_HD_FDD_Supp	NR HD-FDD RedCap UE FR1 Band n13
14	NR Frequency band: 788-798 MHz (UL), 758-768 MHz (DL)	38.101-1, 7.3I.2	Rel-17	pc_nrBand14_HD_FDD_Supp	NR HD-FDD RedCap UE FR1 Band n14
15 to 17	Reserved				
18	NR Frequency band: 815-830 MHz (UL), 860-875 MHz (DL)	38.101-1, 7.3I.2	Rel-17	pc_nrBand18_HD_FDD_Supp	NR HD-FDD RedCap UE FR1 Band n18
19	Reserved				
20	NR Frequency band: 832-862 MHz (UL), 791-821 MHz (DL)	38.101-1, 7.3I.2	Rel-17	pc_nrBand20_HD_FDD_Supp	NR HD-FDD RedCap UE FR1 Band n20
21 to 23	Reserved				
24	NR Frequency band: 1626.5-1660.5 MHz (UL), 1525-1559 MHz (DL)	38.101-1, 7.3I.2	Rel-17	pc_nrBand24_HD_FDD_Supp	NR HD-FDD RedCap UE FR1 Band n24
25	NR Frequency band: 1850-1915 MHz (UL), 1930- 1995 MHz (DL)	38.101-1, 7.3I.2	Rel-17	pc_nrBand25_HD_FDD_Supp	NR HD-FDD RedCap UE FR1 Band n25
26	NR Frequency band: 814-849 MHz (UL), 859-894 MHz (DL)	38.101-1, 7.3I.2	Rel-17	pc_nrBand26_HD_FDD_Supp	NR HD-FDD RedCap UE FR1 Band n26
27	Reserved		Rel-17		
28	NR Frequency band: 703-748 MHz (UL), 758-803 MHz (DL)	38.101-1, 7.3I.2	Rel-17	pc_nrBand28_HD_FDD_Supp	NR HD-FDD RedCap UE FR1 Band n28
29	Reserved		Rel-17		
30	NR Frequency band: 2305-2315 MHz (UL), 2350-2360 MHz (DL)	38.101-1, 7.3I.2	Rel-17	pc_nrBand30_HD_FDD_Supp	NR HD-FDD RedCap UE FR1 Band n30
31-64	Reserved				
65	NR Frequency band: 1920-2010 MHz (UL), 2110-2200 MHz (DL)	38.101-1, 7.3I.2	Rel-17	pc_nrBand65_HD_FDD_Supp	NR HD-FDD RedCap UE FR1 Band n65
66	NR Frequency band: 1710-1780 MHz (UL), 2110-2200 MHz (DL)	38.101-1, 7.3I.2	Rel-17	pc_nrBand66_HD_FDD_Supp	NR HD-FDD RedCap UE FR1 Band n66

67 to 69	Reserved				
70	NR Frequency band: 1695-1710 MHz (UL), 1995-2020 MHz (DL)	38.101-1, 7.31.2	Rel-17	pc_nrBand70_HD_FDD_Supp	NR HD-FDD RedCap UE FR1 Band n70
71	NR Frequency band: 663-698 MHz (UL), 617-652 MHz (DL)	38.101-1, 7.31.2	Rel-17	pc_nrBand71_HD_FDD_Supp	NR HD-FDD RedCap UE FR1 Band n71
72	Reserved				
73	Reserved				
74	NR Frequency band: 1427-1470 MHz (UL), 1475-1518 MHz (DL)	38.101-1, 7.31.2	Rel-17	pc_nrBand74_HD_FDD_Supp	NR HD-FDD RedCap UE FR1 Band n74
75 to 84	Reserved				
85	NR Frequency band: 698-716 MHz (UL), 728-746 MHz (DL)	38.101-1, 7.31.2	Rel-17	pc_nrBand85_HD_FDD_Supp	NR HD-FDD RedCap UE FR1 Band n85
86 to 90	Reserved				
91	NR Frequency band: 832-862 MHz (UL), 1427-1432 MHz (DL)	38.101-1, 7.31.2	Rel-17	pc_nrBand91_HD_FDD_Supp	NR HD-FDD RedCap UE FR1 Band n91
92	NR Frequency band: 832-862 MHz (UL), 1432-1517 MHz (DL)	38.101-1, 7.31.2	Rel-17	pc_nrBand92_HD_FDD_Supp	NR HD-FDD RedCap UE FR1 Band n92
93	NR Frequency band: 880-915 MHz (UL), 1427-1432 MHz (DL)	38.101-1, 7.31.2	Rel-17	pc_nrBand93_HD_FDD_Supp	NR HD-FDD RedCap UE FR1 Band n93
94	NR Frequency band: 880-915 MHz (UL), 1432-1517 MHz (DL)	38.101-1, 7.31.2	Rel-17	pc_nrBand94_HD_FDD_Supp	NR HD-FDD RedCap UE FR1 Band n94
95 to 104	Reserved				
105	NR Frequency band: 663 MHz-703 MHz (UL), 612 MHz-652 MHz (DL)	38.101-1, 7.31.2	Rel-18	pc_nrBand105_HD_FDD_Supp	NR HD-FDD RedCap UE FR1 Band n105

A.4.3.2 Physical Layer Baseline Implementation Capabilities

Table A.4.3.2-1: UE Physical Layer Baseline Implementation Capabilities

Item	UE Physical Layer Baseline Implementation Capabilities	Ref.	Release	Mnemonic	M	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Comments
1	Support PDSCH reception based on semi-persistent scheduling	38.306, 4.2.7.10	Rel-15	pc_downlinkSPS	No		
2	Support 256QAM for PDSCH for FR1	38.306, 4.2.7.10	Rel-15	pc_pdsch_256QAM_FR1	CY		Mandatory for non-(e)RedCap UEs and optional for (e)RedCap UEs.
3	Support 256QAM for PDSCH for at least one NR FR2 band	38.306, 4.2.7.2	Rel-15	pc_pdsch_256QAM_FR2	No		
4	Support 256QAM for PUSCH for at least one NR FR1 band	38.306, 4.2.7.2	Rel-15	pc_pusch_256QAM_FR1	No		
4a	Support 256QAM for PUSCH for at least one NR FR2 band	38.306, 4.2.7.2	Rel-15	pc_pusch_256QAM_FR2	No		
5	Support receiving PDSCH using PDSCH mapping type A with less than seven symbols	38.306, 4.2.7.10	Rel-15	N/A	Yes	Yes	pdsch-MappingTypeA is purely mandatory
6	Support receiving PDSCH using PDSCH mapping type B	38.306, 4.2.7.10	Rel-15	pc_pdsch_MappingTypeB	Yes		
7	Support resource allocation Type 0 for PUSCH	38.306, 4.2.7.10	Rel-15	pc_ra_Type0_PUSCH	No		
8	Support scaling factor 0.75 is applied to the band in the max data rate calculation	38.306, 4.2.7	Rel-15	pc_scalingFactor0dot75			
9	Support reconfiguration with sync using a contention free random access on PRACH resources that are associated with CSI-RS resources of the target cell	38.306, 4.2.7.10	Rel-15	pc_csi_RS_CFRA_ForHO	No		
10	Support Type 1 PUSCH transmissions with configured grant	38.306, 4.2.7.10	Rel-15	pc_configuredUL_GrantType1	No		
11	Support Type 2 PUSCH transmissions with configured grant	38.306, 4.2.7.10	Rel-15	pc_configuredUL_GrantType2	No		
12	Support PDSCH Reception when configured with higher layer parameter aggregationFactorDL > 1	38.306, 4.2.7.10	Rel-15	pc_pdsch_RepetitionMultiSlots	No		
13	Supports supplemental uplink with dynamic switch (DCI based selection of PUSCH carrier)	38.306, 4.2.7.7	Rel-15	pc_dynamicSwitch_SUL	No		
14	Supports MIMO layers at the UE for PUSCH transmission with codebook precoding. UE indicating support of this feature shall also indicate support of PUSCH codebook coherency subset	38.306, 4.2.7.8	Rel-15	pc_nrMIMO_CB_PUSCH	No		Set to true if maxNumberMIMO-LayersCB-PUSCH has value different from "oneLayer"

14A	The supported maximum number of MIMO layers at the UE for PUSCH transmission with codebook precoding is four layers. UE indicating support of this feature shall also indicate support of PUSCH codebook coherency subset	38.306, 4.2.7.8	Rel-15	pc_maxNumberMIMO_LayersCB_PUSCH_fourlayer	No		Set to true if maxNumberMIMO-LayersCB-PUSCH Is Four Layers.
15	Void						
16	Support receiving PDSCH with interleaved VRB-to-PRB mapping	38.306, 4.2.7.10	Rel-15	pc_interleavingVRB_ToPRB_PDSCH	Yes		
17	Support dynamic EN-DC power sharing for at least one EN-DC band combination_FR1 only	38.306, 4.2.7.9	Rel-15	pc_dynamicPowerSharingEN-DC	Yes		If the UE supports this capability it will dynamically share the power between NR and LTE if $P_{LTE} + P_{NR} > P_{max}$.
18	Supports up to 10 search spaces in a SCell per BWP	38.306, 4.2.7.10	Rel-15	pc_maxNumberSearchSpaces	No		
19	Supports spatial bundling of HARQ-ACK bits carried on PUCCH or PUSCH per PUCCH group. With spatial bundling, two HARQ-ACK bits for a DL MIMO data is bundled into a single bit by logical "AND" operation	38.306, 4.2.7.10	Rel-15	pc_spatialBundlingHARQ_ACK	Yes		
20	Support alternative additional DMRS position for co-existence with LTE CRS	38.306, 4.2.7.5	Rel-15	pc_additionalDMRS_DL_Alt	No		
21	Supports transmitting PUSCH scheduled by DCI format 0_0 or 0_1 when configured with higher layer parameter aggregationFactorIUL > 1	38.306, 4.2.7.10	Rel-15	pc_pusch_RepetitionMultiSlots	Yes		
22	Support beam correspondence without UL beam sweeping	38.306, 4.2.7.2	Rel-15	pc_beamCorrespondenceWithoutUL_BeamSweeping	Yes		A UE that can fulfil the requirements without UL beam sweeping then set the bit to 1. A UE that can fulfil the requirements with UL beam sweeping then set the bit to 0.
22A	Support beam correspondence based on SSB	38.306, 4.2.7.2	Rel-16	pc_beamCorrespondence_SSBbased	No		
22B	Support beam correspondence based on CSI-RS	38.306, 4.2.7.2	Rel-16	pc_beamCorrespondence_CSI_RSbased	No		

23	The maximum number of spatial multiplexing layer(s) supported by the UE for DL reception is 8 Layers. For single CC standalone NR, it is mandatory with capability signalling to support at least 4 MIMO layers in the bands where 4Rx is specified as mandatory for the given UE and at least 2 MIMO layers in FR2. If absent, the UE doesn't support MIMO on this carrier	38.306, 4.2.7.6	Rel-15	pc_maxNumberMIMO_Layer sPDSCH_eightLayers	CY		Set to false if Table A.4.3.2-1/23A or 23B set to true.
23A	The maximum number of spatial multiplexing layer(s) supported by the UE for DL reception is 4 Layers.	38.306, 4.2.7.6	Rel-15	pc_maxNumberMIMO_Layer sPDSCH_fourLayers	CY		Set to false if Table A.4.3.2-1/23 or 23B set to true.
23B	The maximum number of spatial multiplexing layer(s) supported by the UE for DL reception is 2 Layers.	38.306, 4.2.7.6	Rel-15	pc_maxNumberMIMO_Layer sPDSCH_twoLayers	CY		Set to false if Table A.4.3.2-1/23 or 23A set to true.
24	Supports DCI and timer based active BWP switching delay type1	38.306, 4.2.7.10	Rel-15	pc_bwp_SwitchingDelay_Type1	No		It is mandatory to report one among BWP switching delay type1 or type 2 as supported
24A	Supports DCI and timer based active BWP switching delay type2	38.306, 4.2.7.10	Rel-15	pc_bwp_SwitchingDelay_Type2	No		It is mandatory to report one among BWP switching delay type1 or type 2 as supported
24B	Supports incremental delay for DCI and timer based active BWP switching type 1 on multiple CCs simultaneously	38.306, 4.2.7.10	Rel-16	pc_bwp_SwitchingMultiCCs_type1_r16	No		It is mandatory to report one among incremental delay for DCI and timer based active BWP switching type 1 or type 2 on multiple CCs simultaneously as supported
24C	Supports incremental delay for DCI and timer based active BWP switching type 2 on multiple CCs simultaneously	38.306, 4.2.7.10	Rel-16	pc_bwp_SwitchingMultiCCs_type2_r16	No		It is mandatory to report one among incremental delay for DCI and timer based active BWP switching type 1 or type 2 on multiple CCs simultaneously as supported
25A	Support modified MPR behaviour bit 0	38.306 4.2.7.2	Rel-15	pc_modifiedMPR_behaviour_bit0	No		Applicable to FR2 bands n257, n258, n260 and n261
25	Support modified MPR behaviour	38.306 4.2.7.2	Rel-15	pc_modifiedMPR_behaviour	No		

26	Support dynamic switching between resource allocation Types 0 and 1 for PDSCH	38.306, 4.2.7.10	Rel-15	pc_dynamicSwitchRA_Type0_1_PDSCH	No		
27	Support dynamic switching between resource allocation Types 0 and 1 for PUSCH	38.306, 4.2.7.10	Rel-15	pc_dynamicSwitchRA_Type0_1_PUSCH	No		
28	Support almost contiguous UL CP-OFDM transmissions in FR1	38.306, 4.2.7.10	Rel-15	pc_almostContiguousCP_OFDM_UL_FR1	No		
29	Support almost contiguous UL CP-OFDM transmissions in FR2	38.306, 4.2.7.10	Rel-15	pc_almostContiguousCP_OFDM_UL_FR2	No		
30	Support dynamic indication of applicable minimum scheduling restriction by DCI format 0_1 and 1_1, and the minimum scheduling offset for PDSCH and aperiodic CSI-RS triggering offset (K0), and PUSCH (K2), and the extended value range for aperiodic CSI-RS triggering offset	38.306, 4.2.7.10	Rel-16	pc_crossSlotScheduling	No		
31	Supports pi/2-BPSK modulation scheme for PUSCH in FR1	38.306, 4.2.7.10	Rel-15	pc_pusch_halfpiBPSK_FR1	Yes		
31a	Supports pi/2-BPSK modulation scheme for PUSCH in FR2	38.306, 4.2.7.10	Rel-15	pc_pusch_halfpiBPSK_FR2	Yes		
32	Support multi-DCI based multi-TRP and support of fully/partially overlapping PDSCHs in time and non-overlapping in frequency	38.306, 4.2.7.6	Rel-16	pc_multiDCI_MultiTRP_r16	No		
33	Support receiving PDSCH with resource mapping that excludes the REs determined by the higher layer configuration LTE-carrier configuring common RS	38.306, 4.2.7.2	Rel-15	pc_rateMatchingLTE_CRS	Yes		
34	Support of BWP operation without bandwidth restriction	38.306, 4.2.7.2	Rel-15	pc_bwp_WithoutRestriction	No		
35	Support of receiving SCell dormancy indication on SPCell using DCI format 2_6 outside the active time	38.306, 4.2.7.4	Rel-16	pc_scellDormancyOutsideActiveTime_r16	No		
36	Supports pi/2-BPSK modulation scheme for power boosting in FR1	38.306, 4.2.7.2	Rel-15	pc_powerBoosting_pi2BPSK	No		
37	Support of dynamic 1Tx-2Tx UL Tx switching	38.306, 4.2.7.1	Rel-16	pc_ULTxSwitchingBandPair	No		If the capability is supported then the band pair(s) for which it is supported shall be indicated in Table A.4.3.2A.4.1-3, Table A.4.3.2B.2.3.1-2 and Table A.4.3.2C.2-1

37a	Support of 35us Tx switching period for 1Tx-2Tx UL Tx switching	38.306 4.2.7.1	Rel-16	pc_switchingPeriod_35us_r16	No		If the capability is supported then the band pair(s) for which it is supported shall be indicated in Table A.4.3.2A.4.1-3, Table A.4.3.2B.2.3.1-2 and Table A.4.3.2C.2-1
37b	Support of 140us Tx switching period for 1Tx-2Tx UL Tx switching	38.306 4.2.7.1	Rel-16	pc_switchingPeriod_140us_r16	No		If the capability is supported then the band pair(s) for which it is supported shall be indicated in Table A.4.3.2A.4.1-3, Table A.4.3.2B.2.3.1-2 and Table A.4.3.2C.2-1
37c	Support of 210us Tx switching period for 1Tx-2Tx UL Tx switching	38.306 4.2.7.1	Rel-16	pc_switchingPeriod_210us_r16	No		If the capability is supported then the band pair(s) for which it is supported shall be indicated in Table A.4.3.2A.4.1-3, Table A.4.3.2B.2.3.1-2 and Table A.4.3.2C.2-1
37d	Support of DL interruption during 1Tx-2Tx UL Tx switching	38.306 4.2.7.1	Rel-18	pc_uplinkTxSwitching_DL_Interruption_r16	No		Not allowed to be set to TRUE for the band combination of SUL band+TDD band, for which no DL interruption is allowed.
38	Support uplink transmission power boost by suspension of in-band emission (IBE) in FR2	38.306 4.2.7.2	Rel-16	pc_mpr_PowerBoost_FR2	No		
39	Supports the alternative 64QAM MCS table for PDSCH	38.306, 4.2.7.10	Rel-15	pc_dl_64qam_mcs_tableAlt	No		
40	Supports the CQI table with target BLER of 10^{-5}	38.306, 4.2.7.10	Rel-15	pc_cqi_tableAlt	No		
41	Supports of single DCI based spatial division multiplexing scheme	38.306, 4.2.7.5	Rel-16	pc_singledci_sdm_scheme_r16	No		

42	Support of BWP adaptation (up to 2 BWPs) with the same numerology for FR1 FDD bands	38.306, 4.2.7.2	Rel-15	pc_bwp_SameNumerology_upto2_FR1_FDD	No		FR1 FDD bands
42a	Support of BWP adaptation (up to 2 BWPs) with the same numerology for FR1 TDD bands	38.306, 4.2.7.2	Rel-15	pc_bwp_SameNumerology_upto2_FR1_TDD	No		FR1 TDD bands
42b	Support of BWP adaptation (up to 2 BWPs) with the same numerology for FR2 bands	38.306, 4.2.7.2	Rel-15	pc_bwp_SameNumerology_upto2_FR2	No		FR2 bands
43	Support of BWP adaptation (up to 4 BWPs) with the same numerology for FR1 FDD bands	38.306, 4.2.7.2	Rel-15	pc_bwp_SameNumerology_upto4_FR1_FDD	No		FR1 FDD bands
43a	Support of BWP adaptation (up to 4 BWPs) with the same numerology for FR1 TDD bands	38.306, 4.2.7.2	Rel-15	pc_bwp_SameNumerology_upto4_FR1_TDD	No		FR1 TDD bands
43b	Support of BWP adaptation (up to 4 BWPs) with the same numerology for FR2 bands	38.306, 4.2.7.2	Rel-15	pc_bwp_SameNumerology_upto4_FR2	No		FR2 bands
44	Support BWP adaptation up to 4 BWPs with the different numerologies, via DCI and timer for FR1 FDD bands	38.306 4.2.7.2	Rel-15	pc_bwp_DiffNumerology_FR1_FDD	No		FR1 FDD bands
44a	Support BWP adaptation up to 4 BWPs with the different numerologies, via DCI and timer for FR1 TDD bands	38.306 4.2.7.2	Rel-15	pc_bwp_DiffNumerology_FR1_TDD	No		FR1 TDD bands
44b	Support BWP adaptation up to 4 BWPs with the different numerologies, via DCI and timer for FR2 bands	38.306 4.2.7.2	Rel-15	pc_bwp_DiffNumerology_FR2	No		FR2 bands
45	Support PUSCH repetition type B	38.306, 4.2.7.7	Rel-16	pc_pusch_RepetitionTypeB_r16	No		
46	Support of 2-Step RACH	38.306, 4.2.7.10	Rel-16	pc_twoStepRACH_r16	No		
47	Void						
48	Void						
49	Void						
50	Void						
51	Void						
52	Support monitoring DCI format 1_2 for DL scheduling and monitoring DCI format 0_2 for UL scheduling	38.306, 4.2.7.10	Rel-16	pc_dci_Format1_2And0_2_r16	No		
53	Support of multi-DCI based multi-TRP	38.306, 4.2.7.6	Rel-16	pc_multi_dci_multi_trp	No		
54	Support of single DCI based FDMSchemeA	38.306, 4.2.7.2	Rel-16	pc_single_dci_fdmschemeA	No		
55	Support of single-DCI based inter-slot TDM	38.306, 4.2.7.2	Rel-16	pc_single_dci_interslot_tdm	No		
56	Support of maximum number of TRS resource sets per CC which the UE can track simultaneously is at least 2	38.306, 4.2.7.2	Rel-16	pc_simultaneous_TRS	No		Corresponds to IE maxSimultaneousResourceSetsPerCC within csi-RS-ForTracking
57	Support of low PAPR DMRS	38.306 4.2.7.2	Rel-16	pc_lowPAPR_DMRS_pusch_precoding	No		

58	Support of UL full power transmission mode of full power	38.306, 4.2.7.7	Rel-16	pc_ul_FullPwrMode_r16	No		
59	Support of UL full power transmission mode of fullpowerMode1	38.306, 4.2.7.7	Rel-16	pc_ul_FullPwrMode1_r16	No		
60	Void						
61	Support of PDSCH processing capability 2	38.306, 4.2.7.5	Rel-16	pc_pdsch_processing_cap2	No		
62	Support Pre-Emption Indication	38.306, 4.2.7.10	Rel-15	pc_preEmptIndication_DL	No		
63	Support of SSB based BFD	38.306, 4.2.7.2	Rel-15	pc_maxNumberSSB_BFD	CY		
64	Support of CSI-RS based BFD	38.306, 4.2.7.2	Rel-15	pc_maxNumberCSI_RS_BFD	CY		
65	Support of SSB and/or CSI-RS based Link Recovery	38.306, 4.2.7.2	Rel-15	pc_maxNumberCSI_RS_SSB_CBD	CY		
66	Support of type II codebook	38.306, 4.2.7.2	Rel-16	pc_typeIICodebook	No		Applicable for UE support at least 16 ports per CSI-RS resource based on 38.306 IE maxNumberTxPortsPerResource under CodebookParameters Type2
67	Support of Enhanced Type II codebook with at least 16 ports per CSI-RS resource	38.306, 4.2.7.2	Rel-16	pc_enhanced_typeII_codebook	No		
68	Support of TDD NR UL transmission with a 7.5 kHz shift to the LTE raster	38.101-1, 5.4.2	Rel-15	pc_frequencyShift7p5khz_TDD	No		Mandatory since Rel-16
69	Support of FDD NR UL transmission with a 7.5 kHz shift to the LTE raster	38.101-1, 5.4.2	Rel-15	pc_frequencyShift7p5khz_FDD	Yes		
70	Void						
71	Support of density of CSI-RS for Channel Measurement Report	38.306, 4.2.7.2	Rel-16	pc_supportedCSI_RS_Density_CM	No		
72	Support of SSB/CSI-RS for L1-SINR measurement	38.306, 4.2.7.2	Rel-16	pc_ssb_csirs_SINR_measurement	No		
73	Support of SSB as CMR with dedicated CSI-IM for L1-SINR measurement	38.306, 4.2.7.2	Rel-16	pc_supportedSINR_meas_ssbWithCSI_IM	No		
74	Support of SSB as CMR with dedicated NZP IMR for L1-SINR measurement	38.306, 4.2.7.2	Rel-16	pc_supportedSINR_meas_ssbWithNZP_IMR	No		
75	Support of CSI-RS as CMR with dedicated NZP IMR configured for L1-SINR measurement	38.306, 4.2.7.2	Rel-16	pc_supportedSINR_meas_csirsWithNZP_IMR	No		
76	Support of CSI-RS as CMR without dedicated IMR configured for L1-SINR measurement	38.306, 4.2.7.2	Rel-16	pc_supportedSINR_meas_csi_RSWithoutIMR	No		
77	Support of SCell beam failure recovery	38.306, 4.2.7.2	Rel-16	pc_scellBFR	No		
78	Support of the maximum number of activated TCI states per BWP per CC is other than n1, including control and data	38.306, 4.2.7.2	Rel-15	pc_maxNumberActiveTCI_PperBWP	No		

79	Support enhanced UL performance for the transient period	38.306, 4.2.7.2	Rel-16	pc_enhancedUL_TransientPeriod_r16	No		
80	Supports the priority indicator field configured in DCI formats 1_1 and 1_2 in a BWP when configured to monitor both DCI formats 1_1 and 1_2 in the BWP	38.306, 4.2.7.10	Rel-16	pc_dci_DL_PriorityIndicator_r16	No		
81	Supports the priority indicator field configured in DCI formats 0_1 and 0_2 in a BWP when configured to monitor both DCI formats 0_1 and 0_2 in the BWP	38.306, 4.2.7.10	Rel-16	pc_dci_UL_PriorityIndicator_r16	No		A UE supporting this feature shall also support ul-IntraUE-Mux-r16 and dci-Format1-2And0-2-r16
82	Supports restricting data transmission from a given LCH to a configured (sub-) set of dynamic grant priority levels	38.306, 4.2.6	Rel-16	pc_lch_ToGrantPriorityRestriction_r16	No		
83	Supports two PUCCH group in CA with a same numerology across CCs for data and control channel.	38.306 4.2.7.7	Rel-15	pc_twoPUCCH_group	No		
84	Support of transparent Tx diversity requirements for at least one NR FR1 band for single band (non-CA) case	38.306, 4.2.7.238 .331, Annex C	Rel-16	pc_txDiversity_r16	No		FR1 only This capability has been introduced in Rel-16 and is early implementable from Rel-15 onwards.
84A	Support of 2Tx Tx diversity for the band configured	38.306, 4.2.7.7	Rel-18	pc_txDiversity2Tx_r18	No		
84B	Support of 4Tx Tx diversity for the band configured	38.306, 4.2.7.7	Rel-18	pc_txDiversity4Tx_r18	No		
85	Support of repetition of PUSCH transmission scheduled by RAR UL grant and DCI format 0_0 with CRC scrambled by TC-RNTI	38.306, 4.2.7.2	Rel-17	pc_pusch_RepetitionMsg3_r17	No		
86	Support of DL scheduling slot offset (K0) greater than 0 for PDSCH mapping type A.	38.306, 4.2.7.10	Rel-15	pc_dl_SchedulingOffset_PD SCH_TypeA	Yes		
87	Support of CQI reporting with 4 bits per subband for NTN and shared spectrum channel access	38.306, 4.2.7.2	Rel-17	pc_cqi_4_BitsSubbandNTN_SharedSpectrumChAccess_r17	No		UE supports CQI reporting with 4 bits per subband for NTN and shared spectrum channel access

88	Support of propagation delay compensation based on legacy TA procedure for NTN and shared spectrum channel access	38.306, 4.2.7.2	Rel-17	pc_ta_BasedPDC_NTN_SharedSpectrumChAccess_r17	No		UE supports propagation delay compensation based on legacy TA procedure for NTN and shared spectrum channel access
89	Support of 8 dynamic slot-level repetitions for group-common PDSCH for multicast for NTN and shared spectrum channel access	38.306, 4.2.7.2	Rel-17	pc_dynamicSlotRepetitionMulticastNTN_SharedSpectrumChAccess_r17_n8	No		UE supports 8 dynamic slot-level repetitions for group-common PDSCH for multicast for NTN and shared spectrum channel access
90	Support of 16 dynamic slot-level repetitions for group-common PDSCH for multicast for NTN and shared spectrum channel access	38.306, 4.2.7.2	Rel-17	pc_dynamicSlotRepetitionMulticastNTN_SharedSpectrumChAccess_r17_n16	No		UE supports 16 dynamic slot-level repetitions for group-common PDSCH for multicast for NTN and shared spectrum channel access
91	Support of NTN features in GSO scenario	38.306, 4.2.2	Rel-17	pc_ntn_ScenarioSupport_r17_GSO	No		UE supports NTN features in GSO scenario
92	Support of NTN features in NGSO scenario	38.306, 4.2.2	Rel-17	pc_ntn_ScenarioSupport_r17_NGSO	No		UE supports NTN features in NGSO scenario
93	Void						
94	Supports the restriction to 3450 - 3550 MHz and 3700 - 3980 MHz ranges of band n77	38.306, 4.2.7.11	Rel-16	pc_extendedBand_n77_r16	No		Applicable for UE support band n77 and in the USA this band is restricted to 3450 – 3550 MHz and 3700 – 3980 MHz.
95	Supports the restriction to 3450 - 3650 MHz and 3650 - 3980 ranges of band n77	38.306, 4.2.7.11	Rel-17	pc_extendedBand_n77_2_r17	No		Applicable for UE support band n77 and in Canada this band is restricted to 3450 – 3650 MHz and 3650 – 3980 MHz.
96	Void						
97	Void						
98	Void						
99	Void						
100	Void						

101	Void						
102	Void						
103	Void						
104	Support of 1024QAM modulation scheme for PDSCH with maximum 2 MIMO layers for FR1 FDD bands	38.306, 4.2.7.2	Rel-17	pc_pdsch_1024QAM_2MIMO_FR1_r17_FDD	No		FR1 FDD bands
105	Support of 1024QAM modulation scheme for PDSCH with maximum 2 MIMO layers for FR1 TDD bands	38.306, 4.2.7.2	Rel-17	pc_pdsch_1024QAM_2MIMO_FR1_r17_TDD	No		FR1 TDD bands
106	Support of 1024QAM modulation scheme for PDSCH for FR1_FDD bands	38.306, 4.2.7.2	Rel-17	pc_pdsch_1024QAM_FR1_r17_FDD	No		FR1 FDD bands
107	Support of 1024QAM modulation scheme for PDSCH for FR1_TDD bands	38.306, 4.2.7.2	Rel-17	pc_pdsch_1024QAM_FR1_r17_TDD	No		FR1 TDD bands
108	Support RTT-based propagation delay compensation for time synchronization of the Uu interface based on CSI-RS for tracking and SRS.	38.306, 4.2.7.5	Rel-17	pc_rtt_BasedPDC_CSI_RS_ForTracking_r17	No		A UE supporting this feature shall also indicate support of csi-RS-ForTracking and supportedSRS-Resources as specified in TS 38.331.
109	Support RTT-based Propagation delay compensation for time synchronization of the Uu interface based on DL PRS and SRS.	38.306, 4.2.7.5	Rel-17	pc_rtt_BasedPDC_PRS_r17	No		If UE provides parameter maxNumberPRS-Resource-r17 and optionally parameter maxNumberPRS-ResourceProcessedPerSlot-r17 as described in TS 38.331, consider this as supported, otherwise not supported. A UE supporting this feature shall also indicate support of supportedSRS-Resources as specified in TS 38.331.
110	Support propagation delay compensation based on legacy TA procedure for TN and non-shared spectrum channel access.	38.306, 4.2.7.10	Rel-17	pc_ta_BasedPDC_TN_NSSChAccess_r17	No		

111	Support Type 1 PUSCH transmissions with configured grant	38.306 4.2.7.10	Rel-15	pc_type1_PUSCH_RepetitionMultiSlots	No		
112	Support Type 2 PUSCH transmissions with configured grant	38.306 4.2.7.10	Rel-15	pc_type2_PUSCH_RepetitionMultiSlots	No		
113	Support the dynamic indication of the number of repetitions for PUSCH transmission	38.306 4.2.7.10	Rel-16	pc_pusch_RepetitionTypeA_r16	No		
114	Support repetitions for PUCCH format 0, 1, 2, 3 and 4 over multiple PUCCH subslots based on dynamic repetition indication	38.306 4.2.7.7	Rel-17	pc_pucch_Repetition_F0_1_2_3_4_DynamicIndication_r17	No		
115	Support the increased maximum number of PUSCH Type A repetitions up to 32	38.306 4.2.7.2	Rel-17	pc_maxNumberPUSCH_TypeA_Repetition_r17	No		
116	Support PUSCH repetitions based on available slots	38.306 4.2.7.2	Rel-17	pc_puschTypeA_RepetitionsAvailSlot_r17	No		
117	Supports TB processing over multi-slot PUSCH without repetition	38.306 4.2.7.2	Rel-17	pc_tb_ProcessingMultiSlotPUSCH_r17	No		
118	Supports repetition of TB processing over multi-slot PUSCH	38.306 4.2.7.2	Rel-17	pc_tb_ProcessingRepMultiSlotPUSCH_r17	No		
119	Support SFN scheme A for PDCCH scheduling SFN Scheme A PDSCH	38.306, 4.2.7.5	Rel-17	pc_sfn_schemeA_r17	No		
120	Support SFN scheme B for PDCCH scheduling SFN Scheme B PDSCH	38.306, 4.2.7.5	Rel-17	pc_sfn_schemeB_r17	No		
121	Support of up to 8 configured SPS configurations in a BWP of a serving cell and up to 32 configured SPS configurations in a cell group	38.306, 4.2.7.2	Rel-16	pc_multi_sps_r16	No		The UE can include this feature only if the UE indicates support of downlinkSPS.
122	Support transmission of two PUCCH formats in TDM in the same slot	38.306, 4.2.7.10	Rel-15	pc_twoPUCCH_AnyOthersInSlot	No		
123	Support of unified TCI state operation with joint DL/UL TCI update for intra-cell beam management	38.306, 4.2.7.2	Rel-17	pc_unifiedJointTCI_r17	No		
124	Support of unified TCI state operation with separate DL/UL TCI update for intra-cell beam management	38.306, 4.2.7.2	Rel-17	pc_unifiedSeparateTCI_r17	No		
125	Support of RRC configuration of additional PCI different from serving cell associated with the TCI state and/or QCL-info	38.306, 4.2.7.2	Rel-17	pc_mTRP_InterCell_r17	No		
126	Support of unified TCI with separate DL/UL TCI update for inter-cell beam management	38.306, 4.2.7.2	Rel-17	pc_unifiedSeparateTCI_InterCell_r17	No		

127	Support of dynamic 2Tx-2Tx UL Tx switching	38.306, 4.2.7.1	Rel-17	pc_2Tx_ULTxSwitchingBandPair_r17	No		If the capability is supported then the band pair(s) for which it is supported shall be indicated in Table A.4.3.2A.4.1-3
127a	Support of R18 dynamic UL Tx switching across up to 4 bands in case of inter-band CA, SUL	38.306 4.2.7.1	Rel-18	pc_ULTxSwitchingBandPair_r18	No		If the capability is supported then the band pair(s) for which it is supported shall be indicated in Table A.4.3.2A.4.1-3, Table A.4.3.2C.3-3
127b	Support of R18 dynamic UL Tx switching with 35us Tx switching period	38.306 4.2.7.1	Rel-18	pc_switchingPeriod_35us_r18	No		If the capability is supported then the band pair(s) for which it is supported shall be indicated in Table A.4.3.2A.4.1-3, Table A.4.3.2C.3-3
127c	Support of R18 dynamic UL Tx switching with 140us Tx switching period	38.306 4.2.7.1	Rel-18	pc_switchingPeriod_140us_r18	No		If the capability is supported then the band pair(s) for which it is supported shall be indicated in Table A.4.3.2A.4.1-3, Table A.4.3.2C.3-3
127d	Support of R18 dynamic UL Tx switching with 210us Tx switching period	38.306 4.2.7.1	Rel-18	pc_switchingPeriod_210us_r18	No		If the capability is supported then the band pair(s) for which it is supported shall be indicated in Table A.4.3.2A.4.1-3, Table A.4.3.2C.3-3

127e	Support of R18 dynamic UL Tx switching with DL interruption occurring during Tx switching	38.306, 4.2.7.1	Rel-18	pc_uplinkTxSwitching_DL_Interruption_r18	No		Not allowed to be set to TRUE for the band combination of SUL band+TDD band, for which no DL interruption is allowed.
128	Indicates whether the UE supports aperiodic CSI-RS for tracking for fast SCell activation, i.e., 1) Aperiodic CSI-RS for tracking for fast SCell activation is triggered by enhanced SCell activation/deactivation MAC CE; 2) Aperiodic CSI-RS for tracking for fast SCell activation is triggered within the BWP indicated by firstActiveDownlinkBWP-Id for the SCell.	38.306, 4.2.7.2	Rel-17	pc_aperiodicCSI-RS_FastSCellActivation_r17	No		Includes maxNumberAperiodicCSI-RS-PerCC-r17 and maxNumberAperiodicCSI-RS-AcrossCCs-r17 to indicate the number of RS configurations for fast SCell activation that can be indicated by the MAC CE
129	Indicates whether the UE supports conditional PSCell addition in EN-DC. The UE supporting this feature shall also support 2 trigger events for same execution condition in conditional PSCell addition in EN-DC.	38.306, 4.2.7.9	Rel-17	pc_condPSCellAdditionENDC_r17	No		
130	Support of conditional PSCell addition in NR-DC	38.306, 4.2.7.12	Rel-17	pc_condPSCellAdditionNRDC_r17	No		
131	Support of activation (with or without RACH) and deactivation on SCG in EN-DC	38.306, 4.2.7.9	Rel-17	pc_scg_ActivationDeactivationENDC_r17	No		
132	Support of activation (with or without RACH) and deactivation on SCG in NR-DC	38.306, 4.2.7.12	Rel-17	pc_scg_ActivationDeactivationNRDC_r17	No		
133	Support of TCI state update and activation by a) MAC-CE+DCI-based TCI state indication (use of DCI formats 1_1/1_2 with DL assignment) And b) MAC-CE+DCI-based TCI state indication (use of DCI formats 1_1/1_2 without DL assignment)	38.306, 4.2.7.2	Rel-17	pc_unifiedSeparateTCI_multiMAC_CE_r17	No		A UE supporting this feature shall also support unifiedSeparateTCI-r17.
134	Indicates whether UE supports partial frequency sounding for SRS with frequency hopping.	38.306, 4.2.7.2	Rel-17	pc_srs_partialFrequencySounding_r17	No		

135	Indicates whether the UE supports partial frequency sounding for SRS with frequency hopping and start RB location hopping.	38.306, 4.2.7.2	Rel-17	pc_srs_startRB_locationHoppingPartial_r17	No		A UE supporting this feature shall also indicate support of pc_srs_partialFrequencySounding_r17 as specified in TS 38.306.
136	Indicates whether the UE supports PDCCH search space monitoring occasions in any symbol of the slot (pdcch-MonitoringAnyOccasions)	38.306, 4.2.7.5	Rel-15	pc_pdcchMonitoringAnyOccasions	No		
137	Indicates whether the UE supports PDCCH search space monitoring occasions in any symbol of the slot with minimum time separation between two consecutive transmissions of PDCCH with span (pdcch-MonitoringAnyOccasionsWithSpanGap)	38.306, 4.2.7.5	Rel-15	pc_pdcchMonitoringAnyOccasions_SpanGap	No		
138	Support of UE reporting of information related to TA pre-compensation	38.306, 4.2.7.2	Rel-17	pc_uplink_TA_Reporting_r17	No		UE supports UE reporting of information related to TA pre-compensation.
139	Indicates whether the UE supports mTRP BFR based on two BFD-RS sets.	38.306, 4.2.7.5	Rel-17	pc_mTRP_BFR_twoBFD_RS_Set_r17	No		
140	Indicates the support of intra-slot PDCCH repetition based on two linked SS sets associated with corresponding CORESETs.	38.306, 4.2.7.5	Rel-17	pc_mTRP_PDCCH_Repetition_r17	No		
141	Support of reception of UE-specific K_offset	38.306, 4.2.7.2	Rel-17	pc_ue_specific_K_Offset_r17	No		
142	Support of at least 2 TAGs	38.306, 4.2.7.4	Rel-15	pc_supportedNumberTAG_n2_n3_n4	No		
143	Indicates whether UE supports multi-TRP PUSCH repetition based on codebook with PUSCH repetition type A.	38.306, 4.2.7.7	Rel-17	pc_mtrpPuschTypeACb_r17	No		
144	Indicates whether UE supports multi-TRP PUSCH repetition based on codebook with PUSCH repetition type B.	38.306, 4.2.7.8	Rel-17	pc_mtrpPuschTypeBCb_r17	No		
145	Indicates whether UE supports cyclic mapping when the number of repetitions is larger than 2 with repetition type.	38.306, 4.2.7.2	Rel-17	pc_mtrpPuschCyclicMapping_r17	No		

146	Indicates whether UE supports PHR reporting related to M-TRP PUSCH repetition (calculate two PHRs (at least corresponding to the CC that applies m-TRP PUSCH repetitions), each associated with a first PUSCH occasion corresponding to each SRS resource set, and report two PHRs).	38.306, 4.2.7.2	Rel-17	pc_mtrpPuschTwoPhrReporting_r17	No		
147	Indicates whether UE supports DM-RS bundling for PUCCH repetitions for PUCCH formats 1/3/4 over consecutive symbols	38.306 4.2.7.2	Rel-17	pc_dmrs_BundlingPUCCH_Rep_r17	No		UE supports DMRS bundling over PUCCH
148	Indicates whether UE supports DM-RS bundling for TB processing over multi-slot PUSCH over consecutive symbols	38.306 4.2.7.2	Rel-17	pc_dmrs_BundlingPUSCH_multiSlot_r17	No		UE supports DMRS bundling over PUSCH
149	Indicates whether the UE supports DM-RS bundling for PUSCH repetition type A over consecutive symbols	38.306 4.2.7.2	Rel-17	pc_dmrs_BundlingPUSCH_RepTypeA_r17	No		UE supports DMRS bundling over PUSCH
150	Indicates whether the UE supports DM-RS bundling for PUSCH repetition type B over consecutive symbols	38.306 4.2.7.2	Rel-17	pc_dmrs_BundlingPUSCH_RepTypeB_r17	No		UE supports DMRS bundling over PUSCH
151	Indicates whether the UE supports 3 MHz symmetric channel bandwidth in DL and UL, including the following functional components: - Reception of 12 PRB PBCH based on RB-level puncturing; - Short RACH preamble formats with 15kHz SCS, and long PRACH formats with 1.25kHz SCS; - Reception of 15 PRB CORESET0. This feature is supported for 15kHz SCS only. It is applicable only to single-carrier operation and when an associated SS/PBCH block is located according to Table 5.4.3.3-2 in TS 38.101-1 [2]. NOTE: The UE supporting this capability supports configuration of 15 PRB BWP operation in DL and UL.	38.306, 4.2.7.2	Rel-18	pc_support3MHz_ChannelBW_Symmetric_r18	No		FR1 FDD bands Not applicable for (e)RedCap UEs

152	Indicates whether the UE supports reception of 12 PRB CORESET0 with an associated SS/PBCH block that is located according to Table 5.4.3.1-2 in TS 38.101-1 [2]. A UE supporting this feature shall also indicate support of support-3MHz-ChannelBW-Symmetric-r18. This feature is supported for 15kHz SCS only. This feature is only applicable to single-carrier operation. NOTE: The UE supporting this capability supports configuration of 12 PRB BWP operation.	38.306, 4.2.7.2	Rel-18	pc_support12PRB_CORESET0_r18	No		FR1 FDD bands Not applicable for (e)RedCap UEs
153	Support of 35us Tx switching period for 2Tx-2Tx dynamic UL Tx switching	38.306 4.2.7.1	Rel-17	pc_switchingPeriod_35us_r17	No		If the capability is supported then the band pair(s) for which it is supported shall be indicated in Table A.4.3.2A.4.1-3
154	Support of 140us Tx switching period for 2Tx-2Tx dynamic UL Tx switching	38.306 4.2.7.1	Rel-17	pc_switchingPeriod_140us_r17	No		If the capability is supported then the band pair(s) for which it is supported shall be indicated in Table A.4.3.2A.4.1-3
155	Support of 210us Tx switching period for 2Tx-2Tx dynamic UL Tx switching	38.306 4.2.7.1	Rel-17	pc_switchingPeriod_210us_r17	No		If the capability is supported then the band pair(s) for which it is supported shall be indicated in Table A.4.3.2A.4.1-3
156	Support of DL interruption during 2Tx-2Tx dynamic UL Tx switching	38.306 4.2.7.1	Rel-17	pc_uplinkTxSwitching_DL_Interruption_r17	No		Not allowed to be set to TRUE for the band combination of SUL band+TDD band, for which no DL interruption is allowed.

157	Indicates the interruption time on DL/UL reception within a NR band pair during the RF retuning for switching between a carrier on one band and another (PUSCH-less) carrier on the other band to transmit SRS	38.306, 4.2.7.1	Rel-16	pc_srs_SwitchingTimeNR	No		
158	Indicates the interruption time on DL/UL reception within a EUTRA band pair during the RF retuning for switching between a carrier on one band and another (PUSCH-less) carrier on the other band to transmit SRS	38.306, 4.2.7.1	Rel-16	pc_srs_SwitchingTimeEUTRA	No		
159	Indicates whether the UE supports multi-PUSCHs for configured grant by indicating whether the UE supports the determination of time-domain resource allocation for CG-PUSCHs associated to a multi-PUSCHs CG	38.306, 4.2.7.2	Rel-18	pc_multiPUSCH_CG_r18	No		A UE supporting this feature shall also indicate support of at least one of configuredUL-GrantType1, configuredUL-GrantType1-v1650, configuredUL-GrantType2, and configuredUL-GrantType2-v1650.
160	Supports {2, 4, 8} for the number of multiple PRACH transmissions with same Tx spatial filter.	38.306 4.2.7.2	Rel-18	pc_prach_CoverageEnh_r18	No		
161	UE is 2Rx XR UE	38.306, 4.2.7.2	Rel-18	pc_supportOf2RxXR_r18	No		Not applicable for (e)RedCap UEs
162	Indicates whether the UE supports monitoring DCI format 1_3 for DL scheduling with same SCS between scheduling cell and cells in the set and supports Type-2 for 'Antenna port(s)' field.	38.306, 4.2.7.4	Rel-18	pc_multiCell_PDSCH_DCI_1_3_SameSCS_r18	No		
163	Indicates whether the UE supports monitoring DCI format 0_3 for UL scheduling with same SCS between scheduling cell and cells in the set and supports Type-2 for 'Antenna port(s)', 'Precoding information and number of layers' and 'SRS resource indicator' fields.	38.306, 4.2.7.4	Rel-18	pc_multiCell_PUSCH_DCI_0_3_SameSCS_r18	No		
164	Indicates whether the UE supports co-scheduled cell indication scheme based on FDRA field of DCI format 1_3.	38.306, 4.2.7.4 38.331 6.3.3	Rel-18	pc_coScheduledCellIndicationScheme_r18_fdra_DCI_1_3	No		

165	Indicates whether the UE supports co-scheduled cell indication scheme based on Scheduled cell set indicator field of DCI format 1_3	38.306, 4.2.7.4 38.331 6.3.3	Rel-18	pc_coScheduledCellIndicationScheme_r18_cellInd_DCI_1_3	No		
166	Indicates whether the UE supports co-scheduled cell indication scheme based on FDRA field of DCI format 0_3.	38.306, 4.2.7.4 38.331 6.3.3	Rel-18	pc_coScheduledCellIndicationScheme_r18_fdra_DCI_0_3	No		
167	Indicates whether the UE supports co-scheduled cell indication scheme based on Scheduled cell set indicator field of DCI format 0_3	38.306, 4.2.7.4 38.331 6.3.3	Rel-18	pc_coScheduledCellIndicationScheme_r18_cellInd_DCI_0_3	No		
168	Indicate whether the UE supports search space set configurations for DCI format 1_3 for the set of cells with the same searchSpaceId are provided on both the scheduling cell and a serving cell in the set of cells with the scheduling cell being in the set of cells.	38.306, 4.2.7.4 38.331 6.3.3	Rel-18	pc_supportOfSearchSpace_r18_DCI_1_3	No		
169	Indicate whether the UE supports search space set configurations for DCI format 0_3 for the set of cells with the same searchSpaceId are provided on both the scheduling cell and a serving cell in the set of cells with the scheduling cell being in the set of cells.	38.306, 4.2.7.4 38.331 6.3.3	Rel-18	pc_supportOfSearchSpace_r18_DCI_0_3	No		
170	Indicates whether the UE supports harq feedback type1 for DCI format 1_3	38.306, 4.2.7.4 38.331 6.3.3	Rel-18	pc_harqFeedbackType1_DCI_1_3	No		
171	Indicates whether the UE supports harq feedback type2 for DCI format 1_3	38.306, 4.2.7.4 38.331 6.3.3	Rel-18	pc_harqFeedbackType2_DCI_1_3	No		
172	Indicates whether the UE supports basic feature of Rel-18 enhanced DMRS ports for PDSCH for scheduling of mapping type A.	38.306 4.2.7.5	Rel-18	pc_pdsch_TypeA_DMRS_r18	No		
173	Void						
174	Indicates whether the UE supports two TA enhancement for multi-DCI based intra-cell Multi-TRP operation. A UE supporting this feature shall also indicate support of multiDCI-MultiTRP-r16.	38.306, 4.2.7.6	Rel-18	pc_multiDCI_IntraCellMultiTRP_TwoTA_r18	No		

175	Support unified TCI with joint DL/UL LTM TCI-state indication for LTM procedure, indicating and activating a single joint LTM TCI state in a cell switch command	38.306 4.2.7.2	Rel-18	pc_ltm_BeamIndicationJointTCI_r18	No		A UE supporting this feature shall also indicate support of unifiedJointTCI-r17 and at least one of ltm-MCG-IntraFreq-r18 (pc_ltm_MCG_IntraFreq_r18) or ltm-SCG-IntraFreq-r18 (pc_ltm_SCG_IntraFreq_r18).
176	Support unified TCI with separate DL/UL TCI-state indication for LTM procedure and indicating/activating a pair of UL/DL TCI-state in a cell switch command	38.306 4.2.7.2	Rel-18	pc_ltm_BeamIndicationSeparateTCI_r18	No		A UE supporting this feature shall also indicate support of unifiedSeparateTCI-r17 and at least one of ltm-MCG-IntraFreq-r18 (pc_ltm_MCG_IntraFreq_r18) or ltm-SCG-IntraFreq-r18 (pc_ltm_SCG_IntraFreq_r18).
177	Support fast processing of LTM candidate cell RRC configuration	38.306 4.2.7.2	Rel-18	pc_ltm_FastProcessingConfig_r18	No		A UE supporting this capability shall also indicate support of ltm-MAC-CE-JointTCI-r18 (pc_ltm_MAC_CE_JointTCI_r18) or ltm-MAC-CE-SeparateTCI-r18 (pc_ltm_MAC_CE_SeparateTCI_r18).
178	Support MAC-CE activated joint LTM TCI states	38.306 4.2.7.2	Rel-18	pc_ltm_MAC_CE_JointTCI_r18	No		A UE supporting this feature shall also indicate support of ltm-BeamIndicationJointTCI-r18 (pc_ltm_BeamIndicationJointTCI_r18).

179	Support MAC-CE activated DL/UL LTM TCI states	38.306 4.2.7.2	Rel-18	pc_ltm_MAC_CE_SeparateTCI_r18	No		A UE supporting this feature shall also indicate support of ltm-BeamIndicationSeparateTCI-r18 (pc_ltm_BeamIndicationSeparateTCI_r18).
180	Support RACH-based early TA acquisition	38.306 4.2.7.2	Rel-18	pc_rach_EarlyTA_Measurement_r18	No		A UE supporting this feature shall also indicate support of ta-IndicationCellsSwitch-r18 (pc_ta_IndicationCellsSwitch_r18) and at least one of ltm-MCG-IntraFreq-r18 (pc_ltm_MCG_IntraFreq_r18) or ltm-SCG-IntraFreq-r18 (pc_ltm_SCG_IntraFreq_r18).
181	Support TA indication in cell switch command	38.306 4.2.7.2	Rel-18	pc_ta_IndicationCellsSwitch_r18	No		A UE supporting this feature shall also indicate support of at least one of ltm-MCG-IntraFreq-r18 (pc_ltm_MCG_IntraFreq_r18) or ltm-SCG-IntraFreq-r18 (pc_ltm_SCG_IntraFreq_r18).
182	Support UE-based TA measurement by indicating the maximum number of candidate cells that the UE maintains the TA for	38.306 4.2.7.2	Rel-18	pc_ue_TA_Measurement_r18	No		A UE supporting this feature shall also indicate the support of at least one of ltm-MCG-IntraFreq-r18 (pc_ltm_MCG_IntraFreq_r18) or ltm-SCG-IntraFreq-r18 (pc_ltm_SCG_IntraFreq_r18).

183	Support PDCCH-ordered RACH transmission for the corresponding band pair indicating whether UE may cause interruption on DL slot(s) on serving cells due to PDCCH-ordered RACH transmission	38.306 4.2.7.5	Rel-18	pc_pdcch_RACH_AffectedBandsList_r18	No		A UE supporting this feature shall also indicate support of rach-EarlyTA-Measurement-r18 (pc_rach_EarlyTA_Measurement_r18).
184	Support PDCCH-ordered RACH transmission for the corresponding band pair indicating the RF/BB preparation time for PDCCH ordered RACH of which the resources are not fully contained in any of UE's configured UL BWP(s) of active serving cells	38.306 4.2.7.5	Rel-18	pc_pdcch_RACH_SwitchingTimeList_r18	No		A UE supporting this feature shall also indicate support of rach-EarlyTA-Measurement-r18 (pc_rach_EarlyTA_Measurement_r18).
185	Support PDCCH-ordered RACH transmission for the corresponding band pair indicating the interruption length (Y ms) due to RF re-tuning for PDCCH ordered RACH of which the resources are not fully contained in any of UE's configured UL BWP(s) of active serving cells	38.306 4.2.7.5	Rel-18	pc_pdcch_RACH_PrepTimeList_r18	No		A UE supporting this feature shall also indicate support of rach-EarlyTA-Measurement-r18 (pc_rach_EarlyTA_Measurement_r18).
186	Support simultaneous transmission to handle the overlap between UL transmission on serving cell(s) and PRACH on candidate cell(s)	38.306 4.2.7.7	Rel-18	pc_rach_EarlyTA_BandList_r18	No		A UE supporting this feature shall also indicate support of rach-EarlyTA-Measurement-r18 (pc_rach_EarlyTA_Measurement_r18).
187	Indicates whether the UE supports cell DTX operation by RRC configuration	38.306 4.2.7.2	Rel-18	pc_nes_CellDTX_r18	No		nes-CellDTX-DRX-r18 is set to the value 'cellDTXonly' or 'both' and UE shall also indicate support of longDRX-Cycle
188	Indicates whether the UE supports cell DRX operation by RRC configuration	38.306 4.2.7.2	Rel-18	pc_nes_CellDRX_r18	No		nes-CellDTX-DRX-r18 is set to the value 'cellDRXonly' or 'both'
189	Indicates whether the UE supports cell DTX/DRX configuration activation and deactivation via DCI 2_9	38.306 4.2.7.2	Rel-18	pc_nes_CellDTX_DRX_DCI2_9_r18	No		A UE supporting this feature shall also indicate support of nes-CellDTX-DRX-r18

190	Indicates whether the UE supports R-ML (reduced complexity ML) receivers with enhanced inter-user interference suppression, when co-scheduled UE(s)' modulation order is explicitly signalled by DCI.	38.306 4.2.7.10	Rel-18	pc_advReceiver_MU_MIMO_r18	No		
191	Support intra-frequency LTM for MCG with RACH without NR-DC configured	38.306 4.2.7.2	Rel-18	pc_ltm_MCG_IntraFreq_r18	No		A UE supporting this feature shall also indicate support for ltm-BeamIndicationJointTCI-r18 (pc_ltm_BeamIndicationJointTCI_r18) or ltm-BeamIndicationSeparateTCI-r18 (pc_ltm_BeamIndicationSeparateTCI_r18).
192	Support intra-frequency LTM for SCG with RACH	38.306 4.2.7.2	Rel-18	pc_ltm_SCG_IntraFreq_r18	No		A UE supporting this feature shall also indicate support for ltm-BeamIndicationJointTCI-r18 (pc_ltm_BeamIndicationJointTCI_r18) or ltm-BeamIndicationSeparateTCI-r18 (pc_ltm_BeamIndicationSeparateTCI_r18).
193	Support of always including the current SpCell in the L1 measurement report	38.306 4.2.7.5	Rel-18	pc_currentSpCellInclL1_Report_r18	No		A UE supporting this feature shall also indicate support of intraFreqL1-MeasConfig-r18 (pc_intraFreqL1_MeasConfig_r18).
194	Support of inter-frequency L1- RSRP measurement and reporting based on SSB(s) of candidate cell(s), regardless whether the candidate cell(s) are inside or outside of the BC (unless the UE also indicates support of ltm-interFreqL1-OnlyInBC-r18)	38.306 4.2.7.5	Rel-18	pc_interFreqL1_MeasConfig_r18	No		A UE supporting this feature shall also indicate support of intraFreqL1-MeasConfig-r18 (pc_intraFreqL1_MeasConfig_r18).

195	Support of SSB based inter-frequency L1-RSRP measurements on SSBs within active DL BWP without measurement gaps (without interruption on serving cell(s)) for LTM	38.306 4.2.7.5	Rel-18	pc_interFreqSSB_L1_MeasWithoutGaps_r18	No		A UE supporting this feature shall also indicate support of interFreqL1-MeasConfig-r18 (pc_interFreqL1_MeasConfig_r18).
196	Support of intra-frequency L1-RSRP measurement and reporting based on SSB(s) of candidate cell(s)	38.306 4.2.7.5	Rel-18	pc_intraFreqL1_MeasConfig_r18	No		A UE supporting this feature shall also indicate support of periodicBeam Report or aperiodicBeam Report or sp-BeamReportP UCCH or sp-BeamReportP USCH.
197	Support of reporting the maximum number of frequency layers UE can measure for intra- and inter-frequency without measurement gaps L1-RSRP measurement	38.306 4.2.7.5	Rel-18	pc_supportedMaxIntraInterFreqLayersWithoutGaps_r18	No		A UE indicating support for this component shall also indicate support for intraFreqL1-MeasConfig-r18 (pc_intraFreqL1_MeasConfig_r18) and/or interFreqSSB-L1-MeasWithoutGaps-r18 (pc_interFreqSSB_L1_MeasWithoutGaps_r18).
198	Support of reporting the maximum number of frequency layers UE can measure for inter-frequency L1-RSRP measurement with measurement gaps	38.306 4.2.7.5	Rel-18	pc_supportedMaxInterFreqLayersWithGaps_r18	No		A UE indicating support for this component shall also indicate support for ltm-InterFreqMeasGap-r18 (pc_ltm_InterFreqMeasGap_r18).

199	Support of reporting the max number of neighbour cells UE can measure for L1-RSRP per frequency layer for intra-frequency or inter-frequency without measurement gaps	38.306 4.2.7.5	Rel-18	pc_supportedMaxNeighCellsPerFreqLayersWithoutGaps_r18	No		A UE indicating support for this component shall also indicate support for intraFreqL1-MeasConfig-r18 (pc_intraFreqL1_MeasConfig_r18) or interFreqSSB-L1-MeasWithoutGaps-r18 (pc_interFreqSSB_L1_MeasWithoutGaps_r18).
200	Support of reporting the max number of neighbour cells UE can measure for L1-RSRP per frequency layer for inter-frequency with measurement gaps	38.306 4.2.7.5	Rel-18	pc_supportedMaxNeighCellsPerFreqLayersWithGaps_r18	No		A UE indicating support for this component shall also indicate support for ltm-InterFreqMeasGap-r18 (pc_ltm_InterFreqMeasGap_r18).
201	Support of reporting the max number of SSB resources UE can measure for L1-RSRP per frequency layer for intra-frequency or inter-frequency without measurement gaps	38.306 4.2.7.5	Rel-18	pc_supportedMaxSSB_PerFreqLayersWithoutGaps_r18	No		A UE indicating support for this component shall also indicate support for intraFreqL1-MeasConfig-r18 (pc_intraFreqL1_MeasConfig_r18) or interFreqSSB-L1-MeasWithoutGaps-r18 (pc_interFreqSSB_L1_MeasWithoutGaps_r18).
202	Support of reporting the max number of SSB resources UE can measure for L1-RSRP per frequency layer for inter-frequency with measurement gaps	38.306 4.2.7.5	Rel-18	pc_supportedMaxSSB_PerFreqLayersWithGaps_r18	No		A UE indicating support for this component shall also indicate support for ltm-InterFreqMeasGap-r18 (pc_ltm_InterFreqMeasGap_r18).

203	Support of simultaneous L1-RSRP measurements for more than one cell when the max RTD among the cells on the same frequency layer or in the same active BWP is larger than CP length of the cell on the frequency layer or in the same active BWP	38.306 4.2.7.5	Rel-18	pc_multiCellL1_measRTD_greaterThan_CP_r18	No		A UE supporting this feature shall also indicate support of either intraFreqL1-MeasConfig-r18 (pc_intraFreqL1_MeasConfig_r18), interFreqSSB-L1-MeasWithoutGaps-r18 (pc_interFreqSSB_L1_MeasWithoutGaps_r18) or ltm-InterFreqMeasGap-r18 (pc_ltm_InterFreqMeasGap_r18).
204	Support of reporting the max number of total cells of serving cells and neighboring cells across all frequency layers of intra-frequency and inter-frequency without measurement gaps for L1 measurement.	38.306 4.2.7.5	Rel-18	pc_supportedMaxCellsWithoutGapsL1_Meas_r18	No		A UE indicating support for this component shall also indicate support for intraFreqL1-MeasConfig-r18 (pc_intraFreqL1_MeasConfig_r18) or interFreqSSB-L1-MeasWithoutGaps-r18 (pc_interFreqSSB_L1_MeasWithoutGaps_r18).
205	Support of reporting the max number of total SSB resources of serving cells and neighboring cells across all frequency layers of intra-frequency and inter-frequency without measurement gaps for L1 measurement	38.306 4.2.7.5	Rel-18	pc_supportedMaxSSB_L1_Meas_r18	No		A UE indicating support for this feature shall also indicate support for intraFreqL1-MeasConfig-r18 (pc_intraFreqL1_MeasConfig_r18) or interFreqSSB-L1-MeasWithoutGaps-r18 (pc_interFreqSSB_L1_MeasWithoutGaps_r18).

206	Support of reporting the max number of SSB resources for L1-RSRP measurement that UE can measure within a slot across candidate cells for intra- and inter-frequency without gap L1-RSRP measurement	38.306 4.2.7.5	Rel-18	pc_supportedMaxSSB_WithinSlotL1_Meas_r18	No		A UE indicating support for this component shall also indicate support for intraFreqL1-MeasConfig-r18 (pc_intraFreqL1_MeasConfig_r18) or interFreqSSB-L1-MeasWithoutGaps-r18 (pc_interFreqSSB_L1_MeasWithoutGaps_r18).
207	Indicates whether the UE supports DCI-based enabling/disabling NES-specific CHO execution condition	38.306 4.2.7.2	Rel-18	pc_nesBasedCondHandoverWithDCI_r18	No		A UE supporting this feature shall also indicate the support of condHandover-r16. UE shall set the capability value consistently for all FDD-FR1 bands, all TDD-FR1 bands, all TDD-FR2-1 bands and all TDD-FR2-2 bands respectively.
208	Indicates whether the UE supports eType-II codebook with refinement for multi-TRP CJT	38.306 4.2.7.2	Rel-18	pc_eType2CJT_r18	No		The UE indicating support of eType2CJT-r18 shall also indicate support of csi-ReportFramework and simultaneousCSI-ReportsAllCC.
209	Indicates whether the UE supports providing multi-Rx operation preference for FR2	38.306 4.2.7.10	Rel-18	pc_multiRxPreferenceIndication_r18	No		It is only supported for power class 3.

210	Indicates whether the UE supports simultaneous reception of CSI-RS for layer 1 measurement and PDSCH with different QCL Type-D on overlapping OFDM symbols and simultaneous layer 1 measurement of CSI-RS overlapping with another CSI-RS with different QCL Type-D on overlapping OFDM symbol(s).	38.306 4.2.7.6	Rel-18	pc_schedulingMeasurementRelaxation_r18	No		A UE supporting this feature shall also indicate support of simultaneousReceptionDiffTypeD-r16, mTRP-GroupBasedL1-RSRP-r17, and at least one of multiDCI-MultiTRP-r16, singleDCI-SDM-scheme-r16, supportFDM-SchemeA-r16 and supportFDM-SchemeB-r16 It can be supported for PC3 only
211	Indicates whether the UE supports beam sweeping factor reduction for SSB-based layer-1 measurement for activated serving cell when the UE is in multi-Rx operation.	38.306 4.2.7.2	Rel-18	pc_fastBeamSweepingMultiRx_r18	No		It is only supported for power class 3
212	Indicates whether the UE supports neighboring LTE cell CRS-IM in DSS scenario with NR 15 kHz SCS	38.306 4.2.7.6	Rel-17	pc_crs_IM_DSS_15kHzSCS_r17	No		FR1 only UE can indicate support of this capability on the CC(s) in a band only if the UE indicates support of rateMatchingLTE-CRS on that band.
213	Indicates whether the UE supports neighboring LTE cell CRS-IM in non-DSS and 15 kHz NR SCS scenario, without the assistance of network signalling on LTE channel bandwidth.	38.306 4.2.7.6	Rel-17	pc_crs_IM_nonDSS_15kHzSCS_r17	No		FR1 only
214	Indicates whether the UE supports neighboring LTE cell CRS-IM in non-DSS and 15 kHz NR SCS scenario, with the assistance of network signalling on LTE channel bandwidth.	38.306 4.2.7.6	Rel-17	pc_crs_IM_nonDSS_NWA_15kHzSCS_r17	No		FR1 only

215	Indicates whether the UE supports neighboring LTE cell CRS-IM in non-DSS and 30 kHz NR SCS scenario, without the assistance of network signalling on LTE channel bandwidth.	38.306 4.2.7.6	Rel-17	pc_crs_IM_nonDSS_30kHzSCS_r17	No		FR1 only
216	Indicates whether the UE supports neighboring LTE cell CRS-IM in non-DSS and 30 kHz NR SCS scenario, with the assistance of network signalling on LTE channel bandwidth.	38.306 4.2.7.6	Rel-17	pc_crs_IM_nonDSS_NWA_30kHzSCS_r17	No		FR1 only
217	Indicates whether the UE supports multiplexing of the unused transmission occasions UCI (UTO-UCI) on a CG-PUSCH.	38.306 4.2.7.2	Rel-18	pc_cg_PUSCH_UTO_UCI_Ind_r18	No		UE supporting this feature shall also indicate support of at least one of configuredUL-GrantType1, configuredUL-GrantType1-v1650, configuredUL-GrantType2, configuredUL-GrantType2-v1650.
218	Indicates whether the UE supports spatial domain adaptation with CSI feedback based on CSI report sub-configuration(s) for periodic CSI reporting and single-panel type 1 codebook.	38.306 4.2.7.2	Rel-18	pc_spatialAdaptation_CSI_Feedback_r18	No		A UE reports sdType1 or both. A UE supporting of this feature shall also indicate support of csi-ReportFramework and spatialAdaptation-CSI-FeedbackPerB C-r18.
219	Indicates whether the UE supports power domain adaptation with CSI feedback based on CSI report sub-configuration(s) for periodic CSI reporting and single-panel type 1 codebook.	38.306 4.2.7.2	Rel-18	pc_powerAdaptation_CSI_FeedbackPUCCH_r18	No		A UE supporting of this feature shall also indicate support of csi-ReportFramework and powerAdaptation-CSI-FeedbackPerB C-r18.

220	Support of DM-RS bundling for PUSCH over consecutive slots in NGSO scenarios and pre-compensation to keep phase rotation due to timing drift within the phase difference limit.	38.306 4.2.7	Rel-18	pc_ntn_DMRS_BundlingNGSO_r18	No		A UE supporting this feature shall indicate support of uplinkPreCompensation-r17 and at least one of dmrs-BundlingPUSCH-RepTypeA-r17, dmrs-BundlingPUSCH-RepTypeB-r17 or dmrs-BundlingPUSCH-RepTypeC-r17.
221	Indicates whether the UE supports unified TCI with separate DL/UL TCI update for single-DCI based intra-cell multi-TRP with single activated TCI codepoint per CC.	38.306, 4.2.7.2	Rel-18	pc_tci_SeparateTCI_UpdateSingleActiveTCI_PerCC_r18	No		
222	Indicates whether UE supports increase in maximum output power above the power class indication for inter-band UL CA and NR-DC band combinations as defined in clause 6.2A of TS 38.101-1 [23].	38.306 4.2.7.4	Rel-17	pc_higherPowerLimit_r17	No		Only applicable to FR1
223	Indicates whether UE supports increase in maximum output power above the power class indication for inter-band UL (NG)EN-DC band combinations as defined in clause 6.2B of TS 38.101-3 [25].	38.306 4.2.7.9	Rel-17	pc_higherPowerLimitMRDC_r17	No		Only applicable to FR1
224	Indicates the maximal supported HARQ process numbers for UL and for DL respectively. For each value of max-HARQ-ProcessNumber-r17, value u16d32 indicates the maximal supported HARQ process number is 16 for UL and 32 for DL, value u32d16 indicates the maximal supported HARQ process number is 32 for UL and 16 for DL, value u32d32 indicates the maximal supported HARQ process number is 32 for UL and 32 for DL	38.306 4.2.7.2	Rel-17	pc_max_HARQ_ProcessNumber_r17	No		This field is only applicable for NR-NTN bands and HAPS operation bands
225	Void						
226	Indicates whether the UE supports simultaneous reception with different QCL Type D reference signal	38.306, 4.2.7.2	Rel-16	pc_simultaneousReceptionDiffTypeD_r16	No		FR2 only

227	Indicates whether the UE supports the group based L1-RSRP reporting enhancements.	38.306, 4.2.7.2	Rel-17	pc_mTRP_GroupBasedL1_RSRP_r17	No		
228	Indicates the maximal number of PDSCH scrambling sequences per serving cell when the UE supports PDSCHs with fully overlapping Resource Elements. The UE that indicates support of this feature shall support multiDCI-MultiTRP-r16	38.306 4.2.7.2	Rel-16	pc_overlapPDSCHsFullyFreqTime_r16	No		Note: A UE may assume that its maximum receive timing difference between the DL transmissions from two TRPs is within a Cyclic Prefix
229	Indicates whether the UE supports PDSCHs with partially overlapping Resource Elements	38.306 4.2.7.2	Rel-16	pc_overlapPDSCHsInTimePartiallyFreq_r16	No		The UE that indicates support of this feature shall support overlapPDSCHsFullyFreqTime-r16
230	Indicates whether the UE supports up to 12 configured/active configured grant configurations in a BWP of a serving cell.	38.306 4.2.7.2	Rel-16	pc_activeConfiguredGrant_r16	No		A UE supporting this feature shall also indicate support of either configuredUL-GrantType1 or configuredUL-GrantType1-v1650 or configuredUL-GrantType2 or configuredUL-GrantType2-v1650.
231	Indicates whether the UE supports SCell without SS/PBCH block for inter-band CA.	38.306 4.2.7.5	Rel-18	pc_scellWithoutSSB_InterBandCA_r18	No		FR1 only. For supportOfSingleGroup, UE should indicate 'both' for two bands or indicate 'referenceBand' for one band and indicate 'scellWithoutSSB' for the other band.
232	Indicates the UE support of the maximum number of SRS resources in one SRS resource set with usage set to 'codebook' for uplink full power Mode 2 operation.	38.306 4.2.7.7	Rel-16	pc_ul_FullPwrMode2_MaxSRS_ResInSet_r16	No		
233	Indicates the UE supported TPMI group(s) which delivers full power	38.306 4.2.7.7	Rel-16	pc_ul_FullPwrMode2_TPMI_Group_r16	No		UE indicates support of this feature shall also indicate support of ul-FullPwrMode2-MaxSRS-ResInSet.

234	Support of PUCCH Msg4 HARQ-ACK repetition	38.306 5.4	Rel-18	pc_msg4_harq_Repetition_r18	No		
235	Support reporting of information related to TA pre-compensation for ATG	38.306 4.2.7.10	Rel-18	pc_uplinkTA_ReportingATG_r18	No		The UE indicating support of this feature shall also indicate support of uplinkPreCompensationATG-r18
236	Indicates whether the UE supports spatial domain adaptation with CSI feedback based on CSI report sub-configuration(s) for aperiodic CSI reporting and single-panel type 1 codebook	38.306 4.2.7.2	Rel-18	pc_spatialAdaptation_CSI_FeedbackAperiodic_r18	No		A UE reports sdType2 or both. A UE indicating support of this feature shall also indicate support of csi-ReportFramework and spatialAdaptation-CSI-FeedbackAperiodicPerBC-r18
237	Support of ΔPPowerClass /ΔPPowerClass, CA/ΔPPowerClass, EN-DC/ΔPPowerClass, NR-DC reporting which is triggered upon uplink duty cycle exceedance or upon return to the power class after the duty cycle exceedance, as specified in TS 38.101-1 [2] and TS 38.101-3 [4]	38.306 4.2.7.10	Rel-18	pc_deltaPowerClassReporting_r18	No		
238	Support reporting of power headroom information for an assumed PUSCH using target waveform different from waveform of actual PUSCH	38.306 4.2.7.2	Rel-18	pc_dynamicWaveformSwitchPHR_r18	No		
239	Indicates whether the UE supports co-scheduled cell indication scheme based on Scheduled cells indicator field of DCI format 0_3	38.306, 4.2.7.4 38.331 6.3.3	Rel-18	pc_coScheduledCellIndicationScheme_r18_SchedCellInd_DCI_0_3	No		
240	Indicates whether the UE supports unified TCI with joint DL/UL TCI update for multi-DCI based multi-TRP with single activated TCI codepoint per CORESETPoolIndex per CC	38.306, 4.2.7.2	Rel-18	pc_tci_JointTCI_UpdateSingleActiveTCI_PerCC_PerCORESET_r18	No		A UE supporting this feature shall also indicate support of unifiedJointTCI-r17
241	Indicates whether the UE supports Unified TCI with joint DL/UL TCI update for single-DCI based intra-cell multi-TRP with single activated TCI codepoint per CC	38.306, 4.2.7.2	Rel-18	pc_tci_JointTCI_UpdateSingleActiveTCI_PerCC_r18	No		A UE supporting this feature shall also indicate support of unifiedJointTCI-r17

242	Support of type I codebook with at least 16 ports per CSI-RS resource	38.306, 4.2.7.2	Rel-16	pc_typeI_codebook_with_16_ports	No		Applicable for UE support at least 16 ports per CSI-RS resource based on 38.306 IE maxNumberTxPortsPerResource under CodebookParameters Type1 and maxConfigNumberPortsAcrossNZP-CSI-RS-PerCC under csi-RS-IM-ReceptionForFeedback
243	Support of type I codebook with at least 32 ports per CSI-RS resource	38.306, 4.2.7.2	Rel-16	pc_typeI_codebook_with_32_ports	No		Applicable for UE support at least 32 ports per CSI-RS resource based on 38.306 IE maxNumberTxPortsPerResource under CodebookParameters Type1 and maxConfigNumberPortsAcrossNZP-CSI-RS-PerCC under csi-RS-IM-ReceptionForFeedback
244	Supports dynamic waveform switching for DCI format 0_1/0_2 when configured with only 1 UL carrier in the band	38.306 4.2.7.2	Rel-18	pc_dynamicWaveformSwitch_r18	No		
245	Support of measurement validation and report based on EMR measurement during connection setup/resume for fast CA/DC setup	38.306 4.2.7.2	Rel-18	pc_measValidationReportEMR_r18	No		
246	Support of of measurement validation based on reselection measurements during IDLE/INACTIVE state and reporting for fast CA/DC setup	38.306 4.2.7.2	Rel-18	Pc_measValidationReportReselectionMeasurements_r18	No		

Table A.4.3.2-2: UE Physical Layer Baseline Implementation Capabilities for Shared Spectrum

Item	UE Physical Layer Baseline Implementation Capabilities	Ref.	Release	Mnemonic	M	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Comments
1	Support of NR CA with NR shared spectrum channel access	38.306, 4.2.7.2a	Rel-16	pc_NRCASharedAccess	No		Deployment scenario A in Annex B.3 of TS 38.300 [21]
2	Support of EN-DC with NR shared spectrum channel access	38.306, 4.2.7.2a	Rel-16	pc_ENDCNRSharedAccess	No		Deployment scenario B in Annex B.3 of TS 38.300 [21]
3	Support of NR standalone shared spectrum channel access	38.306, 4.2.7.2a	Rel-16	pc_standaloneNRSharedAccess	No		Deployment scenario C in Annex B.3 of TS 38.300 [21]
4	Support of NR shared spectrum channel access with UL in licensed band	38.306, 4.2.7.2a	Rel-16	pc_NRSharedAccessUILic	No		Deployment scenario D in Annex B.3 of TS 38.300 [21]
5	Support of NR-DC with NR shared spectrum channel access	38.306, 4.2.7.2a	Rel-16	pc_NRDCSharedAccess	No		Deployment scenario E in Annex B.3 of TS 38.300 [21]
6	Support of MIB acquisition on shared spectrum PSCell	38.306, 4.2.7.2a	Rel-16	pc_mib_Acquisition_r16	No		
7	Support of SIB1 acquisition for shared spectrum PCell	38.306, 4.2.7.2a	Rel-16	pc_sib1_Acquisition_r16	No		
8	Support of UL on dynamic channel access	38.306, 4.2.7.2a	Rel-16	pc_ul_DynamicChAccess_r16	No		
9	Support of UL on semi-static channel access	38.306, 4.2.7.2a	Rel-16	pc_ul_Semi_StaticChAccess_r16	No		
10	Support of SSB-based RRM for dynamic channel access	38.306, 4.2.7.2a	Rel-16	pc_ssb_RRM_DynamicChAccess_r16	No		
11	Support of SSB-based RRM for semi-static channel access	38.306, 4.2.7.2a	Rel-16	pc_ssb_RRM_Semi_StaticChAccess_r16	No		
12	Support of SSB-based RLM on dynamic channel access	38.306, 4.2.7.2a	Rel-16	pc_ssb_RLM_DynamicChAccess_r16	No		
13	Support of SSB-based RLM on semi-static channel access	38.306, 4.2.7.2a	Rel-16	pc_ssb_RLM_Semi_StaticChAccess_r16	No		
14	Support of SSB-based BFD and CBD for dynamic channel access	38.306, 4.2.7.2a	Rel-16	pc_ssb_BFD_CBD_dynamicChannelAccess_r16	No		
15	Support of SSB-based BFD and CBD for semi-static channel access	38.306, 4.2.7.2a	Rel-16	pc_ssb_BFD_CBD_semi_staticChannelAccess_r16	No		
16	Support of CSI-RS-based RLM for shared spectrum	38.306, 4.2.7.2a	Rel-16	pc_csi_RS_RLM_r16	No		
17	Support of CSI-RS-based BFD and CBD for shared spectrum	38.306, 4.2.7.2a	Rel-16	pc_csi_RS_BFD_CBD_r16	No		
18	Support of CSI-RS based CFRA for shared spectrum	38.306, 4.2.7.2a	Rel-16	pc_csi_RS_CFRA_ForHO_r16	No		
19	Support of RSSI measurements and channel occupancy measurement reporting	38.306, 4.2.7.2a	Rel-16	pc_rssi_ChannelOccupancyReporting_r16	No		
20	Support of SS-SINR measurements in shared spectrum	38.306, 4.2.7.14	Rel-16	pc_ss_SINR_Meas_r16	No		

A.4.3.2A NR CA Physical Layer Baseline Implementation Capabilities

NOTE: See Annex B for status of completed NR CA configurations and power classes in this version of 3GPP UE conformance test specifications.

A.4.3.2A.1 General NR CA capabilities

Table A.4.3.2A.1-1: Downlink NR CA capabilities (for one or more of the supported NR CA configurations)

Item	DL NR CA capability	Ref.	Mnemonic	Comments
1	DL NR CA with 2 carriers	38.101-1, 5.3A 38.101-2, 5.3A 38.101-3, 5.3A	pc_DL_NR_CA_2CC	
2	DL NR CA with 3 carriers	38.101-1, 5.3A 38.101-2, 5.3A 38.101-3, 5.3A	pc_DL_NR_CA_3CC	
3	DL NR CA with 4 carriers	38.101-1, 5.3A 38.101-2, 5.3A 38.101-3, 5.3A	pc_DL_NR_CA_4CC	
4	DL NR CA with 5 carriers	38.101-1, 5.3A 38.101-2, 5.3A 38.101-3, 5.3A	pc_DL_NR_CA_5CC	
5	DL NR CA with 6 carriers	38.101-1, 5.3A 38.101-2, 5.3A 38.101-3, 5.3A	pc_DL_NR_CA_6CC	
6	DL NR CA with 7 carriers	38.101-1, 5.3A 38.101-2, 5.3A 38.101-3, 5.3A	pc_DL_NR_CA_7CC	
7	DL NR CA with 8 carriers	38.101-1, 5.3A 38.101-2, 5.3A 38.101-3, 5.3A	pc_DL_NR_CA_8CC	

Table A.4.3.2A.1-2: Uplink NR CA capabilities (for one or more of the supported NR CA configurations)

Item	UL NR CA capability	Ref.	Mnemonic	Comments
1	UL NR CA with 2 carriers	38.101-1, 5.3A 38.101-2, 5.3A 38.101-3, 5.3A	pc_UL_NR_CA_2CC	
2	UL NR CA with 3 carriers	38.101-1, 5.3A 38.101-2, 5.3A 38.101-3, 5.3A	pc_UL_NR_CA_3CC	
3	UL NR CA with 4 carriers	38.101-1, 5.3A 38.101-2, 5.3A 38.101-3, 5.3A	pc_UL_NR_CA_4CC	
4	UL NR CA with 5 carriers	38.101-2, 5.3A 38.101-3, 5.3A	pc_UL_NR_CA_5CC	
5	UL NR CA with 6 carriers	38.101-2, 5.3A 38.101-3, 5.3A	pc_UL_NR_CA_6CC	
6	UL NR CA with 7 carriers	38.101-2, 5.3A 38.101-3, 5.3A	pc_UL_NR_CA_7CC	
7	UL NR CA with 8 carriers	38.101-2, 5.3A 38.101-3, 5.3A	pc_UL_NR_CA_8CC	

A.4.3.2A.2 NR Intra-band contiguous CA

A.4.3.2A.2.1 NR Intra-band contiguous CA within FR1

Table A.4.3.2A.2.1-1: Downlink Bandwidth Class capabilities for NR Intra-band contiguous CA configurations within FR1 (for one or more of the supported configurations in Table A.4.3.2A.2.1-3)

Item	DL NR FR1 Intra-band contiguous CA Bandwidth Class	Ref.	Mnemonic	Comments
1	DL NR FR1 Intra-band contiguous CA BW Class A	38.101-1, 5.3A.5	pc_DL_intra_contiguous_CA_NR_FR1_Class_A	
2	DL NR FR1 Intra-band contiguous CA BW Class B	38.101-1, 5.3A.5	pc_DL_intra_contiguous_CA_NR_FR1_Class_B	
3	DL NR FR1 Intra-band contiguous CA BW Class C	38.101-1, 5.3A.5	pc_DL_intra_contiguous_CA_NR_FR1_Class_C	
4	DL NR FR1 Intra-band contiguous CA BW Class D	38.101-1, 5.3A.5	pc_DL_intra_contiguous_CA_NR_FR1_Class_D	
5	DL NR FR1 Intra-band contiguous CA BW Class E	38.101-1, 5.3A.5	pc_DL_intra_contiguous_CA_NR_FR1_Class_E	
6	Void	Void	Void	
7	DL NR FR1 Intra-band contiguous CA BW Class G	38.101-1, 5.3A.5	pc_DL_intra_contiguous_CA_NR_FR1_Class_G	
8	DL NR FR1 Intra-band contiguous CA BW Class H	38.101-1, 5.3A.5	pc_DL_intra_contiguous_CA_NR_FR1_Class_H	
9	DL NR FR1 Intra-band contiguous CA BW Class I	38.101-1, 5.3A.5	pc_DL_intra_contiguous_CA_NR_FR1_Class_I	
10	DL NR FR1 Intra-band contiguous CA BW Class J	38.101-1, 5.3A.5	pc_DL_intra_contiguous_CA_NR_FR1_Class_J	
11	DL NR FR1 Intra-band contiguous CA BW Class K	38.101-1, 5.3A.5	pc_DL_intra_contiguous_CA_NR_FR1_Class_K	
12	DL NR FR1 Intra-band contiguous CA BW Class L	38.101-1, 5.3A.5	pc_DL_intra_contiguous_CA_NR_FR1_Class_L	
13	DL NR FR1 Intra-band contiguous CA BW Class M	38.101-1, 5.3A.5	pc_DL_intra_contiguous_CA_NR_FR1_Class_M	
14	DL NR FR1 Intra-band contiguous CA BW Class N	38.101-1, 5.3A.5	pc_DL_intra_contiguous_CA_NR_FR1_Class_N	
15	DL NR FR1 Intra-band contiguous CA BW Class O	38.101-1, 5.3A.5	pc_DL_intra_contiguous_CA_NR_FR1_Class_O	

Table A.4.3.2A.2.1-2: Uplink Bandwidth Class capabilities for NR Intra-band contiguous CA configurations within FR1 (for one or more of the supported configurations in Table A.4.3.2A.2.1-3)

Item	UL NR FR1 Intra-band contiguous CA Bandwidth Class	Ref.	Mnemonic	Comments
1	UL NR FR1 Intra-band contiguous CA BW Class A	38.101-1, 5.3A.5	pc_UL_intra_contiguous_CA_NR_FR1_Class_A	
2	UL NR FR1 Intra-band contiguous CA BW Class B	38.101-1, 5.3A.5	pc_UL_intra_contiguous_CA_NR_FR1_Class_B	
3	UL NR FR1 Intra-band contiguous CA BW Class C	38.101-1, 5.3A.5	pc_UL_intra_contiguous_CA_NR_FR1_Class_C	
4-12	Void			

Table A.4.3.2A.2.1-3: Supported configurations for NR Intra-band contiguous CA within FR1

NR FR1 Intra-band contiguous CA configuration / Item (Note 1, 7)	Release	Supported	Supported CA Bandwidth Class(es) in UL (Note 2,5)	Supported Bandwidth Combination Set(s) (Note 3)
CA_n1B	Rel-16			
CA_n5B	Rel-17			
CA_n41C	Rel-15			
CA_n48B	Rel-16			
CA_n48C	Rel-16			
CA_n66B (Note 6)	Rel-16			
CA_n77C	Rel-15			
CA_n78B	Rel-16			
CA_n78C	Rel-15			
CA_n79C	Rel-15			
Note 1: Notation used for intra-band contiguous CA Bands is according to TS 38.101-1 [23] Table 5.5A.1-1, e.g. 'CA_n77C' indicates CA operation on NR band n77 with DL CA Bandwidth Class C. Note 2: The UL CA capabilities as per Table A.4.3.2A.2.1-2 can be supported on a single band. The UE supplier shall indicate all supported UL CA Bandwidth Class(es), in uplink of the supported CA Band(s), as per TS 38.101-1 [23] Table 5.5A.1-1. For this release of specification valid choices are 'N', 'nXB' and 'nXC', where nX is the NR band. For example, for CA_n1B, 'N' would mean only DL CA, 'n1B' would mean both DL and UL CA. Note 3: The UE supplier shall indicate the supported Bandwidth Combination Set(s) as per TS 38.101-1 [23] Table 5.5A.1-1. Note 4: Void. Note 5: See UL(<i>table_index</i>) in Note 1 of Table 4.0-3 and UL_nCC(<i>table_index</i>) in Note 2 of Table 4.0-3 in TS 38.522 [9]. Note 6: A UE that supports NR Band n66 (Table A.4.3.1-1) and CA operation in any CA band shall also support the DL CA configurations CA_n66B and CA_n66(2A), as per Note 7, in Table 5.2-1, in TS 38.521-1 [5]. Note 7: See DL_nCC(<i>table_index</i>) in Note 4 of Table 4.0-3 in TS 38.522 [9].				

Table A.4.3.2A.2.1-3a: Supported configurations for NR Intra-band contiguous CA within FR1 with UL MIMO capabilities

NR FR1 Intra-band contiguous CA configuration / Item (Note 1, 6)	Release	Supported	Supported CA Bandwidth Class(es) in UL (Note 2,4)	Supported Bandwidth Combination Set(s) (Note 3)
CA_n41C	Rel-15			
CA_n78C	Rel-15			
Note 1: Notation used for intra-band contiguous CA Bands is according to TS 38.101-1 [23] Table 5.5A.1-1, e.g. 'CA_n77C' indicates CA operation on NR band n77 with DL CA Bandwidth Class C. Note 2: The UL CA capabilities as per Table A.4.3.2A.2.1-2 can be supported on a single band. The UE supplier shall indicate all supported UL CA Bandwidth Class(es), in uplink of the supported CA Band(s), as per TS 38.101-1 [23] Table 5.5A.1-1. For this release of specification valid choices are 'N', 'nXB' and 'nXC', where nX is the NR band. For example, for CA_n1B, 'N' would mean only DL CA, 'n1B' would mean both DL and UL CA. Note 3: The UE supplier shall indicate the supported Bandwidth Combination Set(s) as per TS 38.101-1 [23] Table 5.5A.1-1. Note 4: See UL(<i>table_index</i>) in Note 1 of Table 4.0-3 and UL_nCC(<i>table_index</i>) in Note 2 of Table 4.0-3 in TS 38.522 [9]. Note 5: A UE that supports NR Band n66 (Table A.4.3.1-1) and CA operation in any CA band shall also support the DL CA configurations CA_n66B and CA_n66(2A), as per Note 7, in Table 5.2-1, in TS 38.521-1 [5]. Note 6: See DL_nCC(<i>table_index</i>) in Note 4 of Table 4.0-3 in TS 38.522 [9].				

Table A.4.3.2A.2.1-4: Intra-band contiguous CA PC2 UE RF Baseline Implementation Capabilities

Item	Intra-band contiguous CA PC2 UE RF Baseline Implementation Capabilities	Ref.	Release	Mnemonic	Comments
1	NR Frequency band: 2496-2690 MHz	38.101-1, 6.2A.1	Rel-17	pc_nrBand41_C_PC2_Su pp	CA_n41C
2	NR Frequency band: 3300-3800 MHz	38.101-1, 6.2A.1	Rel-17	pc_nrBand78_C_PC2_Su pp	CA_n78C

Table A.4.3.2A.2.1-5: Intra-band contiguous CA PC1.5 UE RF Baseline Implementation Capabilities

Item	Intra-band contiguous CA PC2 UE RF Baseline Implementation Capabilities	Ref.	Release	Mnemonic	Comments
1	NR Frequency band: 2496-2690 MHz	38.101-1, 6.2A.1	Rel-17	pc_nrBand41_C_PC1.5_S upp	CA_n41C

A.4.3.2A.2.2 NR Intra-band contiguous CA within FR2

Table A.4.3.2A.2.2-1: Downlink Bandwidth Class capabilities for NR Intra-band contiguous CA configurations within FR2 (for one or more of the supported configurations in Table A.4.3.2A.2.2-3)

Item	DL NR FR2 Intra-band contiguous CA Bandwidth Class	Ref.	Mnemonic	Comments
1	DL NR FR2 Intra-band contiguous CA BW Class A	38.101-2, 5.3A.4	pc_DL_intra_c ontiguous_CA_ NR_FR2_Clas s_A	
2	DL NR FR2 Intra-band contiguous CA BW Class B	38.101-2, 5.3A.4	pc_DL_intra_c ontiguous_CA_ NR_FR2_Clas s_B	
3	DL NR FR2 Intra-band contiguous CA BW Class C	38.101-2, 5.3A.4	pc_DL_intra_c ontiguous_CA_ NR_FR2_Clas s_C	
3a	DL NR FR2 Intra-band contiguous CA BW Class V	38.101-2, 5.3A.4	pc_DL_intra_c ontiguous_CA_ NR_FR2_Clas s_V	
3b	DL NR FR2 Intra-band contiguous CA BW Class W	38.101-2, 5.3A.4	pc_DL_intra_c ontiguous_CA_ NR_FR2_Clas s_W	
4	DL NR FR2 Intra-band contiguous CA BW Class D	38.101-2, 5.3A.4	pc_DL_intra_c ontiguous_CA_ NR_FR2_Clas s_D	
5	DL NR FR2 Intra-band contiguous CA BW Class E	38.101-2, 5.3A.4	pc_DL_intra_c ontiguous_CA_ NR_FR2_Clas s_E	
6	DL NR FR2 Intra-band contiguous CA BW Class F	38.101-2, 5.3A.4	pc_DL_intra_c ontiguous_CA_ NR_FR2_Clas s_F	
6a	DL NR FR2 Intra-band contiguous CA BW Class R	38.101-2, 5.3A.4	pc_DL_intra_c ontiguous_CA_ NR_FR2_Clas s_R	
6b	DL NR FR2 Intra-band contiguous CA BW Class S	38.101-2, 5.3A.4	pc_DL_intra_c ontiguous_CA_ NR_FR2_Clas s_S	
6c	DL NR FR2 Intra-band contiguous CA BW Class T	38.101-2, 5.3A.4	pc_DL_intra_c ontiguous_CA_ NR_FR2_Clas s_T	
6d	DL NR FR2 Intra-band contiguous CA BW Class U	38.101-2, 5.3A.4	pc_DL_intra_c ontiguous_CA_ NR_FR2_Clas s_U	
7	DL NR FR2 Intra-band contiguous CA BW Class G	38.101-2, 5.3A.4	pc_DL_intra_c ontiguous_CA_ NR_FR2_Clas s_G	
8	DL NR FR2 Intra-band contiguous CA BW Class H	38.101-2, 5.3A.4	pc_DL_intra_c ontiguous_CA_ NR_FR2_Clas s_H	
9	DL NR FR2 Intra-band contiguous CA BW Class I	38.101-2, 5.3A.4	pc_DL_intra_c ontiguous_CA_ NR_FR2_Clas s_I	
10	DL NR FR2 Intra-band contiguous CA BW Class J	38.101-2, 5.3A.4	pc_DL_intra_c ontiguous_CA_ NR_FR2_Clas s_J	

11	DL NR FR2 Intra-band contiguous CA BW Class K	38.101-2, 5.3A.4	pc_DL_intra_contiguous_CA_NR_FR2_Class_K	
12	DL NR FR2 Intra-band contiguous CA BW Class L	38.101-2, 5.3A.4	pc_DL_intra_contiguous_CA_NR_FR2_Class_L	
13	DL NR FR2 Intra-band contiguous CA BW Class M	38.101-2, 5.3A.4	pc_DL_intra_contiguous_CA_NR_FR2_Class_M	
14	DL NR FR2 Intra-band contiguous CA BW Class O	38.101-2, 5.3A.4	pc_DL_intra_contiguous_CA_NR_FR2_Class_O	
15	DL NR FR2 Intra-band contiguous CA BW Class P	38.101-2, 5.3A.4	pc_DL_intra_contiguous_CA_NR_FR2_Class_P	
16	DL NR FR2 Intra-band contiguous CA BW Class Q	38.101-2, 5.3A.4	pc_DL_intra_contiguous_CA_NR_FR2_Class_Q	
17	DL NR FR2 Intra-band contiguous CA BW Class R2	38.101-2, 5.3A.4	pc_DL_intra_contiguous_CA_NR_FR2_Class_R2	
18	DL NR FR2 Intra-band contiguous CA BW Class R3	38.101-2, 5.3A.4	pc_DL_intra_contiguous_CA_NR_FR2_Class_R3	
19	DL NR FR2 Intra-band contiguous CA BW Class R4	38.101-2, 5.3A.4	pc_DL_intra_contiguous_CA_NR_FR2_Class_R4	
20	DL NR FR2 Intra-band contiguous CA BW Class R5	38.101-2, 5.3A.4	pc_DL_intra_contiguous_CA_NR_FR2_Class_R5	
21	DL NR FR2 Intra-band contiguous CA BW Class R6	38.101-2, 5.3A.4	pc_DL_intra_contiguous_CA_NR_FR2_Class_R6	
22	DL NR FR2 Intra-band contiguous CA BW Class R7	38.101-2, 5.3A.4	pc_DL_intra_contiguous_CA_NR_FR2_Class_R7	
23	DL NR FR2 Intra-band contiguous CA BW Class R8	38.101-2, 5.3A.4	pc_DL_intra_contiguous_CA_NR_FR2_Class_R8	
24	DL NR FR2 Intra-band contiguous CA BW Class R9	38.101-2, 5.3A.4	pc_DL_intra_contiguous_CA_NR_FR2_Class_R9	
25	DL NR FR2 Intra-band contiguous CA BW Class R10	38.101-2, 5.3A.4	pc_DL_intra_contiguous_CA_NR_FR2_Class_R10	
26	DL NR FR2 Intra-band contiguous CA BW Class R11	38.101-2, 5.3A.4	pc_DL_intra_contiguous_CA_NR_FR2_Class_R11	
27	DL NR FR2 Intra-band contiguous CA BW Class R12	38.101-2, 5.3A.4	pc_DL_intra_contiguous_CA_NR_FR2_Class_R12	

Table A.4.3.2A.2.2-2: Uplink Bandwidth Class capabilities for NR Intra-band contiguous CA configurations within FR2 (for one or more of the supported configurations in Table A.4.3.2A.2.2-3)

Item	UL NR FR2 Intra-band contiguous CA Bandwidth Class	Ref.	Mnemonic	Comments
0	UL NR FR2 Intra-band contiguous CA BW Class A	38.101-2, 5.3A.4	pc_UL_intra_contiguous_CA_NR_FR2_Class_A	
1	UL NR FR2 Intra-band contiguous CA BW Class B	38.101-2, 5.3A.4	pc_UL_intra_contiguous_CA_NR_FR2_Class_B	
2	UL NR FR2 Intra-band contiguous CA BW Class C	38.101-2, 5.3A.4	pc_UL_intra_contiguous_CA_NR_FR2_Class_C	
2a	UL NR FR2 Intra-band contiguous CA BW Class V	38.101-2, 5.3A.4	pc_UL_intra_contiguous_CA_NR_FR2_Class_V	
2b	UL NR FR2 Intra-band contiguous CA BW Class W	38.101-2, 5.3A.4	pc_UL_intra_contiguous_CA_NR_FR2_Class_W	
3	UL NR FR2 Intra-band contiguous CA BW Class D	38.101-2, 5.3A.4	pc_UL_intra_contiguous_CA_NR_FR2_Class_D	
4	UL NR FR2 Intra-band contiguous CA BW Class E	38.101-2, 5.3A.4	pc_UL_intra_contiguous_CA_NR_FR2_Class_E	
5	UL NR FR2 Intra-band contiguous CA BW Class F	38.101-2, 5.3A.4	pc_UL_intra_contiguous_CA_NR_FR2_Class_F	
5a	UL NR FR2 Intra-band contiguous CA BW Class R	38.101-2, 5.3A.4	pc_UL_intra_contiguous_CA_NR_FR2_Class_R	
5b	UL NR FR2 Intra-band contiguous CA BW Class S	38.101-2, 5.3A.4	pc_UL_intra_contiguous_CA_NR_FR2_Class_S	
5c	UL NR FR2 Intra-band contiguous CA BW Class T	38.101-2, 5.3A.4	pc_UL_intra_contiguous_CA_NR_FR2_Class_T	
5d	UL NR FR2 Intra-band contiguous CA BW Class U	38.101-2, 5.3A.4	pc_UL_intra_contiguous_CA_NR_FR2_Class_U	
6	UL NR FR2 Intra-band contiguous CA BW Class G	38.101-2, 5.3A.4	pc_UL_intra_contiguous_CA_NR_FR2_Class_G	
7	UL NR FR2 Intra-band contiguous CA BW Class H	38.101-2, 5.3A.4	pc_UL_intra_contiguous_CA_NR_FR2_Class_H	
8	UL NR FR2 Intra-band contiguous CA BW Class I	38.101-2, 5.3A.4	pc_UL_intra_contiguous_CA_NR_FR2_Class_I	
9	UL NR FR2 Intra-band contiguous CA BW Class J	38.101-2, 5.3A.4	pc_UL_intra_contiguous_CA_NR_FR2_Class_J	
10	UL NR FR2 Intra-band contiguous CA BW Class K	38.101-2, 5.3A.4	pc_UL_intra_contiguous_CA_NR_FR2_Class_K	
11	UL NR FR2 Intra-band contiguous CA BW Class L	38.101-2, 5.3A.4	pc_UL_intra_contiguous_CA_NR_FR2_Class_L	
12	UL NR FR2 Intra-band contiguous CA BW Class M	38.101-2, 5.3A.4	pc_UL_intra_contiguous_CA_NR_FR2_Class_M	
13	UL NR FR2 Intra-band contiguous CA BW Class O	38.101-2, 5.3A.4	pc_UL_intra_contiguous_CA_NR_FR2_Class_O	
14	UL NR FR2 Intra-band contiguous CA BW Class P	38.101-2, 5.3A.4	pc_UL_intra_contiguous_CA_NR_FR2_Class_P	

15	UL NR FR2 Intra-band contiguous CA BW Class Q	38.101-2, 5.3A.4	pc_UL_intra_contiguous_CA_NR_FR2_Class_Q	
16	UL NR FR2 Intra-band contiguous CA BW Class R2	38.101-2, 5.3A.4	pc_UL_intra_contiguous_CA_NR_FR2_Class_R2	
17	UL NR FR2 Intra-band contiguous CA BW Class R3	38.101-2, 5.3A.4	pc_UL_intra_contiguous_CA_NR_FR2_Class_R3	
18	UL NR FR2 Intra-band contiguous CA BW Class R4	38.101-2, 5.3A.4	pc_UL_intra_contiguous_CA_NR_FR2_Class_R4	
19	UL NR FR2 Intra-band contiguous CA BW Class R5	38.101-2, 5.3A.4	pc_UL_intra_contiguous_CA_NR_FR2_Class_R5	
20	UL NR FR2 Intra-band contiguous CA BW Class R6	38.101-2, 5.3A.4	pc_UL_intra_contiguous_CA_NR_FR2_Class_R6	
21	UL NR FR2 Intra-band contiguous CA BW Class R7	38.101-2, 5.3A.4	pc_UL_intra_contiguous_CA_NR_FR2_Class_R7	
22	UL NR FR2 Intra-band contiguous CA BW Class R8	38.101-2, 5.3A.4	pc_UL_intra_contiguous_CA_NR_FR2_Class_R8	
23	UL NR FR2 Intra-band contiguous CA BW Class R9	38.101-2, 5.3A.4	pc_UL_intra_contiguous_CA_NR_FR2_Class_R9	
24	UL NR FR2 Intra-band contiguous CA BW Class R10	38.101-2, 5.3A.4	pc_UL_intra_contiguous_CA_NR_FR2_Class_R10	
25	UL NR FR2 Intra-band contiguous CA BW Class R11	38.101-2, 5.3A.4	pc_UL_intra_contiguous_CA_NR_FR2_Class_R11	
26	UL NR FR2 Intra-band contiguous CA BW Class R12	38.101-2, 5.3A.4	pc_UL_intra_contiguous_CA_NR_FR2_Class_R12	

Table A.4.3.2A.2.2-3: Supported configurations for NR Intra-band contiguous CA within FR2

NR FR2 Intra-band contiguous CA configuration / Item (Note 1, 6)	Release	Supported	Supported CA Bandwidth Class(es) in UL (Note 2,5)	Supported Bandwidth Combination Set(s) (Note 3)
CA_n257G	Rel-15			
CA_n257H	Rel-15			
CA_n257I	Rel-15			
CA_n258B	Rel-16			
CA_n258C	Rel-16			
CA_n258D	Rel-16			
CA_n258E	Rel-16			
CA_n258F	Rel-16			
CA_n258G	Rel-16			
CA_n258H	Rel-16			
CA_n258I	Rel-16			
CA_n258J	Rel-16			
CA_n258K	Rel-16			
CA_n258L	Rel-16			
CA_n258M	Rel-16			
CA_n260G	Rel-15			
CA_n260H	Rel-15			
CA_n260I	Rel-15			
CA_n260J	Rel-15			
CA_n260K	Rel-15			
CA_n260L	Rel-15			
CA_n260M	Rel-15			
CA_n261G	Rel-15			
CA_n261H	Rel-15			
CA_n261I	Rel-15			
CA_n261J	Rel-15			
CA_n261K	Rel-15			
CA_n261L	Rel-15			
CA_n261M	Rel-15			
Note 1: Notation used for intra-band contiguous CA Bands is according to TS 38.101-2 [24] Table 5.5A.1-1, e.g. 'CA_n257C' indicates CA operation on NR band n257 with DL CA Bandwidth Class C. Note 2: The UL CA capabilities as per Table A.4.3.2A.2.2-2 can be supported on a single band. The UE supplier shall indicate all supported UL CA Bandwidth Class(es), in uplink of the supported CA Band(s), as per TS 38.101-2 [24] Table 5.5A.1-1. For this release of specification valid choices are 'N', 'nXB' ~ 'nXM' and 'nXO' ~ 'nXQ', where nX is the NR band. For example, for CA_n257C, 'N' would mean only DL CA, 'n257C' would mean both DL and UL CA operation on NR band n257 with CA Bandwidth Class C. Note 3: The UE supplier shall indicate the supported Bandwidth Combination Set(s) as per TS 38.101-2 [24] Table 5.5A.1-1. Note 4: Void. Note 5: See UL(<i>table_index</i>) in Note 1 of Table 4.0-3 and UL_nCC(<i>table_index</i>) in Note 2 of Table 4.0-3 in TS 38.522 [9]. Note 6: See DL_nCC(<i>table_index</i>) in Note 4 of Table 4.0-3 in TS 38.522 [9].				

A.4.3.2A.3 NR Intra-band non-contiguous CA

A.4.3.2A.3.1 NR Intra-band non-contiguous CA within FR1

Table A.4.3.2A.3.1-1: Downlink Bandwidth Class capabilities for NR Intra-band non-contiguous CA configurations within FR1 (for one or more of the supported configurations in Table A.4.3.2A.3.1-3)

Item	DL NR FR1 Intra-band non-contiguous CA Bandwidth Class	Ref.	Mnemonic	Comments
1	DL NR FR1 Intra-band non-contiguous CA BW Class Combination (2A)	38.101-1, 5.3A.5	pc_DL_intra_n on_contiguous _CA_NR_FR1 _Class_(2A)	
2	DL NR FR1 Intra-band non-contiguous CA BW Class Combination (3A)	38.101-1, 5.3A.5	pc_DL_intra_n on_contiguous _CA_NR_FR1 _Class_(3A)	
3	DL NR FR1 Intra-band non-contiguous CA BW Class Combination (4A)	38.101-1, 5.3A.5	pc_DL_intra_n on_contiguous _CA_NR_FR1 _Class_(4A)	

Table A.4.3.2A.3.1-1a: Downlink Bandwidth Class capabilities for NR mixed Intra-band contiguous and non-contiguous CA configurations within FR1 (for one or more of the supported configurations in Table A.4.3.2A.3.1-3a)

Item	DL NR FR1 mixed Intra-band contiguous and non-contiguous CA Bandwidth Class	Ref.	Mnemonic	Comments
1	DL NR FR1 mixed Intra-band contiguous and non-contiguous CA BW Class Combination (A-B)	38.101-1, 5.3A.5	pc_DL_intra_c ontiguous_non _contiguous_C A_NR_FR1_Cl ass_(A-B)	
2	DL NR FR1 mixed Intra-band contiguous and non-contiguous CA BW Class Combination (A-C)	38.101-1, 5.3A.5	pc_DL_intra_c ontiguous_non _contiguous_C A_NR_FR1_Cl ass_(A-C)	

Table A.4.3.2A.3.1-2: Uplink Bandwidth Class capabilities for NR Intra-band non-contiguous CA configurations within FR1 (for one or more of the supported configurations in Table A.4.3.2A.3.1-3)

Item	UL NR FR1 Intra-band non-contiguous CA Bandwidth Class	Ref.	Mnemonic	Comments
1	UL NR FR1 Intra-band non-contiguous CA BW Class Combination (2A)	38.101-1, 5.3A.5	pc_UL_intra_n on_contiguous _CA_NR_FR1 _Class_(2A)	

Table A.4.3.2A.3.1-2a: Uplink Bandwidth Class capabilities for NR mixed Intra-band contiguous and non-contiguous CA configurations within FR1 (for one or more of the supported configurations in Table A.4.3.2A.3.1-3a)

Item	UL NR FR1 mixed Intra-band contiguous and non-contiguous CA Bandwidth Class	Ref.	Mnemonic	Comments
1	UL NR FR1 mixed Intra-band contiguous and non-contiguous CA BW Class Combination (B)	38.101-1, 5.3A.5	pc_UL_intra_contiguous_non_contiguous_CA_NR_FR1_Class (B)	

Table A.4.3.2A.3.1-3: Supported configurations for NR Intra-band non-contiguous CA within FR1

NR FR1 Intra-band non-contiguous CA configuration / Item (Note 5)	Release	Supported	Supported CA Bandwidth Class(es) in UL (Note 3)	Supported Bandwidth Combination Set(s) (Note 1)
CA_n2(2A)	Rel-17			
CA_n48(2A)	Rel-16			
CA_n66(2A) (Note 4)	Rel-16			
CA_n66(3A)	Rel-17			
CA_n71(2A)	Rel-17			
CA_n77(2A)	Rel-17			
CA_n78(2A)	Rel-17			
Note 1: The UE supplier shall indicate the supported Bandwidth Combination Set(s) as per TS 38.101-1 [23] Table 5.5A.2-1. Note 2: Void. Note 3: See UL(<i>table_index</i>) in Note 1 of Table 4.0-3 and UL_nCC(<i>table_index</i>) in Note 2 of Table 4.0-3 in TS 38.522 [9]. Note 4: A UE that supports NR Band n66 (Table A.4.3.1-1) and CA operation in any CA band shall also support the DL CA configurations CA_n66B and CA_n66(2A), as per Note 7, in Table 5.2-1, in TS 38.521-1 [5]. Note 5: See DL_nCC(<i>table_index</i>) in Note 4 of Table 4.0-3 in TS 38.522 [9].				

Table A.4.3.2A.3.1-3a: Supported configurations for NR mixed Intra-band contiguous and non-contiguous CA within FR1

NR FR1 mixed Intra-band contiguous and non-contiguous CA configuration / Item	Release	Supported	Supported CA Bandwidth Class(es) in UL (Note 3)	Supported Bandwidth Combination Set(s) (Note 1)
TBD				

A.4.3.2A.3.2 NR Intra-band non-contiguous CA within FR2

Table A.4.3.2A.3.2-1: Downlink Bandwidth Class capabilities with single bandwidth class for NR Intra-band non-contiguous CA configurations within FR2 (for one or more of the supported configurations in Table A.4.3.2A.3.2-3)

Item	DL NR FR2 Intra-band non-contiguous CA Bandwidth Class (with single bandwidth class)	Ref.	Mnemonic	Comments
1	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2A)	38.101-2, 5.3A.4	pc_DL_intra_n on_contiguous _CA_NR_FR2 Class (2A)	
2	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (3A)	38.101-2, 5.3A.4	pc_DL_intra_n on_contiguous _CA_NR_FR2 Class (3A)	
3	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (4A)	38.101-2, 5.3A.4	pc_DL_intra_n on_contiguous _CA_NR_FR2 Class (4A)	
4	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (5A)	38.101-2, 5.3A.4	pc_DL_intra_n on_contiguous _CA_NR_FR2 Class (5A)	
5	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (6A)	38.101-2, 5.3A.4	pc_DL_intra_n on_contiguous _CA_NR_FR2 Class (6A)	
6	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (7A)	38.101-2, 5.3A.4	pc_DL_intra_n on_contiguous _CA_NR_FR2 Class (7A)	
7	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (8A)	38.101-2, 5.3A.4	pc_DL_intra_n on_contiguous _CA_NR_FR2 Class (8A)	
8	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (9A)	38.101-2, 5.3A.4	pc_DL_intra_n on_contiguous _CA_NR_FR2 Class (9A)	
9	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (10A)	38.101-2, 5.3A.4	pc_DL_intra_n on_contiguous _CA_NR_FR2 Class (10A)	
10	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2D)	38.101-2, 5.3A.4	pc_DL_intra_n on_contiguous _CA_NR_FR2 Class (2D)	
11	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2G)	38.101-2, 5.3A.4	pc_DL_intra_n on_contiguous _CA_NR_FR2 Class (2G)	
12	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (3G)	38.101-2, 5.3A.4	pc_DL_intra_n on_contiguous _CA_NR_FR2 Class (3G)	
13	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (4G)	38.101-2, 5.3A.4	pc_DL_intra_n on_contiguous _CA_NR_FR2 Class (4G)	
14	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2H)	38.101-2, 5.3A.4	pc_DL_intra_n on_contiguous _CA_NR_FR2 Class (2H)	
15	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2I)	38.101-2, 5.3A.4	pc_DL_intra_n on_contiguous _CA_NR_FR2 Class (2I)	
16	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2O)	38.101-2, 5.3A.4	pc_DL_intra_n on_contiguous _CA_NR_FR2 Class (2O)	

17	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (3O)	38.101-2, 5.3A.4	pc_DL_intra_n on_contiguous _CA_NR_FR2 Class (3O)	
18	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (4O)	38.101-2, 5.3A.4	pc_DL_intra_n on_contiguous _CA_NR_FR2 Class (4O)	
19	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (5O)	38.101-2, 5.3A.4	pc_DL_intra_n on_contiguous _CA_NR_FR2 Class (5O)	
20	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (6O)	38.101-2, 5.3A.4	pc_DL_intra_n on_contiguous _CA_NR_FR2 Class (6O)	
21	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (7O)	38.101-2, 5.3A.4	pc_DL_intra_n on_contiguous _CA_NR_FR2 Class (7O)	
22	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2P)	38.101-2, 5.3A.4	pc_DL_intra_n on_contiguous _CA_NR_FR2 Class (2P)	
23	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (3P)	38.101-2, 5.3A.4	pc_DL_intra_n on_contiguous _CA_NR_FR2 Class (3P)	
24	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (4P)	38.101-2, 5.3A.4	pc_DL_intra_n on_contiguous _CA_NR_FR2 Class (4P)	
25	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2Q)	38.101-2, 5.3A.4	pc_DL_intra_n on_contiguous _CA_NR_FR2 Class (2Q)	
26	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2I)	38.101-2, 5.3A.4	pc_DL_intra_n on_contiguous _CA_NR_FR2 Class (2I)	

Table A.4.3.2A.3.2-1a: Downlink Bandwidth Class capabilities with multiple bandwidth classes for NR Intra-band non-contiguous CA configurations within FR2 (for one or more of the supported configurations in Table A.4.3.2A.3.2-3a)

Item	DL NR FR2 Intra-band non-contiguous CA Bandwidth Class (with multiple bandwidth classes)	Ref.	Mnemonic	Comments
1	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (A-D)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR FR2_Class_(A-D)	
2	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (A-2D)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR FR2_Class_(A- 2D)	
3	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (A-G)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR FR2_Class_(A-G)	
4	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (A-2G)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR FR2_Class_(A- 2G)	
5	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (A-3G)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR FR2_Class_(A- 3G)	
6	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (A-4G)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR FR2_Class_(A- 4G)	
7	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (A-H)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR FR2_Class_(A-H)	
8	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (A-I)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR FR2_Class_(A-I)	
9	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (A-2I)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR FR2_Class_(A-2I)	
10	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (A-J)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR FR2_Class_(A-J)	
11	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (A-K)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR FR2_Class_(A-K)	
12	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (A-O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR FR2_Class_(A-O)	
13	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (A-2O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR FR2_Class_(A- 2O)	
14	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (A-3O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR FR2_Class_(A- 3O)	
15	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (A-4O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR FR2_Class_(A- 4O)	
16	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (A-5O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR FR2_Class_(A- 5O)	
17	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (A-6O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR FR2_Class_(A- 6O)	
18	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (A-7O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR FR2_Class_(A- 7O)	

19	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (A-P)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(A-P)	
20	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (A-2P)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(A- 2P)	
21	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (A-3P)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(A- 3P)	
22	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (A-4P)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(A- 4P)	
23	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (A-Q)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(A-Q)	
24	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (A-2Q)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(A- 2Q)	
25	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2A-D)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(2A- D)	
26	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2A-2D)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(2A- 2D)	
27	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2A-G)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(2A- G)	
28	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2A-2G)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(2A- 2G)	
29	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2A-O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(2A- O)	
30	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2A-2O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(2A- 2O)	
31	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2A-3O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(2A- 3O)	
32	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2A-4O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(2A- 4O)	
33	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2A-P)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(2A- P)	
34	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2A-2P)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(2A- 2P)	
35	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2A-3P)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(2A- 3P)	

36	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2A-4P)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(2A- 4P)	
37	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2A-Q)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(2A- Q)	
38	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2A-2Q)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(2A- 2Q)	
39	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2A-H)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(2A- H)	
40	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2A-2H)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(2A- 2H)	
41	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2A-I)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(2A-I)	
42	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (3A-G)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(3A- G)	
43	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (3A-2G)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(3A- 2G)	
44	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (3A-O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(3A- O)	
45	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (3A-2O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(3A- 2O)	
46	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (3A-3O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(3A- 3O)	
47	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (3A-4O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(3A- 4O)	
48	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (3A-P)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(3A- P)	
49	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (3A-2P)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(3A- 2P)	
50	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (3A-Q)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(3A- Q)	
51	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (3A-2Q)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(3A- 2Q)	
52	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (4A-G)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(4A- G)	

53	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (4A-2G)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(4A- 2G)	
54	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (4A-Q)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(4A- Q)	
55	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (4A-2Q)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(4A- 2Q)	
56	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (4A-O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(4A- O)	
57	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (4A-2O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(4A- 2O)	
58	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (4A-3O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(4A- 3O)	
59	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (4A-4O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(4A- 4O)	
60	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (4A-P)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(4A- P)	
61	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (4A-2P)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(4A- 2P)	
62	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (5A-O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(5A- O)	
63	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (5A-2O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(5A- 2O)	
64	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (5A-3O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(5A- 3O)	
65	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (5A-4O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(5A- 4O)	
66	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (5A-P)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(5A- P)	
67	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (5A-2P)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(5A- 2P)	
68	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (6A-O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(6A- O)	
69	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (6A-2O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(6A- 2O)	

70	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (6A-3O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(6A- 3O)	
71	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (6A-P)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(6A- P)	
72	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (6A-2P)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(6A- 2P)	
73	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (7A-O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(7A- O)	
74	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (7A-2O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(7A- 2O)	
75	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (7A-3O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(7A- 3O)	
76	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (8A-O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(8A- O)	
77	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (8A-2O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(8A- 2O)	
78	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (D-G)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(D-G)	
79	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (D-2G)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(D- 2G)	
80	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (D-H)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(D-H)	
81	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (D-I)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(D-I)	
82	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (D-O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(D-O)	
83	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (D-2O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(D- 2O)	
84	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (D-P)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(D-P)	
85	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (D-Q)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(D-Q)	
86	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2D-O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(2D- O)	
87	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (E-O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(E-O)	
88	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (E-P)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(E-P)	

89	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (E-Q)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR FR2_Class_(E-Q)	
90	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (G-H)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR FR2_Class_(G-H)	
91	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (G-I)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR FR2_Class_(G-I)	
92	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (G-O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR FR2_Class_(G-O)	
93	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (G-2O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR FR2_Class_(G- 2O)	
94	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (G-3O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR FR2_Class_(G- 3O)	
95	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (G-4O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR FR2_Class_(G- 4O)	
96	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2G-O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR FR2_Class_(2G- O)	
97	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2G-2O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR FR2_Class_(2G- 2O)	
98	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2G-3O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR FR2_Class_(2G- 3O)	
99	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2G-4O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR FR2_Class_(2G- 4O)	
100	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (3G-O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR FR2_Class_(3G- O)	
101	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (4G-O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR FR2_Class_(4G- O)	
102	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (H-I)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR FR2_Class_(H-I)	
103	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (H-O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR FR2_Class_(H-O)	
104	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2H-O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR FR2_Class_(2H- O)	
105	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (O-P)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR FR2_Class_(O-P)	
106	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (O-2P)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR FR2_Class_(O- 2P)	
107	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (O-Q)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR FR2_Class_(O-Q)	

108	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (O-2Q)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(O- 2Q)	
109	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2O-P)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(2O- P)	
110	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2O-2P)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(2O- 2P)	
111	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2O-Q)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(2O- Q)	
112	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2O-2Q)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(2O- 2Q)	
113	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (P-Q)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(P-Q)	
114	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (A-D-O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(A-D- O)	
115	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (A-D-2O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(A-D- 2O)	
116	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (A-D-H)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(A-D- H)	
117	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (A-G-H)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(A-G- H)	
118	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (A-G-I)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(A-G- I)	
119	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (A-G-O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(A-G- O)	
120	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (A-G-2O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(A-G- 2O)	
121	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (A-2G-O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(A- 2G-O)	
122	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (A-2G-2O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(A- 2G-2O)	
123	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (A-3G-O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(A- 3G-O)	
124	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (A-H-I)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(A-H- I)	

125	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (A-O-P)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(A-O- P)	
126	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (A-O-2P)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(A-O- 2P)	
127	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (A-O-Q)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(A-O- Q)	
128	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (A-O-2Q)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(A-O- 2Q)	
129	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (A-2O-P)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(A- 2O-P)	
130	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (A-2O-2P)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(A- 2O-2P)	
131	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (A-2O-Q)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(A- 2O-Q)	
132	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (A-2O-2Q)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(A- 2O-2Q)	
133	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (A-P-Q)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(A-P- Q)	
134	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2A-D-O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(2A- D-O)	
135	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2A-D-2O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(2A- D-2O)	
136	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2A-G-O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(2A- G-O)	
137	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2A-G-2O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(2A- G-2O)	
138	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2A-2G-O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(2A- 2G-O)	
139	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2A-2G-2O)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(2A- 2G-2O)	
140	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2A-O-P)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(2A- O-P)	
141	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2A-O-2P)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(2A- O-2P)	

142	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2A-2O-P)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(2A- 2O-P)	
143	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2A-2O-2P)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(2A- 2O-2P)	
144	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2A-O-Q)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(2A- O-Q)	
145	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2A-O-2Q)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(2A- O-2Q)	
146	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2A-2O-Q)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(2A- 2O-Q)	
147	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (2A-2O-2Q)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(2A- 2O-2Q)	
148	DL NR FR2 Intra-band non-contiguous CA BW Class Combination (3A-O-P)	38.101-2, 5.3A.4	pc_DL_intra_non_c ontiguous_CA_NR _FR2_Class_(3A- O-P)	

Table A.4.3.2A.3.2-2: Uplink Bandwidth Class capabilities with single bandwidth class for NR Intra-band non-contiguous CA configurations within FR2 (for one or more of the supported configurations in Table A.4.3.2A.3.2-3)

Item	UL NR FR2 Intra-band non-contiguous CA Bandwidth Class (with single bandwidth class)	Ref.	Mnemonic	Comments
1	UL NR FR2 Intra-band non-contiguous CA BW Class Combination (2A)	38.101-2, 5.3A.4	pc_UL_intra_n on_contiguous _CA_NR_FR2 _Class_(2A)	
2	UL NR FR2 Intra-band non-contiguous CA BW Class Combination (3A)	38.101-2, 5.3A.4	pc_UL_intra_n on_contiguous _CA_NR_FR2 _Class_(3A)	
3	UL NR FR2 Intra-band non-contiguous CA BW Class Combination (G)	38.101-2, 5.3A.4	pc_UL_intra_n on_contiguous _CA_NR_FR2 _Class_(G)	
4	UL NR FR2 Intra-band non-contiguous CA BW Class Combination (H)	38.101-2, 5.3A.4	pc_UL_intra_n on_contiguous _CA_NR_FR2 _Class_(H)	
5	UL NR FR2 Intra-band non-contiguous CA BW Class Combination (I)	38.101-2, 5.3A.4	pc_UL_intra_n on_contiguous _CA_NR_FR2 _Class_(I)	

Table A.4.3.2A.3.2-2a: Uplink Bandwidth Class capabilities with multiple bandwidth classes for NR Intra-band non-contiguous CA configurations within FR2 (for one or more of the supported configurations in Table A.4.3.2A.3.2-3a)

Item	UL NR FR2 Intra-band non-contiguous CA Bandwidth Class (with multiple bandwidth classes)	Ref.	Mnemonic	Comments
1	UL NR FR2 Intra-band non-contiguous CA BW Class Combination (D)	38.101-2, 5.3A.4	pc_UL_intra_non_contiguous_CA_NR_FR2_Class_(D)	
2	UL NR FR2 Intra-band non-contiguous CA BW Class Combination (E)	38.101-2, 5.3A.4	pc_UL_intra_non_contiguous_CA_NR_FR2_Class_(E)	
3	UL NR FR2 Intra-band non-contiguous CA BW Class Combination (G)	38.101-2, 5.3A.4	pc_UL_intra_non_contiguous_CA_NR_FR2_Class_(G)	
4	UL NR FR2 Intra-band non-contiguous CA BW Class Combination (H)	38.101-2, 5.3A.4	pc_UL_intra_non_contiguous_CA_NR_FR2_Class_(H)	
5	UL NR FR2 Intra-band non-contiguous CA BW Class Combination (I)	38.101-2, 5.3A.4	pc_UL_intra_non_contiguous_CA_NR_FR2_Class_(I)	
6	UL NR FR2 Intra-band non-contiguous CA BW Class Combination (O)	38.101-2, 5.3A.4	pc_UL_intra_non_contiguous_CA_NR_FR2_Class_(O)	
7	UL NR FR2 Intra-band non-contiguous CA BW Class Combination (P)	38.101-2, 5.3A.4	pc_UL_intra_non_contiguous_CA_NR_FR2_Class_(P)	
8	UL NR FR2 Intra-band non-contiguous CA BW Class Combination (Q)	38.101-2, 5.3A.4	pc_UL_intra_non_contiguous_CA_NR_FR2_Class_(Q)	

Table A.4.3.2A.3.2-3: Supported configurations with single bandwidth class for NR Intra-band non-contiguous CA within FR2

NR FR2 Intra-band non-contiguous CA configuration / Item (Note 4)	Release	Supported	Supported CA Bandwidth Class(es) in UL (Note 3)	Supported Bandwidth Combination Set(s) (Note 1)
CA_n261(2A)	Rel-15			
Note 1: The UE supplier shall indicate the supported Bandwidth Combination Set(s) as per TS 38.101-2 [24] Table 5.5A.2-1. Note 2: Void. Note 3: See UL(<i>table_index</i>) in Note 1 of Table 4.0-3 and UL_nCC(<i>table_index</i>) in Note 2 of Table 4.0-3 in TS 38.522 [9]. Note 4: See DL_nCC(<i>table_index</i>) in Note 4 of Table 4.0-3 in TS 38.522 [9].				

Table A.4.3.2A.3.2-3a: Supported configurations with multiple bandwidth classes for NR Intra-band non-contiguous CA within FR2

TBD

A.4.3.2A.4 NR Inter-band CA within FR1

A.4.3.2A.4.1 NR Inter-band CA within FR1 (two bands)

Table A.4.3.2A.4.1-1: Downlink Bandwidth Class Combination capabilities for NR Inter-band CA configuration within FR1 and two bands (for one or more of the supported CA configurations in Table A.4.3.2A.4.1-3)

Item	DL NR FR1 Inter-band CA Bandwidth Class	Ref.	Mnemonic	Comments
1	DL NR FR1 Inter-band CA BW Class Combination A-A (two bands)	38.101-1, 5.3A.5	pc_DL_inter_band_CA_NR_FR1_2B_Class_A-A	
2	DL NR FR1 Inter-band CA BW Class Combination A-(2A) (two bands)	38.101-1, 5.3A.5	pc_DL_inter_band_CA_NR_FR1_2B_Class_A-(2A)	
3	DL NR FR1 Inter-band CA BW Class Combination A-B (two bands)	38.101-1, 5.3A.5	pc_DL_inter_band_CA_NR_FR1_2B_Class_A-B	
4	DL NR FR1 Inter-band CA BW Class Combination A-C (two bands)	38.101-1, 5.3A.5	pc_DL_inter_band_CA_NR_FR1_2B_Class_A-C	
5	DL NR FR1 Inter-band CA BW Class Combination (2A)-A (two bands)	38.101-1, 5.3A.5	pc_DL_inter_band_CA_NR_FR1_2B_Class_(2A)-A	
6	DL NR FR1 Inter-band CA BW Class Combination (2A)-(2A) (two bands)	38.101-1, 5.3A.5	pc_DL_inter_band_CA_NR_FR1_2B_Class_(2A)-(2A)	
7	DL NR FR1 Inter-band CA BW Class Combination (2A)-B (two bands)	38.101-1, 5.3A.5	pc_DL_inter_band_CA_NR_FR1_2B_Class_(2A)-B	
8	DL NR FR1 Inter-band CA BW Class Combination B-A (two bands)	38.101-1, 5.3A.5	pc_DL_inter_band_CA_NR_FR1_2B_Class_B-A	
9	DL NR FR1 Inter-band CA BW Class Combination C-A (two bands)	38.101-1, 5.3A.5	pc_DL_inter_band_CA_NR_FR1_2B_Class_C-A	
10	DL NR FR1 Inter-band CA BW Class Combination C-B (two bands)	38.101-1, 5.3A.5	pc_DL_inter_band_CA_NR_FR1_2B_Class_C-B	
11	DL NR FR1 Inter-band CA BW Class Combination C-C (two bands)	38.101-1, 5.3A.5	pc_DL_inter_band_CA_NR_FR1_2B_Class_C-C	

Table A.4.3.2A.4.1-2: Uplink Bandwidth Class Combination capabilities for NR Inter-band CA within FR1 and two bands (for one or more of the supported CA configurations in Table A.4.3.2A.4.1-3)

Item	UL NR FR1 Inter-band CA Bandwidth Class	Ref.	Mnemonic	Comments
1	UL NR FR1 Inter-band CA BW Class Combination A-A (two bands)	38.101-1, 5.3A.5	pc_UL_inter_band_CANR_FR1_2B_Class_A-A	
2	UL NR FR1 Inter-band CA BW Class Combination (2A) (two bands)	38.101-1, 5.3A.5	pc_UL_inter_band_CANR_FR1_2B_Class_(2A)	
3	Void			
4	Void			

Table A.4.3.2A.4.1-3: Supported configurations for NR Inter-band CA within FR1 and two bands

NR FR1 Inter-band CA configuration / Item (Note 1, 9)	Release	Supported	Supported power class for single uplink carrier (Note 12)	Supported CA Bandwidth Class(es) in UL (Note 2,5)	Supported Bandwidth Combination Set(s) (Note 3)	Supported 1Tx-2Tx ULTxSwitching Band Pair (Note 7, 8)	Supported 2Tx-2Tx ULTxSwitching Band Pair (Note 7, 8)	Supported uplinkTx Switching-DL- Interruption-r16 (Note 10)	Supported simultaneous sRxTx (Note 11)
CA_n1A-n3A	Rel-16								
CA_n1A-n5A	Rel-17								
CA_n1A-n28A	Rel-16								
CA_n1(2A)-n3A	Rel-17								
CA_n1(2A)-n5A	Rel-17								
CA_n1A-n8A	Rel-16								
CA_n1(2A)-n8A	Rel-17								
CA_n1A-n41A	Rel-16								Yes
CA_n1A-n77A	Rel-16							Not supported	Yes
CA_n1A-n78A	Rel-16							Not supported	Yes
CA_n1(2A)-n78A	Rel-17							Not supported	Yes
CA_n1A-n78(2A)	Rel-17							Not supported	Yes
CA_n1A-n78C	Rel-16							Not supported	Yes
CA_n1A-n79A	Rel-16							Not supported	Yes
CA_n2A-n5A	Rel-16								
CA_n2(2A)-n5A	Rel-17								
CA_n2A-n14A	Rel-17								
CA_n2(2A)-n14A	Rel-17								
CA_n2A-n30A	Rel-17								
CA_n2(2A)-n30A	Rel-17								
CA_n2A-n48A	Rel-16								
CA_n2A-n48(2A)	Rel-17								
CA_n2A-n48B	Rel-17								
CA_n2A-n66A	Rel-16								
CA_n2(2A)-n66A	Rel-17								

CA_n2A-n66(2A)	Rel-17								
CA_n2(2A)-n66(2A)	Rel-17								
CA_n2A-n66(3A)	Rel-17								
CA_n2A-n77A	Rel-16								
CA_n2A-n77C	Rel-17								
CA_n2A-n77(2A)	Rel-17								
CA_n2(2A)-n77A	Rel-17								
CA_n2(2A)-n77(2A)	Rel-17								
CA_n3A-n5A	Rel-17								
CA_n3(2A)-n5A	Rel-17								
CA_n3A-n8A	Rel-16								
CA_n3(2A)-n8A	Rel-17								
CA_n3A-n28A	Rel-16								
CA_n3A-n40A	Rel-16							Not supported	Yes
CA_n3A-n41A	Rel-16							Not supported	Yes
CA_n3A-n77A	Rel-15						Not supported		CA_n3A-n77A
CA_n3A-n77(2A)	Rel-16							Not supported	Yes
CA_n3A-n78A	Rel-15							Not supported	Yes
CA_n5A-n48A	Rel-17								
CA_n5A-n48(2A)	Rel-17								CA_n5A-n48(2A)
CA_n5A-n48B	Rel-17								
CA_n3A-n78(2A)	Rel-17							Not supported	Yes
CA_n3(2A)-n78A	Rel-17							Not supported	Yes
CA_n5A-n66A	Rel-16								
CA_n5A-n66(2A)	Rel-17								
CA_n5A-n66(3A)	Rel-17								
CA_n5A-n78(2A)	Rel-17								Yes
CA_n5A-n7A	Rel-16								
CA_n5A-n30A	Rel-17								

CA_n5A-n77A	Rel-16								Yes
CA_n5A-n77C	Rel-17								
CA_n5A-n77(2A)	Rel-17								
CA_n5A-n78A	Rel-16							Not supported	Yes
CA_n5B-n77A	Rel-17								
CA_n5B-n77C	Rel-17								
CA_n7A-n78A	Rel-16								Yes
CA_n8A-n78A	Rel-15							Not supported	Yes
CA_n8A-n78(2A)	Rel-17							Not supported	Yes
CA_n14A-n30A	Rel-17								
CA_n14A-n66A	Rel-17								
CA_n14A-n66(2A)	Rel-17								
CA_n14A-n66(3A)	Rel-17								
CA_n14A-n77A	Rel-17								
CA_n14A-n77(2A)	Rel-17								
CA_n20A-n78A	Rel-16								
CA_n24A-n41A	Rel-17								
CA_n24A-n41(2A)	Rel-17								
CA_n24A-n48A	Rel-17								
CA_n24A-n48B	Rel-17								
CA_n24A-n48(2A)	Rel-17								
CA_n24A-n77A	Rel-17								
CA_n24A-n77C	Rel-17								
CA_n25A-n66A	Rel-17								
CA_n25A-n77A	Rel-17								
CA_n25A-n77(2A)	Rel-17								
CA_n25A-n78A	Rel-17								
CA_n25A-n78(2A)	Rel-17								
CA_n26A-n66A	Rel-17								
CA_n26A-n66(2A)	Rel-17								
CA_n26A-n70A	Rel-17								
CA_n28A-n40A	Rel-16								Yes

CA_n28A-n41A	Rel-16								Yes
CA_n28A-n41C	Rel-17							Not supported	Yes
CA_n28A-n77A	Rel-16							Not supported	
CA_n28A-n77(2A)	Rel-16							Not supported	Yes
CA_n28A-n78A	Rel-16							Not supported	Yes
CA_n28A-n79A	Rel-17								Yes
CA_n29A-n66A	Rel-16								
CA_n29A-n66B	Rel-16								
CA_n29A-n66(2A)	Rel-16								
CA_n29A-n70A	Rel-16								
CA_n29A-n71A	Rel-17								
CA_n39A-n41A	Rel-16								
CA_n30A-n66A	Rel-17								
CA_n30A-n66(2A)	Rel-17								
CA_n30A-n66(3A)	Rel-17								
CA_n30A-n77A	Rel-17								
CA_n30A-n77(2A)	Rel-17								
CA_n40A-n77A	Rel-17								Yes
CA_n41A-n66A	Rel-17								
CA_n41A-n71A	Rel-16								Yes
CA_n41A-n77A	Rel-17								Yes
CA_n41A-n79A	Rel-16							Not supported	Yes
CA_n41A-n79C	Rel-18							Not supported	Yes
CA_n41C-n79A	Rel-16							Not supported	Yes
CA_n41C-n79C	Rel-18							Not supported	Yes
CA_n48A-n66A (Note 6)	Rel-16								
CA_n48A-n66(2A) (Note 6)	Rel-17								
CA_n48A-n70A	Rel-17								

CA_n48A-n71A	Rel-17								
CA_n48A-n71(2A)	Rel-17								
CA_n48A-n77A	Rel-17								
CA_n48A-n77C	Rel-17								
CA_n48B-n66A	Rel-17								
CA_n48B-n70A	Rel-17								
CA_n48B-n71A	Rel-17								
CA_n48B-n77A	Rel-17								CA_n48B-n77A
CA_n48(2A)-n66A	Rel-17								
CA_n48(2A)-n66(2A)	Rel-17								
CA_n48(2A)-n70A	Rel-17								
CA_n48(2A)-n71A	Rel-17								
CA_n48(2A)-n71(2A)	Rel-17								
CA_n48(2A)-n77A	Rel-17								
CA_n66A-n70A (Note 6)	Rel-16								
CA_n66B-n70A (Note 6)	Rel-16								
CA_n66(2A)-n70A (Note 6)	Rel-16								
CA_n66A-n71A (Note 6)	Rel-16								
CA_n66A-n71(2A) (Note 6)	Rel-17								
CA_n66B-n71A (Note 6)	Rel-16								
CA_n66(2A)-n71A (Note 6)	Rel-16								
CA_n66(2A)-n71(2A) (Note 6)	Rel-17								
CA_n66A-n77A	Rel-16								
CA_n66A-n77(2A)	Rel-17								
CA_n66A-n77C	Rel-17								
CA_n66(2A)-n77A	Rel-17								
CA_n66(2A)-n77(2A)	Rel-17								

CA_n66(3A)-n77A	Rel-17								
CA_n66A-n78A	Rel-17								
CA_n66A-n78(2A)	Rel-17								
CA_n70A-n71A	Rel-16								
CA_n70A-n71(2A)	Rel-17								
CA_n71A-n77A	Rel-17								
CA_n71A-n77(2A)	Rel-17								
CA_n71A-n78A	Rel-17								
CA_n71A-n78(2A)	Rel-17								
CA_n78A-n79A	Rel-15								
Note 1:	Notation used for inter-band CA Bands is according to TS 38.101-1 [23] Table 5.5A.3.1-1, e.g. 'CA_n1A-n78C' indicates CA operation on NR band n1 and n78 with DL CA Bandwidth Class A and C respectively.								
Note 2:	The UL CA capabilities as per Table A.4.3.2A.4.1-2 can be supported on a single or multiple CA Band(s). The UE supplier shall indicate all supported UL CA Bandwidth Class(es), in uplink of the supported CA Band(s), as per TS 38.101-1 [23] Table 5.5A.3.1-1. For this release of specification valid choices are 'N', 'nXA-nYA', 'nX(2A)', 'nXB' and 'nXC', where both nX and nY are the NR bands. For example, for CA_n1A-n77A, 'N' would mean only DL CA, 'n1A-n77A' would mean both DL and UL CA.								
Note 3:	The UE supplier shall indicate the supported Bandwidth Combination Set(s) as per TS 38.101-1 [23] Table 5.5A.3.1-1.								
Note 4:	Void.								
Note 5:	See UL(<i>table_index</i>) in in Note 1 of Table 4.0-3 and UL_nCC(<i>table_index</i>) in Note 2 of Table 4.0-3 in TS 38.522 [9].								
Note 6:	A UE that supports NR Band n66 (Table A.4.3.1-1) and CA operation in any CA band shall also support the DL CA configurations CA_n66B and CA_n66(2A), as per Note 7, in Table 5.2-1, in TS 38.521-1 [5].								
Note 7:	The ULTxSwitching capability can be reported on inter-band CA band combinations. The UE supplier shall indicate inter-band CA band pairs on which it supports 1Tx-2Tx or 2Tx-2Tx ULTxSwitching. For this release of specification valid choices are 'N' and 'nX-nY', where both nX and nY are NR bands. For example, for CA_n1A-n77A, 'N' would mean not supporting ULTxSwitching, 'n1-n77' would mean supporting of ULTxSwitching on this band pair. If UE supplier indicates supporting of ULTxSwitching on a band pair, they shall indicate at least one inter-band UL CA configuration on the same band pair in the column "Supported CA Bandwidth Class(es) in UL". The ULTxSwitching is only tested with 2 UL or 3 UL CCs, so UE is allowed to report 'N' by default for CA configuration with > 3 component carriers.								
Note 8:	See ULTxSwitching(<i>table_index</i>) and 2Tx_ULTxSwitching(<i>table_index</i>) in Note 6 of Table 4.0-3 in TS 38.522 [9].								
Note 9:	See DL_nCC(<i>table_index</i>) in Note 4 of Table 4.0-3 in TS 38.522 [9].								
Note 10:	A UE that supports ULTxSwitching on a band pair might report the uplinkTxSwitching-DL- Interruption-r16 capability on the same band pair. If UE doesn't report this capability, no DL interruption is allowed during UL Tx switching. For certain band configurations DL interruption is not allowed according to Note 8 in Table 5.2A.2.1-1 of TS 38.101-1 [23], therefore the corresponding entry is prefilled by 'Not Supported'.								
Note 11:	For configurations with Note 1 in Table 5.2A.2.1-1 of TS 38.521-1 [5], UE capability simultaneousRxTxInterBandCA is mandatory, therefore the corresponding entry is prefilled with 'Yes'.								
Note 12:	The UE supplier shall indicate the supported single uplink carrier with power class other than PC3, as per TS 38.101-1 [23] Table 5.5A.3.1-1. For this release of specification valid choices are '-', 'nX PC2', 'nY PC2', where both nX and nY are the NR bands. For example, for CA_n1A-n78A, '-' would mean only supports PC3 single uplink carrier, 'n1 PC2' would mean supports single carrier PC2 on band n1, 'n78 PC2' would mean supports single carrier PC2 on band n78.								

Table A.4.3.2A.4.1-4: Inter-band CA within FR1 (two bands) PC2 UE RF Baseline Implementation Capabilities

Item	CA configuration	Inter-band CA within FR1 (two bands) PC2 UE RF Baseline Implementation Capabilities	Ref.	Release	Mnemonic	Comments
1	CA_n1A-n78A	n1 band: 1920-1980 MHz (UL), 2110-2170 MHz (DL) n78 band: 3300-3800 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n1A_n78A_PC2_Supp	
A	CA_n2A-n77A	n2 band: 1850-1910 MHz (UL), 1930-1990 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n2A_n77A_PC2_Supp	
A1	CA_n2A-n77C	n2 band: 1850-1910 MHz (UL), 1930-1990 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n2A_n77A_PC2_Supp	
A2	CA_n2A-n77(2A)	n2 band: 1850-1910 MHz (UL), 1930-1990 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n2A_n77A_PC2_Supp	
A3	CA_n2(2A)-n77A	n2 band: 1850-1910 MHz (UL), 1930-1990 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n2A_n77A_PC2_Supp	
A4	CA_n2(2A)-n77(2A)	n2 band: 1850-1910 MHz (UL), 1930-1990 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n2A_n77A_PC2_Supp	
1B	CA_n3A-n41A	n3 band: 1710-1785 MHz (UL), 1805-1880 MHz (DL) n41 band: 2496-2690 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n3A_n41A_PC2_Supp	
2	CA_n3A-n78A	n3 band: 1710-1785 MHz (UL), 1805-1880 MHz (DL) n78 band: 3300-3800 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n3A_n78A_PC2_Supp	
2A	CA_n5A-n77A	n5 band: 824-849 MHz (UL), 869-894 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n5A_n77A_PC2_Supp	
2B	CA_n5A-n77C	n5 band: 824-849 MHz (UL), 869-894 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n5A_n77A_PC2_Supp	
2C	CA_n5A-n77(2A)	n5 band: 824-849 MHz (UL), 869-894 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n5A_n77A_PC2_Supp	
2D	CA_n14A-n77(2A)	n14 band: 788-798 MHz (UL), 758-768 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n14A_n77A_PC2_Supp	
3	CA_n28A-n41A	n28 band: 703-748 MHz (UL), 758- 803 MHz (DL) n41 band: 2496-2690 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n28A_n41A_PC2_Supp	
3A	CA_n28A-n78A	n28 band: 703-748 MHz (UL), 758- 803 MHz (DL) n78 band: 3300-3800 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n28A_n78A_PC2_Supp	
4	CA_n28A-n79A	n28 band: 703-748 MHz (UL), 758- 803 MHz (DL) n79 band: 4400-5000 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n28A_n79A_PC2_Supp	
4A	CA_n30A-n77(2A)	n30 band: 2305-2315 MHz (UL), 2350-2360 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n30A_n77A_PC2_Supp	
5	CA_n41A-n79A	n41 band: 2496-2690 MHz n79 band: 4400-5000 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n41A_n79A_PC2_Supp	
6	CA_n66A-n77A	n66 band: 1710-1780 MHz (UL), 2110-2200 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n66A_n77A_PC2_Supp	
6A	CA_n66A-n77C	n66 band: 1710-1780 MHz (UL), 2110-2200 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n66A_n77A_PC2_Supp	
6B	CA_n66A-n77(2A)	n66 band: 1710-1780 MHz (UL), 2110-2200 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n66A_n77A_PC2_Supp	
6C	CA_n66(2A)-n77A	n66 band: 1710-1780 MHz (UL), 2110-2200 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n66A_n77A_PC2_Supp	

6D	CA_n66(2A)-n77(2A)	n66 band: 1710-1780 MHz (UL), 2110-2200 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n66A_n77A_PC2_Supp	
6E	CA_n66(3A)-n77A	n66 band: 1710-1780 MHz (UL), 2110-2200 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n66A_n77A_PC2_Supp	
7	CA_n78A-n79A	n78 band: 3300-3800 MHz n79 band: 4400-5000 MHz	38.101-1, 6.2A.1.3	Rel-18	pc_UL_inter_band_CA_n78A_n79A_PC2_Supp	
8	CA_n3A-n77A	n3 band: 1710-1785 MHz (UL), 1805-1880 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-18	pc_UL_inter_band_CA_n3A_n77A_PC2_Supp	
9	CA_n41A-n77A	n41 band: 2496-2690 MHz n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n41A_n77A_PC2_Supp	
10	CA_n28A-n77A	n28 band: 703-748 MHz (UL), 758- 803 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-18	pc_UL_inter_band_CA_n28A_n77A_PC2_Supp	

Table A.4.3.2A.4.1-5: Inter-band CA within FR1 (two bands) with UL MIMO capability

Item	CA configuration	Inter-band CA within FR1 (two bands) RF Baseline Implementation Capabilities	Ref.	Release	Mnemonic	Comments
1	CA_n2A-n77A	n77 band: UL MIMO	38.101-1, 6.2H.3.1	Rel-17	pc_UL_inter_band_CA_n2A_n77A_UL_MIMO	
2	CA_n5A-n77A	n77 band: UL MIMO	38.101-1, 6.2H.3.1	Rel-17	pc_UL_inter_band_CA_n5A_n77A_UL_MIMO	
3	CA_n7A-n77A	n77 band: UL MIMO	38.101-1, 6.2H.3.1	Rel-17	pc_UL_inter_band_CA_n7A_n77A_UL_MIMO	
4	CA_n8A-n78A	n78 band: UL MIMO	38.101-1, 6.2H.3.1	Rel-17	pc_UL_inter_band_CA_n8A_n78A_UL_MIMO	
5	CA_n25A-n41A	n41 band: UL MIMO	38.101-1, 6.2H.3.1	Rel-17	pc_UL_inter_band_CA_n25A_n41A_UL_MIMO	
6	CA_n25A-n77A	n77 band: UL MIMO	38.101-1, 6.2H.3.1	Rel-17	pc_UL_inter_band_CA_n25A_n77A_UL_MIMO	
7	CA_n26A-n78A	n78 band: UL MIMO	38.101-1, 6.2H.3.1	Rel-17	pc_UL_inter_band_CA_n26A_n78A_UL_MIMO	
8	CA_n28A-n41A	n41 band: UL MIMO	38.101-1, 6.2H.3.1	Rel-17	pc_UL_inter_band_CA_n28A_n41A_UL_MIMO	
9	CA_n28A-n78A	n78 band: UL MIMO	38.101-1, 6.2H.3.1	Rel-17	pc_UL_inter_band_CA_n28A_n78A_UL_MIMO	
10	CA_n41A-n66A	n66 band: UL MIMO	38.101-1, 6.2H.3.1	Rel-17	pc_UL_inter_band_CA_n41A_n66A_UL_MIMO	
11	CA_n41A-n71A	n71 band: UL MIMO	38.101-1, 6.2H.3.1	Rel-17	pc_UL_inter_band_CA_n41A_n71A_UL_MIMO	
12	CA_n41A-n77A	n41 band or n77 band: UL MIMO	38.101-1, 6.2H.3.1	Rel-17	pc_UL_inter_band_CA_n41A_n77A_UL_MIMO	
13	CA_n66A-n77A	n77 band: UL MIMO	38.101-1, 6.2H.3.1	Rel-18	pc_UL_inter_band_CA_n66A_n77A_UL_MIMO	

Table A.4.3.2A.4.1-6: Inter-band CA within FR1 (two bands) with Tx Diversity capability

Item	CA configuration	Inter-band CA within FR1 (two bands) RF Baseline Implementation Capabilities	Ref.	Release	Mnemonic	Comments
1	CA_n2A-n77A	n77 band: Tx Diversity	38.101-1, 6.2L.3.1	Rel-17	pc_UL_inter_band_CA_n2A_n77A_TxD	
2	CA_n5A-n77A	n77 band: Tx Diversity	38.101-1, 6.2L.3.1	Rel-17	pc_UL_inter_band_CA_n5A_n77A_TxD	
3	CA_n7A-n77A	n77 band: Tx Diversity	38.101-1, 6.2L.3.1	Rel-17	pc_UL_inter_band_CA_n7A_n77A_TxD	
4	CA_n8A-n78A	n78 band: Tx Diversity	38.101-1, 6.2L.3.1	Rel-17	pc_UL_inter_band_CA_n8A_n78A_TxD	
5	CA_n25A-n41A	n41 band: Tx Diversity	38.101-1, 6.2L.3.1	Rel-17	pc_UL_inter_band_CA_n25A_n41A_TxD	
6	CA_n25A-n77A	n77 band: Tx Diversity	38.101-1, 6.2L.3.1	Rel-17	pc_UL_inter_band_CA_n25A_n77A_TxD	
7	CA_n26A-n78A	n78 band: Tx Diversity	38.101-1, 6.2L.3.1	Rel-17	pc_UL_inter_band_CA_n26A_n78A_TxD	
8	CA_n28A-n41A	n41 band: Tx Diversity	38.101-1, 6.2L.3.1	Rel-17	pc_UL_inter_band_CA_n28A_n41A_TxD	
9	CA_n28A-n78A	n78 band: Tx Diversity	38.101-1, 6.2L.3.1	Rel-17	pc_UL_inter_band_CA_n28A_n78A_TxD	
10	CA_n41A-n66A	n66 band: Tx Diversity	38.101-1, 6.2L.3.1	Rel-17	pc_UL_inter_band_CA_n41A_n66A_TxD	
11	CA_n41A-n71A	n71 band: Tx Diversity	38.101-1, 6.2L.3.1	Rel-17	pc_UL_inter_band_CA_n41A_n71A_TxD	
12	CA_n41A-n77A	n41 or n77 band: Tx Diversity	38.101-1, 6.2L.3.1	Rel-17	pc_UL_inter_band_CA_n41A_n77A_TxD	
13	CA_n66A-n77A	n77 band: Tx Diversity	38.101-1, 6.2L.3.1	Rel-17	pc_UL_inter_band_CA_n66A_n77A_TxD	

A.4.3.2A.4.2 NR Inter-band CA within FR1 (three bands)

Table A.4.3.2A.4.2-1: Downlink Bandwidth Class Combination capabilities for NR Inter-band CA configuration within FR1 and three bands (for one or more of the supported CA configurations in Table A.4.3.2A.4.2-3)

Item	DL NR FR1 Inter-band CA Bandwidth Class	Ref.	Mnemonic	Comments
1	DL NR FR1 Inter-band CA BW Class Combination A-A-A (three bands)	38.101-1, 5.3A.5	pc_DL_inter_band_CA_NR_FR1_3B_Class_A-A-A	
2	DL NR FR1 Inter-band CA BW Class Combination A-A-(2A) (three bands)	38.101-1, 5.3A.5	pc_DL_inter_band_CA_NR_FR1_3B_Class_A-A-(2A)	
3	DL NR FR1 Inter-band CA BW Class Combination A-A-B (three bands)	38.101-1, 5.3A.5	pc_DL_inter_band_CA_NR_FR1_3B_Class_A-A-B	
4	DL NR FR1 Inter-band CA BW Class Combination A-(2A)-A (three bands)	38.101-1, 5.3A.5	pc_DL_inter_band_CA_NR_FR1_3B_Class_A-(2A)-A	
5	DL NR FR1 Inter-band CA BW Class Combination A-B-A (three bands)	38.101-1, 5.3A.5	pc_DL_inter_band_CA_NR_FR1_3B_Class_A-B-A	
6	DL NR FR1 Inter-band CA BW Class Combination A-C-A (three bands)	38.101-1, 5.3A.5	pc_DL_inter_band_CA_NR_FR1_3B_Class_A-C-A	
7	DL NR FR1 Inter-band CA BW Class Combination (2A)-A-A (three bands)	38.101-1, 5.3A.5	pc_DL_inter_band_CA_NR_FR1_3B_Class_(2A)-A-A	
8	DL NR FR1 Inter-band CA BW Class Combination B-A-A (three bands)	38.101-1, 5.3A.5	pc_DL_inter_band_CA_NR_FR1_3B_Class_B-A-A	
9	DL NR FR1 Inter-band CA BW Class Combination C-A-A (three bands)	38.101-1, 5.3A.5	pc_DL_inter_band_CA_NR_FR1_3B_Class_C-A-A	
10	DL NR FR1 Inter-band CA BW Class Combination A-A-C (three bands)	38.101-1, 5.3A.5	pc_DL_inter_band_CA_NR_FR1_3B_Class_A-A-C	

Table A.4.3.2A.4.2-2: Uplink Bandwidth Class Combination capabilities for NR Inter-band CA within FR1 and three bands (for one or more of the supported CA configurations in Table A.4.3.2A.4.2-3)

Item	UL NR FR1 Inter-band CA Bandwidth Class	Ref.	Mnemonic	Comments
1	UL NR FR1 Inter-band CA BW Class Combination A-A (three bands)	38.101-1, 5.3A.5	pc_UL_inter_band_CA_NR_FR1_3B_Class_A-A	
2	UL NR FR1 Inter-band CA BW Class Combination (2A) (three bands)	38.101-1, 5.3A.5	pc_UL_inter_band_CA_NR_FR1_3B_Class_(2A)	
3	Void			

Table A.4.3.2A.4.2-3: Supported configurations for NR Inter-band CA within FR1 and three bands

NR FR1 Inter-band CA configuration / Item (Note 1, 7)	Release	Supported	Supported CA Bandwidth Class(es) in UL (Note 2,5)	Supported Bandwidth Combination Set(s) (Note 3)
CA n1A-n3A-n28A	Rel-16			
CA n1A-n3A-n77A	Rel-17			
CA n1A-n3A-n78A	Rel-16			
CA n1A-n5A-n78A	Rel-17			
CA n1A-n8A-n78A	Rel-16			
CA n1A-n28A-n77A	Rel-17			
CA n1A-n28A-n78A	Rel-16			
CA n1A-n41A-n77A	Rel-17			
CA n2A-n5A-n48A	Rel-17			
CA n2A-n5A-n48(2A)	Rel-17			
CA n2A-n5A-n48B	Rel-17			
CA n2A-n5A-n66A	Rel-17			
CA n2(2A)-n5A-n66A	Rel-17			
CA n2A-n5A-n66(2A)	Rel-17			
CA n2A-n5A-n77A	Rel-17			
CA n2A-n5A-n77C	Rel-17			
CA n2(2A)-n5A-n77A	Rel-17			
CA n2A-n5A-n77(2A)	Rel-17			
CA n2A-n14A-n30A	Rel-17			
CA n2(2A)-n14A-n30A	Rel-17			
CA n2A-n14A-n66A	Rel-17			
CA n2(2A)-n14A-n66A	Rel-17			
CA n2A-n14A-n66(2A)	Rel-17			
CA n2A-n14A-n77A	Rel-17			
CA n2(2A)-n14A-n77A	Rel-17			
CA n2A-n14A-n77(2A)	Rel-17			
CA n2A-n30A-n77A	Rel-17			
CA n2(2A)-n30A-n77A	Rel-17			
CA n2A-n30A-n77(2A)	Rel-17			
CA n2A-n48A-n66A	Rel-17			
CA n2A-n48(2A)-n66A	Rel-17			
CA n2A-n48B-n66A	Rel-17			
CA n2A-n48(2A)-n77A	Rel-17			
CA n3A-n5A-n78A	Rel-17			
CA n3A-n8A-n78A	Rel-16			
CA n3A-n28A-n40A	Rel-18			
CA n3A-n28A-n78A	Rel-16			
CA n2A-n48A-n77A	Rel-17			
CA n2A-n48A-n77C	Rel-17			
CA n2A-n66A-n77A	Rel-17			
CA n2A-n66A-n77C	Rel-17			
CA n2(2A)-n66A-n77A	Rel-17			
CA n2A-n66(2A)-n77A	Rel-17			
CA n2A-n66A-n77(2A)	Rel-17			
CA n3A-n28A-n41A	Rel-17			
CA n3A-n28A-n77A	Rel-16			
CA n3A-n40A-n77A	Rel-18			
CA n3A-n41A-n77A	Rel-17			
CA n5A-n30A-n77A	Rel-17			
CA n5A-n30A-n77(2A)	Rel-17			
CA n5A-n48A-n66A	Rel-17			
CA n5A-n48(2A)-n66A	Rel-17			
CA n5A-n48B-n66A	Rel-17			
CA n5A-n48A-n77A	Rel-17			
CA n5A-n48A-n77C	Rel-17			
CA n5A-n48(2A)-n77A	Rel-17			
CA n5A-n48B-n77A	Rel-17			
CA n5A-n66A-n77A	Rel-17			
CA n5A-n66A-n77C	Rel-17			
CA n5A-n66(2A)-n77A	Rel-17			

CA_n5A-n66A-n77(2A)	Rel-17			
CA_n14A-n30A-n66A	Rel-17			
CA_n14A-n30A-n66(2A)	Rel-17			
CA_n14A-n66A-n77A	Rel-17			
CA_n14A-n66(2A)-n77A	Rel-17			
CA_n14A-n66A-n77(2A)	Rel-17			
CA_n25A-n66A-n77A	Rel-17			
CA_n25A-n66A-n77(2A)	Rel-17			
CA_n25A-n66A-n78A	Rel-17			
CA_n25A-n66A-n78(2A)	Rel-17			
CA_n26A-n66A-n70A	Rel-17			
CA_n26A-n66(2A)-n70A	Rel-17			
CA_n28A-n40A-n77A	Rel-18			
CA_n28A-n41A-n77A	Rel-17			
CA_n28A-n41A-n79A	Rel-17			
CA_n28A-n78A-n79A	Rel-17			
CA_n29A-n66A-n70A	Rel-16			
CA_n41A-n66A-n70A	Rel-16			
CA_n48A-n66A-n70A	Rel-17			
CA_n48A-n66A-n71A	Rel-17			
CA_n48A-n66A-n71(2A)	Rel-17			
CA_n48A-n66A-n77C	Rel-17			
CA_n48A-n66(2A)-n70A	Rel-17			
CA_n48A-n66(2A)-n71A	Rel-17			
CA_n48A-n70A-n71A	Rel-17			
CA_n48A-n70A-n71(2A)	Rel-17			
CA_n48B-n66A-n70A	Rel-17			
CA_n48B-n66A-n71A	Rel-17			
CA_n48B-n66A-n77A	Rel-17			
CA_n48B-n70A-n71A	Rel-17			
CA_n48(2A)-n66A-n70A	Rel-17			
CA_n48(2A)-n66A-n71A	Rel-17			
CA_n48(2A)-n66A-n77A	Rel-17			
CA_n48A-n66A-n77A	Rel-17			
CA_n48(2A)-n70A-n71A	Rel-17			
CA_n66A-n70A-n71A (Note 6)	Rel-16			
CA_n66A-n70A-n71(2A) (Note 6)	Rel-17			
CA_n66B-n70A-n71A (Note 6)	Rel-16			
CA_n66(2A)-n70A-n71A (Note 6)	Rel-16			
CA_n66A-n71A-n77A	Rel-17			
CA_n66A-n71A-n77(2A)	Rel-17			
CA_n66A-n71A-n78A	Rel-17			
CA_n66A-n71A-n78(2A)	Rel-17			
Note 1: Notation used for inter-band CA Bands is according to TS 38.101-1 [23] Table 5.5A.3-2, e.g. 'CA_n66B-n70A-n71A' indicates CA operation on NR band n66, n70 and n71 with DL CA Bandwidth Class B, A and A respectively. Note 2: The UL CA capabilities as per Table A.4.3.2A.4.2-2 can be supported on a single or multiple CA Band(s). The UE supplier shall indicate all supported UL CA Bandwidth Class(es), in uplink of the supported CA Band(s), as per TS 38.101-1 [23] Table 5.5A.1-1. For this release of specification valid choices are 'N', 'nXA-nYA', 'nX(2A)' and 'nXC', where both nX and nY are the NR bands. For example, for CA_n66A-n70A-n71A, 'N' would mean only DL CA, 'n66A-n71A' would mean both DL and UL CA. Note 3: The UE supplier shall indicate the supported Bandwidth Combination Set(s) as per TS 38.101-1 [23] Table 5.5A.3-2. Note 4: Void. Note 5: See UL(<i>table_index</i>) in Note 1 of Table 4.0-3 and UL_nCC(<i>table_index</i>) in Note 2 of Table 4.0-3 in TS 38.522 [9]. Note 6: A UE that supports NR Band n66 (Table A.4.3.1-1) and CA operation in any CA band shall also support the DL CA configurations CA_n66B and CA_n66(2A), as per Note 7, in Table 5.2-1, in TS 38.521-1 [5]. Note 7: See DL_nCC(<i>table_index</i>) in Note 4 of Table 4.0-3 in TS 38.522 [9].				

Table A.4.3.2A.4.2-4: Inter-band CA within FR1 (three bands) PC2 UE RF Baseline Implementation Capabilities

Item	CA configuration	Inter-band CA within FR1 (three bands) PC2 UE RF Baseline Implementation Capabilities	Ref.	Release	Mnemonic	Comments
0	CA_n2A-n48A-n77A	n2 band: 1850-1910 MHz (UL), 1930-1990 MHz (DL) n48 band: 3550-3700 MHz n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-18	pc_UL_inter_band_CA_n2A_n77A_PC2_Supp	
1	CA_n2A-n5A-n77A	n2 band: 1850-1910 MHz (UL), 1930-1990 MHz (DL) n5 band: 824-849 MHz (UL), 869-894 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n2A_n77A_PC2_Supp	
2	CA_n2A-n5A-n77A	n2 band: 1850-1910 MHz (UL), 1930-1990 MHz (DL) n5 band: 824-849 MHz (UL), 869-894 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n5A_n77A_PC2_Supp	
2A	CA_n2(2A)-n5A-n77A	n2 band: 1850-1910 MHz (UL), 1930-1990 MHz (DL) n5 band: 824-849 MHz (UL), 869-894 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n2A_n77A_PC2_Supp	
2B	CA_n2(2A)-n5A-n77A	n2 band: 1850-1910 MHz (UL), 1930-1990 MHz (DL) n5 band: 824-849 MHz (UL), 869-894 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n5A_n77A_PC2_Supp	
2C	CA_n2A-n5A-n77(2A)	n2 band: 1850-1910 MHz (UL), 1930-1990 MHz (DL) n5 band: 824-849 MHz (UL), 869-894 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n2A_n77A_PC2_Supp	
2D	CA_n2A-n5A-n77(2A)	n2 band: 1850-1910 MHz (UL), 1930-1990 MHz (DL) n5 band: 824-849 MHz (UL), 869-894 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n5A_n77A_PC2_Supp	
2E	CA_n2A-n14A-n77A	n2 band: 1850-1910 MHz (UL), 1930-1990 MHz (DL) n14 band: 788-798 MHz (UL), 758-768 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n2A_n77A_PC2_Supp	
2F	CA_n2A-n14A-n77A	n2 band: 1850-1910 MHz (UL), 1930-1990 MHz (DL) n14 band: 788-798 MHz (UL), 758-768 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n14A_n77A_PC2_Supp	
2G	CA_n2(2A)-n14A-n77A	n2 band: 1850-1910 MHz (UL), 1930-1990 MHz (DL) n14 band: 788-798 MHz (UL), 758-768 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n2A_n77A_PC2_Supp	
2H	CA_n2(2A)-n14A-n77A	n2 band: 1850-1910 MHz (UL), 1930-1990 MHz (DL) n14 band: 788-798 MHz (UL), 758-768 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n14A_n77A_PC2_Supp	
2I	CA_n2A-n14A-n77(2A)	n2 band: 1850-1910 MHz (UL), 1930-1990 MHz (DL) n14 band: 788-798 MHz (UL), 758-768 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n2A_n77A_PC2_Supp	
2J	CA_n2A-n14A-n77(2A)	n2 band: 1850-1910 MHz (UL), 1930-1990 MHz (DL) n14 band: 788-798 MHz (UL), 758-768 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n14A_n77A_PC2_Supp	

3	CA_n2A-n66A-n77A	n2 band: 1850-1910 MHz (UL), 1930-1990 MHz (DL) n66 band: 1710-1780 MHz (UL), 2110-2200 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_ban d_CA_n2A_n77A _PC2_Supp	
4	CA_n2A-n66A-n77A	n2 band: 1850-1910 MHz (UL), 1930-1990 MHz (DL) n66 band: 1710-1780 MHz (UL), 2110-2200 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_ban d_CA_n66A_n77 A_PC2_Supp	
4A	CA_n5A-n48A-n77A	n5 band: 824-849 MHz (UL), 869- 894 MHz (DL) n48 band: 3550-3700 MHz n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-18	pc_UL_inter_ban d_CA_n5A_n77A _PC2_Supp	
4B	CA_n2(2A)- n66A-n77A	n2 band: 1850-1910 MHz (UL), 1930-1990 MHz (DL) n66 band: 1710-1780 MHz (UL), 2110-2200 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_ban d_CA_n2A_n77A _PC2_Supp	
4C	CA_n2(2A)- n66A-n77A	n2 band: 1850-1910 MHz (UL), 1930-1990 MHz (DL) n66 band: 1710-1780 MHz (UL), 2110-2200 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_ban d_CA_n66A_n77 A_PC2_Supp	
4D	CA_n2A- n66(2A)-n77A	n2 band: 1850-1910 MHz (UL), 1930-1990 MHz (DL) n66 band: 1710-1780 MHz (UL), 2110-2200 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_ban d_CA_n2A_n77A _PC2_Supp	
4E	CA_n2A- n66(2A)-n77A	n2 band: 1850-1910 MHz (UL), 1930-1990 MHz (DL) n66 band: 1710-1780 MHz (UL), 2110-2200 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_ban d_CA_n66A_n77 A_PC2_Supp	
4F	CA_n2A-n66A- n77(2A)	n2 band: 1850-1910 MHz (UL), 1930-1990 MHz (DL) n66 band: 1710-1780 MHz (UL), 2110-2200 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_ban d_CA_n2A_n77A _PC2_Supp	
4G	CA_n2A-n66A- n77(2A)	n2 band: 1850-1910 MHz (UL), 1930-1990 MHz (DL) n66 band: 1710-1780 MHz (UL), 2110-2200 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_ban d_CA_n66A_n77 A_PC2_Supp	
5	CA_n5A-n66A- n77A	n5 band: 824-849 MHz (UL), 869- 894 MHz (DL) n66 band: 1710-1780 MHz (UL), 2110-2200 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_ban d_CA_n5A_n77A _PC2_Supp	
6	CA_n5A-n66A- n77A	n5 band: 824-849 MHz (UL), 869- 894 MHz (DL) n66 band: 1710-1780 MHz (UL), 2110-2200 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_ban d_CA_n66A_n77 A_PC2_Supp	
6A	CA_n5A- n66(2A)-n77A	n5 band: 824-849 MHz (UL), 869- 894 MHz (DL) n66 band: 1710-1780 MHz (UL), 2110-2200 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_ban d_CA_n5A_n77A _PC2_Supp	
6B	CA_n5A- n66(2A)-n77A	n5 band: 824-849 MHz (UL), 869- 894 MHz (DL) n66 band: 1710-1780 MHz (UL), 2110-2200 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_ban d_CA_n66A_n77 A_PC2_Supp	

6C	CA_n5A-n66A-n77(2A)	n5 band: 824-849 MHz (UL), 869-894 MHz (DL) n66 band: 1710-1780 MHz (UL), 2110-2200 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n5A_n77A_PC2_Supp	
6D	CA_n5A-n66A-n77(2A)	n5 band: 824-849 MHz (UL), 869-894 MHz (DL) n66 band: 1710-1780 MHz (UL), 2110-2200 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n66A_n77A_PC2_Supp	
6E	CA_n14A-n66A-n77A	n14 band: 788-798 MHz (UL), 758-768 MHz (DL) n66 band: 1710-1780 MHz (UL), 2110-2200 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n14A_n77A_PC2_Supp	
6F	CA_n14A-n66A-n77A	n14 band: 788-798 MHz (UL), 758-768 MHz (DL) n66 band: 1710-1780 MHz (UL), 2110-2200 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n66A_n77A_PC2_Supp	
6G	CA_n14A-n66(2A)-n77A	n14 band: 788-798 MHz (UL), 758-768 MHz (DL) n66 band: 1710-1780 MHz (UL), 2110-2200 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n14A_n77A_PC2_Supp	
6H	CA_n14A-n66(2A)-n77A	n14 band: 788-798 MHz (UL), 758-768 MHz (DL) n66 band: 1710-1780 MHz (UL), 2110-2200 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n66A_n77A_PC2_Supp	
6I	CA_n14A-n66-n77(2A)	n14 band: 788-798 MHz (UL), 758-768 MHz (DL) n66 band: 1710-1780 MHz (UL), 2110-2200 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n14A_n77A_PC2_Supp	
6J	CA_n14A-n66A-n77(2A)	n14 band: 788-798 MHz (UL), 758-768 MHz (DL) n66 band: 1710-1780 MHz (UL), 2110-2200 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n66A_n77A_PC2_Supp	
7	CA_n48A-n66A-n77A	n48 band: 3550-3700 MHz n66 band: 1710-1780 MHz (UL), 2110-2200 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-18	pc_UL_inter_band_CA_n66A_n77A_PC2_Supp	

A.4.3.2A.4.3 NR Inter-band CA within FR1 (four bands)

Table A.4.3.2A.4.3-1: Downlink Bandwidth Class Combination capabilities for NR Inter-band CA configuration within FR1 and four bands (for one or more of the supported CA configurations in Table A.4.3.2A.4.3-3)

Item	DL NR FR1 Inter-band CA Bandwidth Class	Ref.	Mnemonic	Comments
1	DL NR FR1 Inter-band CA BW Class Combination A-A-A-A (four bands)	38.101-1, 5.3A.5	pc_DL_inter_band_CA_NR_FR1_4B_Class_A-A-A-A	
2	DL NR FR1 Inter-band CA BW Class Combination A-A-B-A (four bands)	38.101-1, 5.3A.5	pc_DL_inter_band_CA_NR_FR1_4B_Class_A-A-B-A	
3	DL NR FR1 Inter-band CA BW Class Combination A-B-A-A (four bands)	38.101-1, 5.3A.5	pc_DL_inter_band_CA_NR_FR1_4B_Class_A-B-A-A	
4	DL NR FR1 Inter-band CA BW Class Combination A-A-A-C (four bands)	38.101-1, 5.3A.5	pc_DL_inter_band_CA_NR_FR1_4B_Class_A-A-A-C	

Table A.4.3.2A.4.3-2: Uplink Bandwidth Class Combination capabilities for NR Inter-band CA within FR1 and four bands (for one or more of the supported CA configurations in Table A.4.3.2A.4.3-3)

Item	UL NR FR1 Inter-band CA Bandwidth Class	Ref.	Mnemonic	Comments
1	UL NR FR1 Inter-band CA BW Class Combination A-A (four bands)	38.101-1, 5.3A.5	pc_UL_inter_band_CA_NR_FR1_4B_Class_A-A	
2	UL NR FR1 Inter-band CA BW Class Combination C (four bands)	38.101-1, 5.3A.5	pc_UL_inter_band_CA_NR_FR1_4B_Class_C	

Table A.4.3.2A.4.3-3: Supported configurations for NR Inter-band CA within FR1 and four bands

NR FR1 Inter-band CA configuration / Item (Note 1, 7)	Release	Supported	Supported CA Bandwidth Class(es) in UL (Note 2,5)	Supported Bandwidth Combination Set(s) (Note 3)
CA_n1A-n3A-n28A-n78A	Rel-16			
CA_n2A-n5A-n48A-n66A	Rel-17			
CA_n2A-n5A-n48A-n77A	Rel-17			
CA_n2A-n5A-n48A-n77C	Rel-17			
CA_n2A-n5A-n66A-n77A	Rel-17			
CA_n2A-n5A-n66A-n77C	Rel-17			
CA_n2A-n5A-n66A-n77C	Rel-18			
CA_n2A-n48A-n66A-n77A	Rel-17			
CA_n2A-n48A-n66A-n77C	Rel-17			
CA_n3A-n28A-n40A-n77A	Rel-18			
CA_n3A-n28A-n41A-n77A	Rel-17			
CA_n5A-n48A-n66A-n77A	Rel-17			
CA_n5A-n48A-n66A-n77C	Rel-17			
Note 1: Notation used for inter-band CA Bands is according to TS 38.101-1 [23] Table 5.5A.3.3-1. Note 2: The UL CA capabilities as per Table A.4.3.2A.4.3-2 can be supported on a single or multiple CA Band(s). The UE supplier shall indicate all supported UL CA Bandwidth Class(es), in uplink of the supported CA Band(s), as per TS 38.101-1 [23] Table 5.5A.3.3-1. For this release of specification valid choices are 'N', 'nXA-nYA', 'nX(2A)' and 'nXC', where both nX and nY are the NR bands. For example, for CA_nXA-nYA-nWA-nZA, 'N' would mean only DL CA, 'nXA-nYA' would mean both DL and UL CA. Note 3: The UE supplier shall indicate the supported Bandwidth Combination Set(s) as per TS 38.101-1 [23] Table 5.5A.3.3-1. Note 4: Void. Note 5: See UL(<i>table_index</i>) in Note 1 of Table 4.0-3 and UL_nCC(<i>table_index</i>) in Note 2 of Table 4.0-3 in TS 38.522 [9]. Note 6: A UE that supports NR Band n66 (Table A.4.3.1-1) and CA operation in any CA band shall also comply with the minimum requirements specified for the DL CA configurations CA_n66B and CA_n66(2A) in the current version of the specification as per Note 7, in Table 5.2-1, in TS 38.521-1 [5]. Note 7: See DL_nCC(<i>table_index</i>) in Note 4 of Table 4.0-3 in TS 38.522 [9].				

Table A.4.3.2A.4.3-4: Inter-band CA within FR1 (four bands) PC2 UE RF Baseline Implementation Capabilities

Item	CA configuration	Inter-band CA within FR1 (four bands) PC2 UE RF Baseline Implementation Capabilities	Ref.	Release	Mnemonic	Comments
1	CA_n2A-n5A-n48A-n77A	n2 band: 1850-1910 MHz (UL), 1930-1990 MHz (DL) n5 band: 824-849 MHz (UL), 869-894 MHz (DL) n48 band: 3550-3700 MHz n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-18	pc_UL_inter_band_CA_n2A_n77A_PC2_Supp	
2	CA_n2A-n5A-n48A-n77A	n2 band: 1850-1910 MHz (UL), 1930-1990 MHz (DL) n5 band: 824-849 MHz (UL), 869-894 MHz (DL) n48 band: 3550-3700 MHz n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-18	pc_UL_inter_band_CA_n5A_n77A_PC2_Supp	
3	CA_n2A-n5A-n66A-n77A	n2 band: 1850-1910 MHz (UL), 1930-1990 MHz (DL) n5 band: 824-849 MHz (UL), 869-894 MHz (DL) n66 band: 1710-1780 MHz (UL), 2110-2200 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n2A_n77A_PC2_Supp	
4	CA_n2A-n5A-n66A-n77A	n2 band: 1850-1910 MHz (UL), 1930-1990 MHz (DL) n5 band: 824-849 MHz (UL), 869-894 MHz (DL) n66 band: 1710-1780 MHz (UL), 2110-2200 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n5A_n77A_PC2_Supp	
5	CA_n2A-n5A-n66A-n77A	n2 band: 1850-1910 MHz (UL), 1930-1990 MHz (DL) n5 band: 824-849 MHz (UL), 869-894 MHz (DL) n66 band: 1710-1780 MHz (UL), 2110-2200 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-17	pc_UL_inter_band_CA_n66A_n77A_PC2_Supp	
6	CA_n2A-n48A-n66A-n77A	n2 band: 1850-1910 MHz (UL), 1930-1990 MHz (DL) n48 band: 3550-3700 MHz n66 band: 1710-1780 MHz (UL), 2110-2200 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-18	pc_UL_inter_band_CA_n2A_n77A_PC2_Supp	
7	CA_n2A-n48A-n66A-n77A	n2 band: 1850-1910 MHz (UL), 1930-1990 MHz (DL) n48 band: 3550-3700 MHz n66 band: 1710-1780 MHz (UL), 2110-2200 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-18	pc_UL_inter_band_CA_n66A_n77A_PC2_Supp	
8	CA_n5A-n48A-n66A-n77A	n5 band: 824-849 MHz (UL), 869-894 MHz (DL) n48 band: 3550-3700 MHz n66 band: 1710-1780 MHz (UL), 2110-2200 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-18	pc_UL_inter_band_CA_n5A_n77A_PC2_Supp	
9	CA_n5A-n48A-n66A-n77A	n5 band: 824-849 MHz (UL), 869-894 MHz (DL) n48 band: 3550-3700 MHz n66 band: 1710-1780 MHz (UL), 2110-2200 MHz (DL) n77 band: 3300-4200 MHz	38.101-1, 6.2A.1.3	Rel-18	pc_UL_inter_band_CA_n66A_n77A_PC2_Supp	

A.4.3.2A.5 NR Inter-band CA within FR2

A.4.3.2A.5.1 NR Inter-band CA within FR2 (two bands)

Table A.4.3.2A.5.1-1: Downlink Bandwidth Class Combination capabilities for NR Inter-band CA configuration within FR2 and two bands (for one or more of the supported CA configurations in Table A.4.3.2A.5.1-3)

Item	DL NR FR2 Inter-band CA Bandwidth Class	Ref.	Mnemonic	Comments
1	DL NR FR2 Inter-band CA BW Class Combination A-A (two bands)	38.101-2, 5.3A.4	pc_DL_inter_band_CA_NR_FR2_2B_Class_A-A	

Table A.4.3.2A.5.1-2: Uplink Bandwidth Class Combination capabilities for NR Inter-band CA within FR2 and two bands (for one or more of the supported CA configurations in Table A.4.3.2A.5.1-3)

Item	UL NR FR2 Inter-band CA Bandwidth Class	Ref.	Mnemonic	Comments
1	UL NR FR2 Inter-band CA BW Class Combination A-A (two bands)	38.101-2, 5.3A.4	pc_UL_inter_band_CA_NR_FR2_2B_Class_A-A	

Table A.4.3.2A.5.1-3: Supported configurations for NR Inter-band CA within FR2 and two bands

TBD

A.4.3.2A.6 NR Inter-band CA between FR1 and FR2

A.4.3.2A.6.1 NR Inter-band CA between FR1 and FR2 (two bands)

Table A.4.3.2A.6.1-1: Downlink Bandwidth Class Combination capabilities for NR Inter-band CA configuration between FR1 and FR2 and two bands (for one or more of the supported CA configurations in Table A.4.3.2A.6.1-3)

Item	DL NR FR1 and FR2 Inter-band CA Bandwidth Class	Ref.	Mnemonic	Comments
1	DL NR FR1 and FR2 Inter-band CA BW Class Combination A-A (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_2B_Class_A-A	
2	DL NR FR1 and FR2 Inter-band CA BW Class Combination A-D (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_2B_Class_A-D	
3	DL NR FR1 and FR2 Inter-band CA BW Class Combination A-E (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_2B_Class_A-E	
4	DL NR FR1 and FR2 Inter-band CA BW Class Combination A-F (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_2B_Class_A-F	
5	DL NR FR1 and FR2 Inter-band CA BW Class Combination A-G (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_2B_Class_A-G	
6	DL NR FR1 and FR2 Inter-band CA BW Class Combination A-H (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_2B_Class_A-H	
7	DL NR FR1 and FR2 Inter-band CA BW Class Combination A-I (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_2B_Class_A-I	
8	DL NR FR1 and FR2 Inter-band CA BW Class Combination A-J (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_2B_Class_A-J	
9	DL NR FR1 and FR2 Inter-band CA BW Class Combination A-K (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_2B_Class_A-K	
10	DL NR FR1 and FR2 Inter-band CA BW Class Combination A-L (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_2B_Class_A-L	
11	DL NR FR1 and FR2 Inter-band CA BW Class Combination A-M (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_2B_Class_A-M	
12	DL NR FR1 and FR2 Inter-band CA BW Class Combination A-(2A) (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_2B_Class_A-(2A)	
13	DL NR FR1 and FR2 Inter-band CA BW Class Combination A-(3A) (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_2B_Class_A-(3A)	
14	DL NR FR1 and FR2 Inter-band CA BW Class Combination A-(4A) (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_2B_Class_A-(4A)	
15	DL NR FR1 and FR2 Inter-band CA BW Class Combination A-(5A) (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_2B_Class_A-(5A)	
16	DL NR FR1 and FR2 Inter-band CA BW Class Combination A-(6A) (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_2B_Class_A-(6A)	
17	DL NR FR1 and FR2 Inter-band CA BW Class Combination A-(7A) (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_2B_Class_A-(7A)	
18	DL NR FR1 and FR2 Inter-band CA BW Class Combination A-(8A) (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_2B_Class_A-(8A)	
19	DL NR FR1 and FR2 Inter-band CA BW Class Combination A-(2G) (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_2B_Class_A-(2G)	
20	DL NR FR1 and FR2 Inter-band CA BW Class Combination A-(2H) (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_2B_Class_A-(2H)	
21	DL NR FR1 and FR2 Inter-band CA BW Class Combination A-(2I) (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_2B_Class_A-(2I)	

22	DL NR FR1 and FR2 Inter-band CA BW Class Combination (2A)-A (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_2B_Class_(2A)-A	
23	DL NR FR1 and FR2 Inter-band CA BW Class Combination (2A)-(2A) (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_2B_Class_(2A)-(2A)	
24	DL NR FR1 and FR2 Inter-band CA BW Class Combination (2A)-D (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_2B_Class_(2A)-D	
25	DL NR FR1 and FR2 Inter-band CA BW Class Combination (2A)-G (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_2B_Class_(2A)-G	
26	DL NR FR1 and FR2 Inter-band CA BW Class Combination (2A)-H (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_2B_Class_(2A)-H	
27	DL NR FR1 and FR2 Inter-band CA BW Class Combination (2A)-I (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_2B_Class_(2A)-I	
28	DL NR FR1 and FR2 Inter-band CA BW Class Combination (2A)-J (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_2B_Class_(2A)-J	
29	DL NR FR1 and FR2 Inter-band CA BW Class Combination (2A)-K (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_2B_Class_(2A)-K	
30	DL NR FR1 and FR2 Inter-band CA BW Class Combination (2A)-L (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_2B_Class_(2A)-L	
31	DL NR FR1 and FR2 Inter-band CA BW Class Combination (2A)-M (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_2B_Class_(2A)-M	
32	DL NR FR1 and FR2 Inter-band CA BW Class Combination C-A (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_2B_Class_C-A	
33	DL NR FR1 and FR2 Inter-band CA BW Class Combination C-(2A) (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_2B_Class_C-(2A)	
34	DL NR FR1 and FR2 Inter-band CA BW Class Combination C-D (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_2B_Class_C-D	
35	DL NR FR1 and FR2 Inter-band CA BW Class Combination C-E (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_2B_Class_C-E	
36	DL NR FR1 and FR2 Inter-band CA BW Class Combination C-F (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_2B_Class_C-F	
37	DL NR FR1 and FR2 Inter-band CA BW Class Combination G-H (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_2B_Class_G-H	
38	DL NR FR1 and FR2 Inter-band CA BW Class Combination G-I (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_2B_Class_G-I	
39	DL NR FR1 and FR2 Inter-band CA BW Class Combination H-I (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_2B_Class_H-I	

Table A.4.3.2A.6.1-2: Uplink Bandwidth Class Combination capabilities for NR Inter-band CA between FR1 and FR2 and two bands (for one or more of the supported CA configurations in Table A.4.3.2A.6.1-3)

Item	UL NR FR1 and FR2 Inter-band CA Bandwidth Class	Ref.	Mnemonic	Comments
1	UL NR FR1 and FR2 Inter-band CA BW Class Combination A-A (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_UL_inter_band_CA_NR_FR1_FR2_2B_Class_A-A	
2	UL NR FR1 and FR2 Inter-band CA BW Class Combination A-D (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_UL_inter_band_CA_NR_FR1_FR2_2B_Class_A-D	
3	UL NR FR1 and FR2 Inter-band CA BW Class Combination A-G (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_UL_inter_band_CA_NR_FR1_FR2_2B_Class_A-G	
4	UL NR FR1 and FR2 Inter-band CA BW Class Combination A-H (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_UL_inter_band_CA_NR_FR1_FR2_2B_Class_A-H	
5	UL NR FR1 and FR2 Inter-band CA BW Class Combination A-I (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_UL_inter_band_CA_NR_FR1_FR2_2B_Class_A-I	
6	UL NR FR1 and FR2 Inter-band CA BW Class Combination A-J (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_UL_inter_band_CA_NR_FR1_FR2_2B_Class_A-J	
7	UL NR FR1 and FR2 Inter-band CA BW Class Combination A-K (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_UL_inter_band_CA_NR_FR1_FR2_2B_Class_A-K	
8	UL NR FR1 and FR2 Inter-band CA BW Class Combination A-L (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_UL_inter_band_CA_NR_FR1_FR2_2B_Class_A-L	
9	UL NR FR1 and FR2 Inter-band CA BW Class Combination A-M (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_UL_inter_band_CA_NR_FR1_FR2_2B_Class_A-M	
10	UL NR FR1 and FR2 Inter-band CA BW Class Combination G (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_UL_inter_band_CA_NR_FR1_FR2_2B_Class_G	
11	UL NR FR1 and FR2 Inter-band CA BW Class Combination H (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_UL_inter_band_CA_NR_FR1_FR2_2B_Class_H	
12	UL NR FR1 and FR2 Inter-band CA BW Class Combination I (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_UL_inter_band_CA_NR_FR1_FR2_2B_Class_I	
13	UL NR FR1 and FR2 Inter-band CA BW Class Combination J (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_UL_inter_band_CA_NR_FR1_FR2_2B_Class_J	
14	UL NR FR1 and FR2 Inter-band CA BW Class Combination K (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_UL_inter_band_CA_NR_FR1_FR2_2B_Class_K	
15	UL NR FR1 and FR2 Inter-band CA BW Class Combination L (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_UL_inter_band_CA_NR_FR1_FR2_2B_Class_L	
16	UL NR FR1 and FR2 Inter-band CA BW Class Combination M (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_UL_inter_band_CA_NR_FR1_FR2_2B_Class_M	

Table A.4.3.2A.6.1-3: Supported configurations for NR Inter-band CA between FR1 and FR2 and two bands

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A.4.3.2A.6.2 NR Inter-band CA between FR1 and FR2 (three bands)

Table A.4.3.2A.6.2-1: Downlink Bandwidth Class Combination capabilities for NR Inter-band CA configuration between FR1 and FR2 and three bands (for one or more of the supported CA configurations in Table A.4.3.2A.6.2-3)

Item	DL NR FR1 and FR2 Inter-band CA Bandwidth Class	Ref.	Mnemonic	Comments
1	DL NR FR1 and FR2 Inter-band CA BW Class Combination A-A-A (three bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_3B_Class_A-A-A	
2	DL NR FR1 and FR2 Inter-band CA BW Class Combination A-A-D (three bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_3B_Class_A-A-D	
3	DL NR FR1 and FR2 Inter-band CA BW Class Combination A-A-G (three bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_3B_Class_A-A-G	
4	DL NR FR1 and FR2 Inter-band CA BW Class Combination A-A-H (three bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_3B_Class_A-A-H	
5	DL NR FR1 and FR2 Inter-band CA BW Class Combination A-A-I (three bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_3B_Class_A-A-I	
6	DL NR FR1 and FR2 Inter-band CA BW Class Combination A-(2A)-A (three bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_3B_Class_A-(2A)-A	
7	DL NR FR1 and FR2 Inter-band CA BW Class Combination A-(2A)-D (three bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_3B_Class_A-(2A)-D	
8	DL NR FR1 and FR2 Inter-band CA BW Class Combination A-(2A)-G (three bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_3B_Class_A-(2A)-G	
9	DL NR FR1 and FR2 Inter-band CA BW Class Combination A-(2A)-H (three bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_3B_Class_A-(2A)-H	
10	DL NR FR1 and FR2 Inter-band CA BW Class Combination A-(2A)-I (three bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_3B_Class_A-(2A)-I	

Table A.4.3.2A.6.2-2: Uplink Bandwidth Class Combination capabilities for NR Inter-band CA between FR1 and FR2 and three bands (for one or more of the supported CA configurations in Table A.4.3.2A.6.2-3)

Item	UL NR FR1 and FR2 Inter-band CA Bandwidth Class	Ref.	Mnemonic	Comments
1	UL NR FR1 and FR2 Inter-band CA BW Class Combination A-A (three bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_UL_inter_band_CA_NR_FR1_FR2_3B_Classes_A-A	
2	UL NR FR1 and FR2 Inter-band CA BW Class Combination A-D (three bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_UL_inter_band_CA_NR_FR1_FR2_3B_Classes_A-D	
3	UL NR FR1 and FR2 Inter-band CA BW Class Combination A-G (three bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_UL_inter_band_CA_NR_FR1_FR2_3B_Classes_A-G	
4	UL NR FR1 and FR2 Inter-band CA BW Class Combination A-H (three bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_UL_inter_band_CA_NR_FR1_FR2_3B_Classes_A-H	
5	UL NR FR1 and FR2 Inter-band CA BW Class Combination A-I (three bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_UL_inter_band_CA_NR_FR1_FR2_3B_Classes_A-I	

Table A.4.3.2A.6.2-3: Supported configurations for NR Inter-band CA between FR1 and FR2 and three bands

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A.4.3.2A.6.3 NR Inter-band CA between FR1 and FR2 (four bands)**Table A.4.3.2A.6.3-1: Downlink Bandwidth Class Combination capabilities for NR Inter-band CA configuration between FR1 and FR2 and four bands (for one or more of the supported CA configurations in Table A.4.3.2A.6.3-3)**

Item	DL NR FR1 and FR2 Inter-band CA Bandwidth Class	Ref.	Mnemonic	Comments
1	DL NR FR1 and FR2 Inter-band CA BW Class Combination A-A-A-A (four bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_4B_Classes_A-A-A-A	
2	DL NR FR1 and FR2 Inter-band CA BW Class Combination A-A-A-D (four bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_4B_Classes_A-A-A-D	
3	DL NR FR1 and FR2 Inter-band CA BW Class Combination A-A-A-G (four bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_4B_Classes_A-A-A-G	
4	DL NR FR1 and FR2 Inter-band CA BW Class Combination A-A-A-H (four bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_4B_Classes_A-A-A-H	
5	DL NR FR1 and FR2 Inter-band CA BW Class Combination A-A-A-I (four bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_4B_Classes_A-A-A-I	
6	DL NR FR1 and FR2 Inter-band CA BW Class Combination A-A-(2A)-A (four bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_4B_Classes_A-A-(2A)-A	
7	DL NR FR1 and FR2 Inter-band CA BW Class Combination A-A-(2A)-D (four bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_4B_Classes_A-A-(2A)-D	
8	DL NR FR1 and FR2 Inter-band CA BW Class Combination A-A-(2A)-G (four bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_4B_Classes_A-A-(2A)-G	
9	DL NR FR1 and FR2 Inter-band CA BW Class Combination A-A-(2A)-H (four bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_4B_Classes_A-A-(2A)-H	
10	DL NR FR1 and FR2 Inter-band CA BW Class Combination A-A-(2A)-I (four bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_DL_inter_band_CA_NR_FR1_FR2_4B_Classes_A-A-(2A)-I	

Table A.4.3.2A.6.3-2: Uplink Bandwidth Class Combination capabilities for NR Inter-band CA between FR1 and FR2 and four bands (for one or more of the supported CA configurations in Table A.4.3.2A.6.3-3)

Item	UL NR FR1 and FR2 Inter-band CA Bandwidth Class	Ref.	Mnemonic	Comments
1	UL NR FR1 and FR2 Inter-band CA BW Class Combination A-A (four bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5A.1	pc_UL_inter_band_CA_NR_FR1_FR2_4B_Classes_A-A	Not used in any valid CA configurations in TS 38.101-3 [25] yet

Table A.4.3.2A.6.3-3: Supported configurations for NR Inter-band CA between FR1 and FR2 and four bands

TBD

A.4.3.2B NR-DC, EN-DC and NE-DC Physical Layer Baseline Implementation Capabilities

NOTE: See Annex B for status of completed NR-DC, EN-DC and NE-DC configurations and power classes in this version of 3GPP UE conformance test specifications.

A.4.3.2B.1 NR-DC Physical Layer Baseline Implementation Capabilities

A.4.3.2B.1.0 General NR-DC capabilities

Table A.4.3.2B.1.0-1: Downlink NR-DC capabilities (for one or more of the supported NR-DC configurations)

Item	Bandwidth Class	Ref.	Mnemonic	Comments
1	DL NR-DC with 2 carriers	38.101-3, 5.5B	pc_DL_NR_DC_2CC	
2	DL NR-DC with 3 carriers	38.101-3, 5.5B	pc_DL_NR_DC_3CC	
3	DL NR-DC with 4 carriers	38.101-3, 5.5B	pc_DL_NR_DC_4CC	
4	DL NR-DC with 5 carriers	38.101-3, 5.5B	pc_DL_NR_DC_5CC	
5	DL NR-DC with 6 carriers	38.101-3, 5.5B	pc_DL_NR_DC_6CC	
6	DL NR-DC with 7 carriers	38.101-3, 5.5B	pc_DL_NR_DC_7CC	
7	DL NR-DC with 8 carriers	38.101-3, 5.5B	pc_DL_NR_DC_8CC	
8	DL NR-DC with 9 carriers	38.101-3, 5.5B	pc_DL_NR_DC_9CC	
9	DL NR-DC with 10 carriers	38.101-3, 5.5B	pc_DL_NR_DC_10CC	

Table A.4.3.2B.1.0-2: Uplink NR-DC capabilities (for one or more of the supported NR-DC configurations)

Item	Bandwidth Class	Ref.	Mnemonic	Comments
1	UL NR-DC with 2 carriers	38.101-3, 5.5B	pc_UL_NR_DC_2CC	
2	UL NR-DC with 3 carriers	38.101-3, 5.5B	pc_UL_NR_DC_3CC	
3	UL NR-DC with 4 carriers	38.101-3, 5.5B	pc_UL_NR_DC_4CC	
4	UL NR-DC with 5 carriers	38.101-3, 5.5B	pc_UL_NR_DC_5CC	
5	UL NR-DC with 6 carriers	38.101-3, 5.5B	pc_UL_NR_DC_6CC	
6	UL NR-DC with 7 carriers	38.101-3, 5.5B	pc_UL_NR_DC_7CC	
7	UL NR-DC with 8 carriers	38.101-3, 5.5B	pc_UL_NR_DC_8CC	
8	UL NR-DC with 9 carriers	38.101-3, 5.5B	pc_UL_NR_DC_9CC	
9	UL NR-DC with 10 carriers	38.101-3, 5.5B	pc_UL_NR_DC_10CC	

A.4.3.2B.1.0a NR-DC within FR1

A.4.3.2B.1.0a.1 NR-DC within FR1 (two bands)

Table A.4.3.2B.1.0a.1-1: Downlink NR-DC Bandwidth Class Combination capabilities within FR1 and two bands (for one or more of the supported DC configurations in Table A.4.3.2B.1.0a.1-3)

Item	DL NR-DC FR1 Bandwidth Class (two bands)	Ref.	Mnemonic	Comments
1	DL NR-DC FR1 BW Class Combination A-A (two bands)	38.101-1, 5.5B	pc_DL_NR_DC_FR1_2B_Class_A-A	

Table A.4.3.2B.1.0a.1-2: Uplink NR-DC Bandwidth Class Combination capabilities within FR1 and two bands (for one or more of the supported DC configurations in Table A.4.3.2B.1.0a.1-3)

Item	UL NR-DC FR1 Bandwidth Class (two bands)	Ref.	Mnemonic	Comments
1	UL NR-DC FR1 BW Class Combination A-A (two bands)	38.101-1, 5.5B	pc_UL_NR_DC_FR1_2B_Class_A-A	

Table A.4.3.2B.1.0a.1-3: Supported NR-DC configurations within FR1 (two bands)

NR FR1 Inter-band NR-DC configuration / Item (Note 1, 6)	Release	Supported	Supported NR-DC Bandwidth Class(es) in UL (Note 2,3)	Supported Bandwidth Combination Set(s)	Supported ULTxSwitching Band Pair (Note 4, 5)
DC_n48A_n70A	Rel-17				
Note 1: Notation used for inter-band NR-DC Bands is according to TS 38.101-1 [23] Table 5.5B.1-1, e.g. 'DC_n2A-n48C' indicates NR-DC operation on NR band n2 and n48 with DL CA Bandwidth Class A and C respectively. Note 2: The UL NR-DC capabilities as per Table A.4.3.2B.1.0a.1-2 can be supported on a single or multiple CA Band(s). The UE supplier shall indicate all supported UL NR-DC Bandwidth Class(es), in uplink of the supported NR-DC Band(s), as per TS 38.101-1 [23] Table 5.5B.1-1. For this release of specification valid choices are 'N', 'nXA-nYA', 'nX(2A)', 'nXB' and 'nXC', where both nX and nY are the NR bands. For example, for DC_n48A-n70A, 'N' would mean only DL NR_DC, 'n48A-n70A' would mean both DL and UL NR-DC. Note 3: See UL(<i>table_index</i>) in Note 1 of Table 4.0-3 and UL_nCC(<i>table_index</i>) in Note 2 of Table 4.0-3 in TS 38.522 [9]. Note 4: The ULTxSwitching capability can be reported on inter-band NR-DC band combinations. The UE supplier shall indicate inter-band NR-DC band pairs on which it supports ULTxSwitching. For this release of specification valid choices are 'N' and 'nX-nY', where both nX and nY are NR bands. For example, for DC_n48A-n70A, 'N' would mean not supporting ULTxSwitching, 'n48-n70' would mean supporting of ULTxSwitching on this band pair. If UE supplier indicates supporting of ULTxSwitching on a band pair, they shall indicate at least one inter-band UL NR-DC configuration on the same band pair in the column "Supported NR-DC Bandwidth Class(es) in UL". The ULTxSwitching is only tested with 2 UL CCs, so UE is allowed to report 'N' by default for NR-DC configuration with > 2 component carriers. Note 5: See ULTxSwitching(<i>table_index</i>) Note 6 of Table 4.0-3 in TS 38.522 [9]. Note 6: See DL_nCC(<i>table_index</i>) in Note 4 of Table 4.0-3 in TS 38.522 [9].					

A.4.3.2B.1.0b NR-DC within FR2

TBD

A.4.3.2B.1.1 NR-DC between FR1 and FR2

A.4.3.2B.1.1.1 NR-DC between FR1 and FR2 (two bands)

Table A.4.3.2B.1.1.1-1: Downlink NR-DC Bandwidth Class Combination capabilities between FR1 and FR2 and two bands (for one or more of the supported DC configurations in Table A.4.3.2B.1.1.1-2)

Item	DL NR-DC between FR1 and FR2 Bandwidth Class (two bands)	Ref.	Mnemonic	Comments
1	DL NR-DC FR1 and FR2 BW Class Combination A-A (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5B.7	pc_DL_NR_DC_F R1_FR2_2B_Clas s_A-A	
2	DL NR-DC FR1 and FR2 BW Class Combination A-(2A) (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5B.7	pc_DL_NR_DC_F R1_FR2_2B_Clas s_A-(2A)	
3	DL NR-DC FR1 and FR2 BW Class Combination A-(3A) (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5B.7	pc_DL_NR_DC_F R1_FR2_2B_Clas s_A-(3A)	
4	DL NR-DC FR1 and FR2 BW Class Combination A-(4A) (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5B.7	pc_DL_NR_DC_F R1_FR2_2B_Clas s_A-(4A)	
5	DL NR-DC FR1 AND FR2 BW Class Combination A-D (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5B.7	pc_DL_NR_DC_F R1_FR2_2B_Clas s_A-D	
6	DL NR-DC FR1 AND FR2 BW Class Combination A-E (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5B.7	pc_DL_NR_DC_F R1_FR2_2B_Clas s_A-E	
7	DL NR-DC FR1 AND FR2 BW Class Combination A-F (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5B.7	pc_DL_NR_DC_F R1_FR2_2B_Clas s_A-F	
8	DL NR-DC FR1 AND FR2 BW Class Combination A-G (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5B.7	pc_DL_NR_DC_F R1_FR2_2B_Clas s_A-G	
9	DL NR-DC FR1 AND FR2 BW Class Combination A-(2G) (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5B.7	pc_DL_NR_DC_F R1_FR2_2B_Clas s_A-(2G)	
10	DL NR-DC FR1 AND FR2 BW Class Combination A-H (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5B.7	pc_DL_NR_DC_F R1_FR2_2B_Clas s_A-H	
11	DL NR-DC FR1 AND FR2 BW Class Combination A-I (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5B.7	pc_DL_NR_DC_F R1_FR2_2B_Clas s_A-I	
12	DL NR-DC FR1 AND FR2 BW Class Combination A-(2I) (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5B.7	pc_DL_NR_DC_F R1_FR2_2B_Clas s_A-(2I)	
13	DL NR-DC FR1 AND FR2 BW Class Combination A-J (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5B.7	pc_DL_NR_DC_F R1_FR2_2B_Clas s_A-J	
14	DL NR-DC FR1 AND FR2 BW Class Combination A-K (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5B.7	pc_DL_NR_DC_F R1_FR2_2B_Clas s_A-K	
15	DL NR-DC FR1 AND FR2 BW Class Combination A-L (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5B.7	pc_DL_NR_DC_F R1_FR2_2B_Clas s_A-L	
16	DL NR-DC FR1 AND FR2 BW Class Combination A-M (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5B.7	pc_DL_NR_DC_F R1_FR2_2B_Clas s_A-M	
17	DL NR-DC FR1 AND FR2 BW Class Combination (2A)-A (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5B.7	pc_DL_NR_DC_F R1_FR2_2B_Clas s_(2A)-A	
18	DL NR-DC FR1 AND FR2 BW Class Combination (2A)-G (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5B.7	pc_DL_NR_DC_F R1_FR2_2B_Clas s_(2A)-G	
19	DL NR-DC FR1 AND FR2 BW Class Combination (2A)-H (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5B.7	pc_DL_NR_DC_F R1_FR2_2B_Clas s_(2A)-H	
20	DL NR-DC FR1 AND FR2 BW Class Combination (2A)-I (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5B.7	pc_DL_NR_DC_F R1_FR2_2B_Clas s_(2A)-I	
21	DL NR-DC FR1 AND FR2 BW Class Combination (2A)-J (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5B.7	pc_DL_NR_DC_F R1_FR2_2B_Clas s_(2A)-J	

22	DL NR-DC FR1 AND FR2 BW Class Combination (2A)-K (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5. 5B.7	pc_DL_NR_DC_F R1_FR2_2B_Clas s_(2A)-K	
23	DL NR-DC FR1 AND FR2 BW Class Combination (2A)-L (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5. 5B.7	pc_DL_NR_DC_F R1_FR2_2B_Clas s_(2A)-L	
24	DL NR-DC FR1 AND FR2 BW Class Combination (2A)-M (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5. 5B.7	pc_DL_NR_DC_F R1_FR2_2B_Clas s_(2A)-M	
25	DL NR-DC FR1 AND FR2 BW Class Combination C-A (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5. 5B.7	pc_DL_NR_DC_F R1_FR2_2B_Clas s_C-A	
26	DL NR-DC FR1 AND FR2 BW Class Combination C-D (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5. 5B.7	pc_DL_NR_DC_F R1_FR2_2B_Clas s_C-D	
27	DL NR-DC FR1 AND FR2 BW Class Combination C-E (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5. 5B.7	pc_DL_NR_DC_F R1_FR2_2B_Clas s_C-E	
28	DL NR-DC FR1 AND FR2 BW Class Combination C-F (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5. 5B.7	pc_DL_NR_DC_F R1_FR2_2B_Clas s_C-F	

Table A.4.3.2B.1.1.1-1a: Uplink NR-DC Bandwidth Class Combination capabilities between FR1 and FR2 and two bands (for one or more of the supported DC configurations in Table A.4.3.2B.1.1.1-2)

Item	UL NR-DC between FR1 and FR2 Bandwidth Class (two bands)	Ref.	Mnemonic	Comments
1	UL NR-DC FR1 and FR2 BW Class Combination A-A (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5B.7	pc_UL_NR_DC_F R1_FR2_2B_Clas s_A-A	
2	UL NR-DC FR1 and FR2 BW Class Combination A-D (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5B.7	pc_UL_NR_DC_F R1_FR2_2B_Clas s_A-D	
3	UL NR-DC FR1 and FR2 BW Class Combination A-G (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5B.7	pc_UL_NR_DC_F R1_FR2_2B_Clas s_A-G	
4	UL NR-DC FR1 and FR2 BW Class Combination A-H (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5B.7	pc_UL_NR_DC_F R1_FR2_2B_Clas s_A-H	
5	UL NR-DC FR1 and FR2 BW Class Combination A-I (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5B.7	pc_UL_NR_DC_F R1_FR2_2B_Clas s_A-I	
6	UL NR-DC FR1 and FR2 BW Class Combination A-J (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5B.7	pc_UL_NR_DC_F R1_FR2_2B_Clas s_A-J	
7	UL NR-DC FR1 and FR2 BW Class Combination A-K (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5B.7	pc_UL_NR_DC_F R1_FR2_2B_Clas s_A-K	
8	UL NR-DC FR1 and FR2 BW Class Combination A-L (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5B.7	pc_UL_NR_DC_F R1_FR2_2B_Clas s_A-L	
9	UL NR-DC FR1 and FR2 BW Class Combination A-M (two bands)	38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5B.7	pc_UL_NR_DC_F R1_FR2_2B_Clas s_A-M	

Table A.4.3.2B.1.1.1-2: Supported NR-DC configurations between FR1 and FR2 (two bands)

NR-DC configuration / Item (Note 1)	Release	Supported	Supported DC Bandwidth Class(es) in UL	Supported Bandwidth Combination Set(s)
DC_n2A-n260A	Rel-17			
DC_n2A-n261A	Rel-17			
DC_n5A-n260A	Rel-17			
DC_n5A-n261A	Rel-17			
DC_n48A-n260A	Rel-17			
DC_n48A-n261A	Rel-17			
DC_n66A-n260A	Rel-17			
DC_n66A-n261A	Rel-17			
DC_n77A-n260A	Rel-17			
DC_n77A-n261A	Rel-16			
DC_n78A-n257A	Rel-15			
DC_n78A-n257G	Rel-15			
DC_n78A-n257H	Rel-15			
DC_n78A-n257I	Rel-15			
DC_n79A-n257A	Rel-15			
DC_n79A-n257G	Rel-15			
DC_n79A-n257H	Rel-15			
DC_n79A-n257I	Rel-15			
Note 1: Notation used NR-DC Bands is according to TS 38.101-3 [25] Table 5.5B.7-1, e.g. 'DC_n78A-n257G' indicates NR-DC operation on NR bands n78 and n257 with DL CA Bandwidth Class A and G respectively.				

A.4.3.2B.2 EN-DC Physical Layer Baseline Implementation Capabilities

A.4.3.2B.2.0 General EN-DC capabilities

Table A.4.3.2B.2.0-1: Downlink EN-DC capabilities (for one or more of the supported EN-DC configurations)

Item	Bandwidth Class	Ref.	Mnemonic	Comments
1	DL EN-DC with 2 carriers	38.101-3, 5.5B	pc_DL_EN_DC_2CC	
2	DL EN-DC with 3 carriers	38.101-3, 5.5B	pc_DL_EN_DC_3CC	
3	DL EN-DC with 4 carriers	38.101-3, 5.5B	pc_DL_EN_DC_4CC	
4	DL EN-DC with 5 carriers	38.101-3, 5.5B	pc_DL_EN_DC_5CC	
5	DL EN-DC with 6 carriers	38.101-3, 5.5B	pc_DL_EN_DC_6CC	
6	DL EN-DC with 7 carriers	38.101-3, 5.5B	pc_DL_EN_DC_7CC	
7	DL EN-DC with 8 carriers	38.101-3, 5.5B	pc_DL_EN_DC_8CC	

Table A.4.3.2B.2.0-1A: Downlink EN-DC capabilities (number of NR DL carriers)

Item	Bandwidth Class	Ref.	Mnemonic	Comments
1	DL EN-DC with 1 NR DL carriers	38.101-3, 5.5B	pc_EN_DC_NR_DL_1CC	
2	DL EN-DC with 2 NR DL carriers	38.101-3, 5.5B	pc_EN_DC_NR_DL_2CC	
3	DL EN-DC with 3 NR DL carriers	38.101-3, 5.5B	pc_EN_DC_NR_DL_3CC	
4	DL EN-DC with 4 NR DL carriers	38.101-3, 5.5B	pc_EN_DC_NR_DL_4CC	
5	DL EN-DC with 5 NR DL carriers	38.101-3, 5.5B	pc_EN_DC_NR_DL_5CC	
6	DL EN-DC with 6 NR DL carriers	38.101-3, 5.5B	pc_EN_DC_NR_DL_6CC	
7	DL EN-DC with 7 NR DL carriers	38.101-3, 5.5B	pc_EN_DC_NR_DL_7CC	
8	EN-DC with 8 NR DL carriers	38.101-3, 5.5B	pc_EN_DC_NR_DL_8CC	

Table A.4.3.2B.2.0-2: Uplink EN-DC capabilities (for one or more of the supported EN-DC configurations)

Item	Bandwidth Class	Ref.	Mnemonic	Comments
1	UL EN-DC with 2 carriers	38.101-3, 5.5B	pc_UL_EN_DC_2CC	
2	UL EN-DC with 3 carriers	38.101-3, 5.5B	pc_UL_EN_DC_3CC	
3	UL EN-DC with 4 carriers	38.101-3, 5.5B	pc_UL_EN_DC_4CC	
4	UL EN-DC with 5 carriers	38.101-3, 5.5B	pc_UL_EN_DC_5CC	
5	UL EN-DC with 6 carriers	38.101-3, 5.5B	pc_UL_EN_DC_6CC	
6	UL EN-DC with 7 carriers	38.101-3, 5.5B	pc_UL_EN_DC_7CC	
7	UL EN-DC with 8 carriers	38.101-3, 5.5B	pc_UL_EN_DC_8CC	

Table A.4.3.2B.2.0-2A: Uplink EN-DC capabilities (number of NR UL carriers)

Item	Bandwidth Class	Ref.	Mnemonic	Comments
1	UL EN-DC with 1 NR UL carriers	38.101-3, 5.5B	pc_EN_DC_NR_UL_1CC	
2	UL EN-DC with 2 NR UL carriers	38.101-3, 5.5B	pc_EN_DC_NR_UL_2CC	
3	UL EN-DC with 3 NR UL carriers	38.101-3, 5.5B	pc_EN_DC_NR_UL_3CC	
4	UL EN-DC with 4 NR UL carriers	38.101-3, 5.5B	pc_EN_DC_NR_UL_4CC	
5	UL EN-DC with 5 NR UL carriers	38.101-3, 5.5B	pc_EN_DC_NR_UL_5CC	
6	UL EN-DC with 6 NR UL carriers	38.101-3, 5.5B	pc_EN_DC_NR_UL_6CC	
7	UL EN-DC with 7 NR UL carriers	38.101-3, 5.5B	pc_EN_DC_NR_UL_7CC	
8	EN-DC with 8 NR UL carriers	38.101-3, 5.5B	pc_EN_DC_NR_UL_8CC	

A.4.3.2B.2.1 Intra-band contiguous EN-DC

Table A.4.3.2B.2.1-1: Downlink Bandwidth Class Combination capabilities for Intra-band contiguous EN-DC configurations (for one or more of the supported configurations in Table A.4.3.2B.2.1-2)

Item	DL Intra-band contiguous EN-DC Bandwidth Class	Ref.	Mnemonic	Comments
1	DL Intra-band contiguous EN-DC BW Class Combination AA	36.101, 5.6A.1 38.101-3, 5.3B.1.2	pc_DL_intra_contiguous_EN_DC_Class_AA	
2	DL Intra-band contiguous EN-DC BW Class Combination CA	36.101, 5.6A.1 38.101-3, 5.3B.1.2	pc_DL_intra_contiguous_EN_DC_Class_CA	
3	DL Intra-band contiguous EN-DC BW Class Combination DA	36.101, 5.6A.1 38.101-3, 5.3B.1.2	pc_DL_intra_contiguous_EN_DC_Class_DA	

Table A.4.3.2B.2.1-1a: Uplink Bandwidth Class Combination capabilities for Intra-band contiguous EN-DC configurations (for one or more of the supported configurations in Table A.4.3.2B.2.1-2)

Item	UL Intra-band contiguous EN-DC Bandwidth Class	Ref.	Mnemonic	Comments
1	UL Intra-band contiguous EN-DC BW Class Combination AA	36.101, 5.6A.1 38.101-3, 5.3B.1.2	pc_UL_intra_contiguous_EN_DC_Class_AA	
2	Void			

Table A.4.3.2B.2.1-2: Supported Intra-band contiguous EN-DC configurations

EN-DC configuration / Item (Note 1, 3)	Release	Supported	Supported EN-DC Bandwidth Class(es) in UL (Note 2)	Supported Bandwidth Combination Set(s)
DC_(n)41AA	Rel-15			
DC_(n)71AA	Rel-15			
Note 1: Notation used for intra-band contiguous EN-DC Bands is according to TS 38.101-3 [25] Table 5.3B.1.2-1, e.g. 'DC_(n)41AA' indicates contiguous EN-DC operation on E-UTRA band 41 with DL Bandwidth Class A and NR band n41 with DL CA Bandwidth Class A. Note 2: See UL_nCC(<i>table_index</i>) in Note 2 of Table 4.0-3 in TS 38.522 [9]. Note 3: See DL_nCC(<i>table_index</i>) in Note 4 of Table 4.0-3 in TS 38.522 [9].				

Table A.4.3.2B.2.1-3: Intra-band contiguous EN-DC PC2 UE RF Baseline Implementation Capabilities

Item	Intra-band contiguous EN-DC PC2 UE RF Baseline Implementation Capabilities	Ref.	Release	Mnemonic	Comments
1	LTE Frequency band: 2496-2690 MHz NR Frequency band: 2496-2690 MHz	38.101-3, 6.2B.1.1	Rel-15	pc_Band41_nrBand41_C_PC2_Supp	DC_(n)41AA

Table A.4.3.2B.2.1-4: Intra-band contiguous EN-DC NR part power class UE RF Baseline Implementation Capabilities (Rel-16 and forward)

Item	EN-DC configuration	UE Physical Layer Baseline Implementation Capabilities	Ref.	Release	Mnemonic	Supported NR part power class
1	DC_(n)41AA	DC_(n)41AA NR part power class	38.306, 4.2.7.1	Rel-16	pc_Band41_nrBand41_C_powerClassNRPart_r16	

Table A.4.3.2B.2.1-4a: Intra-band contiguous EN-DC maxNumberSRS-Ports-PerResource UE RF Baseline Implementation Capabilities (Rel-15)

Item	EN-DC configuration	UE Physical Layer Baseline Implementation Capabilities	Ref.	Release	Mnemonic	Supported maxNumberSRS-Ports-PerResource
1	DC_(n)41AA	DC_(n)41AA maxNumberSRS-Ports-PerResource on NR band	38.306, 4.2.7.7	Rel-15	pc_Band41_nrBand41_C_maxNumberSRS-Ports-PerResource_NR_r15	

Table A.4.3.2B.2.1-4b: Intra-band contiguous EN-DC NR part power class UE RF Baseline Implementation Capabilities (Rel-15) (maxNumberSRS-Ports-PerResource=n2 in NR standalone operation mode, maxNumberSRS-Ports-PerResource=n1 for EN-DC on NR band)

Item	EN-DC configuration	UE Physical Layer Baseline Implementation Capabilities	Ref.	Release	Mnemonic	Supported NR part power class
1	DC_(n)41AA	DC_(n)41AA NR part power class	38.101-3, 6.1	Rel-15	pc_Band41_nrBand41_C_powerClassNRPart_r15	

A.4.3.2B.2.2 Intra-band non-contiguous EN-DC

Table A.4.3.2B.2.2-1: Downlink Bandwidth Class Combination capabilities for Intra-band non-contiguous EN-DC configurations (for one or more of the supported configurations in Table A.4.3.2B.2.2-2)

Item	DL Intra-band non-contiguous EN-DC Bandwidth Class	Ref.	Mnemonic	Comments
1	DL Intra-band non-contiguous EN-DC BW Class Combination A_A	36.101, 5.6A.1 38.101-3, 5.3B.1.3	pc_DL_intra_non_contiguous_EN_D C_Class_A_A	
2	DL Intra-band non-contiguous EN-DC BW Class Combination A_AA	36.101, 5.6A.1 38.101-3, 5.3B.1.3	pc_DL_intra_non_contiguous_EN_D C_Class_A_AA	
3	DL Intra-band non-contiguous EN-DC BW Class Combination A-A_A	36.101, 5.6A.1 38.101-3, 5.3B.1.3	pc_DL_intra_non_contiguous_EN_D C_Class_A-A_A	
4	DL Intra-band non-contiguous EN-DC BW Class Combination C_A	36.101, 5.6A.1 38.101-3, 5.3B.1.3	pc_DL_intra_non_contiguous_EN_D C_Class_C_A	
5	DL Intra-band non-contiguous EN-DC BW Class Combination D_A	36.101, 5.6A.1 38.101-3, 5.3B.1.3	pc_DL_intra_non_contiguous_EN_D C_Class_D_A	

Table A.4.3.2B.2.2-1a: Uplink Bandwidth Class Combination capabilities for Intra-band non-contiguous EN-DC configurations (for one or more of the supported configurations in Table A.4.3.2B.2.2-2)

Item	UL Intra-band non-contiguous EN-DC Bandwidth Class	Ref.	Mnemonic	Comments
1	UL Intra-band non-contiguous EN-DC BW Class Combination A_A	36.101, 5.6A.1 38.101-3, 5.3B.1.3	pc_UL_intra_non_contiguous_EN_D C_Class_A_A	
2	Void			

Table A.4.3.2B.2.2-2: Supported Intra-band non-contiguous EN-DC configurations

EN-DC configuration / Item (Note 1, 3, 4)	Release	Supported	Supported EN-DC Bandwidth Class(es) in UL (Note 2)	Supported Bandwidth Combination Set(s)
DC_2A_n2A ⁶	Rel-16			
DC_41A_n41A	Rel-15			
DC_41C_n41A	Rel-15			
DC_41D_n41A	Rel-15			
DC_66A_n66A ⁶	Rel-16			
DC_66A-66A_n66A ⁶	Rel-16			
Note 1: Notation used for intra-band non-contiguous EN-DC Bands is according to TS 38.101-3 [25] Table 5.3B.1.3-1, e.g. 'DC_41A_n41A' indicates non-contiguous EN-DC operation on E-UTRA band 41 with DL Bandwidth Class A and NR band n41 with DL CA Bandwidth Class A. Note 2: See UL_nCC(<i>table_index</i>) in Note 2 of Table 4.0-3 in TS 38.522 [9]. Note 3: See DL_nCC(<i>table_index</i>) in Note 4 of Table 4.0-3 in TS 38.522 [9]. Note 4: See DL_NR_nCC(<i>table_index</i>) in Note 5 of Table 4.0-3 in TS 38.522 [9]. Note 5: Only single switched UL is supported in Rel-15. Note 6: Only single switched UL is supported.				

Table A.4.3.2B.2.2-3: Intra-band non-contiguous EN-DC PC2 UE RF Baseline Implementation Capabilities

Item	Intra-band non-contiguous EN-DC PC2 UE RF Baseline Implementation Capabilities	Ref.	Release	Mnemonic	Comments
1	LTE Frequency band: 2496-2690 MHz NR Frequency band: 2496-2690 MHz	38.101-3, 6.2B.1.2	Rel-15	pc_Band41_nrBand41_N C_PC2_Supp	DC_41A_n41 A

Table A.4.3.2B.2.2-4: Intra-band non-contiguous EN-DC NR part power class UE RF Baseline Implementation Capabilities (Rel-16 and forward)

Item	EN-DC configuration	UE Physical Layer Baseline Implementation Capabilities	Ref.	Release	Mnemonic	Supported NR part power class
1	DC_41A_n41 A	DC_41A_n41A NR part power class	38.306, 4.2.7.1	Rel-16	pc_Band41_nrBand41_NC_ powerClassNRPart_r16	

Table A.4.3.2B.2.2-4a: Intra-band non-contiguous EN-DC maxNumberSRS-Ports-PerResource UE RF Baseline Implementation Capabilities (Rel-15)

Item	EN-DC configuration	UE Physical Layer Baseline Implementation Capabilities	Ref.	Release	Mnemonic	Supported maxNumberS RS-Ports- PerResource
1	DC_41A_n41 A	DC_41A_n41A maxNumberSRS-Ports- PerResource on NR band	38.306, 4.2.7.7	Rel-15	pc_Band41_nrBand41_NC_ maxNumberSRS-Ports- PerResource_NR_r15	

Table A.4.3.2B.2.2-4b: Intra-band non-contiguous EN-DC NR part power class UE RF Baseline Implementation Capabilities (Rel-15) (maxNumberSRS-Ports-PerResource=n2 in NR standalone operation mode, maxNumberSRS-Ports-PerResource=n1 for EN-DC on NR band)

Item	EN-DC configuration	UE Physical Layer Baseline Implementation Capabilities	Ref.	Release	Mnemonic	Supported NR part power class
1	DC_41A_n41 A	DC_41A_n41A NR part power class	38.101-3, 6.1	Rel-15	pc_Band41_nrBand41_NC_ powerClassNRPart_r15	

A.4.3.2B.2.3 Inter-band EN-DC

A.4.3.2B.2.3.1 Inter-band EN-DC within FR1 (two bands)

Table A.4.3.2B.2.3.1-1: Downlink Bandwidth Class Combination capabilities for Inter-band EN-DC within FR1 and two bands (for one or more of the supported DC configurations in Table A.4.3.2B.2.3.1-2)

Item	DL inter-band EN-DC within FR1 Bandwidth Class	Ref.	Mnemonic	Comments
1	Inter-band EN-DC within FR1 BW Class Combination A_A (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.1	pc_DL_inter_band _EN_DC_FR1_2B _Class_A_A	
2	Inter-band EN-DC within FR1 BW Class Combination A_(2A) (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.1	pc_DL_inter_band _EN_DC_FR1_2B _Class_A_(2A)	
3	Inter-band EN-DC within FR1 BW Class Combination A_B (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.1	pc_DL_inter_band _EN_DC_FR1_2B _Class_A_B	
4	Inter-band EN-DC within FR1 BW Class Combination A_C (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.1	pc_DL_inter_band _EN_DC_FR1_2B _Class_A_C	
5	Inter-band EN-DC within FR1 BW Class Combination (2A)_A (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.1	pc_DL_inter_band _EN_DC_FR1_2B _Class_(2A)_A	
6	Inter-band EN-DC within FR1 BW Class Combination (2A)_(2A) (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.1	pc_DL_inter_band _EN_DC_FR1_2B _Class_(2A)_(2A)	
7	Inter-band EN-DC within FR1 BW Class Combination (2A)_B (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.1	pc_DL_inter_band _EN_DC_FR1_2B _Class_(2A)_B	
8	Inter-band EN-DC within FR1 BW Class Combination (3A)_A (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.1	pc_DL_inter_band _EN_DC_FR1_2B _Class_(3A)_A	
9	Inter-band EN-DC within FR1 BW Class Combination B_A (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.1	pc_DL_inter_band _EN_DC_FR1_2B _Class_B_A	
10	Inter-band EN-DC within FR1 BW Class Combination C_A (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.1	pc_DL_inter_band _EN_DC_FR1_2B _Class_C_A	
11	Inter-band EN-DC within FR1 BW Class Combination C_(2A) (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.1	pc_DL_inter_band _EN_DC_FR1_2B _Class_C_(2A)	
12	Inter-band EN-DC within FR1 BW Class Combination C_B (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.1	pc_DL_inter_band _EN_DC_FR1_2B _Class_C_B	
13	Inter-band EN-DC within FR1 BW Class Combination C_C (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.1	pc_DL_inter_band _EN_DC_FR1_2B _Class_C_C	
14	Inter-band EN-DC within FR1 BW Class Combination D_A (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.1	pc_DL_inter_band _EN_DC_FR1_2B _Class_D_A	
15	Inter-band EN-DC within FR1 BW Class Combination D_C (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.1	pc_DL_inter_band _EN_DC_FR1_2B _Class_D_C	
16	Inter-band EN-DC within FR1 BW Class Combination E_A (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.1	pc_DL_inter_band _EN_DC_FR1_2B _Class_E_A	
17	Inter-band EN-DC within FR1 BW Class Combination E_C (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.1	pc_DL_inter_band _EN_DC_FR1_2B _Class_E_C	

Table A.4.3.2B.2.3.1-1a: Uplink Bandwidth Class Combination capabilities for Inter-band EN-DC within FR1 and two bands (for one or more of the supported configurations in Table A.4.3.2B.2.3.1-2)

Item	UL inter-band EN-DC within FR1 Bandwidth Class	Ref.	Mnemonic	Comments
1	UL Inter-band EN-DC within FR1 BW Class Combination A_A (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.1	pc_UL_inter_band _EN_DC_FR1_2B _Class_A_A	
2	UL Inter-band EN-DC within FR1 BW Class Combination A_B (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.1	pc_UL_inter_band _EN_DC_FR1_2B _Class_A_B	
3	UL Inter-band EN-DC within FR1 BW Class Combination A_C (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.1	pc_UL_inter_band _EN_DC_FR1_2B _Class_A_C	
4	UL Inter-band EN-DC within FR1 BW Class Combination (2A)_A (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.1	pc_UL_inter_band _EN_DC_FR1_2B _Class_(2A)_A	
5	UL Inter-band EN-DC within FR1 BW Class Combination C_A (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.1	pc_UL_inter_band _EN_DC_FR1_2B _Class_C_A	

Table A.4.3.2B.2.3.1-2: Supported Inter-band EN-DC configurations within FR1 (two bands)

EN-DC configuration / Item	Release	Supported	Supported EN-DC Bandwidth Class(es) in UL	Supported UL Tx Switching Band Pair	Supported uplink Tx Switching-DL-Interruption-r16 (Note 1)	Supported simultaneous RxTx (Note 2)
DC 1A n3A	Rel-16					
DC 1A n5A	Rel-16					
DC 1A n7A	Rel-16					
DC 1A n28A	Rel-15					
DC 1A n41A	Rel-16					Yes
DC 1A n77A	Rel-15				Not supported	Yes
DC 1A n78A	Rel-15				Not supported	Yes
DC 1A n78C	Rel-15				Not supported	Yes
DC 1A-1A n78A	Rel-17				Not supported	
DC 1A n79A	Rel-15				Not supported	Yes
DC 2A n5A	Rel-15					
DC 2A-2A n5A	Rel-16					
DC 2A n41A	Rel-16					
DC 2C n41A	Rel-16					
DC 2A n66A	Rel-15					
DC 2A-2A n66A	Rel-16					
DC 2A n71A	Rel-15					
DC 2A n77A	Rel-17					
DC 2A n77(2A)	Rel-17					
DC 2A-2A n77A	Rel-17					
DC 2A-2A n77(2A)	Rel-17					
DC 2A n78A	Rel-15					
DC 3A n1A	Rel-16					
DC 3A n8A	Rel-16					
DC 3A n7A	Rel-15					
DC 3A n5A	Rel-16					
DC 3A n28A	Rel-15					
DC 3A n41A	Rel-16				Not supported	Yes
DC 3A n77A	Rel-15				Not supported	Yes
DC 3A n78A	Rel-15				Not supported	Yes
DC 3A n78C	Rel-15				Not supported	Yes
DC 3A n79A	Rel-15				Not supported	Yes
DC 3A n82A	Rel-15					
DC 3C n77A	Rel-17				Not supported	
DC 3C n77(2A)	Rel-17				Not supported	
DC 3C n78A	Rel-15				Not supported	
DC 5A n2A	Rel-16					
DC 5A n66A	Rel-15					
DC 5A n77A	Rel-17					
DC 5A n77(2A)	Rel-17					
DC 5A n78A	Rel-15				Not supported	Yes
DC 5A n78C	Rel-17				Not supported	Yes
DC 7A n1A	Rel-16					
DC 7A n3A	Rel-16					
DC 7A n5A	Rel-16					
DC 7A n8A	Rel-16					
DC 7A n28A	Rel-15					
DC 7A n78A	Rel-15					Yes
DC 7A n66A	Rel-15					
DC 7C n66A	Rel-15					
DC 7C n78A	Rel-15					Yes
DC 8A n1A	Rel-16					
DC 8A n3A	Rel-16					
DC 8A n20A	Rel-16					
DC 8A n41A	Rel-16				Not supported	Yes
DC 8A n77A	Rel-15				Not supported	Yes
DC 8A n77(2A)	Rel-16				Not supported	Yes
DC 8A n78A	Rel-15				Not supported	Yes
DC 11A n77A	Rel-15				Not supported	Yes
DC 11A n78A	Rel-15				Not supported	Yes

DC 11A n79A	Rel-15				Yes
DC 12A n2A	Rel-16				
DC 12A n5A	Rel-15				
DC 12A n66A	Rel-15				
DC 12A n77A	Rel-17				
DC 12A n77(2A)	Rel-17				
DC 12A n78A	Rel-16				
DC 13A n2A	Rel-16				
DC 13A n66A	Rel-15				
DC 13A n77A	Rel-17				
DC 14A n2A	Rel-16				
DC 14A n66A	Rel-16				
DC 14A n77A	Rel-17				
DC 14A n77(2A)	Rel-17				
DC 18A n77A	Rel-15			Not supported	Yes
DC 18A n78A	Rel-15			Not supported	Yes
DC 18A n79A	Rel-15				Yes
DC 19A n1A	Rel-17				
DC 19A n77A	Rel-15				Yes
DC 19A n77(2A)	Rel-17				Yes
DC 19A n78A	Rel-15			Not supported	Yes
DC 19A n78(2A)	Rel-17			Not supported	Yes
DC 19A n79A	Rel-15			Not supported	Yes
DC 20A n1A	Rel-16				
DC 20A n3A	Rel-16				
DC 20A n7A	Rel-16				
DC 20A n8A	Rel-15				
DC 20A n28A	Rel-15				
DC 20A n78A	Rel-15				Yes
DC 20A n83A	Rel-16				
DC 21A n1A	Rel-17				
DC 21A n28A	Rel-17				
DC 21A n77A	Rel-15				Yes
DC 21A n77(2A)	Rel-17				Yes
DC 21A n78A	Rel-15			Not supported	Yes
DC 21A n78(2A)	Rel-17			Not supported	Yes
DC 21A n79A	Rel-15			Not supported	Yes
DC 25A n41A	Rel-15				
DC 26A n41A	Rel-16				
DC 26A n77A	Rel-16				Yes
DC 26A n78A	Rel-16				Yes
DC 26A n79A	Rel-16				Yes
DC 28A n3A	Rel-16				
DC 28A n5A	Rel-16				
DC 28A n7A	Rel-16				
DC 28A n51A	Rel-15				
DC 28A n77A	Rel-15			Not supported	Yes
DC 28A n78A	Rel-15			Not supported	Yes
DC 28A n79A	Rel-15				Yes
DC 30A n2A	Rel-16				
DC 30A n5A	Rel-15				
DC 30A n77A	Rel-17				
DC 30A n77(2A)	Rel-17				
DC 30A n66A	Rel-15				
DC 38A n78A	Rel-15				Yes
DC 39A n41A	Rel-16			Not supported	Yes from Rel-18
DC 39A n79A	Rel-15			Not supported	Yes
DC 40A n1A	Rel-16				
DC 40A n41A	Rel-16				Yes from Rel-18
DC 40A n78A	Rel-16				
DC 40A n79A	Rel-16			Not supported	Yes
DC 40C n78A	Rel-16				
DC 40C n79A	Rel-16			Not supported	Yes
DC 41A n28A	Rel-16				Yes
DC 41A n77A	Rel-16				

DC_41A_n78A	Rel-16					
DC_41A_n79A	Rel-15				Not supported	Yes
DC_42A_n1A	Rel-17					
DC_42C_n1A	Rel-17					
DC_42A_n77A	Rel-15					
DC_42A_n78A	Rel-15					
DC_42A_n79A	Rel-15					
DC_48A_n5A	Rel-16					
DC_48A_n46A	Rel-16					
DC_48A_n66A	Rel-16					
DC_66A_n2A	Rel-16					
DC_66A-66A_n2A	Rel-16					
DC_66A_n5A	Rel-15					
DC_66A-66A_n5A	Rel-16					
DC_66A_n41A	Rel-16					
DC_66A_n71A	Rel-15					
DC_66A_n77A	Rel-17					
DC_66A_n77(2A)	Rel-17					
DC_66A-66A_n77A	Rel-17					
DC_66A-66A_n77(2A)	Rel-17					
DC_66A-66A-66A_n77A	Rel-17					
DC_66A-66A-66A_n77(2A)	Rel-18					
DC_66A_n78A	Rel-15					
DC_71A_n2A	Rel-17					
DC_71A_n66A	Rel-16					
Note 1: A UE that supports ULTxSwitching on a band pair might report the uplinkTxSwitching-DL-Interruption-r16 capability on the same band pair. If UE doesn't report this capability, no DL interruption is allowed during UL Tx switching. For certain band configurations DL interruption is not allowed according to Note 14 in Table 5.5B.4.1-1 of TS 38.101-3 [25], therefore the corresponding entry is prefilled by 'Not Supported'. Note 2: For configurations with Note 7 in Table 5.5B.4.1-1 of TS 38.521-3 [7], UE capability simultaneousRxTxInterBandENDC is mandatory, therefore the corresponding entry is prefilled with 'Yes'.						

Table A.4.3.2B.2.3.1-3: Inter-band EN-DC within FR1 (two bands) PC2 UE RF Baseline Implementation Capabilities

Item	EN-DC configuration	Inter-band EN-DC within FR1 (two bands) PC2 UE RF Baseline Implementation Capabilities	Ref.	Release	Mnemonic	Comments
1	DC_39A_n41A	LTE Frequency band: 1880-1920 MHz NR Frequency band: 2496-2690 MHz	38.101-3, 6.2B.1.3	Rel-16	pc_Band39_nrBand41_PC2_Supp	
2	DC_39A_n79A	LTE Frequency band: 1880-1920 MHz NR Frequency band: 4400-5000 MHz	38.101-3, 6.2B.1.3	Rel-16	pc_Band39_nrBand79_PC2_Supp	
3	DC_41A_n79A	LTE Frequency band: 2496-2690 MHz NR Frequency band: 4400-5000 MHz	38.101-3, 6.2B.1.3	Rel-16	pc_Band41_nrBand79_PC2_Supp	
4	DC_3A_n78A	LTE Frequency band: 1710-1785 MHz (UL), 1805-1880 MHz (DL) NR Frequency band: 3300-3800 MHz	38.101-3, 6.2B.1.3	Rel-16	pc_Band3_nrBand78_PC2_Supp	
5	DC_3A_n41A	LTE Frequency band: 1710-1785 MHz (UL), 1805-1880 MHz (DL) NR Frequency band: 2496-2690 MHz	38.101-3, 6.2B.1.3	Rel-16	pc_Band3_nrBand41_PC2_Supp	
6	DC_1A_n78A	LTE Frequency band: 1920-1980 MHz (UL), 2110- 2170 MHz (DL) NR Frequency band: 3300-3800 MHz	38.101-3, 6.2B.1.3	Rel-17	pc_Band1_nrBand78_PC2_Supp	
7	Void					
8	DC_8A_n78A	LTE Frequency band: 703-748 MHz (UL), 758-803 MHz (DL) NR Frequency band: 3300-3800 MHz	38.101-3, 6.2B.1.3	Rel-17	pc_Band8_nrBand78_PC2_Supp	
9	DC_2A_n77A	LTE Frequency band: 1850-1910 MHz (UL), 1930-1990 MHz (DL) NR Frequency band: 3300-4200 MHz ¹	38.101-3, 6.2B.1.3	Rel-17	pc_Band2_nrBand77_PC2_Supp	
10	DC_5A_n77A	LTE Frequency band: 824-849 MHz (UL), 869- 894 MHz (DL) NR Frequency band: 3300-4200 MHz ¹	38.101-3, 6.2B.1.3	Rel-17	pc_Band5_nrBand77_PC2_Supp	
11	DC_13A_n77A	LTE Frequency band: 777-787 MHz (UL), 746-756 MHz (DL) NR Frequency band: 3300-4200 MHz ¹	38.101-3, 6.2B.1.3	Rel-17	pc_Band13_nrBand77_PC2_Supp	
12	DC_66A_n77A	LTE Frequency band: 1710-1780 MHz (UL), 2110-2200 MHz (DL) NR Frequency band: 3300-4200 MHz ¹	38.101-3, 6.2B.1.3	Rel-17	pc_Band66_nrBand77_PC2_Supp	
13	DC_12A_n77A	LTE Frequency band: 699-716 MHz (UL), 729- 746 MHz (DL) NR Frequency band: 3300-4200 MHz ¹	38.101-3, 6.2B.1.3	Rel-17	pc_Band12_nrBand77_PC2_Supp	
14	DC_14A_n77A	LTE Frequency band: 788-798 MHz (UL), 758-768 MHz (DL) NR Frequency band: 3300-4200 MHz ¹	38.101-3, 6.2B.1.3	Rel-17	pc_Band14_nrBand77_PC2_Supp	
15	DC_30A_n77A	LTE Frequency band: 2305-2315 MHz (UL), 2350-2360 MHz (DL) NR Frequency band: 3300-4200 MHz ¹	38.101-3, 6.2B.1.3	Rel-17	pc_Band30_nrBand77_PC2_Supp	
16	DC_28A_n78A	LTE Frequency band: 703-748 MHz (UL), 758- 803 MHz (DL) NR Frequency band: 3300-3800 MHz	38.101-3, 6.2B.1.3	Rel-17	pc_Band28_nrBand78_PC2_Supp	
17	DC_1A_n79A	LTE Frequency band: 1920-1980 MHz (UL), 2110- 2170 MHz (DL) NR Frequency band: 4400-5000 MHz	38.101-3, 6.2B.1.3	Rel-18	pc_Band1_nrBand79_PC2_Supp	
18	DC_3A_n79A	LTE Frequency band: 1710-1785 MHz (UL), 1805-1880 MHz (DL) NR Frequency band: 4400-5000 MHz	38.101-3, 6.2B.1.3	Rel-18	pc_Band3_nrBand79_PC2_Supp	
19	DC_19A_n78A	LTE Frequency band: 830-845 MHz (UL), 875-890 MHz (DL) NR Frequency band: 3300-3800 MHz	38.101-3, 6.2B.1.3	Rel-18	pc_Band19_nrBand78_PC2_Supp	
20	DC_19A_n79A	LTE Frequency band: 830-845 MHz (UL), 875-890 MHz (DL) NR Frequency band: 4400-5000 MHz	38.101-3, 6.2B.1.3	Rel-18	pc_Band19_nrBand79_PC2_Supp	
21	DC_21A_n78A	LTE Frequency band: 1447.9-1462.9 MHz (UL), 1495.9-1510.9 MHz (DL) NR Frequency band: 3300-3800 MHz	38.101-3, 6.2B.1.3	Rel-18	pc_Band21_nrBand78_PC2_Supp	
22	DC_21A_n79A	LTE Frequency band: 1447.9-1462.9 MHz (UL), 1495.9-1510.9 MHz (DL) NR Frequency band: 4400-5000 MHz	38.101-3, 6.2B.1.3	Rel-18	pc_Band21_nrBand79_PC2_Supp	
23	DC_3A_n77A	LTE Frequency band: 1710-1785 MHz (UL), 1805-1880 MHz (DL) NR Frequency band: 3300-4200 MHz ¹	38.101-3, 6.2B.1.3	Rel-18	pc_Band3_nrBand77_PC2_Supp	

24	DC_18A_n77A	LTE Frequency band: 815-830 MHz (UL), 860-875 MHz (DL) NR Frequency band: 3300-4200 MHz ¹	38.101-3, 6.2B.1.3	Rel-18	pc_Band18_nrBand77_PC2_Supp	
25	DC_28A_n77A	LTE Frequency band: 703-748 MHz (UL), 758- 803 MHz (DL) NR Frequency band: 3300-4200 MHz ¹	38.101-3, 6.2B.1.3	Rel-18	pc_Band28_nrBand77_PC2_Supp	
26	DC_1A_n41A	LTE Frequency band: 1920-1980 MHz (UL), 2110- 2170 MHz (DL) NR Frequency band: 2496-2690 MHz	38.101-3, 6.2B.1.3	Rel-18	pc_Band1_nrBand41_PC2_Supp	
27	DC_41A_n77A	LTE Frequency band: 2496-2690 MHz NR Frequency band: 3300-4200 MHz ¹	38.101-3, 6.2B.1.3	Rel-18	pc_Band41_nrBand77_PC2_Supp	
28	DC_1A_n77A	LTE Frequency band: 1920-1980 MHz (UL), 2110- 2170 MHz (DL) NR Frequency band: 3300-4200 MHz ¹	38.101-3, 6.2B.1.3	Rel-18	pc_Band1_nrBand77_PC2_Supp	
29	DC_2A_n41A	LTE Frequency band: 1850-1910 MHz (UL), 1930-1990 MHz (DL) NR Frequency band: 2496-2690 MHz	38.101-3, 6.2B.1.3	Rel-17	pc_Band2_nrBand41_PC2_Supp	
30	DC_66A_n41A	LTE Frequency band: 1710-1780 MHz (UL), 2110-2200 MHz (DL) NR Frequency band: 2496-2690 MHz	38.101-3, 6.2B.1.3	Rel-17	pc_Band66_nrBand41_PC2_Supp	

NOTE 1: In the USA this band is restricted to 3450 – 3550 MHz and 3700 – 3980 MHz

**Table A.4.3.2B.2.3.1-3a: Inter-band EN-DC within FR1 (two bands) NR part power class UE RF
Baseline Implementation Capabilities (Rel-16 and forward)**

Item	EN-DC configuration	UE Physical Layer Baseline Implementation Capabilities	Ref.	Release	Mnemonic	Supported NR part power class
1	DC_39A_n41A	DC_39A_n41A NR part power class	38.306, 4.2.7.1	Rel-16	pc_Band39_nrBand41_powerClassNRPart_r16	
2	DC_39A_n79A	DC_39A_n79A NR part power class	38.306, 4.2.7.1	Rel-16	pc_Band39_nrBand79_powerClassNRPart_r16	
3	DC_41A_n79A	DC_41A_n79A NR part power class	38.306, 4.2.7.1	Rel-16	pc_Band41_nrBand79_powerClassNRPart_r16	
4	DC_3A_n78A	DC_3A_n78A NR part power class	38.306, 4.2.7.1	Rel-16	pc_Band3_nrBand78_powerClassNRPart_r16	
5	DC_3A_n41A	DC_3A_n41A NR part power class	38.306, 4.2.7.1	Rel-16	pc_Band3_nrBand41_powerClassNRPart_r16	
6	DC_1A_n78A	DC_1A_n78A NR part power class	38.306, 4.2.7.1	Rel-17	pc_Band1_nrBand78_powerClassNRPart_r17	
7	DC_8A_n78A	DC_8A_n78A NR part power class	38.306, 4.2.7.1	Rel-17	pc_Band8_nrBand78_powerClassNRPart_r17	
8	DC_2A_n77A	DC_2A_n77A NR part power class	38.306, 4.2.7.1	Rel-17	pc_Band2_nrBand77_powerClassNRPart_r17	
9	DC_5A_n77A	DC_5A_n77A NR part power class	38.306, 4.2.7.1	Rel-17	pc_Band5_nrBand77_powerClassNRPart_r17	
10	DC_13A_n77A	DC_13A_n77A NR part power class	38.306, 4.2.7.1	Rel-17	pc_Band13_nrBand77_powerClassNRPart_r17	
11	DC_66A_n77A	DC_66A_n77A NR part power class	38.306, 4.2.7.1	Rel-17	pc_Band66_nrBand77_powerClassNRPart_r17	
12	DC_12A_n77A	DC_12A_n77A NR part power class	38.306, 4.2.7.1	Rel-17	pc_Band12_nrBand77_powerClassNRPart_r17	
13	DC_14A_n77A	DC_14A_n77A NR part power class	38.306, 4.2.7.1	Rel-17	pc_Band14_nrBand77_powerClassNRPart_r17	
14	DC_30A_n77A	DC_30A_n77A NR part power class	38.306, 4.2.7.1	Rel-17	pc_Band30_nrBand77_powerClassNRPart_r17	
15	DC_3A_n77A	DC_3A_n77A NR part power class	38.306, 4.2.7.1	Rel-18	pc_Band3_nrBand77_powerClassNRPart_r18	
16	DC_18A_n77A	DC_18A_n77A NR part power class	38.306, 4.2.7.1	Rel-18	pc_Band18_nrBand77_powerClassNRPart_r18	
17	DC_28A_n77A	DC_28A_n77A NR part power class	38.306, 4.2.7.1	Rel-18	pc_Band28_nrBand77_powerClassNRPart_r18	
18	DC_1A_n41A	DC_1A_n41A NR part power class	38.306, 4.2.7.1	Rel-18	pc_Band1_nrBand41_powerClassNRPart_r18	
19	DC_41A_n77A	DC_41A_n77A NR part power class	38.306, 4.2.7.1	Rel-18	pc_Band41_nrBand77_powerClassNRPart_r18	
20	DC_1A_n77A	DC_1A_n77A NR part power class	38.306, 4.2.7.1	Rel-18	pc_Band1_nrBand77_powerClassNRPart_r18	

Table A.4.3.2B.2.3.1-3b: Inter-band EN-DC within FR1 (two bands) maxNumberSRS-Ports-PerResource UE RF Baseline Implementation Capabilities (Rel-15)

Item	EN-DC configuration	UE Physical Layer Baseline Implementation Capabilities	Ref.	Release	Mnemonic	Supported maxNumberSRS-Ports-PerResource
1	DC_39A_n41A	DC_39A_n41A maxNumberSRS-Ports-PerResource on NR band	38.306, 4.2.7.7	Rel-15	pc_Band39_nrBand41_maxNumberSRS-Ports-PerResource_NR_r15	
2	DC_39A_n79A	DC_39A_n79A maxNumberSRS-Ports-PerResource on NR band	38.306, 4.2.7.7	Rel-15	pc_Band39_nrBand79_maxNumberSRS-Ports-PerResource_NR_r15	
3	DC_41A_n79A	DC_41A_n79A maxNumberSRS-Ports-PerResource on NR band	38.306, 4.2.7.7	Rel-15	pc_Band41_nrBand79_maxNumberSRS-Ports-PerResource_NR_r15	
4	DC_3A_n78A	DC_3A_n78A maxNumberSRS-Ports-PerResource on NR band	38.306, 4.2.7.7	Rel-15	pc_Band3_nrBand78_maxNumberSRS-Ports-PerResource_NR_r15	
5	DC_3A_n41A	DC_3A_n41A maxNumberSRS-Ports-PerResource on NR band	38.306, 4.2.7.7	Rel-15	pc_Band3_nrBand41_maxNumberSRS-Ports-PerResource_NR_r15	
6	DC_1A_n78A	DC_1A_n78A maxNumberSRS-Ports-PerResource on NR band	38.306, 4.2.7.7	Rel-15	pc_Band1_nrBand78_maxNumberSRS-Ports-PerResource_NR_r15	
7	DC_8A_n78A	DC_8A_n78A maxNumberSRS-Ports-PerResource on NR band	38.306, 4.2.7.7	Rel-15	pc_Band8_nrBand78_maxNumberSRS-Ports-PerResource_NR_r15	
8	DC_2A_n77A	DC_2A_n77A maxNumberSRS-Ports-PerResource on NR band	38.306, 4.2.7.7	Rel-15	pc_Band2_nrBand77_maxNumberSRS-Ports-PerResource_NR_r15	
9	DC_5A_n77A	DC_5A_n77A maxNumberSRS-Ports-PerResource on NR band	38.306, 4.2.7.7	Rel-15	pc_Band5_nrBand77_maxNumberSRS-Ports-PerResource_NR_r15	
10	DC_13A_n77A	DC_13A_n77A maxNumberSRS-Ports-PerResource on NR band	38.306, 4.2.7.7	Rel-15	pc_Band13_nrBand77_maxNumberSRS-Ports-PerResource_NR_r15	
11	DC_66A_n77A	DC_66A_n77A maxNumberSRS-Ports-PerResource on NR band	38.306, 4.2.7.7	Rel-15	pc_Band66_nrBand77_maxNumberSRS-Ports-PerResource_NR_r15	

Table A.4.3.2B.2.3.1-3c: Inter-band EN-DC within FR1 (two bands) NR part power class UE RF Baseline Implementation Capabilities (Rel-15) (maxNumberSRS-Ports-PerResource=n2 in NR standalone operation mode, maxNumberSRS-Ports-PerResource=n1 for EN-DC on NR band)

Item	EN-DC configuration	UE Physical Layer Baseline Implementation Capabilities	Ref.	Release	Mnemonic	Supported NR part power class
1	DC_39A_n41A	DC_39A_n41A NR part power class	38.101-3, 6.1	Rel-15	pc_Band39_nrBand41_powerClassNRPart_r15	
2	DC_39A_n79A	DC_39A_n79A NR part power class	38.101-3, 6.1	Rel-15	pc_Band39_nrBand79_powerClassNRPart_r15	
3	DC_41A_n79A	DC_41A_n79A NR part power class	38.101-3, 6.1	Rel-15	pc_Band41_nrBand79_powerClassNRPart_r15	
4	DC_3A_n78A	DC_3A_n78A NR part power class	38.101-3, 6.1	Rel-15	pc_Band3_nrBand78_powerClassNRPart_r15	
5	DC_3A_n41A	DC_3A_n41A NR part power class	38.101-3, 6.1	Rel-15	pc_Band3_nrBand41_powerClassNRPart_r15	
6	DC_1A_n78A	DC_1A_n78A NR part power class	38.101-3, 6.1	Rel-15	pc_Band1_nrBand78_powerClassNRPart_r15	
7	DC_8A_n78A	DC_8A_n78A NR part power class	38.101-3, 6.1	Rel-15	pc_Band8_nrBand78_powerClassNRPart_r15	
8	DC_2A_n77A	DC_2A_n77A NR part power class	38.101-3, 6.1	Rel-15	pc_Band2_nrBand77_powerClassNRPart_r15	
9	DC_5A_n77A	DC_5A_n77A NR part power class	38.101-3, 6.1	Rel-15	pc_Band5_nrBand77_powerClassNRPart_r15	
10	DC_13A_n77A	DC_13A_n77A NR part power class	38.101-3, 6.1	Rel-15	pc_Band13_nrBand77_powerClassNRPart_r15	
11	DC_66A_n77A	DC_66A_n77A NR part power class	38.101-3, 6.1	Rel-15	pc_Band66_nrBand77_powerClassNRPart_r15	

Table A.4.3.2B.2.3.1-4: UE Power Class implementation Capabilities for inter-band EN-DC within FR1 (two bands)

Item	UE Power Class implementation Capabilities	Ref.	Comments
1	UE Power Class 2 for Inter-band EN-DC within FR1 (two bands)	38.101-3, 6.2B.1.3	Applicable to the bands in Table A.4.3.2B.2.3.1-3
2	UE Power Class 3 for Inter-band EN-DC within FR1 (two bands)	38.101-3, 6.2B.1.3	Applicable to the bands in Table A.4.3.2B.2.3.1-2

Table A.4.3.2B.2.3.1-5: Inter-band EN-DC within FR1 (two bands) with UL MIMO capability

Item	EN-DC configuration	UE Physical Layer Baseline Implementation Capabilities	Ref.	Release	Mnemonic	Comments
1	DC_3A_n78A	n78 band: UL MIMO	38.101-3, 6.2H.1.3	Rel-17	pc_Band3_nrBand78_UL_MIMO	
2	DC_7A_n78A	n78 band: UL MIMO	38.101-3, 6.2H.1.3	Rel-17	pc_Band7_nrBand78_UL_MIMO	
3	DC_8A_n78A	n78 band: UL MIMO	38.101-3, 6.2H.1.3	Rel-17	pc_Band8_nrBand78_UL_MIMO	
4	DC_20A_n78A	n78 band: UL MIMO	38.101-3, 6.2H.1.3	Rel-17	pc_Band20_nrBand78_UL_MIMO	
5	DC_28A_n78A	n78 band: UL MIMO	38.101-3, 6.2H.1.3	Rel-17	pc_Band28_nrBand78_UL_MIMO	
6	DC_40A_n78A	n78 band: UL MIMO	38.101-3, 6.2H.1.3	Rel-17	pc_Band40_nrBand78_UL_MIMO	
7	DC_41A_n78A	n78 band: UL MIMO	38.101-3, 6.2H.1.3	Rel-17	pc_Band41_nrBand78_UL_MIMO	

Table A.4.3.2B.2.3.1-6: Inter-band EN-DC within FR1 (two bands) with Tx Diversity capability

Item	EN-DC configuration	UE Physical Layer Baseline Implementation Capabilities	Ref.	Release	Mnemonic	Comments
1	DC_3A_n78A	n78 band: Tx Diversity	38.101-3, 6.2L.1.3	Rel-17	pc_Band3_nrBand78_TxD	
2	DC_7A_n78A	n78 band: Tx Diversity	38.101-3, 6.2L.1.3	Rel-17	pc_Band7_nrBand78_TxD	
3	DC_8A_n78A	n78 band: Tx Diversity	38.101-3, 6.2L.1.3	Rel-17	pc_Band8_nrBand78_TxD	
4	DC_20A_n78A	n78 band: Tx Diversity	38.101-3, 6.2L.1.3	Rel-17	pc_Band20_nrBand78_TxD	
5	DC_28A_n78A	n78 band: Tx Diversity	38.101-3, 6.2L.1.3	Rel-17	pc_Band28_nrBand78_TxD	
6	DC_40A_n78A	n78 band: Tx Diversity	38.101-3, 6.2L.1.3	Rel-17	pc_Band40_nrBand78_TxD	
7	DC_41A_n78A	n78 band: Tx Diversity	38.101-3, 6.2L.1.3	Rel-17	pc_Band41_nrBand78_TxD	

A.4.3.2B.2.3.2 Inter-band EN-DC within FR1 (three bands)

Table A.4.3.2B.2.3.2-1: Downlink Bandwidth Class Combination capabilities for Inter-band EN-DC within FR1 and three bands (for one or more of the supported DC configurations in Table A.4.3.2B.2.3.2-2)

Item	DL inter-band EN-DC within FR1 Bandwidth Class	Ref.	Mnemonic
1	Inter-band EN-DC within FR1 BW Class Combination A-A_A (three bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.2	pc_DL_inter_band _EN_DC_FR1_3B Class_A-A_A
2	Inter-band EN-DC within FR1 BW Class Combination A-A_B (three bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.2	pc_DL_inter_band _EN_DC_FR1_3B Class_A-A_B
3	Inter-band EN-DC within FR1 BW Class Combination A-A_C (three bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.2	pc_DL_inter_band _EN_DC_FR1_3B Class_A-A_C
4	Inter-band EN-DC within FR1 BW Class Combination A-C_A (three bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.2	pc_DL_inter_band _EN_DC_FR1_3B Class_A-C_A
5	Inter-band EN-DC within FR1 BW Class Combination A-C_C (three bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.2	pc_DL_inter_band _EN_DC_FR1_3B Class_A-C_C
6	Inter-band EN-DC within FR1 BW Class Combination A-D_A (three bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.2	pc_DL_inter_band _EN_DC_FR1_3B Class_A-D_A
7	Inter-band EN-DC within FR1 BW Class Combination A-E_A (three bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.2	pc_DL_inter_band _EN_DC_FR1_3B Class_A-E_A
8	Inter-band EN-DC within FR1 BW Class Combination A_A-A (three bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.2	pc_DL_inter_band _EN_DC_FR1_3B Class_A_A-A
9	Inter-band EN-DC within FR1 BW Class Combination C-A_A (three bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.2	pc_DL_inter_band _EN_DC_FR1_3B Class_C-A_A
10	Inter-band EN-DC within FR1 BW Class Combination C-C_A (three bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.2	pc_DL_inter_band _EN_DC_FR1_3B Class_C-C_A
11	Inter-band EN-DC within FR1 BW Class Combination A_(n)AA (three bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.2	pc_DL_inter_band _EN_DC_FR1_3B Class_A_(n)AA
12	Inter-band EN-DC within FR1 BW Class Combination (2A)-A_A (three bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.2	pc_DL_inter_band _EN_DC_FR1_3B Class_(2A)-A_A
13	Inter-band EN-DC within FR1 BW Class Combination (2A)-C_A (three bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.2	pc_DL_inter_band _EN_DC_FR1_3B Class_(2A)-C_A
14	Inter-band EN-DC within FR1 BW Class Combination A-A_(2A) (three bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.2	pc_DL_inter_band _EN_DC_FR1_3B Class_A-A_(2A)
15	Inter-band EN-DC within FR1 BW Class Combination A-C_(2A) (three bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.2	pc_DL_inter_band _EN_DC_FR1_3B Class_A-C_(2A)

Table A.4.3.2B.2.3.2-1a: Uplink Bandwidth Class Combination capabilities for Inter-band EN-DC within FR1 and three bands (for one or more of the supported configurations in Table A.4.3.2B.2.3.2-2)

Item	UL inter-band EN-DC within FR1 Bandwidth Class	Ref.	Mnemonic	Comments
1	UL Inter-band EN-DC within FR1 BW Class Combination A_A (three bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.2	pc_UL_inter_band _EN_DC_FR1_3B _Class_A_A	
2	UL Inter-band EN-DC within FR1 BW Class Combination C_A (three bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.2	pc_UL_inter_band _EN_DC_FR1_3B _Class_C_A	
3	UL Inter-band EN-DC within FR1 BW Class Combination C_B (three bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.2	pc_UL_inter_band _EN_DC_FR1_3B _Class_C_B	
4	UL Inter-band EN-DC within FR1 BW Class Combination (n)AA (three bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.2	pc_UL_inter_band _EN_DC_FR1_3B _Class_(n)AA	

Table A.4.3.2B.2.3.2-2: Supported Inter-band EN-DC configurations within FR1 (three bands)

EN-DC configuration / Item (Note 1, 3, 5)	Release	Supported	Supported EN-DC Bandwidth Class(es) in UL (Note 2, 4)
DC 1A-3A n28A	Rel-15		
DC 1A-3A n41A	Rel-16		
DC 1A-3A n77A	Rel-15		
DC 1A-3A n78A	Rel-15		
DC 1A-3C n77A	Rel-17		
DC 1A-3C n77(2A)	Rel-17		
DC 1A-3C n78A	Rel-15		
DC 1A-3C n78(2A)	Rel-16		
DC 1A-1A-3A n78A	Rel-17		
DC 1A-1A-3C n78A	Rel-17		
DC 1A-1A-5A n78A	Rel-17		
DC 1A-3A n79A	Rel-15		
DC 1A-5A n78C	Rel-17		
DC 1A-7A n3A	Rel-16		
DC 1A-7A n28A	Rel-15		
DC 1A-7A n78A	Rel-15		
DC 1A-8A n3A	Rel-16		
DC 1A-8A n77A	Rel-16		
DC 1A-8A n77(2A)	Rel-16		
DC 1A-8A n78A	Rel-15		
DC 1A-8A n78(2A)	Rel-17		
DC 1A-18A n77A	Rel-15		
DC 1A-19A n77(2A)	Rel-17		
DC 1A-19A n78A	Rel-15		
DC 1A-19A n78(2A)	Rel-17		
DC 1A-19A n79A	Rel-15		
DC 1A-20A n3A	Rel-16		
DC 1A-20A n8A	Rel-16		
DC 1A-20A n28A	Rel-15		
DC 1A-20A n78A	Rel-15		
DC 1A-21A n28A	Rel-17		
DC 1A-21A n77(2A)	Rel-17		
DC 1A-21A n78A	Rel-15		
DC 1A-21A n78(2A)	Rel-17		
DC 1A-21A n79A	Rel-15		
DC 1A-28A n3A	Rel-16		
DC 1A-28A n5A	Rel-16		
DC 1A-28A n78C	Rel-15		
DC 1A n28A-n78A	Rel-15		
DC 1A n28A-n79A	Rel-17		
DC 1A-41A n28A	Rel-16		
DC 1A-41C n28A	Rel-16		
DC 1A-41A n41A	Rel-16		
DC 1A-41A n77A	Rel-15		
DC 1A-42A n78A	Rel-15		
DC 1A-42C n78A	Rel-15		
DC 1A-42D n78A	Rel-15		
DC 1A-42E n78A	Rel-15		
DC 1A-42A n79A	Rel-15		
DC 1A-42C n79A	Rel-15		
DC 1A-42D n79A	Rel-15		
DC 1A-42E n79A	Rel-15		
DC 1A n78A-n79A	Rel-15		
DC 2A-5A n2A	Rel-16		
DC 2A-5A n66A	Rel-15		
DC 2A-2A-5A n66A	Rel-17		
DC 2A-5A n77A	Rel-17		
DC 2A-5A n77(2A)	Rel-17		
DC 2A-2A-5A n77A	Rel-17		
DC 2A-2A-5A n77(2A)	Rel-18		

DC 2A_n5A-n77A	Rel-17		
DC 2A-13A_n77A	Rel-17		
DC 2A-2A-14A_n66A	Rel-16		
DC 2A-2A-66A_n66A	Rel-16		
DC 2A-14A_n2A	Rel-16		
DC 2A-14A_n66A	Rel-16		
DC 2A-14A_n77A	Rel-17		
DC 2A-2A-14A_n77A	Rel-17		
DC 2A-14A_n77(2A)	Rel-17		
DC 2A-2A-14A_n77(2A)	Rel-18		
DC 2A-66A_n2A	Rel-16		
DC 2A-66A_n41A	Rel-16		
DC 2A-66A_n66A	Rel-16		
DC 2A-66A-66A_n66A	Rel-17		
DC 2A-2A-66A-66A_n66A	Rel-17		
DC 2A-66A_n5A	Rel-16		
DC 2A-2A-66A_n5A	Rel-16		
DC 2A-66A-66A_n5A	Rel-16		
DC 2A-2A-66A-66A_n5A	Rel-16		
DC 2A-66A_n71A	Rel-15		
DC 2A-66A_n77A	Rel-17		
DC 2A-66A_n77(2A)	Rel-17		
DC 2A-2A-66A_n77A	Rel-17		
DC 2A-2A-66A_n77(2A)	Rel-18		
DC 2A-66A-66A_n2A	Rel-17		
DC 2A-66A-66A_n77A	Rel-17		
DC 2A-66A-66A_n77(2A)	Rel-18		
DC 2A-2A-66A-66A_n77A	Rel-17		
DC 2A-(n)71AA	Rel-15		
DC 3A_n1A-n78A	Rel-17		
DC 3A_n1A-n79A	Rel-17		
DC 3A-5A_n78C	Rel-17		
DC 3A-7A_n1A	Rel-16		
DC 3A-7A_n5A	Rel-16		
DC 3A-7A_n8A	Rel-16		
DC 3A-7A_n28A	Rel-15		
DC 3A-7A_n78A	Rel-15		
DC 3A-8A_n1A	Rel-16		
DC 3A-8A_n28A	Rel-16		
DC 3A-8A_n77A	Rel-16		
DC 3A-8A_n77(2A)	Rel-16		
DC 3A-8A_n78A	Rel-15		
DC 3A-8A_n78(2A)	Rel-17		
DC 3A-18A_n77A	Rel-16		
DC 3A-18A_n78A	Rel-16		
DC 3A-19A_n1A	Rel-17		
DC 3A-19A_n77(2A)	Rel-17		
DC 3A-19A_n78A	Rel-15		
DC 3A-19A_n78(2A)	Rel-17		
DC 3A-19A_n79A	Rel-15		
DC 3A-20A_n1A	Rel-16		
DC 3A-20A_n8A	Rel-16		
DC 3A-20A_n28A	Rel-15		
DC 3A-20A_n78A	Rel-15		
DC 3A-21A_n1A	Rel-17		
DC 3A-21A_n28A	Rel-17		
DC 3A-21A_n77(2A)	Rel-17		
DC 3A-21A_n78A	Rel-15		
DC 3A-21A_n78(2A)	Rel-17		
DC 3A-21A_n79A	Rel-15		
DC 3A-28A_n78A	Rel-15		
DC 3A_n28A-n78A	Rel-15		
DC 3A_n28A-n79A	Rel-17		
DC 3A-40A_n1A	Rel-16		
DC 3A-41A_n28A	Rel-17		

DC 3A-41C_n28A	Rel-16		
DC 3A-41A_n41A	Rel-16		
DC 3A-41A_n77A	Rel-16		
DC 3A-41A_n77(2A)	Rel-16		
DC 3A-41C_n77A	Rel-16		
DC 3A-42A_n1A	Rel-17		
DC 3A-42C_n1A	Rel-17		
DC 3A-42A_n78A	Rel-15		
DC 3A-42C_n78A	Rel-15		
DC 3A-42D_n78A	Rel-15		
DC 3A-42E_n78A	Rel-15		
DC 3A-42A_n79A	Rel-15		
DC 3A-42C_n79A	Rel-15		
DC 3A-42D_n79A	Rel-15		
DC 3A-42E_n79A	Rel-15		
DC 3A_n78A-n79A	Rel-15		
DC 3C-8A_n77A	Rel-17		
DC 3C-8A_n77(2A)	Rel-17		
DC 5A-66A_n2A	Rel-16		
DC 5A-66A-66A_n2A	Rel-16		
DC 5A-66A_n66A	Rel-16		
DC 5A-66A_n77A	Rel-17		
DC 5A-66A_n77(2A)	Rel-17		
DC 5A-66A-66A_n77A	Rel-17		
DC 5A-66A-66A_n77(2A)	Rel-18		
DC 5A-7A_n78A	Rel-15		
DC 7A-5A_n78A	Rel-16		
DC 7A-8A_n1A	Rel-16		
DC 7A-8A_n3A	Rel-16		
DC 7A-20A_n1A	Rel-16		
DC 7A-20A_n3A	Rel-16		
DC 7A-20A_n8A	Rel-16		
DC 7A-20A_n28A	Rel-15		
DC 7A-20A_n78A	Rel-15		
DC 7A-28A_n5A	Rel-16		
DC 7A_n28A-n78A	Rel-15		
DC 7C-5A_n78A	Rel-16		
DC 7C_n28A-n78A	Rel-16		
DC 13A_n2A-n77A	Rel-17		
DC 13A-66A_n2A	Rel-16		
DC 13A-66A_n77A	Rel-17		
DC 14A-66A_n2A	Rel-16		
DC 14A-66A-66A_n2A	Rel-16		
DC 14A-66A_n66A	Rel-16		
DC 14A-66A_n77A	Rel-17		
DC 14A-66A-66A_n77A	Rel-17		
DC 14A-66A_n77(2A)	Rel-17		
DC 14A-66A-66A_n77(2A)	Rel-18		
DC 18A-41C_n3A	Rel-16		
DC 18A-41A_n77A	Rel-16		
DC 18A-41C_n77A	Rel-16		
DC 18A-41A_n78A	Rel-16		
DC 18A-41C_n78A	Rel-16		
DC 19A_n1A-n78A	Rel-17		
DC 19A_n1A-n79A	Rel-17		
DC 19A-21A_n1A	Rel-17		
DC 19A-21A_n77(2A)	Rel-17		
DC 19A-21A_n78A	Rel-15		
DC 19A-21A_n78(2A)	Rel-17		
DC 19A-21A_n79A	Rel-15		
DC 19A-42A_n1A	Rel-17		
DC 19A-42C_n1A	Rel-17		
DC 19A-42A_n78A	Rel-15		
DC 19A-42A_n79A	Rel-15		
DC 19A-42C_n78A	Rel-15		

DC 19A-42C_n79A	Rel-15		
DC 19A_n78A-n79A	Rel-15		
DC 20A_n28A-n78A	Rel-15		
DC 21A_n1A-n78A	Rel-17		
DC 21A_n1A-n79A	Rel-17		
DC 21A_n28A-n77A	Rel-17		
DC 21A_n28A-n78A	Rel-17		
DC 21A_n28A-n79A	Rel-17		
DC 21A-42A_n1A	Rel-17		
DC 21A-42C_n1A	Rel-17		
DC 21A-42A_n78A	Rel-15		
DC 21A-42C_n78A	Rel-15		
DC 21A-42A_n79A	Rel-15		
DC 21A-42C_n79A	Rel-15		
DC 21A_n78A-n79A	Rel-15		
DC 28A_n7A-n78A	Rel-16		
DC 66A_n2A-n77A	Rel-17		
DC 66A_n5A-n77A	Rel-17		
DC 66A-(n)71AA	Rel-15		
Note 1:	Notation used for inter-band EN-DC Bands is according to TS 38.101-3 [25] Table 5.5B.4.2-1, e.g. 'DC_1A-3C_n78A' indicates EN-DC operation on E-UTRA CA configuration CA_1A-3C with E-UTRA DL Bandwidth Classes A, C for the E-UTRA bands 1 and 3 respectively and NR band n78 with NR DL CA Bandwidth Class A.		
Note 2:	See UL_nCC(<i>table_index</i>) in Note 2 of Table 4.0-3 in TS 38.522 [9].		
Note 3:	See DL_nCC(<i>table_index</i>) in Note 4 of Table 4.0-3 in TS 38.522 [9].		
Note 4:	See UL_NR_nCC(<i>table_index</i>) in Note 3 of Table 4.0-3 in TS 38.522 [9].		
Note 5:	See DL_NR_nCC(<i>table_index</i>) in Note 5 of Table 4.0-3 in TS 38.522 [9].		

Table A.4.3.2B.2.3.2-3: Inter-band EN-DC within FR1 (three bands) PC2 UE RF Baseline Implementation Capabilities

Item	EN-DC configuration	Inter-band EN-DC within FR1 (three bands) PC2 UE RF Baseline Implementation Capabilities	Ref.	Release	Mnemonic	Comments
1	DC_1A-3A_n78A	LTE Frequency band 1: 1920-1980 MHz (UL), 2110- 2170 MHz (DL) LTE Frequency band 3: 1710-1785 MHz (UL), 1805-1880 MHz (DL) NR Frequency band n78: 3300-3800 MHz	38.101-3, 6.2B.1.3	Rel-18	pc_Band1_Band3_nrBand78_PC2_Supp	
2	DC_1A-3A_n79A	LTE Frequency band 1: 1920-1980 MHz (UL), 2110- 2170 MHz (DL) LTE Frequency band 3: 1710-1785 MHz (UL), 1805-1880 MHz (DL) NR Frequency band n79: 4400-5000 MHz	38.101-3, 6.2B.1.3	Rel-18	pc_Band1_Band3_nrBand79_PC2_Supp	
3	DC_1A-19A_n78A	LTE Frequency band 1: 1920-1980 MHz (UL), 2110- 2170 MHz (DL) LTE Frequency band 19: 830-845 MHz (UL), 875-890 MHz (DL) NR Frequency band n78: 3300-3800 MHz	38.101-3, 6.2B.1.3	Rel-18	pc_Band1_Band19_nrBand78_PC2_Supp	
4	DC_1A-19A_n79A	LTE Frequency band 1: 1920-1980 MHz (UL), 2110- 2170 MHz (DL) LTE Frequency band 19: 830-845 MHz (UL), 875-890 MHz (DL) NR Frequency band n79: 4400-5000 MHz	38.101-3, 6.2B.1.3	Rel-18	pc_Band1_Band19_nrBand79_PC2_Supp	
5	DC_1A-21A_n78A	LTE Frequency band 1: 1920-1980 MHz (UL), 2110- 2170 MHz (DL) LTE Frequency band 21: 1447.9-1462.9 MHz (UL), 1495.9-1510.9 MHz (DL) NR Frequency band n78: 3300-3800 MHz	38.101-3, 6.2B.1.3	Rel-18	pc_Band1_Band21_nrBand78_PC2_Supp	
6	DC_1A-21A_n79A	LTE Frequency band 1: 1920-1980 MHz (UL), 2110- 2170 MHz (DL) LTE Frequency band 21: 1447.9-1462.9 MHz (UL), 1495.9-1510.9 MHz (DL) NR Frequency band n79: 4400-5000 MHz	38.101-3, 6.2B.1.3	Rel-18	pc_Band1_Band21_nrBand79_PC2_Supp	
7	DC_1A-42A_n79A	LTE Frequency band 1: 1920-1980 MHz (UL), 2110- 2170 MHz (DL) LTE Frequency band 42: 3400-3600 MHz NR Frequency band n79: 4400-5000 MHz	38.101-3, 6.2B.1.3	Rel-18	pc_Band1_Band42_nrBand79_PC2_Supp	
8	DC_1A_n78A-n79A	LTE Frequency band 1: 1920-1980 MHz (UL), 2110- 2170 MHz (DL) NR Frequency band n78: 3300-3800 MHz NR Frequency band n79: 4400-5000 MHz	38.101-3, 6.2B.1.3	Rel-18	pc_Band1_nrBand78_nrBand79_PC2_Supp	
8A	DC_2A_n5A-n77A	LTE frequency band 2: 1850-1910 MHz (UL), 1930-1990 MHz (DL) NR frequency band n5: 824-849 MHz (UL), 869-894 MHz (DL) NR frequency band n77: 3300-4200 MHz	38.101-3, 6.2B.1.3	Rel-17	pc_Band2_nrBand5_nrBand77_PC2_Supp	
8B	DC_2A-13A_n77A	LTE frequency band 2: 1850-1910 MHz (UL), 1930-1990 MHz (DL) LTE frequency band 13: 777-787 MHz (UL), 746-756 MHz (DL) NR frequency band n77: 3300-4200 MHz	38.101-3, 6.2B.1.3	Rel-17	pc_Band2_Band13_nrBand77_PC2_Supp	

8C	DC_2A-66A_n77A	LTE frequency band 2: 1850-1910 MHz (UL), 1930-1990 MHz (DL) LTE frequency band 66: 1710-1780 MHz (UL), 2110-2200 MHz (DL) NR frequency band n77: 3300-4200 MHz	38.101-3, 6.2B.1.3	Rel-17	pc_Band2_Band66_nrBand77_PC2_Supp	
9	DC_3A-19A_n78A	LTE Frequency band 3: 1710-1785 MHz (UL), 1805-1880 MHz (DL) LTE Frequency band 19: 830-845 MHz (UL), 875-890 MHz (DL) NR Frequency band n78: 3300-3800 MHz	38.101-3, 6.2B.1.3	Rel-18	pc_Band3_Band19_nrBand78_PC2_Supp	
10	DC_3A-19A_n79A	LTE Frequency band 3: 1710-1785 MHz (UL), 1805-1880 MHz (DL) LTE Frequency band 19: 830-845 MHz (UL), 875-890 MHz (DL) NR Frequency band n79: 4400-5000 MHz	38.101-3, 6.2B.1.3	Rel-18	pc_Band3_Band19_nrBand79_PC2_Supp	
11	DC_3A-21A_n78A	LTE Frequency band 3: 1710-1785 MHz (UL), 1805-1880 MHz (DL) LTE Frequency band 21: 1447.9-1462.9 MHz (UL), 1495.9-1510.9 MHz (DL) NR Frequency band n78: 3300-3800 MHz	38.101-3, 6.2B.1.3	Rel-18	pc_Band3_Band21_nrBand78_PC2_Supp	
12	DC_3A-21A_n79A	LTE Frequency band 3: 1710-1785 MHz (UL), 1805-1880 MHz (DL) LTE Frequency band 21: 1447.9-1462.9 MHz (UL), 1495.9-1510.9 MHz (DL) NR Frequency band n79: 4400-5000 MHz	38.101-3, 6.2B.1.3	Rel-18	pc_Band3_Band21_nrBand79_PC2_Supp	
13	DC_3A-42A_n79A	LTE Frequency band 3: 1710-1785 MHz (UL), 1805-1880 MHz (DL) LTE Frequency band 42: 3400-3600 MHz NR Frequency band n79: 4400-5000 MHz	38.101-3, 6.2B.1.3	Rel-18	pc_Band3_Band42_nrBand79_PC2_Supp	
14	DC_3A_n78A-n79A	LTE Frequency band 3: 1710-1785 MHz (UL), 1805-1880 MHz (DL) NR Frequency band n78: 3300-3800 MHz NR Frequency band n79: 4400-5000 MHz	38.101-3, 6.2B.1.3	Rel-18	pc_Band3_nrBand78_nrBand79_PC2_Supp	
14A	DC_13A_n2A-n77A	LTE frequency band 13: 777-787 MHz (UL), 746-756 MHz (DL) NR frequency band n2: 1850-1910 MHz (UL), 1930-1990 MHz (DL) NR frequency band n77: 3300-4200 MHz	38.101-3, 6.2B.1.3	Rel-17	pc_Band13_nrBand2_nrBand77_PC2_Supp	
14B	DC_13A-66A_n77A	LTE frequency band 13: 777-787 MHz (UL), 746-756 MHz (DL) LTE frequency band 66: 1710-1780 MHz (UL), 2110-2200 MHz (DL) NR frequency band n77: 3300-4200 MHz	38.101-3, 6.2B.1.3	Rel-17	pc_Band13_Band66_nrBand77_PC2_Supp	
15	DC_19A-21A_n78A	LTE Frequency band 19: 830-845 MHz (UL), 875-890 MHz (DL) LTE Frequency band 21: 1447.9-1462.9 MHz (UL), 1495.9-1510.9 MHz (DL) NR Frequency band n78: 3300-3800 MHz	38.101-3, 6.2B.1.3	Rel-18	pc_Band19_Band21_nrBand78_PC2_Supp	
16	DC_19A-21A_n79A	LTE Frequency band 19: 830-845 MHz (UL), 875-890 MHz (DL) LTE Frequency band 21: 1447.9-1462.9 MHz (UL), 1495.9-1510.9 MHz (DL) NR Frequency band n79: 4400-5000 MHz	38.101-3, 6.2B.1.3	Rel-18	pc_Band19_Band21_nrBand79_PC2_Supp	

17	DC_19A-42A_n79A	LTE Frequency band 19: 830-845 MHz (UL), 875-890 MHz (DL) LTE Frequency band 42: 3400-3600 MHz NR Frequency band n79: 4400-5000 MHz	38.101-3, 6.2B.1.3	Rel-18	pc_Band19_Band42_nrBand79_PC2_Supp	
18	DC_19A_n78A-n79A	LTE Frequency band 19: 830-845 MHz (UL), 875-890 MHz (DL) NR Frequency band n78: 3300-3800 MHz NR Frequency band n79: 4400-5000 MHz	38.101-3, 6.2B.1.3	Rel-18	pc_Band19_nrBand78_nrBand79_PC2_Supp	
19	DC_21A-42A_n79A	LTE Frequency band 21: 1447.9-1462.9 MHz (UL), 1495.9-1510.9 MHz (DL) LTE Frequency band 42: 3400-3600 MHz NR Frequency band n79: 4400-5000 MHz	38.101-3, 6.2B.1.3	Rel-18	pc_Band21_Band42_nrBand79_PC2_Supp	
20	DC_21A_n78A-n79A	LTE Frequency band 21: 1447.9-1462.9 MHz (UL), 1495.9-1510.9 MHz (DL) NR Frequency band n78: 3300-3800 MHz NR Frequency band n79: 4400-5000 MHz	38.101-3, 6.2B.1.3	Rel-18	pc_Band21_nrBand78_nrBand79_PC2_Supp	
21	DC_66A_n2A-n77A	LTE frequency band 66: 1710-1780 MHz (UL), 2110-2200 MHz (DL) NR frequency band n2: 1850-1910 MHz (UL), 1930-1990 MHz (DL) NR frequency band n77: 3300-4200 MHz	38.101-3, 6.2B.1.3	Rel-17	pc_Band66_nrBand2_nrBand77_PC2_Supp	
22	DC_66A_n5A-n77A	LTE frequency band 66: 1710-1780 MHz (UL), 2110-2200 MHz (DL) NR frequency band n5: 824-849 MHz (UL), 869-894 MHz (DL) NR frequency band n77: 3300-4200 MHz	38.101-3, 6.2B.1.3	Rel-17	pc_Band66_nrBand5_nrBand77_PC2_Supp	
23	DC_1A-3A_n77A	LTE Frequency band 1: 1920-1980 MHz (UL), 2110- 2170 MHz (DL) LTE Frequency band 3: 1710-1785 MHz (UL), 1805-1880 MHz (DL) NR frequency band n77: 3300-4200 MHz	38.101-3, 6.2B.1.3	Rel-18	pc_Band1_Band3_nrBand77_PC2_Supp	
24	DC_1A-41A_n77A	LTE Frequency band 1: 1920-1980 MHz (UL), 2110- 2170 MHz (DL) LTE Frequency band 41: 2496-2690 MHz NR frequency band n77: 3300-4200 MHz	38.101-3, 6.2B.1.3	Rel-18	pc_Band1_Band41_nrBand77_PC2_Supp	
25	DC_1A-3A_n41A	LTE Frequency band 1: 1920-1980 MHz (UL), 2110- 2170 MHz (DL) LTE Frequency band 3: 1710-1785 MHz (UL), 1805-1880 MHz (DL) NR Frequency band n41: 2496-2690 MHz	38.101-3, 6.2B.1.3	Rel-18	pc_Band1_Band3_nrBand41_PC2_Supp	
26	DC_1A-18A_n77A	LTE Frequency band 1: 1920-1980 MHz (UL), 2110- 2170 MHz (DL) LTE Frequency band 18: 815-830 MHz (UL), 860-875 MHz (DL) NR frequency band n77: 3300-4200 MHz	38.101-3, 6.2B.1.3	Rel-18	pc_Band1_Band18_nrBand77_PC2_Supp	
27	DC_3A-18A_n77A	LTE Frequency band 3: 1710-1785 MHz (UL), 1805-1880 MHz (DL) LTE Frequency band 18: 815-830 MHz (UL), 860-875 MHz (DL) NR frequency band n77: 3300-4200 MHz	38.101-3, 6.2B.1.3	Rel-18	pc_Band3_Band18_nrBand77_PC2_Supp	

28	DC_3A-41A_n77A	LTE Frequency band 3: 1710-1785 MHz (UL), 1805-1880 MHz (DL) LTE Frequency band 41: 2496-2690 MHz NR frequency band n77: 3300-4200 MHz	38.101-3, 6.2B.1.3	Rel-18	pc_Band3_Band41_nrBand77_PC2_Supp	
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A.4.3.2B.2.3.3 Inter-band EN-DC within FR1 (four bands)

Table A.4.3.2B.2.3.3-1: Downlink Bandwidth Class Combination capabilities for Inter-band EN-DC within FR1 and four bands (for one or more of the supported DC configurations in Table A.4.3.2B.2.3.3-2)

Item	DL inter-band EN-DC within FR1 Bandwidth Class	Ref.	Mnemonic	Comments
1	Inter-band EN-DC within FR1 BW Class Combination A-A-A_A (four bands)	36.101, 5.6A.1 38.101-1, 5.5B.4.3	pc_DL_inter_band_EN_DC_FR1_4B_Class_A-A-A_A	
2	Inter-band EN-DC within FR1 BW Class Combination A-A-C_A (four bands)	36.101, 5.6A.1 38.101-1, 5.5B.4.3	pc_DL_inter_band_EN_DC_FR1_4B_Class_A-A-C_A	
3	Inter-band EN-DC within FR1 BW Class Combination A-A-D_A (four bands)	36.101, 5.6A.1 38.101-1, 5.5B.4.3	pc_DL_inter_band_EN_DC_FR1_4B_Class_A-A-D_A	
4	Inter-band EN-DC within FR1 BW Class Combination A-C-A_A (four bands)	36.101, 5.6A.1 38.101-1, 5.5B.4.3	pc_DL_inter_band_EN_DC_FR1_4B_Class_A-C-A_A	
5	Inter-band EN-DC within FR1 BW Class Combination A-(2A)-A_A (four bands)	36.101, 5.6A.1 38.101-1, 5.5B.4.3	pc_DL_inter_band_EN_DC_FR1_4B_Class_A-(2A)-A_A	
6	Inter-band EN-DC within FR1 BW Class Combination A-A_A-A (four bands)	36.101, 5.6A.1 38.101-1, 5.5B.4.3	pc_DL_inter_band_EN_DC_FR1_4B_Class_A-A_A-A	
7	Inter-band EN-DC within FR1 BW Class Combination A-C_A-A (four bands)	36.101, 5.6A.1 38.101-1, 5.5B.4.3	pc_DL_inter_band_EN_DC_FR1_4B_Class_A-C_A-A	
8	Inter-band EN-DC within FR1 BW Class Combination A-A_(n)AA (four bands)	36.101, 5.6A.1 38.101-1, 5.5B.4.3	pc_DL_inter_band_EN_DC_FR1_4B_Class_A-A_(n)AA	

Table A.4.3.2B.2.3.3-1a: Uplink Bandwidth Class Combination capabilities for Inter-band EN-DC within FR1 and four bands (for one or more of the supported configurations in Table A.4.3.2B.2.3.3-2)

Item	UL inter-band EN-DC within FR1 Bandwidth Class	Ref.	Mnemonic	Comments
1	UL Inter-band EN-DC within FR1 BW Class Combination A_A (four bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.3	pc_UL_inter_band_EN_DC_FR1_4B_Class_A_A	
2	UL Inter-band EN-DC within FR1 BW Class Combination A_B (four bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.3	pc_UL_inter_band_EN_DC_FR1_4B_Class_A_B	
3	UL Inter-band EN-DC within FR1 BW Class Combination (n)AA (four bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.3	pc_UL_inter_band_EN_DC_FR1_4B_Class_(n)AA	
4	UL Inter-band EN-DC within FR1 BW Class Combination C_A (four bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.3	pc_UL_inter_band_EN_DC_FR1_4B_Class_C_A	
5	UL Inter-band EN-DC within FR1 BW Class Combination C_B (four bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.3	pc_UL_inter_band_EN_DC_FR1_4B_Class_C_B	

Table A.4.3.2B.2.3.3-2: Supported Inter-band EN-DC configurations within FR1 (four bands)

EN-DC configuration / Item (Note 1, 3, 5)	Release	Supported	Supported EN-DC Bandwidth Class(es) in UL (Note 2, 4)
DC 1A-3A-7A_n28A	Rel-15		
DC 1A-3A-7A_n78A	Rel-15		
DC 1A-3A-8A_n77A	Rel-16		
DC 1A-3A-8A_n77(2A)	Rel-16		
DC 1A-3A-8A_n78A	Rel-15		
DC 1A-3A-19A_n77(2A)	Rel-17		
DC 1A-3A-19A_n78A	Rel-15		
DC 1A-3A-19A_n78(2A)	Rel-17		
DC 1A-3A-19A_n79A	Rel-15		
DC 1A-3A-20A_n28A	Rel-15		
DC 1A-3A-20A_n78A	Rel-15		
DC 1A-3A-21A_n77(2A)	Rel-17		
DC 1A-3A-21A_n78A	Rel-15		
DC 1A-3A-21A_n78(2A)	Rel-17		
DC 1A-3A-21A_n79A	Rel-15		
DC 1A-3A-28A_n78A	Rel-15		
DC 1A-3A_n28A-n78A	Rel-15		
DC 1A-3A-42A_n78A	Rel-15		
DC 1A-3A-42C_n78A	Rel-15		
DC 1A-3A-42D_n78A	Rel-16		
DC 1A-3A-42D_n79A	Rel-16		
DC 1A-3A-42A_n79A	Rel-15		
DC 1A-3A-42C_n79A	Rel-15		
DC 1A-3C-8A_n77A	Rel-17		
DC 1A-3C-8A_n77(2A)	Rel-17		
DC 1A-7A_n28A-n78A	Rel-15		
DC 1A-7A-20A_n28A	Rel-15		
DC 1A-7A-20A_n78A	Rel-15		
DC 1A-7A-28A_n78A	Rel-16		
DC 1A-19A-21A_n77(2A)	Rel-17		
DC 1A-19A-21A_n78A	Rel-15		
DC 1A-19A-21A_n78(2A)	Rel-17		
DC 1A-19A-21A_n79A	Rel-15		
DC 1A-19A-42A_n78A	Rel-15		
DC 1A-19A-42C_n78A	Rel-15		
DC 1A-19A-42A_n79A	Rel-15		
DC 1A-19A-42C_n79A	Rel-15		
DC 1A-20A_n28A-n78A	Rel-15		
DC 1A-21A-42A_n78A	Rel-15		
DC 1A-21A-42C_n78A	Rel-15		
DC 1A-21A-42A_n79A	Rel-15		
DC 1A-21A-42C_n79A	Rel-15		
DC 2A-2A-14A-66A_n66A	Rel-16		
DC 2A-7A-7A-13A_n66A	Rel-16		
DC 2A-7A-7A-66A_n66A	Rel-16		
DC 2A-7A-7A-66A_n78A	Rel-16		
DC 2A-7A-13A_n66A	Rel-16		
DC 2A-7A-66A_n66A	Rel-16		
DC 2A-7C-13A_n66A	Rel-16		
DC 2A-7C-66A_n66A	Rel-16		
DC 2A-7C-66A_n78A	Rel-16		
DC 2A-13A-66A_n77A	Rel-17		
DC 2A-14A-66A_n2A	Rel-16		
DC 2A-14A-66A_n66A	Rel-16		
DC 2A-14A-66A-66A_n2A	Rel-16		
DC 2A-66A_n5A-n77A	Rel-17		
DC 2A-66A-(n)71AA	Rel-15		
DC 3A-7A-20A_n1A	Rel-16		
DC 3A-7A-20A_n8A	Rel-16		
DC 3A-7A-20A_n28A	Rel-15		

DC_3A-7A-20A_n78A	Rel-15		
DC_3A-7A-28A_n78A	Rel-15		
DC_3A-7A_n28A-n78A	Rel-15		
DC_3A-19A_n1A-n78A	Rel-17		
DC_3A-19A_n1A-n79A	Rel-17		
DC_3A-19A-21A_n78A	Rel-15		
DC_3A-19A-21A_n79A	Rel-15		
DC_3A-19A-42A_n1A	Rel-17		
DC_3A-19A-42C_n1A	Rel-17		
DC_3A-19A-42A_n78A	Rel-15		
DC_3A-19A-42C_n78A	Rel-15		
DC_3A-19A-42A_n79A	Rel-15		
DC_3A-19A-42C_n79A	Rel-15		
DC_3A-20A_n28A-n78A	Rel-15		
DC_3A-21A_n1A-n78A	Rel-17		
DC_3A-21A_n1A-n79A	Rel-17		
DC_3A-21A-42A_n78A	Rel-15		
DC_3A-21A-42C_n78A	Rel-15		
DC_3A-21A-42A_n79A	Rel-15		
DC_3A-21A-42C_n79A	Rel-15		
DC_3A-42A_n1A-n78A	Rel-17		
DC_3A-42C_n1A-n78A	Rel-17		
DC_3A-42A_n1A-n79A	Rel-17		
DC_3A-42C_n1A-n79A	Rel-17		
DC_7A-20A_n28A-n78A	Rel-15		
DC_13A-66A_n2A-n77A	Rel-17		
DC_19A-21A_n1A-n78A	Rel-17		
DC_19A-21A_n1A-n79A	Rel-17		
DC_19A-21A-42A_n1A	Rel-17		
DC_19A-21A-42C_n1A	Rel-17		
DC_19A-21A-42A_n78A	Rel-15		
DC_19A-21A-42C_n78A	Rel-15		
DC_19A-21A-42A_n79A	Rel-15		
DC_19A-21A-42C_n79A	Rel-15		
DC_19A-42A_n1A-n78A	Rel-17		
DC_19A-42C_n1A-n78A	Rel-17		
DC_19A-42A_n1A-n79A	Rel-17		
DC_19A-42C_n1A-n79A	Rel-17		
DC_21A-42A_n1A-n78A	Rel-17		
DC_21A-42C_n1A-n78A	Rel-17		
DC_21A-42A_n1A-n79A	Rel-17		
DC_21A-42C_n1A-n79A	Rel-17		
Note 1:	Notation used for inter-band EN-DC Bands is according to TS 38.101-3 [25] Table 5.5B.4.3-1, e.g. 'DC_2A-7C-13A_n66A' indicates EN-DC operation on E-UTRA CA configuration CA_2A-7C-13A with E-UTRA DL Bandwidth Classes A, C, A for the E-UTRA bands 2, 7 and 13 respectively and NR band n66 with NR DL CA Bandwidth Class A.		
Note 2:	See UL_nCC(table_index) in Note 2 of Table 4.0-3 in TS 38.522 [9].		
Note 3:	See DL_nCC(table_index) in Note 4 of Table 4.0-3 in TS 38.522 [9].		
Note 4:	See UL_NR_nCC(table_index) in Note 3 of Table 4.0-3 in TS 38.522 [9].		
Note 5:	See DL_NR_nCC(table_index) in Note 5 of Table 4.0-3 in TS 38.522 [9].		

A.4.3.2B.2.3.4 Inter-band EN-DC within FR1 (five bands)

Table A.4.3.2B.2.3.4-1: Downlink Bandwidth Class Combination capabilities for Inter-band EN-DC within FR1 and five bands (for one or more of the supported DC configurations in Table A.4.3.2B.2.3.4-2)

Item	DL inter-band EN-DC within FR1 Bandwidth Class	Ref.	Mnemonic	Comments
1	Inter-band EN-DC within FR1 BW Class Combination A-A-A-A_A (five bands)	36.101, 5.6A.1 38.101-1, 5.5B.4.4	pc_DL_inter_band _EN_DC_FR1_5B _Class_A-A-A- A_A	
2	Inter-band EN-DC within FR1 BW Class Combination A-A-A_A-A (five bands)	36.101, 5.6A.1 38.101-1, 5.5B.4.4	pc_DL_inter_band _EN_DC_FR1_5B _Class_A-A-A-A- A	
3	Inter-band EN-DC within FR1 BW Class Combination A-A-A-C_A (five bands)	36.101, 5.6A.1 38.101-1, 5.5B.4.4	pc_DL_inter_band _EN_DC_FR1_5B _Class_A-A-A-C A	
4	Inter-band EN-DC within FR1 BW Class Combination A-A-C-A_A (five bands)	36.101, 5.6A.1 38.101-1, 5.5B.4.4	pc_DL_inter_band _EN_DC_FR1_5B _Class_A-A-C- A_A	
5	Inter-band EN-DC within FR1 BW Class Combination A-A-C_A-A (five bands)	36.101, 5.6A.1 38.101-1, 5.5B.4.4	pc_DL_inter_band _EN_DC_FR1_5B _Class_A-A-C_A- A	
6	Inter-band EN-DC within FR1 BW Class Combination A-C-A-A_A (five bands)	36.101, 5.6A.1 38.101-1, 5.5B.4.4	pc_DL_inter_band _EN_DC_FR1_5B _Class_A-C-A- A_A	
7	Inter-band EN-DC within FR1 BW Class Combination C-A-A-A_A (five bands)	36.101, 5.6A.1 38.101-1, 5.5B.4.4	pc_DL_inter_band _EN_DC_FR1_5B _Class_C-A-A- A_A	

Table A.4.3.2B.2.3.4-1a: Uplink Bandwidth Class Combination capabilities for Inter-band EN-DC within FR1 and five bands (for one or more of the supported configurations in Table A.4.3.2B.2.3.4-2)

Item	UL inter-band EN-DC within FR1 Bandwidth Class	Ref.	Mnemonic	Comments
1	UL Inter-band EN-DC within FR1 BW Class Combination A_A (five bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.4	pc_UL_inter_band _EN_DC_FR1_5B _Class_A_A	
2	UL Inter-band EN-DC within FR1 BW Class Combination A_B (five bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.4	pc_UL_inter_band _EN_DC_FR1_5B _Class_A_B	
3	UL Inter-band EN-DC within FR1 BW Class Combination C_A (five bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.4	pc_UL_inter_band _EN_DC_FR1_5B _Class_C_A	
4	UL Inter-band EN-DC within FR1 BW Class Combination C_B (five bands)	36.101, 5.6A.1 38.101-3, 5.5B.4.4	pc_UL_inter_band _EN_DC_FR1_5B _Class_C_B	

Table A.4.3.2B.2.3.4-2: Supported Inter-band EN-DC configurations within FR1 (five bands)

EN-DC configuration / Item (Note 1, 3, 5)	Release	Supported	Supported EN-DC Bandwidth Class(es) in UL (Note 2, 4)
DC_1A-3A-7A-20A_n28A	Rel-15		
DC_1A-3A-7A-20A_n78A	Rel-15		
DC_1A-3A-7A-28A_n78A	Rel-16		
DC_1A-3A-7A_n28A-n78A	Rel-15		
DC_1A-3A-19A-42A_n78A	Rel-15		
DC_1A-3A-19A-42C_n78A	Rel-15		
DC_1A-3A-19A-42A_n79A	Rel-15		
DC_1A-3A-19A-42C_n79A	Rel-15		
DC_1A-3A-20A_n28A-n78A	Rel-15		
DC_1A-3A-21A-42A_n78A	Rel-15		
DC_1A-3A-21A-42C_n78A	Rel-15		
DC_1A-3A-21A-42A_n79A	Rel-15		
DC_1A-3A-21A-42C_n79A	Rel-15		
DC_1A-7A-20A_n28A-n78A	Rel-15		
DC_1A-19A-21A-42A_n78A	Rel-15		
DC_1A-19A-21A-42C_n78A	Rel-15		
DC_1A-19A-21A-42A_n79A	Rel-15		
DC_1A-19A-21A-42C_n79A	Rel-15		
DC_3A-7A-20A_n28A-n78A	Rel-15		
DC_3A-19A-21A-42A_n78A	Rel-16		
DC_3A-19A-21A-42C_n78A	Rel-16		
DC_3A-19A-21A-42A_n79A	Rel-16		
DC_3A-19A-21A-42C_n79A	Rel-16		
DC_3A-19A-42A_n1A-n78A	Rel-17		
DC_3A-19A-42C_n1A-n78A	Rel-17		
DC_3A-19A-42A_n1A-n79A	Rel-17		
DC_3A-19A-42C_n1A-n79A	Rel-17		
DC_3A-21A-42A_n1A-n78A	Rel-17		
DC_3A-21A-42C_n1A-n78A	Rel-17		
DC_3A-21A-42A_n1A-n79A	Rel-17		
DC_3A-21A-42C_n1A-n79A	Rel-17		
DC_19A-21A-42A_n1A-n78A	Rel-17		
DC_19A-21A-42C_n1A-n78A	Rel-17		
DC_19A-21A-42A_n1A-n79A	Rel-17		
DC_19A-21A-42C_n1A-n79A	Rel-17		
Note 1:	Notation used for inter-band EN-DC Bands is according to TS 38.101-3 [25] Table 5.5B.4.4-1, e.g. 'DC_1A-3A-5A-41A_n79A' indicates EN-DC operation on E-UTRA CA configuration CA_1A-3A-5A-41A with E-UTRA DL Bandwidth Classes A for all the E-UTRA bands 1, 3, 5 and 41 and NR band n79 with NR DL CA Bandwidth Class A.		
Note 2:	See UL_nCC(table_index) in Note 2 of Table 4.0-3 in TS 38.522 [9].		
Note 3:	See DL_nCC(table_index) in Note 4 of Table 4.0-3 in TS 38.522 [9].		
Note 4:	See UL_NR_nCC(table_index) in Note 3 of Table 4.0-3 in TS 38.522 [9].		
Note 5:	See DL_NR_nCC(table_index) in Note 5 of Table 4.0-3 in TS 38.522 [9].		

A.4.3.2B.2.3.5 Inter-band EN-DC within FR1 (six bands)

Table A.4.3.2B.2.3.5-1: Downlink Bandwidth Class Combination capabilities for Inter-band EN-DC within FR1 and six bands (for one or more of the supported DC configurations in Table A.4.3.2B.2.3.5-2)

Item	DL inter-band EN-DC within FR1 Bandwidth Class	Ref.	Mnemonic	Comments
1	EN-DC Inter-band with NR FR1 BW Class Combination A-A-A-A_A-A (six bands)	36.101, 5.6A.1 38.101-1, 5.5B.4.5	pc_DL_inter_band _EN_DC_FR1_6B _Class_A-A-A- A_A-A	
2	EN-DC Inter-band with NR FR1 BW Class Combination A-A-C-A_A-A (six bands)	36.101, 5.6A.1 38.101-1, 5.5B.4.5	pc_DL_inter_band _EN_DC_FR1_6B _Class_A-A-C- A_A-A	
3	EN-DC Inter-band with NR FR1 BW Class Combination A-C-A-A_A-A (six bands)	36.101, 5.6A.1 38.101-1, 5.5B.4.5	pc_DL_inter_band _EN_DC_FR1_6B _Class_A-C-A- A_A-A	
4	EN-DC Inter-band with NR FR1 BW Class Combination A-C-C-A_A-A (six bands)	36.101, 5.6A.1 38.101-1, 5.5B.4.5	pc_DL_inter_band _EN_DC_FR1_6B _Class_A-C-C- A_A-A	

Table A.4.3.2B.2.3.5-1a: Uplink Bandwidth Class Combination capabilities for Inter-band EN-DC within FR1 and six bands (for one or more of the supported configurations in Table A.4.3.2B.2.3.5-2)

Item	UL inter-band EN-DC within FR1 Bandwidth Class	Ref.	Mnemonic	Comments
1	UL Inter-band EN-DC within FR1 BW Class Combination A_A (six bands)	36.101, 5.6A.1 38.101-1, 5.5B.4.5	pc_UL_inter_band _EN_DC_FR1_6B _Class_A_A	
2	UL Inter-band EN-DC within FR1 BW Class Combination C_A (six bands)	36.101, 5.6A.1 38.101-1, 5.5B.4.5	pc_UL_inter_band _EN_DC_FR1_6B _Class_C_A	

Table A.4.3.2B.2.3.5-2: Supported Inter-band EN-DC configurations within FR1 (six bands)

EN-DC configuration / Item (Note 1, 3, 5)	Release	Supported	Supported EN-DC Bandwidth Class(es) in UL (Note 2, 4)
DC_1A-3A-7A-20A_n28A-n78A	Rel-15		
Note 1: Notation used for inter-band EN-DC Bands is according to TS 38.101-3 [25] Table 5.5B.4.5-1, e.g. 'DC_1A-3A-7A-20A_n28A-n78A' indicates EN-DC operation on E-UTRA CA configuration CA_1A-3A-7A-20A with E-UTRA DL Bandwidth Class A for all the E-UTRA bands 1, 3, 7 and 20 and NR CA configuration CA_n28A-n78A with NR DL CA Bandwidth Class A for all the NR bands n28 and n78. Note 2: See UL_nCC(table_index) in Note 2 of Table 4.0-3 in TS 38.522 [9]. Note 3: See DL_nCC(table_index) in Note 4 of Table 4.0-3 in TS 38.522 [9]. Note 4: See UL_NR_nCC(table_index) in Note 3 of Table 4.0-3 in TS 38.522 [9]. Note 5: See DL_NR_nCC(table_index) in Note 5 of Table 4.0-3 in TS 38.522 [9].			

A.4.3.2B.2.3.6 Inter-band EN-DC including FR2 (two bands)

Table A.4.3.2B.2.3.6-1: Downlink Bandwidth Class Combination capabilities for Inter-band EN-DC including FR2 and two bands (for one or more of the supported DC configurations in Table A.4.3.2B.2.3.6-2)

Item	DL inter-band EN-DC including FR2 Bandwidth Class	Ref.	Mnemonic	Comments
1	Inter-band EN-DC including FR2 BW Class Combination A_A (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.1	pc_DL_inter_band _EN_DC_FR2_2B Class_A_A	
2	Inter-band EN-DC including FR2 BW Class Combination A_B (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.1	pc_DL_inter_band _EN_DC_FR2_2B Class_A_B	
3	Inter-band EN-DC including FR2 BW Class Combination A_C (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.1	pc_DL_inter_band _EN_DC_FR2_2B Class_A_C	
4	Inter-band EN-DC including FR2 BW Class Combination A_D (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.1	pc_DL_inter_band _EN_DC_FR2_2B Class_A_D	
5	Inter-band EN-DC including FR2 BW Class Combination A_E (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.1	pc_DL_inter_band _EN_DC_FR2_2B Class_A_E	
6	Inter-band EN-DC including FR2 BW Class Combination A_F (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.1	pc_DL_inter_band _EN_DC_FR2_2B Class_A_F	
7	Inter-band EN-DC including FR2 BW Class Combination A_G (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.1	pc_DL_inter_band _EN_DC_FR2_2B Class_A_G	
8	Inter-band EN-DC including FR2 BW Class Combination A_H (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.1	pc_DL_inter_band _EN_DC_FR2_2B Class_A_H	
9	Inter-band EN-DC including FR2 BW Class Combination A_I (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.1	pc_DL_inter_band _EN_DC_FR2_2B Class_A_I	
10	Inter-band EN-DC including FR2 BW Class Combination A_J (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.1	pc_DL_inter_band _EN_DC_FR2_2B Class_A_J	
11	Inter-band EN-DC including FR2 BW Class Combination A_K (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.1	pc_DL_inter_band _EN_DC_FR2_2B Class_A_K	
12	Inter-band EN-DC including FR2 BW Class Combination A_L (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.1	pc_DL_inter_band _EN_DC_FR2_2B Class_A_L	
13	Inter-band EN-DC including FR2 BW Class Combination A_M (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.1	pc_DL_inter_band _EN_DC_FR2_2B Class_A_M	
14	Inter-band EN-DC including FR2 BW Class Combination A_O (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.1	pc_DL_inter_band _EN_DC_FR2_2B Class_A_O	
15	Inter-band EN-DC including FR2 BW Class Combination A_P (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.1	pc_DL_inter_band _EN_DC_FR2_2B Class_A_P	
16	Inter-band EN-DC including FR2 BW Class Combination A_Q (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.1	pc_DL_inter_band _EN_DC_FR2_2B Class_A_Q	
17	Inter-band EN-DC including FR2 BW Class Combination (2A)_A (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.1	pc_DL_inter_band _EN_DC_FR2_2B Class_(2A)_A	
18	Inter-band EN-DC including FR2 BW Class Combination C_A (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.1	pc_DL_inter_band _EN_DC_FR2_2B Class_C_A	
19	Inter-band EN-DC including FR2 BW Class Combination C_E (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.1	pc_DL_inter_band _EN_DC_FR2_2B Class_C_E	
20	Inter-band EN-DC including FR2 BW Class Combination C_F (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.1	pc_DL_inter_band _EN_DC_FR2_2B Class_C_F	
21	Inter-band EN-DC including FR2 BW Class Combination D_A (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.1	pc_DL_inter_band _EN_DC_FR2_2B Class_D_A	

22	Inter-band EN-DC including FR2 BW Class Combination E_A (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.1	pc_DL_inter_band _EN_DC_FR2_2B _Class_E_A	
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Table A.4.3.2B.2.3.6-1a: Uplink Bandwidth Class Combination capabilities for Inter-band EN-DC including FR2 and two bands (for one or more of the supported DC configurations in Table A.4.3.2B.2.3.6-2)

Item	UL inter-band EN-DC including FR2 Bandwidth Class	Ref.	Mnemonic	Comments
1	UL Inter-band EN-DC including FR2 BW Class Combination A_A (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.1	pc_UL_inter_band _EN_DC_FR2_2B _Class_A_A	
2	UL Inter-band EN-DC including FR2 BW Class Combination A_D (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.1	pc_UL_inter_band _EN_DC_FR2_2B _Class_A_D	
3	UL Inter-band EN-DC including FR2 BW Class Combination A_G (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.1	pc_UL_inter_band _EN_DC_FR2_2B _Class_A_G	
4	UL Inter-band EN-DC including FR2 BW Class Combination A_H (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.1	pc_UL_inter_band _EN_DC_FR2_2B _Class_A_H	
5	UL Inter-band EN-DC including FR2 BW Class Combination A_I (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.1	pc_UL_inter_band _EN_DC_FR2_2B _Class_A_I	
6	UL Inter-band EN-DC including FR2 BW Class Combination A_J (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.1	pc_UL_inter_band _EN_DC_FR2_2B _Class_A_J	
7	UL Inter-band EN-DC including FR2 BW Class Combination A_K (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.1	pc_UL_inter_band _EN_DC_FR2_2B _Class_A_K	
8	UL Inter-band EN-DC including FR2 BW Class Combination A_L (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.1	pc_UL_inter_band _EN_DC_FR2_2B _Class_A_L	
9	UL Inter-band EN-DC including FR2 BW Class Combination A_M (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.1	pc_UL_inter_band _EN_DC_FR2_2B _Class_A_M	

Table A.4.3.2B.2.3.6-2: Supported Inter-band EN-DC configurations including FR2 (two bands)

EN-DC configuration / Item (Note 1, 3, 5)	Release	Supported	Supported EN-DC Bandwidth Class(es) in UL (Note 2, 4)
DC 1A n257A	Rel-15		
DC 1A n257G	Rel-16		
DC 1A n257H	Rel-16		
DC 1A n257I	Rel-16		
DC 1A n257J	Rel-16		
DC 2A n257A	Rel-15		
DC 2A n260A	Rel-15		
DC 2A-2A n260A	Rel-15		
DC 2A n261A	Rel-16		
DC 3A n257A	Rel-15		
DC 3A n257G	Rel-16		
DC 3A n257H	Rel-16		
DC 3A n257I	Rel-16		
DC 5A n257A	Rel-15		
DC 5A n260A	Rel-15		
DC 5A n261A	Rel-15		
DC 7A n257A	Rel-15		
DC 7A-7A n257A	Rel-15		
DC 8A n257A	Rel-15		
DC 12A n260A	Rel-15		
DC 13A n257A	Rel-15		
DC 13A n260A	Rel-15		
DC 13A n261A	Rel-16		
DC 14A n260A	Rel-16		
DC 14A n260G	Rel-16		
DC 14A n260H	Rel-16		
DC 14A n260I	Rel-16		
DC 18A n257A	Rel-15		
DC 18A n257G	Rel-16		
DC 18A n257I	Rel-16		
DC 19A n257A	Rel-15		
DC 19A n257G	Rel-16		
DC 19A n257H	Rel-16		
DC 19A n257I	Rel-16		
DC 20A n257A	Rel-17		
DC 21A n257A	Rel-15		
DC 21A n257G	Rel-16		
DC 21A n257H	Rel-16		
DC 21A n257I	Rel-16		
DC 30A n260A	Rel-15		
DC 66A-66A n257A	Rel-15		
DC 66A n260A	Rel-15		
DC 66A n261A	Rel-15		
DC 66A n261G	Rel-15		
DC 66A n261H	Rel-15		
DC 66A n261I	Rel-15		
DC 66A n261J	Rel-15		
DC 66A n261K	Rel-15		
DC 66A n261L	Rel-15		
DC 66A n261M	Rel-15		
Note 1:	Notation used for inter-band EN-DC Bands is according to TS 38.101-3 [25] Table 5.5B.5.1-1, e.g. 'DC 1A n257A' indicates EN-DC operation on E-UTRA band 1 with E-UTRA DL Bandwidth Class A and NR band n257 with NR DL CA Bandwidth Class A.		
Note 2:	See UL_nCC(table_index) in Note 2 of Table 4.0-3 in TS 38.522 [9].		
Note 3:	See DL_nCC(table_index) in Note 4 of Table 4.0-3 in TS 38.522 [9].		
Note 4:	See UL_NR_nCC(table_index) in Note 3 of Table 4.0-3 in TS 38.522 [9].		
Note 5:	See DL_NR_nCC(table_index) in Note 5 of Table 4.0-3 in TS 38.522 [9].		

A.4.3.2B.2.3.7 Inter-band EN-DC including FR2 (three bands)

Table A.4.3.2B.2.3.7-1: Downlink Bandwidth Class Combination capabilities for Inter-band EN-DC including FR2 and three bands (for one or more of the supported DC configurations in Table A.4.3.2B.2.3.7-2)

Item	DL inter-band EN-DC including FR2 Bandwidth Class	Ref.	Mnemonic	Comments
1	Inter-band EN-DC including FR2 BW Class Combination A-A_A (three bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.2	pc_DL_inter_band _EN_DC_FR2_3B _Class_A-A_A	
2	Inter-band EN-DC including FR2 BW Class Combination A-A_G (three bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.2	pc_DL_inter_band _EN_DC_FR2_3B _Class_A-A_G	
3	Inter-band EN-DC including FR2 BW Class Combination A-A_H (three bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.2	pc_DL_inter_band _EN_DC_FR2_3B _Class_A-A_H	
4	Inter-band EN-DC including FR2 BW Class Combination A-A_I (three bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.2	pc_DL_inter_band _EN_DC_FR2_3B _Class_A-A_I	
5	Inter-band EN-DC including FR2 BW Class Combination A-C_A (three bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.2	pc_DL_inter_band _EN_DC_FR2_3B _Class_A-C_A	
6	Inter-band EN-DC including FR2 BW Class Combination A-C_G (three bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.2	pc_DL_inter_band _EN_DC_FR2_3B _Class_A-C_G	
7	Inter-band EN-DC including FR2 BW Class Combination A-C_H (three bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.2	pc_DL_inter_band _EN_DC_FR2_3B _Class_A-C_H	
8	Inter-band EN-DC including FR2 BW Class Combination A-C_I (three bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.2	pc_DL_inter_band _EN_DC_FR2_3B _Class_A-C_I	
9	Inter-band EN-DC including FR2 BW Class Combination A-D_A (three bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.2	pc_DL_inter_band _EN_DC_FR2_3B _Class_A-D_A	
10	Inter-band EN-DC including FR2 BW Class Combination A-D_G (three bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.2	pc_DL_inter_band _EN_DC_FR2_3B _Class_A-D_G	
11	Inter-band EN-DC including FR2 BW Class Combination A-D_H (three bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.2	pc_DL_inter_band _EN_DC_FR2_3B _Class_A-D_H	
12	Inter-band EN-DC including FR2 BW Class Combination A-D_I (three bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.2	pc_DL_inter_band _EN_DC_FR2_3B _Class_A-D_I	
13	Inter-band EN-DC including FR2 BW Class Combination A-E_A (three bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.2	pc_DL_inter_band _EN_DC_FR2_3B _Class_A-E_A	
14	Inter-band EN-DC including FR2 BW Class Combination A-E_G (three bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.2	pc_DL_inter_band _EN_DC_FR2_3B _Class_A-E_G	
15	Inter-band EN-DC including FR2 BW Class Combination A-E_H (three bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.2	pc_DL_inter_band _EN_DC_FR2_3B _Class_A-E_H	
16	Inter-band EN-DC including FR2 BW Class Combination A-E_I (three bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.2	pc_DL_inter_band _EN_DC_FR2_3B _Class_A-E_I	

Table A.4.3.2B.2.3.7-1a: Uplink Bandwidth Class Combination capabilities for Inter-band EN-DC including FR2 and three bands (for one or more of the supported DC configurations in Table A.4.3.2B.2.3.7-2)

Item	UL inter-band EN-DC including FR2 Bandwidth Class	Ref.	Mnemonic	Comments
1	UL Inter-band EN-DC including FR2 BW Class Combination A_A (three bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.2	pc_UL_inter_band _EN_DC_FR2_3B _Class_A_A	
2	UL Inter-band EN-DC including FR2 BW Class Combination A_D (three bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.2	pc_UL_inter_band _EN_DC_FR2_3B _Class_A_D	
3	UL Inter-band EN-DC including FR2 BW Class Combination A_G (three bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.2	pc_UL_inter_band _EN_DC_FR2_3B _Class_A_G	
4	UL Inter-band EN-DC including FR2 BW Class Combination A_H (three bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.2	pc_UL_inter_band _EN_DC_FR2_3B _Class_A_H	
5	UL Inter-band EN-DC including FR2 BW Class Combination A_I (three bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.2	pc_UL_inter_band _EN_DC_FR2_3B _Class_A_I	
6	UL Inter-band EN-DC including FR2 BW Class Combination A_J (three bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.2	pc_UL_inter_band _EN_DC_FR2_3B _Class_A_J	
7	UL Inter-band EN-DC including FR2 BW Class Combination A_K (three bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.2	pc_UL_inter_band _EN_DC_FR2_3B _Class_A_K	
8	UL Inter-band EN-DC including FR2 BW Class Combination A_L (three bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.2	pc_UL_inter_band _EN_DC_FR2_3B _Class_A_L	
9	UL Inter-band EN-DC including FR2 BW Class Combination A_M (three bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.2	pc_UL_inter_band _EN_DC_FR2_3B _Class_A_M	

Table A.4.3.2B.2.3.7-2: Supported Inter-band EN-DC configurations including FR2 (three bands)

EN-DC configuration / Item (Note 1, 3, 5)	Release	Supported	Supported EN-DC Bandwidth Class(es) in UL (Note 2, 4)
DC 1A-3A n257A	Rel-15		
DC 1A-3A n257G	Rel-16		
DC 1A-3A n257H	Rel-16		
DC 1A-3A n257I	Rel-16		
DC 1A-18A n257A	Rel-15		
DC 1A-18A n257I	Rel-16		
DC 1A-19A n257A	Rel-15		
DC 1A-19A n257G	Rel-16		
DC 1A-19A n257H	Rel-16		
DC 1A-19A n257I	Rel-16		
DC 1A-21A n257A	Rel-15		
DC 1A-21A n257G	Rel-16		
DC 1A-21A n257H	Rel-16		
DC 1A-21A n257I	Rel-16		
DC 1A-41A n257A	Rel-15		
DC 1A-41A n257I	Rel-16		
DC 1A-42A n257A	Rel-15		
DC 1A-42A n257G	Rel-16		
DC 1A-42A n257H	Rel-16		
DC 1A-42A n257I	Rel-16		
DC 1A-42C n257A	Rel-15		
DC 1A-42D n257A	Rel-15		
DC 1A-42D n257G	Rel-16		
DC 1A-42D n257H	Rel-16		
DC 1A-42D n257I	Rel-16		
DC 1A-42E n257A	Rel-15		
DC 1A-42E n257G	Rel-16		
DC 1A-42E n257H	Rel-16		
DC 1A-42E n257I	Rel-16		
DC 2A-2A-14A n260A	Rel-16		
DC 2A-2A-14A n260G	Rel-16		
DC 2A-2A-14A n260H	Rel-16		
DC 2A-2A-14A n260I	Rel-16		
DC 2A-2A-14A n260J	Rel-16		
DC 2A-2A-14A n260K	Rel-16		
DC 2A-2A-14A n260L	Rel-16		
DC 2A-2A-14A n260M	Rel-16		
DC 2A-5A n257A	Rel-15		
DC 2A-5A n260A	Rel-15		
DC 2A-12A n260A	Rel-15		
DC 2A-14A n260A	Rel-16		
DC 2A-14A n260G	Rel-16		
DC 2A-14A n260H	Rel-16		
DC 2A-14A n260I	Rel-16		
DC 2A-14A n260A	Rel-16		
DC 2A-30A n260A	Rel-15		
DC 2A-66A n257A	Rel-15		
DC 2A-66A n260A	Rel-15		
DC 3A-18A n257A	Rel-16		
DC 3A-18A n257I	Rel-16		
DC 3A-19A n257A	Rel-15		
DC 3A-19A n257G	Rel-16		
DC 3A-19A n257H	Rel-16		
DC 3A-19A n257I	Rel-16		
DC 3A-21A n257A	Rel-15		
DC 3A-21A n257G	Rel-16		
DC 3A-21A n257H	Rel-16		
DC 3A-21A n257I	Rel-16		
DC 3A-41A n257A	Rel-15		
DC 3A-41A n257I	Rel-16		

DC 3A-42A n257A	Rel-15		
DC 3A-42A n257G	Rel-16		
DC 3A-42A n257H	Rel-16		
DC 3A-42A n257I	Rel-16		
DC 3A-42C n257A	Rel-15		
DC 3A-42C n257G	Rel-16		
DC 3A-42C n257H	Rel-16		
DC 3A-42C n257I	Rel-16		
DC 3A-42D n257A	Rel-15		
DC 3A-42D n257G	Rel-16		
DC 3A-42D n257H	Rel-16		
DC 3A-42D n257I	Rel-16		
DC 3A-42E n257A	Rel-15		
DC 3A-42E n257G	Rel-16		
DC 3A-42E n257H	Rel-16		
DC 3A-42E n257I	Rel-16		
DC 5A-7A n257A	Rel-15		
DC 5A-30A n260A	Rel-15		
DC 5A-66A n257A	Rel-15		
DC 5A-66A n260A	Rel-15		
DC 12A-30A n260A	Rel-15		
DC 12A-66A n260A	Rel-15		
DC 14A-30A n260A	Rel-16		
DC 14A-30A n260G	Rel-16		
DC 14A-30A n260H	Rel-16		
DC 14A-30A n260I	Rel-16		
DC 14A-30A n260J	Rel-16		
DC 14A-30A n260K	Rel-16		
DC 14A-30A n260L	Rel-16		
DC 14A-30A n260M	Rel-16		
DC 14A-66A n260A	Rel-16		
DC 14A-66A n260G	Rel-16		
DC 14A-66A n260H	Rel-16		
DC 14A-66A n260I	Rel-16		
DC 14A-66A n260J	Rel-16		
DC 14A-66A n260K	Rel-16		
DC 14A-66A n260L	Rel-16		
DC 14A-66A n260M	Rel-16		
DC 14A-66A-66A n260A	Rel-16		
DC 14A-66A-66A n260G	Rel-16		
DC 14A-66A-66A n260H	Rel-16		
DC 14A-66A-66A n260I	Rel-16		
DC 14A-66A-66A n260J	Rel-16		
DC 14A-66A-66A n260K	Rel-16		
DC 14A-66A-66A n260L	Rel-16		
DC 14A-66A-66A n260M	Rel-16		
DC 19A-21A n257A	Rel-15		
DC 19A-21A n257G	Rel-16		
DC 19A-21A n257H	Rel-16		
DC 19A-21A n257I	Rel-16		
DC 19A-42A n257A	Rel-15		
DC 19A-42A n257G	Rel-16		
DC 19A-42A n257H	Rel-16		
DC 19A-42A n257I	Rel-16		
DC 19A-42C n257A	Rel-15		
DC 19A-42C n257G	Rel-16		
DC 19A-42C n257H	Rel-16		
DC 19A-42C n257I	Rel-16		
DC 21A-42A n257A	Rel-15		
DC 21A-42A n257G	Rel-16		
DC 21A-42A n257H	Rel-16		
DC 21A-42A n257I	Rel-16		
DC 21A-42C n257A	Rel-15		
DC 21A-42C n257G	Rel-16		
DC 21A-42C n257H	Rel-16		

DC_21A-42C_n257I	Rel-16		
Note 1:	Notation used for inter-band EN-DC Bands is according to TS 38.101-3 [25] Table 5.5B.5.2-1, e.g. 'DC_1A-3A_n257A' indicates EN-DC operation on E-UTRA CA configuration CA_1A-3A with E-UTRA DL Bandwidth Class A for both the E-UTRA bands 1 and 3 and NR band n257 with NR DL CA Bandwidth Class A.		
Note 2:	See UL_nCC(<i>table_index</i>) in Note 2 of Table 4.0-3 in TS 38.522 [9].		
Note 3:	See DL_nCC(<i>table_index</i>) in Note 4 of Table 4.0-3 in TS 38.522 [9].		
Note 4:	See UL_NR_nCC(<i>table_index</i>) in Note 3 of Table 4.0-3 in TS 38.522 [9].		
Note 5:	See DL_NR_nCC(<i>table_index</i>) in Note 5 of Table 4.0-3 in TS 38.522 [9].		

A.4.3.2B.2.3.8 Inter-band EN-DC including FR2 (four bands)

Table A.4.3.2B.2.3.8-1: Downlink Bandwidth Class Combination capabilities for Inter-band EN-DC including FR2 and four bands (for one or more of the supported DC configurations in Table A.4.3.2B.2.3.8-2)

Item	DL inter-band EN-DC including FR2 Bandwidth Class	Ref.	Mnemonic	Comments
1	Inter-band EN-DC including FR2 BW Class Combination A-A-A_A (four bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.3	pc_DL_inter_band _EN_DC_FR2_4B _Class_A-A-A_A	
2	Inter-band EN-DC including FR2 BW Class Combination A-A-A_G (four bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.3	pc_DL_inter_band _EN_DC_FR2_4B _Class_A-A-A_G	
3	Inter-band EN-DC including FR2 BW Class Combination A-A-A_H (four bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.3	pc_DL_inter_band _EN_DC_FR2_4B _Class_A-A-A_H	
4	Inter-band EN-DC including FR2 BW Class Combination A-A-A_I (four bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.3	pc_DL_inter_band _EN_DC_FR2_4B _Class_A-A-A_I	
5	Inter-band EN-DC including FR2 BW Class Combination A-A-C_A (four bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.3	pc_DL_inter_band _EN_DC_FR2_4B _Class_A-A-C_A	
6	Inter-band EN-DC including FR2 BW Class Combination A-A-C_G (four bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.3	pc_DL_inter_band _EN_DC_FR2_4B _Class_A-A-C_G	
7	Inter-band EN-DC including FR2 BW Class Combination A-A-C_H (four bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.3	pc_DL_inter_band _EN_DC_FR2_4B _Class_A-A-C_H	
8	Inter-band EN-DC including FR2 BW Class Combination A-A-C_I (four bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.3	pc_DL_inter_band _EN_DC_FR2_4B _Class_A-A-C_I	
9	Inter-band EN-DC including FR2 BW Class Combination A-A-D_G (four bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.3	pc_DL_inter_band _EN_DC_FR2_4B _Class_A-A-D_G	
10	Inter-band EN-DC including FR2 BW Class Combination A-A-D_H (four bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.3	pc_DL_inter_band _EN_DC_FR2_4B _Class_A-A-D_H	
11	Inter-band EN-DC including FR2 BW Class Combination A-A-D_I (four bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.3	pc_DL_inter_band _EN_DC_FR2_4B _Class_A-A-D_I	
12	Inter-band EN-DC including FR2 BW Class Combination A-A-A_J (four bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.3	pc_DL_inter_band _EN_DC_FR2_4B _Class_A-A-A_J	
13	Inter-band EN-DC including FR2 BW Class Combination A-A-A_K (four bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.3	pc_DL_inter_band _EN_DC_FR2_4B _Class_A-A-A_K	
14	Inter-band EN-DC including FR2 BW Class Combination A-A-A_L (four bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.3	pc_DL_inter_band _EN_DC_FR2_4B _Class_A-A-A_L	
15	Inter-band EN-DC including FR2 BW Class Combination A-A-A_M (four bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.3	pc_DL_inter_band _EN_DC_FR2_4B _Class_A-A-A_M	

Table A.4.3.2B.2.3.8-1a: Uplink Bandwidth Class Combination capabilities for Inter-band EN-DC including FR2 and four bands (for one or more of the supported DC configurations in Table A.4.3.2B.2.3.8-2)

Item	UL inter-band EN-DC including FR2 Bandwidth Class	Ref.	Mnemonic	Comments
1	UL Inter-band EN-DC including FR2 BW Class Combination A_A (four bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.3	pc_UL_inter_band _EN_DC_FR2_4B _Class_A_A	
2	UL Inter-band EN-DC including FR2 BW Class Combination A_D (four bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.3	pc_UL_inter_band _EN_DC_FR2_4B _Class_A_D	
3	UL Inter-band EN-DC including FR2 BW Class Combination A_G (four bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.3	pc_UL_inter_band _EN_DC_FR2_4B _Class_A_G	
4	UL Inter-band EN-DC including FR2 BW Class Combination A_H (four bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.3	pc_UL_inter_band _EN_DC_FR2_4B _Class_A_H	
5	UL Inter-band EN-DC including FR2 BW Class Combination A_I (four bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.3	pc_UL_inter_band _EN_DC_FR2_4B _Class_A_I	
6	UL Inter-band EN-DC including FR2 BW Class Combination A_J (four bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.3	pc_UL_inter_band _EN_DC_FR2_4B _Class_A_J	
7	UL Inter-band EN-DC including FR2 BW Class Combination A_K (four bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.3	pc_UL_inter_band _EN_DC_FR2_4B _Class_A_K	
8	UL Inter-band EN-DC including FR2 BW Class Combination A_L (four bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.3	pc_UL_inter_band _EN_DC_FR2_4B _Class_A_L	
9	UL Inter-band EN-DC including FR2 BW Class Combination A_M (four bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.3	pc_UL_inter_band _EN_DC_FR2_4B _Class_A_M	

Table A.4.3.2B.2.3.8-2: Supported Inter-band EN-DC configurations including FR2 (four bands)

EN-DC configuration / Item (Note 1, 3, 5)	Release	Supported	Supported EN-DC Bandwidth Class(es) in UL (Note 2, 4)
DC 1A-3A-18A_n257A	Rel-16		
DC 1A-3A-18A_n257I	Rel-16		
DC 1A-3A-19A_n257A	Rel-15		
DC 1A-3A-19A_n257G	Rel-16		
DC 1A-3A-19A_n257H	Rel-16		
DC 1A-3A-19A_n257I	Rel-16		
DC 1A-3A-21A_n257A	Rel-15		
DC 1A-3A-21A_n257G	Rel-16		
DC 1A-3A-21A_n257H	Rel-16		
DC 1A-3A-21A_n257I	Rel-16		
DC 1A-3A-41A_n257A	Rel-16		
DC 1A-3A-41A_n257I	Rel-16		
DC 1A-3A-42A_n257A	Rel-15		
DC 1A-3A-42A_n257G	Rel-16		
DC 1A-3A-42A_n257H	Rel-16		
DC 1A-3A-42A_n257I	Rel-16		
DC 1A-3A-42C_n257A	Rel-15		
DC 1A-3A-42C_n257G	Rel-16		
DC 1A-3A-42C_n257H	Rel-16		
DC 1A-3A-42C_n257I	Rel-16		
DC 1A-3A-42D_n257A	Rel-16		
DC 1A-3A-42D_n257G	Rel-16		
DC 1A-3A-42D_n257H	Rel-16		
DC 1A-3A-42D_n257I	Rel-16		
DC 1A-19A-21A_n257A	Rel-15		
DC 1A-19A-21A_n257G	Rel-16		
DC 1A-19A-21A_n257H	Rel-16		
DC 1A-19A-21A_n257I	Rel-16		
DC 1A-19A-42A_n257A	Rel-15		
DC 1A-19A-42A_n257G	Rel-16		
DC 1A-19A-42A_n257H	Rel-16		
DC 1A-19A-42A_n257I	Rel-16		
DC 1A-19A-42C_n257A	Rel-15		
DC 1A-19A-42C_n257G	Rel-16		
DC 1A-19A-42C_n257H	Rel-16		
DC 1A-19A-42C_n257I	Rel-16		
DC 1A-21A-42A_n257A	Rel-15		
DC 1A-21A-42A_n257G	Rel-16		
DC 1A-21A-42A_n257H	Rel-16		
DC 1A-21A-42A_n257I	Rel-16		
DC 1A-21A-42C_n257A	Rel-15		
DC 1A-21A-42C_n257G	Rel-16		
DC 1A-21A-42C_n257H	Rel-16		
DC 1A-21A-42C_n257I	Rel-16		
DC 2A-2A-14A-66A_n260A	Rel-16		
DC 2A-2A-14A-66A_n260G	Rel-16		
DC 2A-2A-14A-66A_n260H	Rel-16		
DC 2A-2A-14A-66A_n260I	Rel-16		
DC 2A-2A-14A-66A_n260J	Rel-16		
DC 2A-2A-14A-66A_n260K	Rel-16		
DC 2A-2A-14A-66A_n260L	Rel-16		
DC 2A-2A-14A-66A_n260M	Rel-16		
DC 2A-14A-30A_n260A	Rel-16		
DC 2A-14A-30A_n260G	Rel-16		
DC 2A-14A-30A_n260H	Rel-16		
DC 2A-14A-30A_n260I	Rel-16		
DC 2A-14A-30A_n260J	Rel-16		
DC 2A-14A-30A_n260K	Rel-16		
DC 2A-14A-30A_n260L	Rel-16		
DC 2A-14A-30A_n260M	Rel-16		

DC 2A-14A-66A n260A	Rel-16		
DC 2A-14A-66A n260G	Rel-16		
DC 2A-14A-66A n260H	Rel-16		
DC 2A-14A-66A n260I	Rel-16		
DC 2A-14A-66A n260J	Rel-16		
DC 2A-14A-66A n260K	Rel-16		
DC 2A-14A-66A n260L	Rel-16		
DC 2A-14A-66A n260M	Rel-16		
DC 2A-14A-66A-66A n260A	Rel-16		
DC 2A-14A-66A-66A n260G	Rel-16		
DC 2A-14A-66A-66A n260H	Rel-16		
DC 2A-14A-66A-66A n260I	Rel-16		
DC 2A-14A-66A-66A n260J	Rel-16		
DC 2A-14A-66A-66A n260K	Rel-16		
DC 2A-14A-66A-66A n260L	Rel-16		
DC 2A-14A-66A-66A n260M	Rel-16		
DC 3A-19A-21A n257A	Rel-15		
DC 3A-19A-42A n257A	Rel-15		
DC 3A-19A-42A n257G	Rel-16		
DC 3A-19A-42A n257H	Rel-16		
DC 3A-19A-42A n257I	Rel-16		
DC 3A-19A-42C n257A	Rel-15		
DC 3A-19A-42C n257G	Rel-16		
DC 3A-19A-42C n257H	Rel-16		
DC 3A-19A-42C n257I	Rel-16		
DC 3A-21A-42A n257A	Rel-15		
DC 3A-21A-42A n257G	Rel-16		
DC 3A-21A-42A n257H	Rel-16		
DC 3A-21A-42A n257I	Rel-16		
DC 3A-21A-42C n257A	Rel-15		
DC 3A-21A-42C n257G	Rel-16		
DC 3A-21A-42C n257H	Rel-16		
DC 3A-21A-42C n257I	Rel-16		
DC 14A-30A-66A n260A	Rel-16		
DC 14A-30A-66A n260G	Rel-16		
DC 14A-30A-66A n260H	Rel-16		
DC 14A-30A-66A n260I	Rel-16		
DC 14A-30A-66A n260J	Rel-16		
DC 14A-30A-66A n260K	Rel-16		
DC 14A-30A-66A n260L	Rel-16		
DC 14A-30A-66A n260M	Rel-16		
DC 14A-30A-66A-66A n260A	Rel-16		
DC 14A-30A-66A-66A n260G	Rel-16		
DC 14A-30A-66A-66A n260H	Rel-16		
DC 14A-30A-66A-66A n260I	Rel-16		
DC 14A-30A-66A-66A n260J	Rel-16		
DC 14A-30A-66A-66A n260K	Rel-16		
DC 14A-30A-66A-66A n260L	Rel-16		
DC 14A-30A-66A-66A n260M	Rel-16		
DC 19A-21A-42A n257A	Rel-15		
DC 19A-21A-42A n257G	Rel-16		
DC 19A-21A-42A n257H	Rel-16		
DC 19A-21A-42A n257I	Rel-16		
DC 19A-21A-42C n257A	Rel-15		
DC 19A-21A-42C n257G	Rel-16		
DC 19A-21A-42C n257H	Rel-16		

DC_19A-21A-42C_n257I	Rel-16		
Note 1:	Notation used for inter-band EN-DC Bands is according to TS 38.101-3 [25] Table 5.5B.5.3-1, e.g. 'DC_1A-3A-19A_n257A' indicates EN-DC operation on E-UTRA CA configuration CA_1A-3A-19A with E.UTRA DL Bandwidth Class A for all the E-UTRA bands 1, 3 and 19 and NR band n257 with NR DL CA Bandwidth Class A.		
Note 2:	See UL_nCC(<i>table_index</i>) in Note 2 of Table 4.0-3 in TS 38.522 [9].		
Note 3:	See DL_nCC(<i>table_index</i>) in Note 4 of Table 4.0-3 in TS 38.522 [9].		
Note 4:	See UL_NR_nCC(<i>table_index</i>) in Note 3 of Table 4.0-3 in TS 38.522 [9].		
Note 5:	See DL_NR_nCC(<i>table_index</i>) in Note 5 of Table 4.0-3 in TS 38.522 [9].		

A.4.3.2B.2.3.9 Inter-band EN-DC including FR2 (five bands)

Table A.4.3.2B.2.3.9-1: Downlink Bandwidth Class Combination capabilities for Inter-band EN-DC including FR2 and five bands (for one or more of the supported DC configurations in Table A.4.3.2B.2.3.9-2)

Item	DL inter-band EN-DC including FR2 Bandwidth Class	Ref.	Mnemonic	Comments
1	Inter-band EN-DC including FR2 BW Class Combination A-A-A-A_A (five bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.4	pc_DL_inter_band _EN_DC_FR2_5B _Class_A-A-A- A_A	
2	Inter-band EN-DC including FR2 BW Class Combination A-A-A-A_G (five bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.4	pc_DL_inter_band _EN_DC_FR2_5B _Class_A-A-A- A_G	
3	Inter-band EN-DC including FR2 BW Class Combination A-A-A-A_H (five bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.4	pc_DL_inter_band _EN_DC_FR2_5B _Class_A-A-A- A_H	
4	Inter-band EN-DC including FR2 BW Class Combination A-A-A-A_I (five bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.4	pc_DL_inter_band _EN_DC_FR2_5B _Class_A-A-A-A- I	
5	Inter-band EN-DC including FR2 BW Class Combination A-A-A-C_A (five bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.4	pc_DL_inter_band _EN_DC_FR2_5B _Class_A-A-A- C_A	
6	Inter-band EN-DC including FR2 BW Class Combination A-A-A-C_G (five bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.4	pc_DL_inter_band _EN_DC_FR2_5B _Class_A-A-A- C_G	
7	Inter-band EN-DC including FR2 BW Class Combination A-A-A-C_H (five bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.4	pc_DL_inter_band _EN_DC_FR2_5B _Class_A-A-A- C_H	
8	Inter-band EN-DC including FR2 BW Class Combination A-A-A-C_I (five bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.4	pc_DL_inter_band _EN_DC_FR2_5B _Class_A-A-A-C- I	
9	Inter-band EN-DC including FR2 BW Class Combination A-A-A-A_J (five bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.4	pc_DL_inter_band _EN_DC_FR2_5B _Class_A-A-A- A_J	
10	Inter-band EN-DC including FR2 BW Class Combination A-A-A-A_K (five bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.4	pc_DL_inter_band _EN_DC_FR2_5B _Class_A-A-A- A_K	
11	Inter-band EN-DC including FR2 BW Class Combination A-A-A-A_L (five bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.4	pc_DL_inter_band _EN_DC_FR2_5B _Class_A-A-A- A_L	
12	Inter-band EN-DC including FR2 BW Class Combination A-A-A-A_M (five bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.4	pc_DL_inter_band _EN_DC_FR2_5B _Class_A-A-A- A_M	

Table A.4.3.2B.2.3.9-1a: Uplink Bandwidth Class Combination capabilities for Inter-band EN-DC including FR2 and five bands (for one or more of the supported DC configurations in Table A.4.3.2B.2.3.9-2)

Item	UL inter-band EN-DC including FR2 Bandwidth Class	Ref.	Mnemonic	Comments
1	Inter-band EN-DC including FR2 BW Class Combination A_A (five bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.4	pc_UL_inter_band _EN_DC_FR2_5B _Class_A_A	
2	Inter-band EN-DC including FR2 BW Class Combination A_D (five bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.4	pc_UL_inter_band _EN_DC_FR2_5B _Class_A_D	
3	Inter-band EN-DC including FR2 BW Class Combination A_G (five bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.4	pc_UL_inter_band _EN_DC_FR2_5B _Class_A_G	
4	Inter-band EN-DC including FR2 BW Class Combination A_H (five bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.4	pc_UL_inter_band _EN_DC_FR2_5B _Class_A_H	
5	Inter-band EN-DC including FR2 BW Class Combination A_I (five bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.4	pc_UL_inter_band _EN_DC_FR2_5B _Class_A_I	
6	Inter-band EN-DC including FR2 BW Class Combination A_J (five bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.4	pc_UL_inter_band _EN_DC_FR2_5B _Class_A_J	
7	Inter-band EN-DC including FR2 BW Class Combination A_K (five bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.4	pc_UL_inter_band _EN_DC_FR2_5B _Class_A_K	
8	Inter-band EN-DC including FR2 BW Class Combination A_L (five bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.4	pc_UL_inter_band _EN_DC_FR2_5B _Class_A_L	
9	Inter-band EN-DC including FR2 BW Class Combination A_M (five bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.4	pc_UL_inter_band _EN_DC_FR2_5B _Class_A_M	
10	Inter-band EN-DC including FR2 BW Class Combination C_A (five bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.4	pc_UL_inter_band _EN_DC_FR2_5B _Class_C_A	
11	Inter-band EN-DC including FR2 BW Class Combination C_G (five bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.4	pc_UL_inter_band _EN_DC_FR2_5B _Class_C_G	
12	Inter-band EN-DC including FR2 BW Class Combination C_H (five bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.4	pc_UL_inter_band _EN_DC_FR2_5B _Class_C_H	
13	Inter-band EN-DC including FR2 BW Class Combination C_I (five bands)	36.101, 5.6A.1 38.101-3, 5.5B.5.4	pc_UL_inter_band _EN_DC_FR2_5B _Class_C_I	

Table A.4.3.2B.2.3.9-2: Supported Inter-band EN-DC configurations including FR2 (five bands)

EN-DC configuration / Item (Note 1, 3, 5)	Release	Supported	Supported EN-DC Bandwidth Class(es) in UL (Note 2, 4)
DC_1A-3A-19A-42A_n257A	Rel-15		
DC_1A-3A-19A-42A_n257G	Rel-16		
DC_1A-3A-19A-42C_n257A	Rel-15		
DC_1A-3A-19A-42C_n257G	Rel-16		
DC_1A-3A-19A-42C_n257H	Rel-16		
DC_1A-3A-19A-42C_n257I	Rel-16		
DC_1A-3A-21A-42A_n257A	Rel-15		
DC_1A-3A-21A-42C_n257A	Rel-15		
DC_1A-3A-21A-42C_n257G	Rel-16		
DC_1A-3A-21A-42C_n257H	Rel-16		
DC_1A-3A-21A-42C_n257I	Rel-16		
DC_1A-19A-21A-42A_n257A	Rel-15		
DC_1A-19A-21A-42A_n257G	Rel-16		
DC_1A-19A-21A-42A_n257H	Rel-16		
DC_1A-19A-21A-42A_n257I	Rel-16		
DC_1A-19A-21A-42C_n257A	Rel-15		
DC_1A-19A-21A-42C_n257G	Rel-16		
DC_1A-19A-21A-42C_n257H	Rel-16		
DC_1A-19A-21A-42C_n257I	Rel-16		
DC_2A-14A-30A-66A_n260A	Rel-16		
DC_2A-14A-30A-66A_n260G	Rel-16		
DC_2A-14A-30A-66A_n260H	Rel-16		
DC_2A-14A-30A-66A_n260I	Rel-16		
DC_2A-14A-30A-66A_n260J	Rel-16		
DC_2A-14A-30A-66A_n260K	Rel-16		
DC_2A-14A-30A-66A_n260L	Rel-16		
DC_2A-14A-30A-66A_n260M	Rel-16		
Note 1: Notation used for inter-band EN-DC Bands is according to TS 38.101-3 [25] Table 5.5B.5.4-1, e.g. 'DC_1A-3A-19A-42A_n257A' indicates EN-DC operation on E-UTRA CA configuration CA_1A-3A-19A-42A with E-UTRA DL Bandwidth Class A for all the E-UTRA bands 1, 3, 19 and 42 and NR band n257 with NR DL CA Bandwidth Class A. Note 2: See UL_nCC(table_index) in Note 2 of Table 4.0-3 in TS 38.522 [9]. Note 3: See DL_nCC(table_index) in Note 4 of Table 4.0-3 in TS 38.522 [9]. Note 4: See UL_NR_nCC(table_index) in Note 3 of Table 4.0-3 in TS 38.522 [9]. Note 5: See DL_NR_nCC(table_index) in Note 5 of Table 4.0-3 in TS 38.522 [9].			

A.4.3.2B.2.3.10 Void

A.4.3.2B.2.3.11 Inter-band EN-DC including FR1 and FR2 (three bands)

Table A.4.3.2B.2.3.11-1: Downlink Bandwidth Class Combination capabilities for Inter-band EN-DC including FR1 and FR2, and three bands (for one or more of the supported DC configurations in Table A.4.3.2B.2.3.11-2)

Item	DL inter-band EN-DC including FR1 and FR2 Bandwidth Class	Ref.	Mnemonic	Comments
1	Inter-band EN-DC including FR1 and FR2 BW Class Combination A_A-A (three bands)	36.101, 5.6A.1 38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5B.6.2	pc_DL_inter_band _EN_DC_FR1_F R2_3B_Class_A_ A-A	

Table A.4.3.2B.2.3.11-1a: Uplink Bandwidth Class Combination capabilities for Inter-band EN-DC including FR1 and FR2, and three bands (for one or more of the supported DC configurations in Table A.4.3.2B.2.3.11-2)

Item	UL inter-band EN-DC including FR1 and FR2 Bandwidth Class	Ref.	Mnemonic	Comments
1	UL Inter-band EN-DC including FR1 and FR2 BW Class Combination A_A (three bands)	36.101, 5.6A.1 38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5B.6.2	pc_UL_inter_band _EN_DC_FR1_F R2_3B_Class_A_ A	

Table A.4.3.2B.2.3.11-2: Supported Inter-band EN-DC configurations including FR1 and FR2 (three bands)

EN-DC configuration / Item	Release	Supported	Supported EN-DC Bandwidth Class(es) in UL
DC_1A_n78A-n257A	Rel-15		
DC_1A_n79A-n257A	Rel-15		
DC_3A_n78A-n257A	Rel-15		
DC_3A_n79A-n257A	Rel-15		
DC_19A_n78A-n257A	Rel-15		
DC_19A_n79A-n257A	Rel-15		
Note 1: Notation used for inter-band EN-DC Bands is according to TS 38.101-3 [25] Table 5.5B.6.2-1, e.g. 'DC_1A_n78A-n257A' indicates EN-DC operation on E-UTRA band 1 with E-UTRA DL Bandwidth Class A and NR CA configuration CA_n78A-n257A on NR band n78 and n257 both with NR DL CA Bandwidth Class A.			

A.4.3.2B.2.3.12 Inter-band EN-DC including FR1 and FR2 (four bands)

Table A.4.3.2B.2.3.12-1: Downlink Bandwidth Class Combination capabilities for Inter-band EN-DC including FR1 and FR2, and four bands (for one or more of the supported DC configurations in Table A.4.3.2B.2.3.12-2)

Item	DL inter-band EN-DC including FR1 and FR2 Bandwidth Class	Ref.	Mnemonic	Comments
1	Inter-band EN-DC including FR1 and FR2 BW Class Combination A-A_A-A (four bands)	36.101, 5.6A.1 38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5B.6.3	pc_DL_inter_band _EN_DC_FR1_F R2_4B_Class_A- A_A-A	
2	Inter-band EN-DC including FR1 and FR2 BW Class Combination A-A_A-G (four bands)	36.101, 5.6A.1 38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5B.6.3	pc_DL_inter_band _EN_DC_FR1_F R2_4B_Class_A- A_A-G	
3	Inter-band EN-DC including FR1 and FR2 BW Class Combination A-A_A-H (four bands)	36.101, 5.6A.1 38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5B.6.3	pc_DL_inter_band _EN_DC_FR1_F R2_4B_Class_A- A_A-H	
4	Inter-band EN-DC including FR1 and FR2 BW Class Combination A-A_A-I (four bands)	36.101, 5.6A.1 38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5B.6.3	pc_DL_inter_band _EN_DC_FR1_F R2_4B_Class_A- A_A-I	

Table A.4.3.2B.2.3.12-1a: Uplink Bandwidth Class Combination capabilities for Inter-band EN-DC including FR1 and FR2, and four bands (for one or more of the supported DC configurations in Table A.4.3.2B.2.3.12-2)

Item	UL inter-band EN-DC including FR1 and FR2 Bandwidth Class	Ref.	Mnemonic	Comments
1	UL Inter-band EN-DC including FR1 and FR2 BW Class Combination A_A (four bands)	36.101, 5.6A.1 38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5B.6.3	pc_UL_inter_band _EN_DC_FR1_F R2_4B_Class_A_ A	
2	UL Inter-band EN-DC including FR1 and FR2 BW Class Combination A_G (four bands)	36.101, 5.6A.1 38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5B.6.3	pc_UL_inter_band _EN_DC_FR1_F R2_4B_Class_A_ G	
3	UL Inter-band EN-DC including FR1 and FR2 BW Class Combination A_H (four bands)	36.101, 5.6A.1 38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5B.6.3	pc_UL_inter_band _EN_DC_FR1_F R2_4B_Class_A_ H	
4	UL Inter-band EN-DC including FR1 and FR2 BW Class Combination A_I (four bands)	36.101, 5.6A.1 38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5B.6.3	pc_UL_inter_band _EN_DC_FR1_F R2_4B_Class_A_ I	
5	UL Inter-band EN-DC including FR1 and FR2 BW Class Combination A_A-A (four bands)	36.101, 5.6A.1 38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5B.6.3	pc_UL_inter_band _EN_DC_FR1_F R2_4B_Class_A_ A-A	
6	UL Inter-band EN-DC including FR1 and FR2 BW Class Combination A_A-G (four bands)	36.101, 5.6A.1 38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5B.6.3	pc_UL_inter_band _EN_DC_FR1_F R2_4B_Class_A_ A-G	
7	UL Inter-band EN-DC including FR1 and FR2 BW Class Combination A_A-H (four bands)	36.101, 5.6A.1 38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5B.6.3	pc_UL_inter_band _EN_DC_FR1_F R2_4B_Class_A_ A-H	
8	UL Inter-band EN-DC including FR1 and FR2 BW Class Combination A_A-I (four bands)	36.101, 5.6A.1 38.101-1, 5.3A.5 38.101-2, 5.3A.4 38.101-3, 5.5B.6.3	pc_UL_inter_band _EN_DC_FR1_F R2_4B_Class_A_ A-I	

Table A.4.3.2B.2.3.12-2: Supported Inter-band EN-DC configurations including FR1 and FR2 (four bands)

EN-DC configuration / Item	Release	Supported	Supported EN-DC Bandwidth Class(es) in UL
DC_1A-3A_n78A-n257A	Rel-15		
DC_1A-3A_n78A-n257G	Rel-16		
DC_1A-3A_n78A-n257H	Rel-16		
DC_1A-3A_n78A-n257I	Rel-16		
Note 1: Notation used for inter-band EN-DC Bands is according to TS 38.101-3 [25] Table 5.5B.6.3-1, e.g. 'DC_1A-3A_n78A-n257G' indicates EN-DC operation on E-UTRA CA configuration CA_1A-3A with E-UTRA DL Bandwidth Class A for all the E-UTRA bands 1 and 3 and NR bands n78 and n257 with NR DL CA Bandwidth Class A and G respectively.			

A.4.3.2B.2.3.13 Inter-band EN-DC including FR1 and FR2 (five bands)

Table A.4.3.2B.2.3.13-1: Downlink Bandwidth Class Combination capabilities for Inter-band EN-DC including FR1 and FR2, and five bands (for one or more of the supported DC configurations in Table A.4.3.2B.2.3.13-2)

Item	DL inter-band EN-DC including FR1 and FR2 Bandwidth Class	Ref.	Mnemonic	Comments
1	TBD	TBD	TBD	

Table A.4.3.2B.2.3.13-1a: Uplink Bandwidth Class Combination capabilities for Inter-band EN-DC including FR1 and FR2, and five bands (for one or more of the supported DC configurations in Table A.4.3.2B.2.3.13-2)

Item	UL inter-band EN-DC including FR1 and FR2 Bandwidth Class	Ref.	Mnemonic	Comments
1	TBD	TBD	TBD	

Table A.4.3.2B.2.3.13-2: Supported Inter-band EN-DC configurations including FR1 and FR2 (five bands)

EN-DC configuration / Item	Release	Supported	Supported EN-DC Bandwidth Class(es) in UL
TBD	TBD		

A.4.3.2B.2.3.14 Inter-band EN-DC including FR1 and FR2 (six bands)

Table A.4.3.2B.2.3.14-1: Downlink Bandwidth Class Combination capabilities for Inter-band EN-DC including FR1 and FR2, and six bands (for one or more of the supported DC configurations in Table A.4.3.2B.2.3.14-2)

Item	DL inter-band EN-DC including FR1 and FR2 Bandwidth Class	Ref.	Mnemonic	Comments
1	TBD	TBD	TBD	

Table A.4.3.2B.2.3.14-1a: Uplink Bandwidth Class Combination capabilities for Inter-band EN-DC including FR1 and FR2, and six bands (for one or more of the supported DC configurations in Table A.4.3.2B.2.3.14-2)

Item	UL inter-band EN-DC including FR1 and FR2 Bandwidth Class	Ref.	Mnemonic	Comments
1	TBD	TBD	TBD	

Table A.4.3.2B.2.3.14-2: Supported Inter-band EN-DC configurations including FR1 and FR2 (six bands)

EN-DC configuration / Item	Release	Supported	Supported EN-DC Bandwidth Class(es) in UL
TBD	TBD		

A.4.3.2B.3 NE-DC Physical Layer Baseline Implementation Capabilities

A.4.3.2B.3.0 General NE-DC capabilities

Table A.4.3.2B.3.0-1: Downlink NE-DC capabilities (for one or more of the supported NE-DC configurations)

Item	Bandwidth Class	Ref.	Comments
1	DL NE-DC with 2 carriers	38.101-3, 5.5B	
2	DL NE-DC with 3 carriers	38.101-3, 5.5B	
3	DL NE-DC with 4 carriers	38.101-3, 5.5B	
4	DL NE-DC with 5 carriers	38.101-3, 5.5B	
5	DL NE-DC with 6 carriers	38.101-3, 5.5B	

Table A.4.3.2B.3.0-1A: Downlink NE-DC capabilities (number of NR DL carriers)

Item	Bandwidth Class	Ref.	Comments
1	DL NE-DC with 1 NR DL carriers	38.101-3, 5.5B	

Table A.4.3.2B.3.0-2: Uplink NE-DC capabilities (for one or more of the supported NE-DC configurations)

Item	Bandwidth Class	Ref.	Comments
1	UL NE-DC with 2 carriers	38.101-3, 5.5B	

Table A.4.3.2B.3.0-2A: Uplink NE-DC capabilities (number of NR UL carriers)

Item	Bandwidth Class	Ref.	Comments
1	UL NE-DC with 1 NR UL carriers	38.101-3, 5.5B	

A.4.3.2B.3.1 Inter-band NE-DC within FR1

A.4.3.2B.3.1.1 Inter-band NE-DC within FR1 (two bands)

Table A.4.3.2B.3.1.1-1: Downlink Bandwidth Class Combination capabilities for Inter-band NE-DC within FR1 and two bands (for one or more of the supported DC configurations in Table A.4.3.2B.3.1.1-2)

Item	DL inter-band NE-DC within FR1 Bandwidth Class	Ref.	Mnemonic	Comments
1	Inter-band NE-DC within FR1 BW Class Combination A_A (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.4a.1	pc_DL_inter_band _NE_DC_FR1_2B _Class_A_A	
2	Inter-band NE-DC within FR1 BW Class Combination (2A)_A (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.4a.1	pc_DL_inter_band _NE_DC_FR1_2B _Class_(2A)_A	
3	Inter-band NE-DC within FR1 BW Class Combination A_C (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.4a.1	pc_DL_inter_band _NE_DC_FR1_2B _Class_A_C	
4	Inter-band NE-DC within FR1 BW Class Combination A_(2A) (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.4a.1	pc_DL_inter_band _NE_DC_FR1_2B _Class_A_(2A)	

Table A.4.3.2B.3.1.1-1a: Uplink Bandwidth Class Combination capabilities for Inter-band NE-DC within FR1 and two bands (for one or more of the supported configurations in Table A.4.3.2B.3.1.1-2)

Item	UL inter-band NE-DC within FR1 Bandwidth Class	Ref.	Mnemonic	Comments
1	UL Inter-band NE-DC within FR1 BW Class Combination A_A (two bands)	36.101, 5.6A.1 38.101-3, 5.5B.4a.1	pc_UL_inter_band _NE_DC_FR1_2B _Class_A_A	

Table A.4.3.2B.3.1.1-2: Supported Inter-band NE-DC configurations within FR1 (two bands)

NE-DC configuration / Item (Note 1)	Release	Supported	Supported NE-DC Bandwidth Class(es) in UL	Supported Bandwidth Combination Set(s)
DC_n28A_3A	Rel-17			
DC_n28A_3C	Rel-17			
DC_n28A_39A	Rel-17			
DC_n28A_39C	Rel-17			
NOTE 1: Notation used for inter-band NE-DC Bands is according to TS 38.101-3 [25] Table 5.5B.4a.1-1, e.g. 'DC_n28A_3A' indicates NE-DC operation on NR band n28 with NR DL Bandwidth Class A and E-UTRA band 3 with E-UTRA DL CA Bandwidth Class A.				

Table A.4.3.2B.3.1.1-3: Inter-band NE-DC within FR1 (two bands) PC3 UE RF Baseline Implementation Capabilities

Item	NE-DC configuration	Inter-band NE-DC within FR1 (two bands) PC3 UE RF Baseline Implementation Capabilities	Ref.	Release	Mnemonic	Comments
1	DC_n28A_3A DC_n28A_3C	NR Frequency band: 703–748 MHz (UL), 758 MHz–803 MHz (DL) LTE Frequency band: 1710-1785 MHz (UL), 1805-1880 MHz (DL)	38.101-3, 6.2B.1.3 a	Rel-17	pc_nrBand28_Ba nd3_PC3_Supp	
2	DC_n28A_39A DC_n28A_39C	NR Frequency band: 703–748 MHz (UL), 758 MHz–803 MHz (DL) LTE Frequency band: 1880-1920 MHz	38.101-3, 6.2B.1.3 a	Rel-17	pc_nrBand28_Ba nd39_PC3_Supp	

Table A.4.3.2B.3.1.1-3a: Inter-band NE-DC within FR1 (two bands) NR part power class UE RF Baseline Implementation Capabilities

Item	EN-DC configuration	UE Physical Layer Baseline Implementation Capabilities	Ref.	Release	Mnemonic	Supported NR part power class
1	DC_n28A_3A DC_n28A_3C	DC_n28A_3A NR part power class DC_n28A_3C NR part power class	38.306, 4.2.7.1	Rel-16	pc_nrBand28_Band3_power ClassNRPart_r16	
2	DC_n28A_39A DC_n28A_39C	DC_n28A_39A NR part power class DC_n28A_39C NR part power class	38.306, 4.2.7.1	Rel-16	pc_nrBand28_Band39_powe rClassNRPart_r16	

Table A.4.3.2B.3.1.1-4: UE Power Class implementation Capabilities for inter-band NE-DC within FR1 (two bands)

Item	UE Power Class implementation Capabilities	Ref.	Comments
1	UE Power Class 3 for Inter-band NE-DC within FR1 (two bands)	38.101-3, 6.2B.1.3a	Applicable to the bands in Table A.4.3.2B.3.1.1-3

A.4.3.2C NR SUL Physical Layer Baseline Implementation Capabilities

NOTE: See Annex B for status of completed NR SUL configurations in this version of 3GPP UE conformance test specifications.

A.4.3.2C.1 General NR SUL capabilities

Table A.4.3.2C.1-1: Uplink NR SUL capabilities (for one or more of the supported NR SUL configurations)

Item	Bandwidth Class	Ref.	Comments
1	UL NR SUL with 2 carriers	38.101-1, 5.5C	
2	UL NR SUL with 3 carriers	38.101-1, 5.5C	
3	UL NR SUL with 4 carriers	38.101-1, 5.5C	

A.4.3.2C.2 SUL band combinations without CA

Table A.4.3.2C.2-1: Supported SUL configurations without CA

SUL configuration / Item (Note 1)	Release	Supported	Supported Bandwidth Combination Set(s)	Supported 1Tx-2Tx ULTxSwitching Band Pair (Note 2, 3)	Supported 2Tx-2Tx ULTxSwitching Band Pair (Note 2, 3)
SUL_n41A-n83A	Rel-17				
SUL_n78A-n80A	Rel-15				
SUL_n78A-n81A	Rel-15				
SUL_n78A-n84A	Rel-15				
SUL_n79A-n83A	Rel-17				
Note 1: Notation used for SUL configurations is according to TS 38.101-1 [23] Table 5.5C-1, e.g. 'SUL_n78A-n80A' indicates SUL operation on NR bands n78 and n80 with UL CA Bandwidth Class A on both bands. Note 2: The ULTxSwitching capability can be reported on SUL band combinations. The UE supplier shall indicate SUL band pairs on which it supports 1Tx-2Tx or 2Tx-2Tx ULTxSwitching. For this release of specification valid choices are 'N' and 'nX-nY', where both nX and nY are NR bands. For example, for SUL_n78A-n80A, N would mean not supporting ULTxSwitching, 'n78-n80' would mean supporting of ULTxSwitching on this band pair. The ULTxSwitching is only tested with 2 UL CCs, so UE is allowed to report 'N' by default for SUL configuration with > 2 component carriers. Note 3: See ULTxSwitching(table_index) and 2Tx_ULTxSwitching(table_index) in Note 6 of Table 4.0-3 in TS 38.522 [9].					

A.4.3.2C.3SUL band combinations with CA

Table A.4.3.2C.3-1: Supported SUL configurations with Intra-band non-contiguous CA

NR SUL with CA configuration / Item (Note 1)	Release	Supported	Supported SUL configuration in UL	Supported Bandwidth Combination Set(s)	Supported 1Tx-2Tx ULTxSwitching Band Pair (Note 2, 3)
TBD	TBD				
Note 1: Notation used for SUL configurations is according to TS 38.101-1 [23] Table 5.5C-2. Note 2: The ULTxSwitching capability can be reported on SUL band combinations. The UE supplier shall indicate SUL band pairs on which it supports 1Tx-2Tx ULTxSwitching. For this release of specification valid choices are 'N' and 'nX-nY', where both nX and nY are NR bands. For example, for SUL_n78A-n80A, N would mean not supporting ULTxSwitching, 'n78-n80' would mean supporting of ULTxSwitching on this band pair. Note 3: See ULTxSwitching(table_index) in Note 6 of Table 4.0-3 in TS 38.522 [9]					

Table A.4.3.2C.3-2: Supported SUL configurations with Intra-band contiguous CA

NR SUL configuration / Item (Note 1)	Release	Supported	Supported SUL configuration in UL	Supported Bandwidth Combination Set(s)	Supported 1Tx-2Tx ULTxSwitching Band Pair (Note 2, 3)	Supported 2Tx-2Tx ULTxSwitching Band Pair (Note 2, 3)
CA_n41C-n83A	Rel-17					
CA_n78C-n80A	Rel-17					
CA_n78C-n84A	Rel-17					
CA_n79C-n83A	Rel-17					
Note 1: Notation used for SUL configurations is according to TS 38.101-1 [23] Table 5.5C-3, e.g. 'CA_n41C-n83A' indicates SUL operation on NR bands n41 and n83 with DL CA Bandwidth Class C on band n41. Note 2: The ULTxSwitching capability can be reported on SUL band combinations. The UE supplier shall indicate SUL band pairs on which it supports 1Tx-2Tx or 2Tx-2Tx ULTxSwitching. For this release of specification valid choices are 'N' and 'nX-nY', where both nX and nY are NR bands. For example, for SUL_n78A-n80A, N would mean not supporting ULTxSwitching, 'n78-n80' would mean supporting of ULTxSwitching on this band pair. Note 3: See ULTxSwitching(table_index) and 2Tx_ULTxSwitching(table_index) in Note 6 of Table 4.0-3 in TS 38.522 [9].						

Table A.4.3.2C.3-3: Supported SUL configurations with Inter-band CA

NR SUL configuration / Item (Note 1)	Release	Supported	Supported configuration in UL	Supported Bandwidth Combination Set(s)	Supported R18 dynamic UL Tx switching band pair (Note 2, 3)
CA_n1A_n78A-n80A	Rel-17				
CA_n1A_n78A-n84A	Rel-17				
CA_n3A_n78A-n80A	Rel-17				
CA_n28A_n41A-n83A	Rel-17				
CA_n28A_n79A-n83A	Rel-17				
CA_n41A_n79A-n83A	Rel-18				
CA_n41C_n79A-n83A	Rel-18				
Note 1: Notation used for SUL configurations is according to TS 38.101-1 [23] Table 5.5C-4, e.g. 'CA_n1A_n78A-n84A' indicates SUL operation on NR bands n1, n78 and n84 with DL CA Bandwidth Class A on bands n1 and n78. Note 2: The ULTxSwitching capability can be reported on SUL operation with inter-band CA combinations. The UE supplier shall indicate UL CA or SUL band pairs on which it supports UL TxSwitching. For this release of specification valid choices are 'N' and 'nX-nY', where both nX and nY are component bands in this configuration. For example, for CA_n1A_n78A-n80A, N would mean not supporting ULTxSwitching, 'n1-n78, n1-n80, n78-n80' would mean supporting of ULTxSwitching on these band pairs. Note 3: See 3bandsULTxSwitching (table_index) in Note 6 of Table 4.0-3 in TS 38.522 [9].					

A.4.3.2E NR V2X Physical Layer Baseline Implementation Capabilities

NOTE: See Annex B for status of completed NR V2X configurations in this version of 3GPP UE conformance test specifications.

A.4.3.2E.1 General NR V2X capabilities

Table A.4.3.2E.1-1: V2X concurrent operation

Item	V2X concurrent operation capability	Ref.	Mnemonic	Comments
1	NR V2X intra-band concurrent operation	38.101-1, 5.3E.2-2	pc_NR_V2X_intra_band_concurrent	
2	NR V2X inter-band concurrent	38.101-1, 5.3E.2-1	pc_NR_V2X_inter_band_concurrent	
3	Intra-band contiguous V2X operation	38.101-3, 5.5E.2-1	pc_intra_band_cont_V2X	
4	Intra-band non-contiguous V2X operation	38.101-3, 5.5E.3-1	pc_intra_band_non_cont_V2X	
5	Inter-band V2X operation	38.101-3, 5.5E.4.1-1	pc_inter_band_V2X	

A.4.3.2E.2 NR V2X concurrent operation

Table A.4.3.2E.2-1: Supported NR V2X intra-band concurrent operation

Sidelink CA configuration (Note 1)	Interface	Interface	Release	Supported	Supported Bandwidth Combination Set(s) (Note 2)
	PC5	Uu			
V2X_n79B	n79	n79	Rel-17		
Note 1: Notation used for NR V2X inter-band concurrent configurations is according to TS 38.101-1 [23] Table 5.3E.2-2.					
Note 2: The UE supplier shall indicate the supported Bandwidth Combination Set(s) as per TS 38.101-1 [23] Table 5.5E.1A.1-1.					

Table A.4.3.2E.2-2: Supported NR V2X inter-band concurrent operation

Sidelink CA configuration (Note 1)	Interface	Interface	Release	Supported
	PC5	Uu		
V2X_n71A-n47A	n47	n71	Rel-16	
Note 1: Notation used for NR V2X inter-band concurrent configurations is according to TS 38.101-1 [23] Table 5.3E.2-1.				

A.4.3.2E.3 V2X operation in FR1

Table A.4.3.2E.3-1: Supported intra-band contiguous V2X operation in FR1

Sidelink CA configuration (Note 1)	Interface	Interface	Release	Supported
	PC5	Uu		
V2X_(n)47AA	47, n47	-	Rel-17	
Note 1: Notation used for NR V2X inter-band concurrent configurations is according to TS 38.101-3 [25] Table 5.5E.2-1.				

Table A.4.3.2E.3-2: Supported intra-band non-contiguous V2X operation in FR1

Sidelink CA configuration (Note 1)	Interface	Interface	Release	Supported
	PC5	Uu		
V2X_47A_n47A	47, n47	-	Rel-16	
Note 1: Notation used for NR V2X inter-band concurrent configurations is according to TS 38.101-3 [25] Table 5.5E.3-1.				

Table A.4.3.2E.3-3: Supported inter-band V2X operation in FR1

Sidelink CA configuration (Note 1)	Interface	Interface	Release	Supported
	PC5	Uu		
V2X_20A_n38A	n38	20	Rel-16	
V2X_n71A_47A	47	n71-	Rel-16	
Note 1: Notation used for NR V2X inter-band concurrent configurations is according to TS 38.101-3 [25] Table 5.5E.4.1-1.				

A.4.3.3 PDCP Implementation Capabilities

Table A.4.3.3-1: UE PDCP Implementation Capabilities

Item	UE PDCP Implementation Capabilities	Ref.	Release	Mnemonic	M	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Comments
1	Support 12 bit length of PDCP sequence number	38.306, 4.2.4	Rel-15	pc_shortSN	Yes	Yes (for (e)RedCap UE)	This PICS shall always be true for (e)RedCap UE
1A	Support of 18 bit length of PDCP sequence number	38.822, 4.2, 38.306, 4.2.21.3	Rel-15	pc_longSN	No	Yes (for non-(e)RedCap UE)	This PICS shall always be true for non-(e)RedCap UE
2	Supports Out of order delivery of data to upper layers by PDCP	38.306, 4.2.4	Rel-15	pc_outOfOrderDelivery	No		
3	Support CA-based PDCP duplication over MCG or SCG DRB	38.306, 4.2.4	Rel-15	pc_pdcpc_DuplicationMCG_OrSCG_DRB	No		
4	Support PDCP duplication over split DRB	38.306, 4.2.4	Rel-15	pc_pdcpc_DuplicationSplitDRB	No		
5	Support PDCP duplication with more than two RLC entities	38.306, 4.2.4	Rel-16	pc_pdcpc_DuplicationMoreThanTwoRLC_r16	No		specifically for TSC (time sensitive communication) services
6	Support PDCP duplication over split SRB1/2	38.306, 4.2.4	Rel-15	pc_pdcpc_DuplicationSplitSRB	No		
7	Support EHC (Ethernet header compression)	38.306, 4.2.4	Rel-16	pc_NR_ehc_r16	No		specifically for TSC (time sensitive communication) services
8	Support UDC (Uplink data compression)	38.306, 4.2.4	Rel-17	pc_NR_udc_r17	No		

9	Support standard Dictionary	38.306, 4.2.4	Rel-17	pc_NR_udc_standardDictionary_r17	No		
10	Support continuation of uplink data compression protocol operation	38.306, 4.2.4	Rel-17	pc_NR_udc_continueUDC_r17	No		
11	Support PDCP SN gap reporting	38.306 4.2.4	Rel-18	pc_supportOfSN_GapReport_r18	No		

A.4.3.4 RLC Implementation Capabilities

Table A.4.3.4-1: UE RLC Implementation Capabilities

Item	UE RLC Implementation Capabilities	Ref.	Release	Mnemonic	M	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Comments
1A	Support RLC AM with 18 bit length of RLC sequence number	38.306, 4.2.21.4	Rel-15	pc_am_WithLongSN	No	Yes (for non-(e)RedCap UE)	This PICS shall always be true for non-(e)RedCap UE
1	Support RLC AM with 12 bit length of RLC sequence number	38.306, 4.2.5	Rel-15	pc_am_WithShortSN	Yes	Yes (for (e)RedCap UE)	This PICS shall always be true for (e)RedCap UE
2	Support RLC UM with 12 bit length of RLC sequence number	38.306, 4.2.5	Rel-15	pc_um_WithLongSN	Yes		
3	Support RLC UM with 6 bit length of RLC sequence number	38.306, 4.2.5	Rel-15	pc_um_WithShortSN	Yes		

A.4.3.5 MAC Implementation Capabilities

Table A.4.3.5-1: UE MAC Implementation Capabilities

Item	UE MAC Implementation Capabilities	Ref.	Release	Mnemonic	M	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Comments
1	Support long DRX cycle	38.306, 4.2.6	Rel-15	pc_longDRX_Cycle	Yes		
2	Support short DRX cycle	38.306, 4.2.6	Rel-15	pc_shortDRX_Cycle	Yes		
3	Support skipping of UL transmission for an uplink grant indicated on PDCCH if no data is available for transmission	38.306, 4.2.6	Rel-15	pc_skipUplinkTxDynamic	No		
4	Supports the logicalChannelSR-DelayTimer	38.306, 4.2.6	Rel-15	pc_logicalChannelSR_DelayTimer	No		
5	Supports DRX adaptation	38.306, 4.2.6	Rel-16	pc_DRX_Adaptation	No		
6	Support LCH-based prioritization	38.306, 4.2.6	Rel-16	pc_lch_PriorityBasedPrioritization_r16	No		
7	Supports autonomous transmission of the MAC PDU generated for a deprioritized configured uplink grant	38.306, 4.2.6	Rel-16	pc_autonomousTransmission_r16	No		
8	Supports the bit rate recommendation message from the gNB to the UE as specified in TS 38.321	38.306, 4.2.6	Rel-15	pc_recommendedBitRate	No		
9	Supports the bit rate recommendation query message from the UE to the gNB as specified in TS 38.321.	38.306, 4.2.6	Rel-15	pc_recommendedBitRateQuery	No		This field is only applicable if the UE supports pc_recommendedBitRate.
10	Support PUSCH transmissions on multiple configured uplink grants	38.306, 4.2.6	Rel-15	pc_multipleConfiguredGrants	No		
11	Support the selection of logical channels for each UL grant based on RRC configured restriction	38.306, 4.2.6	Rel-15	pc_lcp_Restriction	No		

12	Support direct NR SCG SCell activation, as specified in TS 38.321, upon SCell addition and upon reconfiguration with sync of the SCG, both performed via an RRCReconfiguration message received via SRB3 or contained in an RRC(Connection)Reconfiguration message received via SRB1, as specified in TS 38.331 and TS 36.331	38.306, 4.2.6	Rel-16	pc_directSCG_SCellActivation_r16	No		A UE indicating support of directSCG-SCellActivation-r16 shall indicate support of EN-DC or support of NGEN-DC as specified in TS 36.331 or support of NR-DC as specified in TS 38.331.
13	Support direct NR MCG SCell activation, as specified in TS 38.321, upon SCell addition, upon reconfiguration with sync of the MCG, as specified in TS 38.331.	38.306, 4.2.6	Rel-16	pc_directMCG_SCellActivation_r16	No		
14	Support direct NR MCG SCell activation, as specified in TS 38.321, upon reception of an RRCResume message, as specified in TS 38.331.	38.306, 4.2.6	Rel-16	pc_directMCG_SCellActivationResume_r16	No		
15	Support direct NR SCG SCell activation, as specified in TS 38.321: - upon reception of an RRCReconfiguration included in an RRCConnectionResume message, as specified in TS 38.331 and TS 36.331, if the UE indicates support of EN-DC or NGEN-DC, and support of resumeWithSCG-Config-r16 as specified in TS 36.331, - upon reception of an RRCReconfiguration included in an RRCResume message, as specified in TS 38.331, if the UE indicates support of NR-DC and of resumeWithSCG-Config-r16 as specified in TS 38.331.	38.306, 4.2.6	Rel-16	pc_directSCG_SCellActivationResume_r16	No		A UE indicating support of directSCG-SCellActivationResume-r16 shall indicate support of EN-DC or NGEN-DC and support of resumeWithSCG-Config-r16 as specified in TS 36.331 or indicate support of NR-DC and of resumeWithSCG-Config-r16 as specified in TS 38.331.

16	Support services with survival time requirement using configured grant resource and PDCP duplication, as specified in TS 38.321.	38.306, 4.2.6	Rel-17	pc_survivalTime_r17	No		A UE supporting this feature shall support pdcp-DuplicationMCG-orSCG-DRB or pdcp-DuplicationSplitDRB. A UE supporting this feature shall also support configuredUL-GrantType1-v1650 or configuredUL-GrantType2-v1650.
17	Support of UL LBT Failure Detection and Recovery	38.306, 4.2.6	Rel-16	pc_UL_LBT_FailureDetectionRecovery_r16	No		Applies to UEs supporting shared spectrum channel access (at least one of A.4.3.2-1/1 to A.4.3.2-2/5).
18	Support of disabled HARQ feedback for downlink transmission	38.306, 4.2.6	Rel-17	pc_harq_FeedbackDisabled_r17	No		A UE supporting this feature shall also indicate the support of nonTerrestrialNetwork-r17.
19	Support of triggering of SR when a TA report is triggered and there are no available UL-SCH resources	38.306, 4.2.6	Rel-17	pc_sr_TriggeredBy_TA_Report_r17	No		A UE supporting this feature shall also indicate the support of nonTerrestrialNetwork-r17.
20	Support of HARQ Mode B and the corresponding LCP restrictions for uplink transmission	38.306, 4.2.6	Rel-17	pc_uplink_Harq_ModeB_r17	No		A UE supporting this feature shall also indicate the support of nonTerrestrialNetwork-r17.
21	Support of refined buffer size table	38.306, 4.2.6	Rel-18	pc_additionalBS_Table_r18	No		
22	Support of delay status report of the buffered data	38.306, 4.2.6	Rel-18	pc_delayStatusReport_r18	No		
23	Support of non-integer DRX periodicity	38.306, 4.2.6	Rel-18	pc_non_IntegerDRX_r18	No		

A.4.3.6 Measurement Capabilities

Table A.4.3.6-1: UE Measurement Capabilities

Item	UE Measurement Capabilities	Ref.	Release	Mnemonic	M	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Comments
1	Support NR measurements and events A triggered reporting	38.306, 4.2.9	Rel-15	pc_eventA_MeasAndReport	Yes		
2	Support two independent measurement gap configurations for FR1 and FR2	38.306, 4.2.9	Rel-15	pc_independentGapConfig	No		
3	Support NR intra-frequency and inter-frequency measurements and at least periodical reporting	38.306, 4.2.9	Rel-15	pc_intraAndInterF_MeasAndReport	Yes		
4	Support CSI-RSRP and CSI-RSRQ measurement as specified in TS38.215 [21], where CSI-RS resource is configured with an associated SS/PBCH	38.306, 4.2.9	Rel-15	pc_csi_RSRP_And_RSRQ_MeasWithSSB	No		
5	Support inter-RAT E-UTRA measurements and events B triggered reporting	38.306, 4.2.9	Rel-15	pc_eventB_MeasAndReport	Yes		
6	Support SS-SINR measurements	38.306, 4.2.9	Rel-15	pc_ss_SINR_Meas	No		
6a	Support CSI-SINR measurements	38.306, 4.2.9	Rel-15	pc_csi_SINR_Meas	No		
7	Support acquisition of relevant information from a neighbouring E-UTRA cell by reading the SI of the neighbouring cell and reporting the acquired information to the network as specified in TS 38.331 [9] when the EN-DC is not configured.	38.306, 4.2.9	Rel-15	pc_eutra_CGI_Reporting	Yes		
7a	Support acquisition of relevant information from a neighbouring E-UTRA cell by reading the SI of the neighbouring cell using autonomous gap and reporting the acquired information to the network as specified in TS 38.331 [9] when MR-DC is not configured	38.306, 4.2.9	Rel-16	pc_eutra_AutonomousGaps_r16	No		
8	Support acquisition of relevant information from a neighbouring intra-frequency or inter-frequency NR cell by reading the SI of the neighbouring cell and reporting the acquired information to the network as specified in TS 38.331 [9] when EN-DC is not configured.	38.306, 4.2.9	Rel-15	pc_nr_CGI_Reporting	Yes		

8a	Support acquisition of relevant information from a neighbouring NR cell by reading the SI of the neighbouring cell using autonomous gap and reporting the acquired information to the network as specified in TS 38.331 [9] when MR-DC is not configured.	38.306, 4.2.9	Rel-16	pc_nr_Autonomous Gaps_r16	No		
9	Support acquisition of relevant information from a neighbouring intra-frequency or inter-frequency NR cell by reading the SI of the neighbouring cell and reporting the acquired information to the network as specified in TS 38.331 [9] when the EN-DC is configured.	38.306, 4.2.9	Rel-15	pc_nr_CGI_Reportin_g_ENDC	Yes		
10	Support shorter measurement gap length (i.e. <i>gp2</i> and <i>gp3</i>) for independent measurement gap configuration on FR1 and per-UE gap in (NG)EN-DC.	36.331, 6.3.6	Rel-15	pc_gp2_gp3_en_dc	No		
11	Support NR supports gap pattern 4 for independent measurement gap configuration on FR1 and per-UE gap in (NG)EN-DC	36.331, 6.3.6	Rel-15	pc_gp4_en_dc	No		
12	Support NR supports gap pattern 5 for independent measurement gap configuration on FR1 and per-UE gap in (NG)EN-DC	36.331, 6.3.6	Rel-15	pc_gp5_en_dc	No		
13	Support NR supports gap pattern 6 for independent measurement gap configuration on FR1 and per-UE gap in (NG)EN-DC	36.331, 6.3.6	Rel-15	pc_gp6_en_dc	No		
14	Support NR supports gap pattern 7 for independent measurement gap configuration on FR1 and per-UE gap in (NG)EN-DC	36.331, 6.3.6	Rel-15	pc_gp7_en_dc	No		
15	Support NR supports gap pattern 8 for independent measurement gap configuration on FR1 and per-UE gap in (NG)EN-DC	36.331, 6.3.6	Rel-15	pc_gp8_en_dc	No		
16	Support NR supports gap pattern 9 for independent measurement gap configuration on FR1 and per-UE gap in (NG)EN-DC	36.331, 6.3.6	Rel-15	pc_gp9_en_dc	No		
17	Support NR supports gap pattern 10 for independent measurement gap configuration on FR1 and per-UE gap in (NG)EN-DC	36.331, 6.3.6	Rel-15	pc_gp10_en_dc	No		

18	Support NR supports gap pattern 11 for independent measurement gap configuration on FR1 and per-UE gap in (NG)EN-DC	36.331, 6.3.6	Rel-15	pc_gp11_en_dc	No		
19	Support measurement gap pattern 2 configured by NR RRC.	38.306, 4.2.9	Rel-15	pc_gp2_nr	No		
20	Support measurement gap pattern 3 configured by NR RRC.	38.306, 4.2.9	Rel-15	pc_gp3_nr	No		
21	Support measurement gap pattern 4 configured by NR RRC.	38.306, 4.2.9	Rel-15	pc_gp4_nr	No		
22	Support measurement gap pattern 5 configured by NR RRC.	38.306, 4.2.9	Rel-15	pc_gp5_nr	No		
23	Support measurement gap pattern 6 configured by NR RRC.	38.306, 4.2.9	Rel-15	pc_gp6_nr	No		
24	Support measurement gap pattern 7 configured by NR RRC.	38.306, 4.2.9	Rel-15	pc_gp7_nr	No		
25	Support measurement gap pattern 8 configured by NR RRC.	38.306, 4.2.9	Rel-15	pc_gp8_nr	No		
26	Support measurement gap pattern 9 configured by NR RRC.	38.306, 4.2.9	Rel-15	pc_gp9_nr	No		
27	Support measurement gap pattern 10 configured by NR RRC.	38.306, 4.2.9	Rel-15	pc_gp10_nr	No		
28	Support measurement gap pattern 11 configured by NR RRC.	38.306, 4.2.9	Rel-15	pc_gp11_nr	No		
29	Support measurement gap pattern 12 configured by NR RRC.	38.306, 4.2.9	Rel-15	pc_gp12_nr	No		
30	Support measurement gap pattern 15 configured by NR RRC.	38.306, 4.2.9	Rel-15	pc_gp15_nr	No		
31	Support measurement gap pattern 16 configured by NR RRC.	38.306, 4.2.9	Rel-15	pc_gp16_nr	No		
32	Support measurement gap pattern 17 configured by NR RRC.	38.306, 4.2.9	Rel-15	pc_gp17_nr	No		
34	Support measurement gap pattern 18 configured by NR RRC.	38.306, 4.2.9	Rel-15	pc_gp18_nr	No		
35	Support measurement gap pattern 19 configured by NR RRC.	38.306, 4.2.9	Rel-15	pc_gp19_nr	No		
36	Support measurement gap pattern 20 configured by NR RRC.	38.306, 4.2.9	Rel-15	pc_gp20_nr	No		
37	Support measurement gap pattern 21 configured by NR RRC.	38.306, 4.2.9	Rel-15	pc_gp21_nr	No		
38	Support measurement gap pattern 22 configured by NR RRC.	38.306, 4.2.9	Rel-15	pc_gp22_nr	No		
39	Support measurement gap pattern 23 configured by NR RRC.	38.306, 4.2.9	Rel-15	pc_gp23_nr	No		

40	Support CSI-RSRP and CSI-RSRQ measurement as specified in TS38.215 [21], where CSI-RS resource is configured without an associated SS/PBCH	38.306, 4.2.9	Rel-15	pc_csi_RSRP_And_RSRQ_MeasWithoutSSB	No		
41	Support CSI-RS based Radio Link Monitoring for FR1	38.306, 4.2.9	Rel-15	pc_CSI_RS_RLM_FR1	Yes		If the UE supports this feature, the UE needs to report maxNumberResource-CSI-RS-RLM in its capability report. If the UE doesn't support CSI-RS based RLM, it will not include this IE in its capability report.
41a	Support CSI-RS based Radio Link Monitoring for FR2	38.306, 4.2.9	Rel-15	pc_CSI_RS_RLM_FR2	Yes		If the UE supports this feature, the UE needs to report maxNumberResource-CSI-RS-RLM in its capability report. If the UE doesn't support CSI-RS based RLM, it will not include this IE in its capability report.
42	Support of E-UTRA RS-SINR measurements	38.306, 4.2.10	Rel-15	pc_RS_SINR_MeasEUTRA	No		
43	Support of SFTD measurements between a E-UTRA PCell and an NR PSCell in FDD	38.306, 4.2.9	Rel-15	pc_SFTD_MeasPSCell_MRDC_FDD	No		The SFTD measurement support should be indicated in MRDC capabilities for EN-DC. The support needs to be declared for FDD and TDD separately

44	Support of SFTD measurements between a E-UTRA PCell and an NR PSCell in TDD	38.306, 4.2.9	Rel-15	pc_SFTD_MeasPS Cell_MRDC_TDD	No		The SFTD measurement support should be indicated in MRDC capabilities for EN-DC. The support needs to be declared for FDD and TDD separately
45	Support of relaxed RRM measurements of neighbour cells in RRC_IDLE/RRC_INACTIVE	38.306, 5.6	Rel-16	pc_Relaxed_Measurement	No		
46	Support of SFTD measurements between a E-UTRA PCell and an NR neighbour cell in FDD	38.306, 4.2.9	Rel-15	pc_SFTD_MeasNR _Cell_FDD	No		The support needs to be declared for FDD and TDD separately The SFTD measurement support can only be indicated in MRDC capabilities for EN-DC
47	Support of SFTD measurements between a E-UTRA PCell and an NR neighbour cell in TDD	38.306, 4.2.9	Rel-15	pc_SFTD_MeasNR _Cell_TDD	No		The support needs to be declared for FDD and TDD separately The SFTD measurement support can only be indicated in MRDC capabilities for EN-DC
48	Support of SFTD measurements between a NR PCell and an NR neighbour cell in FDD	38.306, 4.2.9	Rel-15	pc_SFTD_MeasNR _Neigh_FDD	No		The support needs to be declared for FDD and TDD separately

49	Support of SFTD measurements between a NR PCell and an NR neighbour cell in TDD	38.306, 4.2.9	Rel-15	pc_SFTD_MeasNR_Neigh_TDD	No		The support needs to be declared for FDD and TDD separately
50	Support of SFTD measurements between a NR PCell and an NR PSCell in FDD	38.306, 4.2.9	Rel-15	pc_SFTD_MeasPS_Cell_NRDC_FDD	No		The SFTD measurement support should be indicated in UE-NR-Capability
51	Support of SFTD measurements between a NR PCell and an NR PSCell in TDD	38.306, 4.2.9	Rel-15	pc_SFTD_MeasPS_Cell_NRDC_TDD	No		The SFTD measurement support should be indicated in UE-NR-Capability
52	Support of acquisition of CGI related information from a neighbouring intra-frequency or inter-frequency NPN CAG cell	38.306, 4.2.9	Rel-16	pc_nr_CGI_ReportIng_NPN_r16	No		
53	Supports periodic EUTRA measurement and reporting.	38.306, 4.2.9	Rel-15	pc_periodicEUTRA_MeasAndReport	Yes		
54	Support configuration of NR SSB measurements in RRC_IDLE/RRC_INACTIVE and reporting of the corresponding results upon network request as specified in TS 38.331 [9]	38.306, 4.2.9	Rel-16	pc_idleInactiveNR_MeasReport	No		
55	Support configuration of E-UTRA measurements in RRC_IDLE/RRC_INACTIVE and reporting of the corresponding results upon network request as specified in TS 38.331 [9]	38.306, 4.2.9	Rel-16	pc_idleInactiveEUTRA_MeasReport	No		

56	Support SRS-RSRP measurements between a NR Pcell and an interfering UE, upon network request as specified in 38.331 [9]	38.306, 4.2.9	Rel-16	pc_nr_CLI_Reportin g_r16	No		If the UE supports this feature, the UE needs to report <i>maxNumberCLI-SRS-RSRP-r16</i> and <i>maxNumberPerSlotCLI-SRS-RSRP-r16</i> . If the UE doesn't support CLI SRS-RSRP measurement, it will not include this IE in its capability report.
56A	Support SRS-RSRP measurements and periodical reporting and measurement event triggering based on SRS-RSRP	38.306, 4.2.9	Rel-16	pc_cli_SRS_RSRP _Meas_r16	No		If the UE supports this feature, the UE needs to report <i>maxNumberCLI-SRS-RSRP-r16</i> and <i>maxNumberPerSlotCLI-SRS-RSRP-r16</i> .
56B	Support CLI RSSI measurements and periodical reporting and measurement event triggering	38.306, 4.2.9	Rel-16	pc_cli_RSSI_Meas_ r16	No		If the UE supports this feature, the UE needs to report <i>maxNumberCLI-RSSI-r16</i> .
57	Support acquisition of relevant information from a neighbouring E-UTRA cell by reading the SI of the neighbouring cell and reporting the acquired information to the network as specified in TS 38.331 [9] when the NE-DC is configured.	38.306, 4.2.9	Rel-15	pc_eutra_CGI_Rep orting_NEDC	No		

58	Support acquisition of relevant information from a neighbouring E-UTRA cell by reading the SI of the neighbouring cell and reporting the acquired information to the network as specified in TS 38.331 [9] when the NR-DC is configured wherein MN and SN have different DRX cycles, or on-duration configured by MN does not contain on-duration configured by SN if the DRX cycles are the same.	38.306, 4.2.9	Rel-15	pc_eutra_CGI_Reporting_NRDC	No		
59	Support acquisition of relevant information from a neighbouring intra-frequency or inter-frequency NR cell by reading the SI of the neighbouring cell and reporting the acquired information to the network as specified in TS 38.331 [9] when the NE-DC is configured.	38.306, 4.2.9	Rel-15	pc_nr_CGI_Reporting_NEDC	Yes		
60	Support acquisition of relevant information from a neighbouring intra-frequency or inter-frequency NR cell by reading the SI of the neighbouring cell and reporting the acquired information to the network as specified in TS 38.331 [9] when the NR-DC is configured wherein MN and SN have different DRX cycles, or on-duration configured by MN does not contain on-duration configured by SN if the DRX cycles are the same.	38.306, 4.2.9	Rel-15	pc_nr_CGI_Reporting_NRDC	Yes		
61	Supports performing eNB-configured SSB-based RRM measurements for EN-DC configured NR FR1 carrier(s) in RRC_IDLE and reporting them when requested by the eNB while resuming from RRC_IDLE or in RRC_CONNECTED, as specified in TS 36.331 [5].	36.306, 4.3.6.41	Rel-16	pc_nrldeInactiveNRFR1_MeasReport	No		
62	Supports performing eNB-configured SSB-based RRM measurements for EN-DC configured NR FR2 carrier(s) in RRC_IDLE and reporting them when requested by the eNB while resuming from RRC_IDLE or in RRC_CONNECTED, as specified in TS 36.331 [5].	36.306, 4.3.6.42	Rel-16	pc_nrldeInactiveNRFR2_MeasReport	No		
63	Support more than 1 per-UE measurement gap configurations.	38.306, 4.2.9	Rel-17	pc_concurrentPerUE_OnlyMeasGap_r17	No		

64	Support all concurrent gap combination configurations as specified in TS 38.133 [5] including support of more than 1 per-UE measurement gap configurations.	38.306, 4.2.9	Rel-17	pc_concurrentPerUE_PerFRCombMeasGap_r17	No		
65	Support the configurations of E-UTRAN measurement objectives associated with more than 1 concurrent measurement gaps.	38.306, 4.2.9	Rel-17	pc_concurrentMeasGapEUTRA_r17	No		
66	Support reporting of the NCSG and measurement gap requirement information for E-UTRA target bands in the UE response to a network configuration RRC message as specified in TS 38.331 [9].	38.306, 4.2.9	Rel-17	pc_eutra_NeedForGapNCSG_Reporting_r17	No		
67	Support two independent measurement gap configurations for FR1 and FR2 for PRS measurement.	38.306, 4.2.9	Rel-17	pc_independentGapConfigPRS_r17	No		
68	Support NR-only NCSG patterns.	38.306, 4.2.9	Rel-17	pc_ncsg_MeasGapNR_Patterns_r17	No		
69	Support NCSG patterns.	38.306, 4.2.9	Rel-17	pc_ncsg_MeasGapPatterns_r17	No		
70	Support per-FR NCSG.	38.306, 4.2.9	Rel-17	pc_ncsg_MeasGapPerFR_r17	No		
71	Support performing measurement with NCSG based on flag deriveSSB-IndexFromCell-inter and meeting the following requirements that the scheduling restriction in FR2 serving cell during NCSG ML is on SSB symbol level.	38.306, 4.2.9	Rel-17	pc_ncsg_SymbolLevelScheduleRestrictionInter_r17	No		
72	Support reporting of the NCSG and measurement gap requirement information for SSB based measurement in the UE response to a network configuration RRC message.	38.306, 4.2.9	Rel-17	pc_nr_NeedForGapNCSG_Reporting_r17	No		
73	Support the preconfigured measurement gap with UE-autonomous mechanism for activation and deactivation.	38.306, 4.2.9	Rel-17	pc_preconfiguredUE_AutonomousMeasGap_r17	No		
74	Support the preconfigured measurement gap with network-controlled mechanism for activation and deactivation.	38.306, 4.2.9	Rel-17	pc_preconfiguredNW_ControlledMeasGap_r17	No		
75	Support of SFTD measurements between the NR PCell and a configured E-UTRA PSCell	38.306, 4.2.9	Rel-15	pc_SFTD_MeasPSCell_NEDC	No		

76	Support of location-based triggered measurement reporting (i.e., event D1) as specified in TS 38.331 [9].	38.306, 4.2.9	Rel-17	pc_eventD1_MeasReportTrigger_r17	CY		If UE supports locationBasedConditionalHandover_r17 in any NTN band then UE needs to support this feature.
77	Void						
78	Support of Rel-17 BFD relaxation criteria	38.306, 4.2.7.2	Rel-17	pc_bfd_Relaxation_r17	No		
79	Support of Rel-17 RLM relaxation criteria	38.306, 4.2.7.2	Rel-17	pc_rlm_Relaxation_r17	No		
80	Indicates the support of simultaneous transmission and reception in TDD-TDD and TDD-FDD inter-band NR CA. If this field is included in ca-ParametersNR-ForDC, it indicates the UE supports simultaneous transmission and reception between any UL/DL band pair within a cell group and across MCG and SCG in TDD-TDD and TDD-FDD inter-band NR-DC.	38.306, 4.2.7	Rel-17	pc_simultaneous_RxTx_InterBandCA	No		If the capability is supported then the band pair(s) for which it is supported shall be indicated in Table A.4.3.2A.4.1-3
81	Indicates whether the UE can perform inter-frequency SSB based measurements without measurement gaps if the SSB is completely contained in the active BWP of the UE as specified in TS 38.133 [5]. If this parameter is indicated for FR1 and FR2 differently, each indication corresponds to the frequency range of cells to be measured.	38.306, 4.2.9	Rel-16	pc_interFrequencyMeas_NoGap_r16	No		
82	Indicates whether the UE supports 2 parallel measurement gaps for NTN SSB based RRM measurements	38.306, 4.2.9	Rel-17	pc_parallelMeasGap_r17	No		If a UE supports this feature, then it supports r17 NTN
83	Indicates whether the UE supports Time-based measurement initiation for NTN while in RRC_IDLE/RRC_INACTIVE	38.306, 5.6	Rel-17	pc_timeBasedMeasInit_r17	No		If a UE supports this feature, then it supports r17 NTN
84	Indicates whether the UE supports Location-based measurement initiation for NTN while in RRC_IDLE/RRC_INACTIVE	38.306, 5.6	Rel-17	pc_locationBasedMeasInit_r17	No		If a UE supports this feature, then it supports r17 NTN
85	Indicates whether the UE supports enhanced RRM requirements for measurements in NTN bands while in RRC_IDLE/RRC_INACTIVE	38.306, 5.6	Rel-17	pc_enhRRMreqMeas_r17	No		If a UE supports this feature, then it supports r17 NTN
86	Void						

87	Indicates whether the UE supports measurement of 1 LEO satellite in parallel within an SMTc for NTN (maxNumber-NGSO-SatellitesWithinOneSMTc-r17)	38.306, 4.2.7.2	Rel-17	pc_maxNumNGSOsatPerSMTc_1_r17	No		If a UE supports this feature, then it supports r17 NTN
88	Indicates whether the UE supports measurement of 2 LEO satellite in parallel within an SMTc for NTN (maxNumber-NGSO-SatellitesWithinOneSMTc-r17)	38.306, 4.2.7.2	Rel-17	pc_maxNumNGSOsatPerSMTc_2_r17	No		If a UE supports this feature, then it supports r17 NTN
89	Indicates whether the UE supports measurement of 3 LEO satellite in parallel within an SMTc for NTN (maxNumber-NGSO-SatellitesWithinOneSMTc-r17)	38.306, 4.2.7.2	Rel-17	pc_maxNumNGSOsatPerSMTc_3_r17	No		If a UE supports this feature, then it supports r17 NTN
90	Indicates whether the UE supports measurement of 4 LEO satellite in parallel within an SMTc for NTN (maxNumber-NGSO-SatellitesWithinOneSMTc-r17)	38.306, 4.2.7.2	Rel-17	pc_maxNumNGSOsatPerSMTc_4_r17	No		If a UE supports this feature, then it supports r17 NTN
91	Indicates whether the UE supports inter-satellite measurements for NTN (interSatMeas-r17)	38.306, 4.2.9	Rel-17	pc_interSatMeas_r17	No		If a UE supports this feature, then it supports r17 NTN
92	Support of measurement gap pattern 13 configured by NR RRC when in (NG)EN-DC	38.306, 4.2.9	Rel-15	pc_gp13_en_dc	No		
93	Support of measurement gap pattern 14 configured by NR RRC when in (NG)EN-DC	38.306, 4.2.9	Rel-15	pc_gp14_en_dc	No		
94	Support reduced TLTm_processing for cell switch from FR1 to FR1	38.306, 4.2.9	Rel-18	pc_ltm_FastUE_Procессing_fr1_r18	No		
95	Support reduced TLTm_processing for cell switch from FR2 to FR2	38.306, 4.2.9	Rel-18	pc_ltm_FastUE_Procессing_fr2_r18	No		
96	Support reduced TLTm_processing for cell switch from FR1/FR2 to FR2/FR1	38.306, 4.2.9	Rel-18	pc_ltm_FastUE_Procессing_fr1_AndFR2_r18	No		
97	Support SSB based inter-frequency L1-RSRP measurements with measurement gaps for LTM	38.306, 4.2.9	Rel-18	pc_ltm_InterFreqMeasGap_r18	No		A UE supporting this feature shall also indicate support of interFreqL1-MeasConfig-r18 (pc_interFreqL1_MeasConfig_r18).

98	Support LTM for MCG with RACH with NR-DC configured	38.306, 4.2.9	Rel-18	pc_ltm_MCG_NRD_C_r18	No		A UE indicating support for this feature shall also indicate support of ltm-MCG-IntraFreq-r18 (pc_ltm_MCG_IntraFreq_r18).
99	Support LTM for MCG with the release of NR-DC configuration as part of LTM execution when LTM cell switch command MAC CE is received	38.306, 4.2.9	Rel-18	pc_ltm_MCG_NRD_C_Release_r18	No		A UE indicating support for this feature shall also indicate support of ltm-MCG-IntraFreq-r18 (pc_ltm_MCG_IntraFreq_r18).
100	Support inter-frequency MCG LTM on all the bands where the UE indicates support of ltm-MCG-IntraFreq-r18 or inter-frequency SCG LTM on all the bands where the UE indicates support of ltm-SCG-IntraFreq-r18 respectively	38.306, 4.2.9	Rel-18	pc_ltm_InterFreq_r18	No		A UE supporting this feature shall also indicate support of ltm-MCG-IntraFreq-r18 (pc_ltm_MCG_IntraFreq_r18) or ltm-SCG-IntraFreq-r18 (pc_ltm_SCG_IntraFreq_r18).
100A	Support of inter-frequency L1-RSRP measurement and reporting based on SSB(s) of LTM candidate cell(s) that are inside the BC only in which the UE indicates support of <i>interFreqL1-MeasConfig-r18</i>	38.306, 4.2.9	Rel-18	pc_ltm_interFreqL1_OnlyInBC_r18	No		A UE supporting this feature shall also indicate support of <i>interFreqL1-MeasConfig-r18</i> . (pc_interFreqL1_MeasConfig_r18).

101	Support RACH-less LTM with configured grant for MCG LTM if the UE indicates support of ltm-MCG-IntraFreq-r18 or for SCG LTM if the UE indicates support of ltm-SCG-IntraFreq-r18 respectively	38.306, 4.2.9	Rel-18	pc_ltm_RACH_LessCG_r18	No		A UE indicating support for this feature shall also indicate support of either ltm-BeamIndicationJointTCI-r18 (pc_ltm_BeamIndicationJointTCI_r18) or ltm-BeamIndicationSeparateTCI-r18 (pc_ltm_BeamIndicationSeparateTCI_r18) for at least one band and either ta-IndicationCellSwitch-r18 (pc_ta_IndicationCellSwitch_r18) or ue-TA-Measurement-r18 (pc_ue_TA_Measurement_r18).
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102	Support RACH-Less LTM with dynamic grant, for MCG LTM if the UE indicates support of ltm-MCG-IntraFreq-r18 or for SCG LTM if the UE indicates support of ltm-SCG-IntraFreq-r18 respectively	38.306, 4.2.9	Rel-18	pc_ltm_RACH_LessDG_r18	No		A UE indicating support for this feature shall also indicate support of either ltm-BeamIndicationJointTCI-r18 (pc_ltm_BeamIndicationJointTCI_r18) or ltm-BeamIndicationSeparateTCI-r18 (pc_ltm_BeamIndicationSeparateTCI_r18) for at least one band and TA indication in ta-IndicationCellSwitch-r18 (pc_ta_IndicationCellSwitch_r18) or ue-TA-Measurement-r18 (pc_ue_TA_Measurement_r18).
103	Support recovery procedure for MCG LTM execution when the selected cell in RRC re-establishment procedure is a LTM candidate	38.306, 4.2.9	Rel-18	pc_ltm_Recovery_r18	No		A UE indicating support for this feature shall also indicate support of ltm-MCG-IntraFreq-r18 (pc_ltm_MCG_IntraFreq_r18) for at least one band.

104	Support a reference configuration for LTM	38.306, 4.2.9	Rel-18	pc_ltm_ReferenceConfig_r18	No		A UE indicating support for this feature shall also indicate support of either ltm-MCG-IntraFreq-r18 (pc_ltm_MCG_IntraFreq_r18) or ltm-SCG-IntraFreq-r18 (pc_ltm_SCG_IntraFreq_r18) for at least one band.
105	Support reporting the measurement gap requirement information for NR target in the UE response to a network configuration RRC message.	38.306, 4.2.9	Rel-16	pc_nr_NeedForGap_Reporting_r16	No		
105A	Support performing SSB based inter-RAT measurements on each supported NR band without measurement gaps	38.306, 4.3.6.38	Rel-16	pc_interRAT_NeedForGapsNR_r16	No		
106	Support reporting the interruption requirement information for SSB based measurement towards NR target without gap in the UE response to a network configuration RRC message	38.306, 4.2.9	Rel-18	pc_nr_NeedForInterruptionReport_r18	No		A UE supporting this feature shall also indicate support of nr-NeedForGap-Reporting-r16 (pc_nr_NeedForGap_Reporting_r16).

107	Support concurrent inter-RAT measurement on EUTRAN cell in non-DSS and PDCCH or PDSCH reception from the serving cell with a different numerology	38.306, 4.2.9	Rel-18	pc_concurrentMeasCRS_InsideBWP_EUTRA_r18	No		A UE supporting this feature shall also indicate support of eutra-NoGapMeasurementInsideBWP-r18 (pc_eutra_NoGapMeasurementInsideBWP_r18) or eutra-NoGapMeasurementOutsideBWP-r18 (pc_eutra_NoGapMeasurementOutsideBWP_r18).
108	Support multiple per-UE (or per-FR) measurement gap patterns with at least one per-UE (or per-FR) NCSG as specified in TS 38.133	38.306, 4.2.9	Rel-18	pc_concurrentMeasGapsNCSG_r18	No		A UE supporting this feature shall also indicate support of nr-NeedForGapNCSG-Reporting-r17 (pc_nr_NeedForGapNCSG_Reporting_r17) and concurrentMeasGap-r17.

109	Support multiple per-UE (or per-FR) measurement gap patterns with at least one per-UE (or per-FR) Pre-MG as specified in TS 38.133	38.306, 4.2.9	Rel-18	pc_concurrentMeasGapsPreMG_r18	No		A UE supporting this feature shall also indicate support of concurrentMeasGap-r17 and one of preconfiguredNW-ControlledMeasGap-r17 (pc_preconfiguredNW_ControlledMeasGap_r17) and preconfiguredUE-AutonomousMeasGap-r17 (pc_preconfiguredUE_AutonomousMeasGap_r17).
110	Support RRM requirements for handling dynamic collisions between a Pre-MG and another measurement gap or Pre-MG	38.306, 4.2.9	Rel-18	pc_dynamicCollision_r18	No		A UE supporting this feature shall also indicate support of concurrentMeasGapsPreMG-r18 (pc_concurrentMeasGapsPreMG_r18).

111	Support configuration of effective measurement window for inter-RAT EUTRAN measurements, including offset, duration and periodicity	38.306, 4.2.9	Rel-18	pc_eutra_MeasEMW_r18	No		A UE supporting this feature shall also indicate support of eutra-NoGapMeasurementOutsideBWP-r18 (pc_eutra_NoGapMeasurementOutsideBWP_r18) or eutra-NoGapMeasurementInsideBWP-r18 (pc_eutra_NoGapMeasurementInsideBWP_r18).
112	Support inter-RAT EUTRAN measurements without gap when CRS is completely contained within UE's active DL BWP	38.306, 4.2.9	Rel-18	pc_eutra_NoGapMeasurementInsideBWP_r18	No		
113	Support inter-RAT EUTRAN measurements outside active DL BWP for nogap-noncsg	38.306, 4.2.9	Rel-18	pc_eutra_NoGapMeasurementOutsideBWP_r18	No		A UE supporting this feature shall also indicate support of eutra-NeedForGapNCSG-Reporting-r17 (pc_eutra_NeedForGapNCSG-Reporting_r17).
114	Indicates measurement gap pattern(s) optionally supported by the UE for NR SA and NR-DC when the frequencies to be measured within this measurement gap are all NR frequencies	38.306, 4.2.9	Rel-16	pc_meas_gap_nr_only_r16	No		The UE shall set the bits corresponding to the measurement gap pattern 2, 3 and 11 to 1

115	Support of SSB based inter-RAT measurements without measurement gap, but with interruption (no-gap-with-interruption) on each supported NR band.	36.306, 4.3.6.53	Rel-18	pc_interRAT_NeedForInterruptionNR_NGWI_r18	No		A UE includes this field only if it indicates measurement gap is not required in the corresponding interRAT-NeedForGapsNR-r16 field.
116	Support of SSB based inter-RAT measurements without measurement gap nor interruption (no-gap-no-interruption) on each supported NR band.	36.306, 4.3.6.53	Rel-18	pc_interRAT_NeedForInterruptionNR_NGNI_r18	No		A UE includes this field only if it indicates measurement gap is not required in the corresponding interRAT-NeedForGapsNR-r16 field.
117	Support of concurrent SSB-based inter-RAT measurement on NR FR1 cell and PDCCH or PDSCH reception from the serving cell with a different numerology	36.306, 4.3.6.54	Rel-18	pc_simultaneousRxDataSSB_DiffNumerology_FR1_r18	No		A UE includes this field only if it indicates support of interRAT-NeedForInterruptionNR-r18 for at least one target band in at least one band combination.
118	Support location based RRM measurements of neighbour cells in NTN quasi-Earth fixed cell in RRC_IDLE/RRC_INACTIVE	38.306, 5.6	Rel-18	pc_meas_ntn_quasi_earth_fixed_cell	No		If a UE supports this feature, then it supports r18 NTN Enhanced
119	Support location based RRM measurements of neighbour cells in NTN Earth-moving cell in RRC_IDLE/RRC_INACTIVE	38.306, 5.6	Rel-18	pc_meas_ntn_earth_moving_cell	No		If a UE supports this feature, then it supports r18 NTN Enhanced
120	Support Skipping TN measurements	38.306, 5.6	Rel-18	pc_skipping_tn_measurements	No		

A.4.3.7 General Capabilities

Table A.4.3.7-1: UE General Capabilities

Item	UE General Capabilities	Ref.	Release	Mnemonic	M	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Comments
1	Support UL transmission via either MCG path or SCG path for the split SRB as specified in TS 37.340[20]	38.306, 4.2.2	Rel-15	pc_splitSRB_WithOneUL_Path	No		
2	Support UL transmission via both MCG path and SCG path for the split DRB as specified in TS 37.340[20]	38.306, 4.2.2	Rel-15	pc_splitDRB_withUL_Both_MCG_SCG	Yes		
3	Support direct SRB between the SN and the UE as specified in TS 37.340[20]	38.306, 4.2.2	Rel-15	pc_srb3	Yes		
4	Support of reflective QoS	38.306, 4.2.2	Rel-15	pc_as_ReflectiveQoS	No		
5	Support of NAS reflective QoS	24.501, 6.2.5.1.4.1, 9.11.4.1	Rel-15	pc_nas_ReflectiveQoS	No		
6	Support of SMS over NAS	24.501, 5.5.1.2	Rel-15	pc_sms_over_NAS	No		
7	Support of CMAS message on NR	38.331, 5.2.2.2.2	Rel-15	pc_CMAS_NR	No		
8	Support of ETWS message on NR	38.331, 5.2.2.2.2	Rel-15	pc_ETWS_NR	No		
9	The UE supports additional UE-requested PDU establishment	24.501, 6.4.1.5	Rel-15	pc_Additional_PDUE_establishment	No		pc_ExpectedNoOfPDUSessionsAtRegistration +1
10	The UE includes the SM PDU DN request container IE in the PDU SESSION ESTABLISHMENT REQUEST message	24.501, 6.4.1.2	Rel-15	pc_SM_PDU_DN_RequestContainer	No		
11	Support of emergency services fallback in NR connected to 5GCN	24.501	Rel-15	pc_NR_5GC_EmergencyService_fallback	No		
12	Support of EPS fallback	24.501,	Rel-15	pc_EPS_fallback	No		
13	Support of UE requested PDU session modification	24.501, 6.4.2.2	Rel-15	pc_MO_PDU_Session_Modification	Yes		
14	Support of emergency services in NR connected to 5GCN	24.501	Rel-15	pc_NR_5GC_EmergencyServices	No		
15	Support of voiceFallbackIndication	38.306, 4.2.13	Rel-16	pc_voiceFallbackIndication	No		

16	Support provision of referenceTimeInfo	38.306, 4.2.2	Rel-16	pc_referenceTimeProvision_r16	No		specifically for TSC (time sensitive communication) services
17	Support of RACS	24.501, 9.11.3.1	Rel-16	pc_5GC_RACS	No		
18	Support of RRC message Segmentation in the UL	38.306, 5.4	Rel-16	pc_NR_UL_Segmentation	No		UE supports segmentation of UECapabilityInformation message, IF size > maximum supported size of a PDCP SDU
19	Support of RRC_INACTIVE as specified in TS 38.331 [9].	38.306, 4.2.2	Rel-15	pc_inactiveState	Yes		
20	Support of UE local release when the security check is successful but SOR Transparent container indicates ACK has been NOT requested	23.122 clause C.2	Rel-15	pc_SOR_ACKNotReqLocalRel	No		
21	Support of RRC connection release with deprioritisation	38.306, 5.3	Rel-15	pc_NR_RRC_Release_With_Deprioritisation	No		
22	Support of RRC connection establishment failure with temporary offset	38.306, 5.3	Rel-15	pc_NR_RRC_ConEstFail_With_TempOffset	No		
23	Support of Closed Access Group	24.501, 9.11.3.1	Rel-16	pc_CAG	No		
24	Support of Stand-alone Non-Public Network	23.501, 3.1	Rel-16	pc_SNPN	No		
25	Support of test function SET UL MESSAGE for using a preconfigured UE capability container over NR	38.509, 5.9	Rel-16	pc_Set_UE_Cap_Info_NR	No		This test function is mandatory for UEs supporting UL RRC segmentation and whose maximum UECapabilityInformation message size is less than the allowed maximum supported size of a PDCP SDU.
26	Support of network slice-specific authentication and authorization	24.501, 9.11.3.1	Rel-16	pc_5GC_NSSAA	No		

27	Support of EAP-AKA' as EAP method for network slice-specific authentication and authorization	24.501, 5.4.7	Rel-16	pc_5GC_NSSAA_EAP_AKA_Prime	No		
28	Support reduced control plane latency as defined in TS 38.331 [9]	38.306, 4.2.2	Rel-15	pc_reducedCP_Latency	No		
29	Support of release preference assistance information	38.306, 4.2.2	Rel-16	pc_releasePreference_r16	No		
30	Support of user initiated SNPN reselection in automatic mode	23.122	Rel-16	pc_UserInitiated_SNP_N_Reselection	No		
31	Support of autonomous search function to detect CAG cells on serving and non-serving frequencies	38.304, 5.2.4.10	Rel-16	pc_Autonomous_search_function_nr_CAG	No		
32	Support IMS voice over NR	38.306, 4.2.13	Rel-15	pc_voiceOverNR	No		A UE supporting IMS voice over NR shall support: - IMS emergency call over NR, and - IMS voice over E-UTRA/EPC if it supports E-UTRA/EPC.
33	Support of V2X communication	24.501, 9.11.3.1	Rel-16	pc_V2X	No		UE support V2X communication over NR-Uu and/or NR-PC5.
34	Support of V2X communication over NR-PC5	24.501, 9.11.3.1	Rel-16	pc_V2XCNPC5	No		
35	Support of Manufacturer assigned Radio Capability ID	23.501, 5.9.10	Rel-16	pc_5GC_RACS_Manufacturer_URCID	No		UE support of Manufacturer assigned radio capability ID
36	Void						
37	Support of Network Slice Simultaneous Registration Group	24.501, 9.11.3.82	Rel-17	pc_5GC_NSSRG	No		
38	Support of slice reselection information in SIB and on RRC release for slice based cell reselection in RRC_IDLE and RRC_INACTIVE	38.306, 4.2.2	Rel-17	pc_sliceInfoforCellReselection_r17	No		

39	Support of reception of segmented DL RRC messages	38.306, 4.2.2	Rel-16	pc_NR_dl_DedicatedMessageSegmentation	No		The SS initiates the DL Dedicated Message Segment transfer procedure IF the encoded RRCReconfiguration or RRCResume message PDU size > maximum PDCP SDU size.
40	Support of unified access control configuration in the list of subscriber data, indicating for which access identities (see 3GPP TS 24.501 [64]) the ME is configured, when the MS accesses an SNPN	23.122, 4.9.3.0, 24.501 4.5.2A	Rel-16	pc_SNP access_control_configuration	No		
41	Support of polarization signalling in NR NTN	38.306, 5.4	Rel-17	pc_Polarization_Signalling_NR NTN	No		UE supports polarization signalling in NR NTN
42	Supports receiving paging early indication and UE subgrouping indication with UEID	38.306, 4.2.2	Rel-17	pc_pei_SubgroupingSupportBandList_r17	No		
43	Support of Rel-17 extended DRX cycle up to 10485.76 seconds and paging in extended DRX in RRC_IDLE	38.306, 5.8 24.501, 5.3.16	Rel-17	pc_NR_eDRX	No		
44	Support of (re-)configuration of an SCG during the resume procedure.	38.306, 4.2.2	Rel-16	pc_resumeWithSCG_Config_r16	No		
45	Support of slice-based RACH prioritisation	38.306, 5.4	Rel-17	pc_Slice_RACH_Prioritisation	No		
46	Support of slice-based RACH partitioning	38.306, 5.4	Rel-17	pc_Slice_RACH_Partitioning	No		
47	Support of RACH prioritisation for Access Identity 1	38.306, 5.4	Rel-17	pc_AccId1_RACH_Prioritisation	No		US supporting this shall also support MPS (Access ID 1)
48	Support of ATSSS and MA PDU session	24.501, 6.4.1.2	Rel-16	pc_5GC_ATSSS	No		

49	Support gNB-side RTT-based PDC	38.306, 4.2.2	Rel-17	pc_gNB_SideRTT_BasedPDC_r17	No		A UE supporting this feature shall also support rtt-BasedPDC-CSI-RS-ForTracking-r17 and/or rtt-BasedPDC-PRS-r17.
50	Support of user plane integrity protection with EPS	24.301, 5.5.1, 33.401, 7.3.3	Rel-17	pc_EPS_UIPI	No		A UE supporting this feature shall also support EN-DC
51	Support of UAS Services	24.501, 3.1, 4.22	Rel-17	pc_UAS	No		A UE supporting UAS services
52	Support of accessing SNPN using credentials from a Credentials Holder	23.501 3.2, 5.30.2.9	Rel-17	pc_accessing_SNP_N_usingCH	No		UE supports access using credentials assigned by a Credentials Holder separate from the SNPN
53	Support of Onboarding Stand-alone Non-Public Network	23.501 5.30.2.10	Rel-17	pc_onboarding_SNP_N	No		
54	Support of EAP-AKA' as EAP method for PDU session authentication and authorization	24.501, 6.3.1	Rel-15	pc_5GC_PDU_EAP_AKA_Prime	No		
55	Support of relaxed cell reselection on GEO.	38.306. 5.4	Rel-17	pc_relaxedCellRe selectionGEO	No		
56	Support of emergency services in NR connected to 5GCN in SNPN Access mode	23.501, 5.16.4.1	Rel-17	pc_SNP_N_Emerg encyService	No		
57	Support of PLMN access in SNPN Access mode	23.122, 5.2.8	Rel-17	pc_SNP_N_PLMN	No		
58	Support of being configured for No E-UTRA Disabling In 5GS	24.301, 4.5	Rel-17	pc_no_eutra_disa ble_5GS	No		
59	Support of MICO mode	24.501, 5.3.6, 5.5.1.2.2	Rel-15	pc_MICO_Mode	No		A UE supporting MICO mode
60	Support of establishing a PDN connection as the user plane resource of an MA PDU session in 5GS	24.501, 6.4.1.2	Rel-17	pc_5GC_ATSSS_ PDN_connection	No		
61	Support of PEIPS assistance information	24.501, 5.5.1.2.2, 5.3.25	Rel-17	pc_PEIPS_assista nce_information	No		A UE supporting this feature shall also support pc_pei_Subgroupi ngSupportBandLis t_r17

62	Support of steering of roaming SNPN selection information	24.501 9.11.3.1	Rel-17	pc_SSNPNSI	No		
63	Support of steering of roaming connected mode control information	24.501 9.11.3.51	Rel-17	pc_SORCMCI	No		
64	Support of extended rejected NSSAI	24.501, 5.5.1.2.4	Rel-17	pc_ER_NSSAI	Yes		A UE supporting extended rejected NSSAI
65	Support of ATG	38.306, 4.2.2	Rel-18	pc_airToGroundNetwork_r18	No		UE supports ATG
66	Support of UE disabling E-UTRA capability when attach attempt counter or tracking area updating attempt counter is equal to 5	24.301, 5.5.1.2.6, 5.5.1.3.6, 5.5.3.2.6	Rel-17	pc_disable_EUTRA_attempt_counter_max	No		This PICS shall be true for UE that always disable E-UTRA capability when attach attempt counter or tracking area updating attempt counter is equal to 5.
67	Support reporting of affected NR carrier frequencies in IDC assistance information as specified in TS 38.331 [9]	38.306, 4.2.2	Rel-16	pc_inDeviceCoexistence_r16	No		
68	Support of extended DRX in RRC_INACTIVE with values of 256, 512 and 1024 radio frames	38.306 4.2.6	Rel-17	pc_extendedDRX_CycleInactive_r17	No		The UE may indicate support of this capability only if it supports extended DRX in RRC_IDLE.
69	supports of extended DRX in RRC_INACTIVE with values above 1024 radio frames	38.306 4.2.6	Rel-18	pc_extendedDRX_CycleInactive_r18	No		The UE may indicate support of this capability only if it supports extended DRX in RRC_IDLE.
70	Support of UE reporting of affected NR carrier frequency ranges in IDC assistance information	38.306, 4.2.2	Rel-18	pc_inDeviceCoexistenceFDM_r18	No		A UE supporting this PICS shall also support pc_inDeviceCoexistence_r16
71	Support of electronic or mechanical steering antenna type for VSAT UE	38.306 4.2.2	Rel-18	pc_ntn_VSAT_AntennaType_r18	No		A UE supporting this feature shall also indicate the support of nonTerrestrialNetwork-r17. FR2 only

72	Support of mobile or fixed VSAT	38.306 4.2.2	Rel-18	pc_ntn_VSAT_mobilityType_r18	No		A UE supporting this feature shall also indicate the support of nonTerrestrialNetwork-r17. FR2 only
73	Support of hard satellite switch with re-sync	38.306 4.2.2	Rel-18	pc_hardSatelliteSwitchResyncNTN_r18	No		A UE supporting this feature shall also indicate the support of nonTerrestrialNetwork-r17. When UE supports this feature and does not support softSatelliteSwitchResyncNTN-r18, this UE is able to perform hard satellite switch with re-sync in a network supporting soft satellite switch with re-sync
74	Support of soft satellite switch with re-sync	38.306 4.2.2	Rel-18	pc_softSatelliteSwitchResyncNTN_r18	No		A UE supporting this feature shall also indicate support of hardSatelliteSwitchResyncNTN-r18.
75	Support of reception of SIB19 to acquire satellite assistance information for NTN access	38.306 4.2.2	Rel-18	pc_sib19_Support_r18	No		A UE supporting this feature shall also indicate the support of nonTerrestrialNetwork-r17.
76	Support of UE reporting of IDC TDM assistance information	38.306, 4.2.2	Rel-18	pc_inDeviceCoexistenceTDM_r18	No		A UE supporting this feature shall also support pc_inDeviceCoexistenceFDM_r18

77	Supports of sending UE assistance information with UL traffic information, including at least one of jitter range, burst arrival time, data burst periodicity and PDU Set and PSI identification	38.306 4.2.2	Rel-18	pc_ul_TrafficInfo_r18	No		
78	Support of equivalent SNPNs for cell (re)selection	38.306 5.4	Rel-18	pc_equivalentSNPN	No		
79	Support access to an SNPN providing access for localized services in SNPN	23.122 3.9 23.501 Annex N	Rel-18	pc_localizedService_SNP_r18	No		
80	Support of being configured for Satellite Disabling Allowed for 5GMM cause #15	24.501, 5.5.1.2.5, 5.5.1.3.5	Rel-18	pc_satellite_disabling_allowed_5GMM_CC_15	No		A UE supporting this feature shall also indicate the support of nonTerrestrialNetwork-r17.
81	Support of cell reselection from TN to NTN	38.306, 5.6	Rel-18	pc_reselection_TN NTN_r18	No		A UE supporting this feature shall also indicate the support of nonTerrestrialNetwork-r17.

A.4.3.8 Mobility Capabilities

Table A.4.3.8-1: UE Mobility Capabilities

Item	UE Mobility Capabilities	Ref.	Release	Mnemonic	M	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Comments
1	Support inter-RAT Handover to EUTRA connected to EPC	38.306, 4.2.9	Rel-15	pc_interRAT_EUTRA_Handover	Yes		
2	Support inter-frequency Handover from the corresponding duplex mode or from the corresponding frequency range.	38.306, 4.2.9	Rel-15	pc_handoverInterF	Yes		
3	Support Handover between FR1 and FR2	38.306, 4.2.9	Rel-15	pc_FR1toFR2_Handover	Yes		
4	Support Handover between FDD and TDD	38.306, 4.2.9	Rel-15	pc_FDDtoTDD_Handover	Yes		
5	Support inter-RAT Handover to E-UTRA connected to 5GC	38.306, 4.2.9	Rel-15	pc_interRAT_eLTE_Handover	Yes		
6	Support inter-RAT Handover to NR FR1 TDD from EUTRA connected to EPC	36.306, 4.3.34.9	Rel-15	pc_eutra_EPC_HO_ToNR_TDD_FR1_r15	Yes		
7	Support inter-RAT Handover to NR FR1 FDD from EUTRA connected to EPC	36.306, 4.3.34.8	Rel-15	pc_eutra_EPC_HO_ToNR_FDD_FR1_r15	Yes		
8	Support inter-RAT Handover to NR FR2 TDD from EUTRA connected to EPC	36.306, 4.3.34.11	Rel-15	pc_eutra_EPC_HO_ToNR_TDD_FR2_r15	Yes		
9	Support intra-frequency DAPS handover	38.306, 4.2.7.5	Rel-16	pc_intraFreqDAPS_r16	No		It is mandated if the UE supports asynchronous intra-frequency DAPS handover
10	Support inter-RAT Handover from NR to EN-DC	38.306, 4.2.10	Rel-16	pc_interRAT_NR_ToENDC	CY		It is mandated if the UE supports EN-DC.
11	Support conditional handover	38.306, 4.2.7.2	Rel-16	pc_condHandover_r16	No		
12	Support conditional handover during re-establishment procedure when the selected cell is configured as candidate cell for condition handover	38.306, 4.2.7.2	Rel-16	pc_condHandoverFailure_r16	No		
13	Support 2 trigger events for same execution condition of conditional handover	38.306, 4.2.7.2	Rel-16	pc_condHandoverTwoTriggerEvents_r16	CY		It is mandated if the UE supports <i>condHandover-r16</i> .
14	Support inter-RAT Handover from NR to UTRA-FDD CELL_DCH CS	38.306, 4.2.9	Rel-16	pc_handoverUTRA_FDD_r16	No		

15	Support inter-frequency DAPS handover	38.306, 4.2.7.4	Rel-16	pc_interFreqDAPS_ r16	No		It is mandated if the UE supports asynchronous inter-frequency DAPS handover or supports different SCSs in source PCell and inter-frequency target PCell in DAPS handover
16	UE supports asynchronous intra-frequency DAPS handover	38.306, 4.2.7.5	Rel-16	pc_intraFreqAsync DAPS_r16	No		
17	UE supports asynchronous inter-frequency DAPS handover	38.306, 4.2.7.5	Rel-16	pc_interFreqAsync DAPS_r16	No		
18	UE supports different SCSs in source PCell and inter-frequency target PCell in DAPS handover	38.306, 4.2.7.5	Rel-16	pc_inteFreqDiffSCS_ DAPS_r16	No		
19	Support conditional PSCell change	38.306, 4.2.7.2	Rel-16	pc_condPSCellCha nge_r16	No		
20	Support handover from 5GS to EPC/ePDG	24.302, 7.2.2.1	Rel-15	pc_HO_from_5GS_ to_EPC_ePDG	No		
21	Support handover from EPC/ePDG to 5GS	23.502, 4.11.4.1	Rel-15	pc_HO_from_EPC_ ePDG_to_5GS	No		
22	Support Handover from EPS to 5GC-N3IWF	23.502, 4.11.3.1	Rel-15	pc_HO_from_EPS_ to_5GC_N3IWF	No		
23	Support Handover from 5GC-N3IWF to EPS	23.502, 4.11.3.2	Rel-15	pc_HO_from_5GC_ N3IWF_to_EPS	No		
24	Support Handover of a PDU Session procedure from untrusted non-3GPP to 3GPP access	23.502, 4.9.2.1	Rel-15	pc_HO_from_5GC_ N3IWF_to_5GC	No		
25	Support Handover of a PDU Session procedure from 3GPP to untrusted non-3GPP access	23.502, 4.9.2.2	Rel-15	pc_HO_from_5GC_ to_5GC_N3IWF	No		

26	Supports location based conditional handover, i.e., CondEvent D1	38.306, 4.2.7.2	Rel-17	pc_locationBasedCondHandover_r17	No		A UE supporting this feature shall also indicate the support of condHandover-r16 for NTN bands and the support of nonTerrestrialNetwork-r17. UE shall set the capability value consistently for all FDD-FR1 NTN bands.
27	Support time based conditional handover, i.e., CondEvent T1	38.306, 4.2.7.2	Rel-17	pc_timeBasedCondHandover_r17	No		A UE supporting this feature shall also indicate the support of condHandover-r16 for NTN bands and the support of nonTerrestrialNetwork-r17. UE shall set the capability value consistently for all FDD-FR1 NTN bands.

28	Support of MN initiated conditional PSCell change in NR-DC	38.306, 4.2.7.2	Rel-17	pc_mn_InitiatedCon dPSCellChangeNR DC_r17	No		A UE supporting this feature shall also support 2 trigger events for same execution condition in MN initiated conditional PSCell change in NR-DC. UE shall set the capability value consistently for all FDD-FR1 bands, all TDD-FR1 bands and all TDD-FR2 bands respectively.
29	Support of MN initiated conditional PSCell change within all supported FR1-FDD bands in EN-DC	38.306, 4.2.9a	Rel-17	pc_mn_InitiatedCon dPSCellChange_FR 1FDD_ENDC_r17	No		The UE supporting this feature shall also support 2 trigger events for same execution condition in MN initiated conditional PSCell change in EN-DC.
30	Support of MN initiated conditional PSCell change within all supported FR1-TDD bands in EN-DC	38.306, 4.2.9a	Rel-17	pc_mn_InitiatedCon dPSCellChange_FR 1TDD_ENDC_r17	No		The UE supporting this feature shall also support 2 trigger events for same execution condition in MN initiated conditional PSCell change in EN-DC.

31	Support of MN initiated conditional PSCell change within all supported FR2-TDD bands in EN-DC	38.306, 4.2.9a	Rel-17	pc_mn_InitiatedConditionalPSCellChange_FR2TDD_ENDC_r17	No		The UE supporting this feature shall also support 2 trigger events for same execution condition in MN initiated conditional PSCell change in EN-DC.
32	Support of SN initiated conditional PSCell change in NR-DC	38.306, 4.2.7.2	Rel-17	pc_sn_InitiatedConditionalPSCellChangeNRDC_r17	No		Indicates whether the UE supports SN initiated inter-SN conditional PSCell change in NR-DC, which is configured by NR conditionalReconfiguration using SN configured measurement as triggering condition. The UE supporting this feature shall also support 2 trigger events for same execution condition in SN initiated inter-SN conditional PSCell change in NR-DC. UE shall set the capability value consistently for all FDD-FR1 bands, all TDD-FR1 bands and all TDD-FR2 bands respectively.

33	Support of SN initiated conditional PSCell change within all supported FR1-FDD bands in EN-DC	38.306, 4.2.9a	Rel-17	pc_sn_InitiatedConditionalPSCellChange_FR1FDD_ENDC_r17	No		Indicates whether the UE supports SN initiated inter-SN conditional PSCell change within all supported FR1-FDD bands in EN-DC, which is configured by E-UTRA conditionalReconfiguration field using SN configured measurement as triggering condition.
34	Support of SN initiated conditional PSCell change within all supported FR1-TDD bands in EN-DC	38.306, 4.2.9a	Rel-17	pc_sn_InitiatedConditionalPSCellChange_FR1TDD_ENDC_r17	No		Indicates whether the UE supports SN initiated inter-SN conditional PSCell change within all supported FR1-TDD bands in EN-DC, which is configured by E-UTRA conditionalReconfiguration field using SN configured measurement as triggering condition.

35	Support of SN initiated conditional PSCell change within all supported FR2-TDD bands in EN-DC	38.306, 4.2.9a	Rel-17	pc_sn_InitiatedConditionalPSCellChange_FR2TDD_ENDC_r17	No		Indicates whether the UE supports SN initiated inter-SN conditional PSCell change within all supported FR2-TDD bands in EN-DC, which is configured by E-UTRA conditionalReconfiguration field using SN configured measurement as triggering condition.
36	Supports Event A4 based conditional handover in NTN bands, i.e., CondEvent A4	38.306, 4.2.7.2	Rel-17	pc_eventA4BasedConditionalHandover_r17	No		A UE supporting this feature shall also indicate the support of condHandover-r16 for NTN bands and the support of nonTerrestrialNetwork-r17. UE shall set the capability value consistently for all FDD-FR1 NTN bands.
37	Support conditional handover with candidate SCG, where conditional NR PSCell change is supported for FDD-FR1 bands, TDD-FR1 bands, TDD-FR2-1 bands and TDD-FR2-2 bands	38.306, 4.2.7.2	Rel-18	pc_condHandoverWithCandSCG_change_r18	No		The UE indicating support of this feature shall also indicate the support of condHandover-r16 and support of at least one NR-DC band combination.

38	Support conditional handover with candidate NR PSCell addition	38.306, 4.2.9a	Rel-18	pc_condHandoverWithCandSCG_Addition_r18	No		The UE indicating support of this feature shall also indicate the support of condHandover-r16 and support of at least one NR-DC band combination.
39	Support conditional handover with candidate SCG, where conditional NR PSCell change is supported between FDD and TDD	38.306, 4.2.9a	Rel-18	pc_condHandoverWithCandSCG_FDD_TDD_change_r18	No		The parameter can only be set if condHandoverWithCandSCG-change-r18 is set for both FDD and TDD.
40	Support conditional handover with candidate SCG, where conditional NR PSCell change is supported between FR1 and FR2	38.306, 4.2.9a	Rel-18	pc_condHandoverWithCandSCG_FR1_FR2_change_r18	No		The parameter can only be set if condHandoverWithCandSCG-change-r18 is set for both FR1 and FR2.
41	Support Subsequent CPAC for MN initiated subsequent conditional PSCell change or addition in NR-DC, which is configured by NR conditionalReconfiguration using MN configured measurement as the initial triggering condition and using candidate SN configured measurement as the following triggering condition	38.306, 4.2.9a	Rel-18	pc_mn_ConfiguredMN_TriggerSCPAC_r18	No		The parameter can only be set if sn-InitiatedCondPSCellChangeNRDC-r17, mn-InitiatedCondPSCellChangeNRDC-r17 and condPSCellAdditionNRDC-r17 are supported.

42	Support Subsequent CPAC for MN initiated subsequent conditional PSCell change or addition in NR-DC, which is configured by NR conditionalReconfiguration using MN configured measurement as the initial triggering condition and using candidate SN configured measurement as the following triggering condition, after the SCG from a previous SCPAC configuration is released	38.306, 4.2.9a	Rel-18	pc_mn_ConfiguredMN_TriggerSCPAC_afterSCG_release_r18	No		A UE indicating support for this feature shall indicate support of mn-ConfiguredMN-TriggerSCPAC-r18.
43	Support reference configuration for mn-ConfiguredMN-TriggerSCPAC-r18 and mn-ConfiguredSN-TriggerSCPAC-r18	38.306, 4.2.9a	Rel-18	pc_mn_ConfiguredReferenceConfigSCPAC_r18	No		
44	Support Subsequent CPAC as defined in TS 38.331 [9] for initial MN configured subsequent conditional PSCell change in NR-DC, which is configured by NR conditionalReconfiguration using SN configured measurement as the initial triggering condition	38.306, 4.2.9a	Rel-18	pc_mn_ConfiguredSN_TriggerSCPAC_r18	No		The parameter can only be set if sn-InitiatedCondPSCellChangeNRDC-r17 is supported.
45	Support reference configuration for sn-Configured-SCPAC-r18	38.306, 4.2.9a	Rel-18	pc_sn_ConfiguredReferenceConfigSCPAC_r18	No		
46	Support Subsequent CPAC for SN configured subsequent conditional PSCell change (intra-SN) in NR-DC	38.306, 4.2.9a	Rel-18	pc_sn_ConfiguredSCPAC_r18	No		The parameter can only be set if condPSCellChange-r16 is supported.
47	Support inter-frequency DAPS handover on intra-band contiguous BC	38.306, 4.2.7.4	Rel-16	pc_interFreqDAPS_on_intraband_contiguous_BC	No		If UE supports interFreqDAPS on intraband contiguous BC, it is set to true.
48	Support inter-frequency DAPS handover on intra-band non-contiguous BC	38.306, 4.2.7.4	Rel-16	pc_interFreqDAPS_on_intraband_noncontiguous_BC	No		If UE supports interFreqDAPS on intraband noncontiguous BC, it is set to true.

49	Supports location based conditional handover, i.e., CondEvent D2	38.306, 4.2.7.2	Rel-18	pc_locationBasedConditionalHandoverEMC_r18	No		A UE supporting this feature shall also indicate the support of condHandover-r16 for NTN bands and the support of nonTerrestrialNetwork-r17. UE shall set the capability value consistently for all FDD-FR1 NTN bands and all FDD-FR2 NTN bands respectively.
50	Supports location-based triggered measurement reporting for an NTN Earth-moving cell, i.e., event D2	38.306, 4.2.9	Rel-18	pc_eventD2_MeasReportTrigger_r18	CY		It is mandated if the UE supports locationBasedConditionalHandoverEMC-r18 in any NTN band.
51	Support of ntn-NeighbourCellInfo-r18	38.306, 4.2.9	Rel-18	pc_ntn_neighbourcellInfosupport_r18	No		A UE supporting this feature shall also indicate the support of nonTerrestrialNetwork-r17.
52	Support conditional handover with NR SCG configuration for NR-DC. The UE indicating support of this feature shall also indicate the support of <i>condHandover-r16</i> and support of at least one NR-DC band combination.	38.306, 4.2.9	Rel-17	pc_condHandoverWithSCG_NRDC_r17	No		
53	Support location based conditional handover, i.e., CondEvent D1, CondEvent A3, CondEvent A4 and CondEvent A5	38.306, 4.2.7.2	Rel-18	pc_locationBasedConditionalHandoverATG_r18	No		A UE supporting this feature shall also indicate the support of condHandover-r16 for bands as specified for ATG and the support of airToGroundNetwork-r18

54	Support of RACH-less Handover with configured grant (rach-LessHandoverCG-r18)	38.306, 4.2.7.2	Rel-18	pc_rach_less_HO_CG_r18	No		For NTN, UE shall set this capability consistently for all FDD-FR1 NTN bands.
55	Support of RACH-less Handover with dynamic grant (rach-LessHandoverDG-r18)	38.306, 4.2.7.2	Rel-18	pc_rach_less_HO_DG_r18	No		For NTN, UE shall set this capability consistently for all FDD-FR1 NTN bands.

A.4.3.9 Additional capabilities for UE declared capability

Table A.4.3.9-1: UE declared capabilities

Item	UE declared capabilities	Ref.	Release	Mnemonic	Comments
1	Enhanced Type 1 Receiver for NR	38.101-4, 5	Rel-15	pc_nr_enh_type1_receiver	Support for Enhanced Type 1 Receiver (SU-MIMO Interference Mitigation advanced receiver)
2	Vehicular UE	38.101-1, 3	Rel-15	pc_nr_vehicular_ue	
3	MMSE-IRC (Minimum Mean Square Error - Interference Rejection Combining) receiver	38.101-4, 5	Rel-15	pc_nr_mmse_irc_receiver	Support of MMSE-IRC processing for scenarios with inter-cell and intra-cell inter-user interference.
4	Baseline SU-MIMO 8Rx receiver	38.306, 5.2	Rel-17	pc_baseline_su-mimo_8rx_receiver	Support of 8Rx receivers for SU-MIMO transmissions with support of up to 8 layers with joint 8Rx MIMO detector in FR1
5	Simplified SU-MIMO 8Rx receiver	38.306, 5.2	Rel-17	pc_simplified_su-mimo_8rx_receiver	Support of 8Rx receivers for SU-MIMO transmissions with support of up to 4 layers with two joint 4Rx MIMO detectors in FR1
6	PDSCH absolute physical layer throughput requirements with link adaptation	38.101-4, 5.6 38.307, 5.4	Rel-17	pc_pdsch_phy_link_adaptation	Support of PDSCH absolute physical layer throughput requirements with link adaptation (Optional for Rel-17 UEs)
7	Enhanced Type 2 Receiver Type 2-2a	38.101-4, 3 38.306, 5.2	Rel-18	pc_nr_enh_type2_2a_receiver	Support of R-ML (reduced complexity ML) receivers with enhanced inter-user interference suppression for MU-MIMO for 2 layers across target and co-scheduled UEs with 2RX and 4RX in FR1.

8	Enhanced Type 2 Receiver Type 2-2b	38.101-4, 3 38.306, 5.2	Rel-18	pc_nr_enh_type2_2b_receiver	Support of R-ML receivers with enhanced inter-user interference suppression for MU-MIMO for 2 layers across target and co-scheduled UEs with 2RX and maxNumberMIMO-LayersPDSCH layers across target and co-scheduled UEs with 4RX in FR1.
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Table A.4.3.9-2: UE declared multi-band peak EIRP relaxation factors for Rel-15 FR2 power class 3 UE

Item	Supported FR2 bands set	Ref.	Release	peak EIRP relaxation factor per band, MB _p (dB) (Note 1) n257	peak EIRP relaxation factor per band, MB _p (dB) (Note 1) n258	peak EIRP relaxation factor per band, MB _p (dB) (Note 1) n260	peak EIRP relaxation factor per band, MB _p (dB) (Note 1) n261	Maximum sum of MB _p , $\sum$ MB _p (dB) (Note 2)	Comments
1	n257, n258	38.101-2, 6.2.1.3	Rel-15			N/A	N/A	1.3	
2	n257, n260	38.101-2, 6.2.1.3	Rel-15		N/A		N/A	1.0	
3	n258, n260	38.101-2, 6.2.1.3	Rel-15	N/A			N/A	1.0	
4	n258, n261	38.101-2, 6.2.1.3	Rel-15	N/A		N/A		1.0	
5	n260, n261	38.101-2, 6.2.1.3	Rel-15	N/A	N/A			0.0	No relaxation factor allowed
6	n257, n258, n260	38.101-2, 6.2.1.3	Rel-15				N/A	1.7	
7	n257, n258, n261	38.101-2, 6.2.1.3	Rel-15			N/A		1.7	
8	n257, n260, n261	38.101-2, 6.2.1.3	Rel-15		N/A			0.5	
9	n258, n260, n261	38.101-2, 6.2.1.3	Rel-15	N/A				1.5	
10	n257, n258, n260, n261	38.101-2, 6.2.1.3	Rel-15					1.7	
11	n257, n261	38.101-2, 6.2.1.3	Rel-15		N/A	N/A		0.0	No relaxation factor allowed
Note 1: UE vendor to fill in the needed relaxation factor per band that is ≥ 0 for Rel-15 UE supporting only Rel-15 FR2 bands. One row to be filled in, the one matching the supported FR2 bands of the UE as declared in Table A.4.3.1-3.									
Note 2: Max allowed sum of MB _p over all supported FR2 bands as defined in TS 38.521-2 clause 6.2.1.1.3.3									

Table A.4.3.9-3: UE declared multi-band peak EIRP Spherical coverage relaxation factors for Rel-15 FR2 power class 3 UE

Item	Supported FR2 bands set	Ref.	Release	EIRP Spherical coverage relaxation factor per band, MBs (dB) (Note 1) n257	EIRP Spherical coverage relaxation factor per band, MBs (dB) (Note 1) n258	EIRP Spherical coverage relaxation factor per band, MBs (dB) (Note 1) n260	EIRP Spherical coverage relaxation factor per band, MBs (dB) (Note 1) n261	Maximum sum of MBs, $\sum$ MBs (dB) (Note 2)	Comments
1	n257, n258	38.101-2, 6.2.1.3	Rel-15			N/A	N/A	1.25	
2	n257, n260	38.101-2, 6.2.1.3	Rel-15		N/A		N/A	0.75	Maximum 0.4 dB relaxation allowed for n260
3	n258, n260	38.101-2, 6.2.1.3	Rel-15	N/A			N/A	0.75	Maximum 0.4 dB relaxation allowed for n260
4	n258, n261	38.101-2, 6.2.1.3	Rel-15	N/A		N/A		1.25	
5	n260, n261	38.101-2, 6.2.1.3	Rel-15	N/A	N/A			0.75	No relaxation allowed for n260
6	n257, n258, n260	38.101-2, 6.2.1.3	Rel-15				N/A	1.75	Maximum 0.4 dB relaxation allowed for n260
7	n257, n258, n261	38.101-2, 6.2.1.3	Rel-15			N/A		1.75	
8	n257, n260, n261	38.101-2, 6.2.1.3	Rel-15		N/A			1.25	Maximum 0.4 dB relaxation allowed for n260
9	n258, n260, n261	38.101-2, 6.2.1.3	Rel-15	N/A				1.25	Maximum 0.4 dB relaxation allowed for n260
10	n257, n258, n260, n261	38.101-2, 6.2.1.3	Rel-15					1.75	Maximum 0.4 dB relaxation allowed for n260
11	n257, n261	38.101-2, 6.2.1.3	Rel-15		N/A	N/A		0.0	No relaxation factor allowed
Note 1: UE vendor to fill in the needed relaxation factor per band that is ≥ 0 for Rel-15 UE supporting only Rel-15 FR2 bands. One row to be filled in, the one matching the supported FR2 bands of the UE as declared in Table A.4.3.1-3									
Note 2: Max allowed sum of MBs over all supported FR2 bands as defined in TS 38.521-2 clause 6.2.1.1.3.3									

Table A.4.3.9-4a: FDD 4 Rx antenna ports Capabilities

Item	Band	Ref.	Release	Comments
1	FDD Band n1	38.101-1, 7.3.2	Rel-15	
2	FDD Band n2	38.101-1, 7.3.2	Rel-15	
3	FDD Band n3	38.101-1, 7.3.2	Rel-15	
...				
5	FDD Band n5	38.101-1, 7.3.2	Rel-18	4 Rx operation is supported by handheld UE 4 Rx operation is supported by FWA form factor
...				
7	FDD Band n7	38.101-1, 7.3.2	Rel-15	NOTE 2
8	FDD Band n8	38.101-1, 7.3.2	Rel-17	4 Rx operation is supported by FWA form factor
			Rel-18	4 Rx operation is supported by handheld UE
...				
13	FDD Band n13	38.101-1, 7.3.2	Rel-18	4 Rx operation is supported by FWA form factor
...				
20	FDD Band n20	38.101-1, 7.3.2	Rel-18	4 Rx operation is supported by handheld UE
...				
25	FDD Band n25	38.101-1, 7.3.2	Rel-18	
26	FDD Band n26	38.101-1, 7.3.2	Rel-18	4 Rx operation is supported by FWA form factor
			Rel-18	4 Rx operation is supported by handheld UE
...				
28	FDD Band n28	38.101-1, 7.3.2	Rel-16	4 Rx operation is supported by FWA form factor
			Rel-18	4 Rx operation is supported by handheld UE
...				
30	FDD Band n30	38.101-1, 7.3.2	Rel-16	
...				
66	FDD Band n66	38.101-1, 7.3.2	Rel-15	
...				
70	FDD Band n70	38.101-1, 7.3.2	Rel-15	
71	FDD Band n71	38.101-1, 7.3.2	Rel-16	4 Rx operation is supported by FWA form factor
			Rel-18	4 Rx operation is supported by handheld UE
...				
85	FDD Band n85	38.101-1, 7.3.2	Rel-18	4 Rx operation is supported by FWA form factor

...				
105	FDD Band n105	38.101-1, 7.3.2	Rel-18	4 Rx operation is supported by FWA form factor
NOTE 1: At least one band from those listed in the present table needs to be supported if UE has indicated support of the capability defined in Table A.4.3.1-7a/2.				
NOTE 2: Support of 4 Rx for this band is mandatory for non-vehicular UEs i.e. if support has NOT been indicated to the capability specified in Table A.4.3.9-1/2.				

Table A.4.3.9-4b: TDD 4 Rx antenna ports Capabilities

Item	Band	Ref.	Release	Comments
34	TDD Band n34	38.101-1, 7.3.2	Rel-15	
...				
38	TDD Band n38	38.101-1, 7.3.2	Rel-15	NOTE 2
39	TDD Band n39	38.101-1, 7.3.2	Rel-15	
...				
40	TDD Band n40	38.101-1, 7.3.2	Rel-15	
41	TDD Band n41	38.101-1, 7.3.2	Rel-15	NOTE 2
...				
48	TDD Band n48	38.101-1, 7.3.2	Rel-16	NOTE 2
...				
77	TDD Band n77	38.101-1, 7.3.2	Rel-15	NOTE 2
78	TDD Band n78	38.101-1, 7.3.2	Rel-15	NOTE 2
79	TDD Band n79	38.101-1, 7.3.2	Rel-15	NOTE 2
104	TDD Band n104	38.101-1, 7.3.2	Rel-17	NOTE 2
NOTE 1: At least one band from those listed in the present table needs to be supported if UE has indicated support of the capability defined in Table A.4.3.1-7a/3.				
NOTE 2: Support of 4 Rx for this band is mandatory for non-vehicular UEs i.e. if support has NOT been indicated to the capability specified in Table A.4.3.9-1/2.				

Table A.4.3.9-4c: 2 Rx antenna ports Capabilities

Item	Band	Ref.	Comments
1	FDD Band n1	38.101-1, 7.3.2	
2	FDD Band n2	38.101-1, 7.3.2	
3	FDD Band n3	38.101-1, 7.3.2	
4	FDD Band n5	38.101-1, 7.3.2	
5	FDD Band n7	38.101-1, 7.3.2	NOTE 2
6	FDD Band n8	38.101-1, 7.3.2	
7	FDD Band n12	38.101-1, 7.3.2	
7a	FDD Band n13	38.101-1, 7.3.2	
7b	FDD Band n14	38.101-1, 7.3.2	
8	FDD Band n20	38.101-1, 7.3.2	
8d	FDD Band n24	38.101-1, 7.3.2	
9	FDD Band n25	38.101-1, 7.3.2	
9a	FDD Band n26	38.101-1, 7.3.2	
10	FDD Band n28	38.101-1, 7.3.2	
10a	SDL Band n29	38.101-1, 7.3.2	
10b	FDD Band n30	38.101-1, 7.3.2	
10c	FDD Band n31	38.101-1, 7.3.2	
11	TDD Band n34	38.101-1, 7.3.2	
12	TDD Band n38	38.101-1, 7.3.2	NOTE 2
13	TDD Band n39	38.101-1, 7.3.2	
14	TDD Band n40	38.101-1, 7.3.2	
15	TDD Band n41	38.101-1, 7.3.2	NOTE 2
16	TDD Band n48	38.101-1, 7.3.2	
17	TDD Band n50	38.101-1, 7.3.2	
18	TDD Band n51	38.101-1, 7.3.2	
18a	Reserved		
18b	TDD Band n53	38.101-1, 7.3.2	
18c	TDD Band n54	38.101-1, 7.3.2	
19	FDD Band n65	38.101-1, 7.3.2	
20	FDD Band n66	38.101-1, 7.3.2	
21	FDD Band n70	38.101-1, 7.3.2	
22	FDD Band n71	38.101-1, 7.3.2	
22a	FDD Band n72	38.101-1, 7.3.2	
23	FDD Band n74	38.101-1, 7.3.2	
24	TDD Band n77	38.101-1, 7.3.2	NOTE 2
25	TDD Band n78	38.101-1, 7.3.2	NOTE 2
26	TDD Band n79	38.101-1, 7.3.2	NOTE 2
26f	FDD Band n85	38.101-1, 7.3.2	
27	FDD Band n91	38.101-1, 7.3.2	
28	FDD Band n92	38.101-1, 7.3.2	
29	FDD Band n93	38.101-1, 7.3.2	
30	FDD Band n94	38.101-1, 7.3.2	
31	FDD Band n100	38.101-1, 7.3.2	

32	TDD Band n101	38.101-1, 7.3.2	
32a	Reserved		
32b	Reserved		
32c	TDD Band n104	38.101-1, 7.3.2	
32d	FDD Band n105	38.101-1, 7.3.2	
33	FDD Band n106	38.101-1, 7.3.2	
34	FDD Band n109	38.101-1, 7.3.2	
NOTE 1: At least one band from those listed in the present table needs to be supported if UE has indicated support of the capability defined in Table A.4.3.1-7a/1.			
NOTE 2: Support of 2 Rx for this band is allowed only for vehicular UEs i.e. if support has been indicated to the capability specified in Table A.4.3.9-1/2.			

Table A.4.3.9-4d: Enhanced transient capabilities

Item	Band	Ref	Release	enhanced transient capability per band 2us	enhanced transient capability per band 4us	enhanced transient capability per band 7us	Comments
1	FDD Band n1	38.101-1, 6.4.2.1a	Rel-16				
2	FDD Band n2	38.101-1, 6.4.2.1a	Rel-16				
3	FDD Band n3	38.101-1, 6.4.2.1a	Rel-16				
4	FDD Band n5	38.101-1, 6.4.2.1a	Rel-16				
5	FDD Band n7	38.101-1, 6.4.2.1a	Rel-16				
6	FDD Band n8	38.101-1, 6.4.2.1a	Rel-16				
7	FDD Band n12	38.101-1, 6.4.2.1a	Rel-16				
7a	FDD Band n13	38.101-1, 6.4.2.1a	Rel-16				
8	FDD Band n14	38.101-1, 6.4.2.1a	Rel-16				
9	FDD Band n20	38.101-1, 6.4.2.1a	Rel-16				
10	FDD Band n24	38.101-1, 6.4.2.1a	Rel-16				
11	FDD Band n25	38.101-1, 6.4.2.1a	Rel-16				
12	FDD Band n26	38.101-1, 6.4.2.1a	Rel-16				
13	FDD Band n28	38.101-1, 6.4.2.1a	Rel-16				
14	FDD Band n30	38.101-1, 6.4.2.1a	Rel-16				
15	TDD Band n34	38.101-1, 6.4.2.1a	Rel-16				
16	TDD Band n38	38.101-1, 6.4.2.1a	Rel-16				
17	TDD Band n39	38.101-1, 6.4.2.1a	Rel-16				
18	TDD Band n40	38.101-1, 6.4.2.1a	Rel-16				
19	TDD Band n41	38.101-1, 6.4.2.1a	Rel-16				
20	TDD Band n46	38.101-1, 6.4.2.1a	Rel-16				
21	TDD Band n48	38.101-1, 6.4.2.1a	Rel-16				
22	TDD Band n50	38.101-1, 6.4.2.1a	Rel-16				
23	TDD Band n51	38.101-1, 6.4.2.1a	Rel-16				
24	TDD Band n53	38.101-1, 6.4.2.1a	Rel-16				
25	FDD Band n65	38.101-1, 6.4.2.1a	Rel-16				
26	FDD Band n66	38.101-1, 6.4.2.1a	Rel-16				
27	FDD Band n70	38.101-1, 6.4.2.1a	Rel-16				
28	FDD Band n71	38.101-1, 6.4.2.1a	Rel-16				
29	FDD Band n74	38.101-1, 6.4.2.1a	Rel-16				
30	TDD Band n77	38.101-1, 6.4.2.1a	Rel-16				
31	TDD Band n78	38.101-1, 6.4.2.1a	Rel-16				
32	TDD Band n79	38.101-1, 6.4.2.1a	Rel-16				
32f	FDD Band n85	38.101-1, 6.4.2.1a	Rel-16				
33	TDD Band n96	38.101-1, 6.4.2.1a	Rel-16				
33f	TDD Band n104	38.101-1, 6.4.2.1a	Rel-17				
34	TDD Band n105	38.101-1, 6.4.2.1a	Rel-18				

NOTE 1: At least one band from those listed in the present table needs to be supported with enhanced transient capability of 2us, 4us or 7us if UE has indicated support of the capability defined in Table A.4.3.2-1/79.

NOTE 2: Indicate transient capability for each band by ticking the cell corresponding to the smallest enhanced transient capability that the UE supports for that band.

Table A.4.3.9-4e: 1 Rx antenna ports Capabilities

Item	Band	Ref.	Comments
1	FDD Band n1	38.101-1, 7.31.2	
2	FDD Band n2	38.101-1, 7.31.2	
3	FDD Band n3	38.101-1, 7.31.2	
4	FDD Band n5	38.101-1, 7.31.2	
5	FDD Band n8	38.101-1, 7.31.2	
6	FDD Band n12	38.101-1, 7.31.2	
7	FDD Band n13	38.101-1, 7.31.2	
8	FDD Band n14	38.101-1, 7.31.2	
9	FDD Band n18	38.101-1, 7.31.2	
10	FDD Band n20	38.101-1, 7.31.2	
11	FDD Band n24	38.101-1, 7.31.2	
12	FDD Band n25	38.101-1, 7.31.2	
13	FDD Band n26	38.101-1, 7.31.2	
14	FDD Band n28	38.101-1, 7.31.2	
15	FDD Band n30	38.101-1, 7.31.2	
16	TDD Band n34	38.101-1, 7.31.2	
17	TDD Band n39	38.101-1, 7.31.2	
18	TDD Band n40	38.101-1, 7.31.2	
19	TDD Band n50	38.101-1, 7.31.2	
20	TDD Band n51	38.101-1, 7.31.2	
21	TDD Band n53	38.101-1, 7.31.2	
21a	TDD Band n54	38.101-1, 7.31.2	
22	FDD Band n65	38.101-1, 7.31.2	
23	FDD Band n66	38.101-1, 7.31.2	
24	FDD Band n70	38.101-1, 7.31.2	
25	FDD Band n71	38.101-1, 7.31.2	
26	FDD Band n74	38.101-1, 7.31.2	
27	FDD Band n85	38.101-1, 7.31.2	
28	FDD Band n91	38.101-1, 7.31.2	
29	FDD Band n92	38.101-1, 7.31.2	
30	FDD Band n93	38.101-1, 7.31.2	
31	FDD Band n94	38.101-1, 7.31.2	
32	FDD Band n100	38.101-1, 7.31.2	NOTE 2
33	TDD Band n101	38.101-1, 7.31.2	
34	Void		
35	TDD Band n41	38.101-1, 7.31.2	
36	TDD Band n77	38.101-1, 7.31.2	
37	TDD Band n78	38.101-1, 7.31.2	
NOTE 1: At least one band from those listed in the present table needs to be supported if UE has indicated support of the capability defined in Table A.4.3.1-7a/4.			
NOTE 2: HD-FDD is not supported.			

Table A.4.3.9-4f: 8 Rx antenna ports Capabilities

Item	Band	Ref.	Release	Comments
...				
77	TDD Band n77	38.101-1, 7.3.2	Rel-17	
78	TDD Band n78	38.101-1, 7.3.2	Rel-17	
...				
NOTE 1: At least one band from those listed in the present table needs to be supported if UE has indicated support of the capability defined in Table A.4.3.1-7a/5.				

Table A.4.3.9-5: Beam Peak Search Vendor Declarations with respect to test frequency range for single CC

Item	Band	Intent	Ref.	Release	Comments
1	n257	n257 single CC beam peak is leveraged from mid to low and high channels	38.521-2, K.1.1 & K.1.2	Rel-15	NOTE 1
2	n258	n258 single CC beam peak is leveraged from mid to low and high channels	38.521-2, K.1.1 & K.1.2	Rel-15	NOTE 1.
3	n260	n260 single CC beam peak is leveraged from mid to low and high channels	38.521-2, K.1.1 & K.1.2	Rel-15	NOTE 1
4	n261	n261 single CC beam peak is leveraged from mid to low and high channels	38.521-2, K.1.1 & K.1.2	Rel-15	NOTE 1
5	n261	n261 single CC beam peak is leveraged from n257 single CC mid channel to n261 low, mid and high channels	38.521-2, K.1.1 & K.1.2	Rel-15	NOTE 2
NOTE 1: The beam peak searches shall be performed for every test frequency range by default unless the device manufacturer explicitly declares that the beam peak at the mid test frequency range is applicable for the remaining (low, high) test frequency ranges. NOTE 2: Beam peak search results can be re-used from bands that completely contain the target bands if explicitly declared by the manufacturer.					

Table A.4.3.9-6: Beam Peak Search Vendor Declarations with respect to test frequency range for different CA BW classes

Item	Bands	NR CA bandwidth class	Intent	Ref.	Release	Comments
1	n257, n258, n260, n261	A, B, C, D, E, F, G, H, I, J, K, L, M, O, P, Q	The beam peak is leveraged from a reference (frequency band, CBW) or (frequency band combination, CA BW class) to a group of other intra-band contiguous combinations and CA BW classes	38.521-2, K.1.1 & K.1.2	Rel-15	A beam peak search shall be performed for every intra-band contiguous combination and CA BW class by default unless the device manufacturer explicitly declares that the beam peak for a reference (frequency band, CBW) or (frequency band combination, CA BW class) is applicable for a group of other intra-band contiguous combinations and CA BW classes.

Table A.4.3.9-7: Beam Peak Search Vendor Declarations with respect to modulation for single CC

Item	Band	Intent	Ref.	Release	Comments
1	n257	n257 single CC beam peak is leveraged from QPSK modulation to 16QAM and 64QAM	38.521-2, K.1.1 & K.1.2	Rel-15	NOTE 1
2	n258	n258 single CC beam peak is leveraged from QPSK modulation to 16QAM and 64QAM	38.521-2, K.1.1 & K.1.2	Rel-15	NOTE 1
3	n260	n260 single CC beam peak is leveraged from QPSK modulation to 16QAM and 64QAM	38.521-2, K.1.1 & K.1.2	Rel-15	NOTE 1
4	n261	n261 single CC beam peak is leveraged from QPSK modulation to 16QAM and 64QAM	38.521-2, K.1.1 & K.1.2	Rel-15	NOTE 1
NOTE 1: The beam peak searches shall be performed for every modulation by default unless the device manufacturer explicitly declares that the beam peak at the QPSK modulation is applicable for the remaining 16QAM and 64QAM modulations.					

Table A.4.3.9-8: Beam Peak Search Vendor Declarations with respect to waveform for single CC

Item	Band	Intent	Reference Waveform	Ref.	Release	Comments
1	n257	n257 single CC beam peak is leveraged from the reference waveform to the other waveform	CP-OFDM or DFT-s-OFDM	38.521-2, K.1.1	Rel-15	NOTE 1
2	n258	n258 single CC beam peak is leveraged from the reference waveform to the other waveform	CP-OFDM or DFT-s-OFDM	38.521-2, K.1.1	Rel-15	NOTE 1
3	n260	n260 single CC beam peak is leveraged from the reference waveform to the other waveform	CP-OFDM or DFT-s-OFDM	38.521-2, K.1.1	Rel-15	NOTE 1
4	n261	n261 single CC beam peak is leveraged from the reference waveform to the other waveform	CP-OFDM or DFT-s-OFDM	38.521-2, K.1.1	Rel-15	NOTE 1
NOTE 1: The beam peak searches shall be performed for every waveform by default unless the device manufacturer explicitly declares that the beam peak from one waveform is applicable for the other waveform.						

Table A.4.3.9-9: Reference Point Vendor Declaration for grey-box test approach

Item	Band	Positioning Reference Point: Offset (x/y/z) from geometric centre of DUT [cm]	Minimum QZ required to contain all active antennas within the quiet zone	Ref.	Release
1	n257			38.508-1, B.2.2.2	Rel-15
2	n258			38.508-1, B.2.2.2	Rel-15
3	n260			38.508-1, B.2.2.2	Rel-15
4	n261			38.508-1, B.2.2.2	Rel-15
NOTE: The available QZ sizes are defined in TS 38.508-1, Clause B.2.2.2, i.e., 20cm, 30cm, 40cm, and 55cm					

Table A.4.3.9-10: Vendor Declarations with respect to PC3 antenna configuration

Item	Band	Intent	Ref.	Release	Comments
1a	n257	n257 PC3 measurement grids can be relaxed based on 4x2 worst case antenna array configuration	38.521-2, M.2 – M.4	Rel-15	NOTE 1
2a	n258	n258 PC3 measurement grids can be relaxed based on 4x2 worst case antenna array configuration	38.521-2, M.2 – M.4	Rel-15	NOTE 1
3a	n259	n259 PC3 measurement grids can be relaxed based on 4x2 worst case antenna array configuration	38.521-2, M.2 – M.4	Rel-16	NOTE 1
4a	n260	n260 PC3 measurement grids can be relaxed based on 4x2 worst case antenna array configuration	38.521-2, M.2 – M.4	Rel-15	NOTE 1
5a	n261	n261 PC3 measurement grids can be relaxed based on 4x2 worst case antenna array configuration	38.521-2, M.2 – M.4	Rel-15	NOTE 1
1b	n257	n257 PC3 measurement grids can be relaxed based on 6x2 worst case antenna array configuration	38.521-2, M.2 – M.4	Rel-15	NOTE 2
2b	n258	n258 PC3 measurement grids can be relaxed based on 6x2 worst case antenna array configuration	38.521-2, M.2 – M.4	Rel-15	NOTE 2

3b	n259	n259 PC3 measurement grids can be relaxed based on 6x2 worst case antenna array configuration	38.521-2, M.2 – M.4	Rel-16	NOTE 2
4b	n260	n260 PC3 measurement grids can be relaxed based on 6x2 worst case antenna array configuration	38.521-2, M.2 – M.4	Rel-15	NOTE 2
5b	n261	n261 PC3 measurement grids can be relaxed based on 6x2 worst case antenna array configuration	38.521-2, M.2 – M.4	Rel-15	NOTE 2
NOTE 1: The fine PC3 measurement grids based on the 8x2 worst case configuration shall be applied by default unless the device manufacturer explicitly declares that all antenna arrays with $M \times N$ ($M \geq N$) comply with $M \leq 4$ and $N \leq 2$ for each band. NOTE 2: The fine PC3 measurement grids based on the 8x2 worst case configuration shall be applied by default unless the device manufacturer explicitly declares that all antenna arrays with $M \times N$ ($M \geq N$) comply with $4 < M \leq 6$ and $N \leq 2$ for each band.					

Table A.4.3.9-10a: Vendor Declarations with respect to PC5 antenna configuration

Item	Band	Intent	Ref.	Release	Comments
1	n257	n257 PC5 measurement grids can be relaxed based on 6x6 worst case antenna array configuration	38.521-2, M.2 – M.4	Rel-15	NOTE 1
2	n258	n258 PC5 measurement grids can be relaxed based on 6x6 worst case antenna array configuration	38.521-2, M.2 – M.4	Rel-15	NOTE 1
NOTE 1: The fine PC5 measurement grids based on the 12x12 worst case configuration shall be applied by default unless the device manufacturer explicitly declares that all antenna arrays with $M \times N$ ($M \geq N$) comply with $M \leq 6$ and $N \leq 6$ for each band.					

Table A.4.3.9-11: Antenna Aperture Vendor Declaration

Item	Band	Antenna Aperture Declaration	Ref.	Release
1	n257	Maximum radiating aperture of any of the panels integrated in the DUTs is $\leq 5\text{cm}$	38.508-1, B.2	Rel-15
2	n258	Maximum radiating aperture of any of the panels integrated in the DUTs is $\leq 5\text{cm}$	38.508-1, B.2	Rel-15
3	n260	Maximum radiating aperture of any of the panels integrated in the DUTs is $\leq 5\text{cm}$	38.508-1, B.2	Rel-15
4	n261	Maximum radiating aperture of any of the panels integrated in the DUTs is $\leq 5\text{cm}$	38.508-1, B.2	Rel-15

Table A.4.3.9-12: NR FR1 UL MIMO Capabilities

Item	RF Baseline Implementation Capabilities	Ref.	2Tx (Note 3, 4)	4Tx (Note 3, 4)	Comments
1	NR Frequency band: 1920-1980 MHz, 2110-2170 MHz	38.101-1, 5.2D			NR FDD FR1 Band 1
2	NR Frequency band: 1850-1910 MHz, 1930-1990 MHz	38.101-1, 5.2D			NR FDD FR1 Band 2
3	NR Frequency band: 1710-1785 MHz, 1805-1880 MHz	38.101-1, 5.2D			NR FDD FR1 Band 3
...					
5	NR Frequency band: 824-849 MHz , 869-894 MHz	38.101-1, 5.2D			NR FDD FR1 Band 5
...					
7	NR Frequency band: 832-862 MHz, 791-821 MHz	38.101-1, 5.2D			NR FDD FR1 Band 7
8	NR Frequency band: 880-915 MHz, 925-960 MHz	38.101-1, 5.2D			NR FDD FR1 Band 8
...					
13	NR Frequency band: 777-787 MHz, 746-756 MHz	38.101-1, 5.2D			NR FDD FR1 Band 13
...					
24	NR Frequency band: 1626.5-1660.5 MHz, 1525-1559 MHz	38.101-1, 5.2D			NR FDD FR1 Band 24
25	NR Frequency band: 1850-1915 MHz, 1930-1995 MHz	38.101-1, 5.2D			NR FDD FR1 Band 25
26	NR Frequency band: 814-849 MHz, 859-894 MHz	38.101-1, 5.2D			NR FDD FR1 Band 26
...					
30	NR Frequency band: 2305-2315 MHz, 2350-2360 MHz	38.101-1, 5.2D			NR FDD FR1 Band 30, (see NOTE 1)
...					
34	NR Frequency band: 2010-2025 MHz	38.101-1, 5.2D			NR TDD FR1 Band 34
...					
38	NR Frequency band: 2570-2620 MHz	38.101-1, 5.2D			NR TDD FR1 Band 38
39	NR Frequency band: 1880-1920 MHz	38.101-1, 5.2D			NR TDD FR1 Band 39
40	NR Frequency band: 2300-2400 MHz	38.101-1, 5.2D			NR TDD FR1 Band 40
41	NR Frequency band: 2496-2690 MHz	38.101-1, 5.2D			NR TDD FR1 Band 41
...					
46	NR Frequency band: 5150-5925 MHz	38.101-1, 5.2D			NR TDD FR1 Band 46
...					
48	NR Frequency band: 3550-3700 MHz	38.101-1, 5.2D			NR TDD FR1 Band 48
...					
66	NR Frequency band: 1710-1780 MHz, 2110-2200 MHz	38.101-1, 5.2D			NR FDD FR1 Band 66
...					
70	NR Frequency band: 1695-1710 MHz, 1995-2020 MHz	38.101-1, 5.2D			NR FDD FR1 Band 70
71	NR Frequency band: 663-698 MHz, 617-652 MHz	38.101-1, 5.2D			NR FDD FR1 Band 71, (see NOTE 2)
...					
77	NR Frequency band: 3300–4200 MHz	38.101-1, 5.2D			NR TDD FR1 Band 77
78	NR Frequency band: 3300–3800 MHz	38.101-1, 5.2D			NR TDD FR1 Band 78
79	NR Frequency band: 4400–5000 MHz	38.101-1, 5.2D			NR TDD FR1 Band 79
80	NR Frequency band: 1710–1785 MHz	38.101-1, 5.2D			NR SUL FR1 Band 80
81	NR Frequency band: 880 MHz – 915 MHz MHz	38.101-1, 5.2D			NR SUL FR1 Band 81
84	NR Frequency band: 1920–1980 MHz	38.101-1, 5.2D			NR SUL FR1 Band 84

85	NR Frequency band: 698-716 MHz, 728-746 MHz	38.101-1, 5.2D			NR FDD FR1 Band 85
...					
95	NR Frequency band: 2010–2025 MHz	38.101-1, 5.2D			NR SUL FR1 Band 95
97	NR Frequency band: 2300–2400 MHz	38.101-1, 5.2D			NR SUL FR1 Band 97
98	NR Frequency band: 1880–1920 MHz	38.101-1, 5.2D			NR SUL FR1 Band 98
99	NR Frequency band: 1626.5–1660.5 MHz	38.101-1, 5.2D			NR SUL FR1 Band 99
...					
104	NR Frequency band: 6425–7125 MHz	38.101-1, 5.2D			NR TDD FR1 Band 104
105	NR Frequency band: 663-703 MHz, 612-652 MHz	38.101-1, 5.2D			NR FDD FR1 Band 105
NOTE 1: Uplink transmission is not allowed at this band for UE with external vehicle-mounted antennas.					
NOTE 2: UL MIMO is targeted for FWA form factor.					
NOTE 3: The UE supplier shall indicate the supported UL-MIMO capability is 2Tx (two transmit antenna connectors), or 4Tx (four transmit antenna connectors).					
NOTE 4: See 2Tx(table_index) in Note 2 of Table 4.0-2 and 4Tx(table_index) in Note 3 of Table 4.0-2 in TS 38.522 [9].					

Table A.4.3.9-13: NR FR2 UL MIMO Capabilities

Item	RF Baseline Implementation Capabilities	Ref.	Comments
257	NR Frequency band: 26500-29500 MHz	38.101-2, 5.2D	NR TDD FR2 Band 257
258	NR Frequency band: 24250-27500 MHz	38.101-2, 5.2D	NR TDD FR2 Band 258
259	NR Frequency band: 39500-43500 MHz	38.101-2, 5.2D	NR TDD FR2 Band 259
260	NR Frequency band: 37000–40000 MHz	38.101-2, 5.2D	NR TDD FR2 Band 260
261	NR Frequency band: 27500–28350 MHz	38.101-2, 5.2D	NR TDD FR2 Band 261

Table A.4.3.9-14: NR FR1 TxD Capabilities

Item	RF Baseline Implementation Capabilities	Ref.	2Tx (Note 2, 3)	4Tx (Note 2, 3)	Comments
1	NR Frequency band: 1920-1980 MHz, 2110-2170 MHz	38.101-1, 6.2G.1			NR FDD FR1 Band n1
2	NR Frequency band: 1850-1910 MHz, 1930-1990 MHz	38.101-1, 6.2G.1			NR FDD FR1 Band n2
3	NR Frequency band: 1710-1785 MHz, 1805-1880 MHz	38.101-1, 6.2G.1			NR FDD FR1 Band n3
...					
5	NR Frequency band: 824-849 MHz , 869-894 MHz	38.101-1, 6.2G.1			NR FDD FR1 Band n5
...					
7	NR Frequency band: 832-862 MHz, 791-821 MHz	38.101-1, 6.2G.1			NR FDD FR1 Band n7
8	NR Frequency band: 880-915 MHz, 925-960 MHz	38.101-1, 6.2G.1			NR FDD FR1 Band n8
...					
12	NR Frequency band: 699-716 MHz, 729-746 MHz	38.101-1, 6.2G.1			NR FDD FR1 Band n12
13	NR Frequency band: 777-787 MHz (UL), 746-756 MHz (DL)	38.101-1, 6.2G.1			NR FDD FR1 Band n13
14	NR Frequency band: 788-798 MHz (UL), 758-768 MHz (DL)	38.101-1, 6.2G.1			NR FDD FR1 Band n14
...					
18	NR Frequency band: 815-830 MHz (UL), 860-875 MHz (DL)	38.101-1, 6.2G.1			NR FDD FR1 Band n18
...					
20	NR Frequency band: 832-862 MHz (UL), 791-821 MHz (DL)	38.101-1, 6.2G.1			NR FDD FR1 Band n20
...					
24	NR Frequency band: 1626.5-1660.5 MHz, 1525-1559 MHz	38.101-1, 6.2G.1			NR FDD FR1 Band n24
25	NR Frequency band: 1850-1915 MHz, 1930-1995 MHz	38.101-1, 6.2G.1			NR FDD FR1 Band n25
26	NR Frequency band: 814-849 MHz (UL), 859-894 MHz (DL)	38.101-1, 6.2G.1			NR FDD FR1 Band n26
...					
28	NR Frequency band: 703-748 MHz (UL), 758-803 MHz (DL)	38.101-1, 6.2G.1			NR FDD FR1 Band n28
...					
30	NR Frequency band: 2305-2315 MHz, 2350-2360 MHz	38.101-1, 6.2G.1			NR FDD FR1 Band n30, (see NOTE 1)
...					
34	NR Frequency band: 2010-2025 MHz	38.101-1, 6.2G.1			NR TDD FR1 Band n34
...					
38	NR Frequency band: 2570-2620 MHz	38.101-1, 6.2G.1			NR TDD FR1 Band n38
39	NR Frequency band: 1880-1920 MHz	38.101-1, 6.2G.1			NR TDD FR1 Band n39
40	NR Frequency band: 2300-2400 MHz	38.101-1, 6.2G.1			NR TDD FR1 Band n40
41	NR Frequency band: 2496-2690 MHz	38.101-1, 6.2G.1			NR TDD FR1 Band n41
...					
48	NR Frequency band: 3550-3700 MHz	38.101-1, 6.2G.1			NR TDD FR1 Band n48
...					

50	NR Frequency band: 1432-1517 MHz (UL / DL)	38.101-1, 6.2G.1			NR TDD FR1 Band n50
51	NR Frequency band: 1427-1432 MHz (UL / DL)	38.101-1, 6.2G.1			NR TDD FR1 Band n51
...					
53	NR Frequency band: 2483.5-2495 MHz (UL / DL)	38.101-1, 6.2G.1			NR TDD FR1 Band n53
54	NR Frequency band: 1670-1675 MHz (UL / DL)	38.101-1, 6.2G.1			NR TDD FR1 Band n54
...					
65	NR Frequency band: 1920-2010 MHz (UL), 2110-2200 MHz (DL)	38.101-1, 6.2G.1			NR FDD FR1 Band n65
66	NR Frequency band: 1710-1780, 2110-2200 MHz	38.101-1, 6.2G.1			NR FDD FR1 Band 66
...					
70	NR Frequency band: 1695-1710, 1995-2020 MHz	38.101-1, 6.2G.1			NR FDD FR1 Band 70
71	NR Frequency band: 663-698 MHz, 617-652 MHz	38.101-1, 6.2G.1			NR FDD FR1 Band 71
...					
74	NR Frequency band: 1427-1470 MHz (UL), 1475-1518 MHz (DL)	38.101-1, 6.2G.1			NR FDD FR1 Band n74
...					
77	NR Frequency band: 3300–4200 MHz	38.101-1, 6.2G.1			NR TDD FR1 Band 77
78	NR Frequency band: 3300–3800 MHz	38.101-1, 6.2G.1			NR TDD FR1 Band 78
79	NR Frequency band: 4400–5000 MHz	38.101-1, 6.2G.1			NR TDD FR1 Band 79
...					
85	NR Frequency band: 698-716 MHz, 728-746 MHz	38.101-1, 6.2G.1			NR TDD FR1 Band 85
...					
91	NR Frequency band: 832-862 MHz (UL), 1427-1432 MHz (DL)	38.101-1, 6.2G.1			NR FDD FR1 Band n91
92	NR Frequency band: 832-862 MHz (UL), 1432-1517 MHz (DL)	38.101-1, 6.2G.1			NR FDD FR1 Band n92
93	NR Frequency band: 880-915 MHz (UL), 1427-1432 MHz (DL)	38.101-1, 6.2G.1			NR FDD FR1 Band n93
94	NR Frequency band: 880-915 MHz (UL), 1432-1517 MHz (DL)	38.101-1, 6.2G.1			NR FDD FR1 Band n94
100	NR Frequency band: 874.4-880 MHz (UL), 919.4-925 MHz (DL)	38.101-1, 6.2G.1			NR FDD FR1 Band n100
101	NR Frequency band: 1900–1910 MHz (UL / DL)	38.101-1, 6.2G.1			NR TDD FR1 Band n101
102	NR Frequency band: 5925 MHz – 6425 MHz	38.101-1, 6.2G.1			NR TDD FR1 Band n102
...					
104	NR Frequency band: 6425–7125 MHz	38.101-1, 6.2G.1			NR TDD FR1 Band n104
105	NR Frequency band: 663-703 MHz, 612-652 MHz	38.101-1, 6.2G.1			NR FDD FR1 Band n105
...					
109	NR Frequency band: 703 MHz – 733 MHz (UL), 1432 MHz – 1517MHz (DL)	38.101-1, 6.2G.1			NR FDD FR1 Band n109

NOTE 1: Uplink transmission is not allowed at this band for UE with external vehicle-mounted antennas. NOTE 2: The UE supplier shall indicate the supported Tx Diversity capability is 2Tx Tx diversity or 4Tx Tx diversity as per TS 38.101-1 [23] clause 4.2. NOTE 3: See 2Tx(table_index) in Note 2 of Table 4.0-2 and 4Tx(table_index) in Note 3 of Table 4.0-2 in TS 38.522 [9].
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A.4.3.10 Sidelink Capabilities

Table A.4.3.10-1: NR Sidelink Capabilities

Item	UE Sidelink Capabilities	Ref.	Release	Mnemonic	M	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Comments
1	Support transmitting NR sidelink mode 1 scheduled by Uu	38.306, 4.2.16.1.6	Rel-16	pc_NR_sl_TransmissionMode1_r16	No		
2	Support of NR sidelink transmission mode 2	38.306, 4.2.16.1.6	Rel-16	pc_NR_sl_TransmissionMode2_r16	No		
3	Support of sidelink CSI report with 2 antenna ports	38.306, 4.2.16.1.6	Rel-16	pc_NR_sl_csi_rs_portssidelink_p2	No		
4	Support of out of order delivery of data to upper layers by PDCP for sidelink	38.306, 4.2.16.1.2	Rel-16	pc_outOfOrderDeliverySidelink_r16	No		
5	Support of AM DRB with 18 bit length of RLC sequence number for sidelink	38.306, 4.2.16.1.3	Rel-16	pc_amWithLongSN_Sidelink_r16	No		
6	Support of UM DRB with 12 bit length of RLC sequence number for sidelink	38.306, 4.2.16.1.3	Rel-16	pc_umWithLongSN_Sidelink_r16	No		
7	supports receiving 5 PSFCH resources in a slot	38.306, 4.2.16.1.6	Rel-16	pc_psfch_RxNumber_n5	No		
8	supports receiving 15 PSFCH resources in a slot	38.306, 4.2.16.1.6	Rel-16	pc_psfch_RxNumber_n15	No		
9	supports receiving 25 PSFCH resources in a slot	38.306, 4.2.16.1.6	Rel-16	pc_psfch_RxNumber_n25	No		
10	supports receiving 32 PSFCH resources in a slot	38.306, 4.2.16.1.6	Rel-16	pc_psfch_RxNumber_n32	No		
11	supports receiving 35 PSFCH resources in a slot	38.306, 4.2.16.1.6	Rel-16	pc_psfch_RxNumber_n35	No		
12	supports receiving 45 PSFCH resources in a slot	38.306, 4.2.16.1.6	Rel-16	pc_psfch_RxNumber_n45	No		
13	supports receiving 50 PSFCH resources in a slot	38.306, 4.2.16.1.6	Rel-16	pc_psfch_RxNumber_n50	No		
14	supports receiving 64 PSFCH resources in a slot	38.306, 4.2.16.1.6	Rel-16	pc_psfch_RxNumber_n64	No		
15	supports transmitting 4 PSFCH resources in a slot	38.306, 4.2.16.1.6	Rel-16	pc_psfch_TxNumber_n4	No		
16	supports transmitting 8 PSFCH resources in a slot	38.306, 4.2.16.1.6	Rel-16	pc_psfch_TxNumber_n8	No		
17	supports transmitting 16 PSFCH resources in a slot	38.306, 4.2.16.1.6	Rel-16	pc_psfch_TxNumber_n16	No		
18	supports 16 SL HARQ processes for NR PSSCH reception across all links	38.306, 4.2.16.1.6	Rel-16	pc_harq_RxProcessSidelink_n16	No		

19	supports 24 SL HARQ processes for NR PSSCH reception across all links	38.306, 4.2.16.1.6	Rel-16	pc_harq_RxProcessSidelink_n24	No		
20	supports 32 SL HARQ processes for NR PSSCH reception across all links	38.306, 4.2.16.1.6	Rel-16	pc_harq_RxProcessSidelink_n32	No		
21	supports 48 SL HARQ processes for NR PSSCH reception across all links	38.306, 4.2.16.1.6	Rel-16	pc_harq_RxProcessSidelink_n48	No		
22	supports 64 SL HARQ processes for NR PSSCH reception across all links	38.306, 4.2.16.1.6	Rel-16	pc_harq_RxProcessSidelink_n64	No		
23	Support of NR L2 sidelink relay UE operation	38.306, 4.2.16.1.1	Rel-17	pc_relayUE_Operation_L2_r17	No		
24	Support of NR L2 sidelink remote UE operation	38.306, 4.2.16.1.1	Rel-17	pc_remoteUE_Operation_L2_r17	No		
25	Support of rank 2 transmission for NR sidelink	38.211, 8.3.1.3	Rel-16	pc_sl_MIMO_r16	No		
26	Support of direct to indirect path switch with target relay in RRC_IDLE or RRC_INACTIVE state	38.306 4.2.16.1.1	Rel-17	pc_remoteUE_PathSwitchToIdleInactiveRelay_r17	No		

A.4.3.11 High Speed Capabilities

Table A.4.3.11-1: High Speed Capabilities

Item	UE High Speed Capabilities	Ref.	Release	Mnemonic	M	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Comments
1	Support the enhanced intra-NR and inter-RAT E-UTRAN measurement requirements to support high speed up to 500 km/h	38.306, 4.2.19	Rel-16	pc_hst_meas_enh_r16	No		
2	Support the enhanced demodulation processing for HST-SFN joint transmission scheme with velocity up to 500km/h	38.306, 4.2.19	Rel-16	pc_hst_demod_enh_r16	No		
3	Support the enhanced intra-NR RRM requirements to support high speed up to 500 km/h	38.306, 4.2.19	Rel-16	pc_hst_intraNR_meas_enh_r16	No		This PICS can only be set to true when pc_hst_meas_enh_r16 is set to false. Up to one PICS between pc_hst_intraNR_meas_enh_r16 and pc_hst_interRAT_meas_enh_r16 can be set to true
4	Supports the enhanced inter-RAT E-UTRAN RRM requirements to support high speed up to 500 km/h	38.306, 4.2.19	Rel-16	pc_hst_interRAT_meas_enh_r16	No		This PICS can only be set to true when pc_hst_meas_enh_r16 is set to false. Up to one PICS between pc_hst_intraNR_meas_enh_r16 and pc_hst_interRAT_meas_enh_r16 can be set to true
5	Support for enhanced inter-RAT NR measurement requirements in high-speed scenario	36.306,4.3.33.7	Rel-16	pc_hst_interRAT_NR_meas_enh_r16	No		
6	Supports the enhanced RRM requirements for carrier aggregation to support high speed up to 500 km/h	38.306, 4.2.19	Rel-17	pc_hst_RRM_CA_enh_r17	No		FR1 only UE indicating support of this feature shall indicate support of measurementEnhancement-r16 or intraNR-MeasurementEnhancement-r16.

7	Supports the enhanced RRM requirements for inter-frequency measurements in connected mode to support high speed up to 500 km/h	38.306, 4.2.19	Rel-17	pc_hst_RRM_interfreq_meas_enh_r17	No		FR1 only UE indicating support of this feature shall indicate support of measurementEnhancement-r16 or intraNR-MeasurementEnhancement-r16.
8	Support the enhanced RRM requirements for inter-frequency IDLE/INACTIVE measurements to support high speed up to 500 km/h	38.306, 5.6	Rel-17	pc_hst_RRM_interfreq_idle_inactive_meas_enh_r17	No		FR1 only UE indicating support of this feature shall indicate support of measurementEnhancement-r16 or intraNR-MeasurementEnhancement-r16.
9	Indicates whether the UE supports one shot large UL timing adjustment.	38.306, 4.2.7.2	Rel-17	pc_hst_oneStep_UL_Timing_adj_r17	No		FR2 only
10	Support the enhanced intra-NR RRM requirements to support high-speed up to 350 km/h for FR2	38.306, 4.2.7.2	Rel-17	pc_hst_MeasFlagFR2_r17	No		FR2 only UE indicating support of this feature shall indicate support of ue-PowerClass-v1700 set to 'pc6'.
11	Support the enhanced one-shot large UL transmit timing adjustment requirement to support FR2 PC6 UEs and enhanced TCI state switching delay requirements in HST FR2	38.306, 4.2.7.2	Rel-18	pc_hst_tciStateSwitchInd_r18	No		FR2 only UE indicating support of this feature shall indicate support of ue-PowerClass-v1700 set to 'pc6'.
12	Supports the enhanced demodulation processing for carrier aggregation for HST-SFN joint transmission scheme with velocity up to 500km/h	38.306, 4.2.7.4	Rel-17	pc_hst_demod_CA_enh_r17	No		FR1 only. UE indicating support of this feature shall indicate support of demodulationEnhancement-r16.

A.4.3.12 RedCap Capabilities

According to TS 38.306 [17] clause 4.2.21:

CA, MR-DC, DAPS, CPAC and IAB (i.e the RedCap IE is not expected to act as IAB mode) related UE features and corresponding capabilities are not supported by the RedCap UEs.

- PICS associated to the following features are as below:
- CA: PICS defined in clause A.4.3.2A;

- MR-DC: PICS defined in clause A.4.3.2B;
- DAPS: PICS include pc_intraFreqDAPS_r16, interFreqDAPS_r16 and other DAPS related PICS;
- CPAC: PICS include pc_condPSCellChange_r16 and other CPAC related PICS.
- UE features and corresponding capabilities related to more than 2 UE Rx branches or more than 2 DL MIMO layers, as well as UE features and capabilities related to more than 1 UE Tx branches or more than 1 UL MIMO layers are not supported by RedCap UE.
- For FR1, 1 DL MIMO layer if 1 Rx branch is supported, and 2 DL MIMO layers if 2 Rx branches are supported.
- For FR2, either 1 or 2 DL MIMO layers can be supported, while 2 Rx branches are always supported.

Table A.4.3.12-1: RedCap UE Capabilities

Item	UE Capabilities	Ref.	Release	Mnemonic	M	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Comments
1	Support of 16 DRBs for RedCap UEs.	38.306, 4.2.21.2	Rel-17	pc_supportOf16DRB_RedCap_r17	No		
2	Support of RedCap.	38.306, 4.2.21.2	Rel-17	pc_supportOfRedCap_r17	No		This PICS shall always be true for RedCap UE.
3	Void						
4	Void						
5	Support of Half-duplex FDD operation (instead of full-duplex FDD operation) type A for RedCap or eRedCap UE.	38.306 4.2.21.6.1	Rel-17	pc_halfDuplexFDD_TypeA_RedCap_r17	No		FDD FR1 only
6	Support of relaxed RRM measurements in RRC_CONNECTED for RedCap UE.	38.306 4.2.21.5	Rel-17	pc_rrm_RelaxationRRC_ConnectedRedCap_r17	No		
7	Support of initiating UE Assistance Information procedure immediately upon change of its fulfilment status for RRM measurement relaxation criterion for connected mode.	TS 38.331 5.7.4.2	Rel-17	pc_UAI_rrm_RelaxationRRC_ConnectedRedCap	No		The UE will initiate UE Assistance Information procedure immediately upon change of its fulfilment status for RRM measurement relaxation criterion for connected mode. It is only applicable for RedCap UE.
8	Support of Rel-17 relaxed RRM measurements of neighbour cells in RRC_IDLE/RRC_INACTIVE	38.306, 5.6	Rel-17	pc_Relaxed_Measurement_RedCap_r17	No		It is optional for RedCap UE to support Rel-17 relaxed RRM measurements of neighbour cells in RRC_IDLE/RRC_INACTIVE
9	Support of Half-duplex FDD operation (instead of full-duplex FDD operation) type A for overlap MFBI band undertest for RedCap or eRedCap UE	38.306 4.2.21.6.1	Rel-17	pc_halfDuplexFDD_TypeA_RedCap_MFBI	No		FDD FR1 only It is only applicable when pc_halfDuplexFDD_TypeA_RedCap_r17=True
10	Support of using (e)RedCap-specific initial DL BWP associated with NCD-SSB for SDT	38.306 4.2.21.2	Rel-17	pc_ncd_SSB_ForRedCapInitialBWP_SDT_r17	No		

11	Support of RRC-configured DL BWP without CD-SSB or NCD-SSB	38.306 4.2.21.6.1	Rel-17	pc_bwp_WithoutCD_SSB_OrNCD_SSB_RedCap_r17	No		
12	Support of storage of connection establishment failure or connection resume failure information and the reporting in UEInformationResponse message	38.306 4.2.21.7	Rel-17	pc_cef_ReportRedCap_r17	No		
13	Support of the storage of radio link failure information or handover failure information and the reporting in UEInformationResponse message	38.306 4.2.21.7	Rel-17	pc_rlf_ReportRedCap_r17	No		

A.4.3.12A eRedCap Capabilities

According to TS 38.306 [17] clause 4.2.22:

The maximum bandwidth is 20 MHz for FR1. UE features and corresponding capabilities related to UE bandwidths wider than 20 MHz in FR1 are not supported by eRedCap UEs. eRedCap UEs do not support operation in FR2 and in FR1 60kHz SCS.

CA, MR-DC, DAPS, CPAC and IAB (i.e the eRedCap IE is not expected to act as IAB mode) related UE features and corresponding capabilities are not supported by the eRedCap UEs.

- PICS associated to the following features are as below:
 - CA: PICS defined in clause A.4.3.2A;
 - MR-DC: PICS defined in clause A.4.3.2B;
 - DAPS: PICS include pc_intraFreqDAPS_r16, interFreqDAPS_r16 and other DAPS related PICS;
 - CPAC: PICS include pc_condPSCellChange_r16 and other CPAC related PICS;
 - FR2: PICS include pc_nrFR2 and other FR2 related PICS.

Table A.4.3.12A-1: eRedCap UE Capabilities

Item	UE Capabilities	Ref.	Release	Mnemonic	M	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Comments
1	Indicates that the UE is an eRedCap UE with reduced peak data rate and reduced baseband bandwidth in FR1	38.306, 4.2.22.2	Rel-18	pc_supportOfERedCap_r18	CY		FR1 only An eRedCap UE shall set this field to <i>supported</i> but shall not indicate support of <i>supportOfRedCap-r17</i> .
2	Indicates that the UE is an eRedCap UE without reduced baseband bandwidth in FR1	38.306, 4.2.22.2	Rel-18	pc_eRedCapNotReducedBB_BW_r18	No		FR1 only. An eRedCap UE without reduced baseband bandwidth in FR1 shall set this field to <i>supported</i> and set <i>pc_supportOfERedCap_r18</i> to <i>supported</i> but shall not indicate support of <i>supportOfRedCap-r17</i> .
3	Support of 1 Rx branch for an eRedCap UE	38.331, 5.2.2.4.2	Rel-18	pc_supportOf1Rxbranch_eRedCap_r18	No		FR1 only An eRedCap UE can support both 1 Rx branch and 2 Rx branches.
4	Support of 2 Rx branches for an eRedCap UE	38.331, 5.2.2.4.2	Rel-18	pc_supportOf2Rxbranches_eRedCap_r18	No		FR1 only An eRedCap UE can support both 1 Rx branch and 2 Rx branches.

A.4.3.13 Multi-SIM Capabilities

Table A.4.3.13-1: Multi-SIM Capabilities

Item	UE Multi-SIM Capabilities	Ref.	Release	Mnemonic	M	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Comments
1	Support one or more Multi-SIM features include N1 NAS signalling connection release/Paging indication for voice services/Reject paging request/Paging restriction/IMSI offset and so on.	24.501, 4.25	Rel-17	pc_5GC_MUSIM	No		
2	Support of Multi-SIM N1 NAS signalling connection release	24.501, 4.25	Rel-17	pc_5GC_MUSIM_NCR	No		
3	Support of Multi-SIM Paging indication for voice services	24.501, 4.25	Rel-17	pc_5GC_MUSIM_PIV	No		
4	Support of Multi-SIM Reject paging request	24.501, 4.25	Rel-17	pc_5GC_MUSIM_RPR	No		
5	Support of Multi-SIM Paging restriction	24.501, 4.25	Rel-17	pc_5GC_MUSIM_PR	No		A UE support Pging restriction shall support: - N1 NAS signalling connection release or - Reject paging request or - both of them
6	Support providing MUSIM assistance information with MUSIM gap preference and related MUSIM gap configuration	38.306 4.2.2	Rel-17	pc_musim_GapPreference_r17	No		UE supporting this feature supports 3 periodic gaps and 1 aperiodic gap.
7	Support providing MUSIM assistance information with indication of leaving RRC_CONNECTED state	38.306 4.2.2	Rel-17	pc_musimLeaveConnected_r17	No		
8	Support of MUSIM test function SET MUSIM UAI	38.509, 5.13	Rel-17	pc_Set_MUSIM_UAI_Info_NR	No		

9	Support providing MUSIM assistance information with temporary capability restriction and capability restriction indication as specified in TS 38.331 [9]	38.306 4.2.2	Rel-18	pc_musim_CapabilityRestriction_r18	N o		
10	Indicate to the Network A that its capabilities are temporarily restricted in RRCSetupComplete message while the UE is already in RRC_CONNECTED state in Network B.	38.331 5.3.3.4	Rel-18	pc_musim_CapRestrictionInd_RRCSetup_r18	N o		
11	Indicate to the Network A that its capabilities are temporarily restricted in RRCResumeComplete message while the UE is already in RRC_CONNECTED state in Network B.	38.331 5.3.13.4	Rel-18	pc_musim_CapRestrictionInd_RRCResume_r18	N o		
12	Transmit R18 MUSIM related UEAssistanceInformation message once the UE is allowed to do so after triggered by RRCReconfiguration	38.331 5.7.4.2	Rel-18	pc_musim_UAI_report_r18	N o		

A.4.3.14 MBS Capabilities

Table A.4.3.14-1: MBS Capabilities

Item	UE MBS Capabilities	Ref.	Release	Mnemonic	M	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	
1	Support of broadcast reception.	38.306, 5.10	Rel-17	pc_Broadcast_reception	No		
2	Support of dynamic scheduling for multicast for PCell.	38.306, 4.2.7.5	Rel-17	pc_dynamicMulticastPCell_r17	No		
3	Support of ACK/NACK based HARQ-ACK feedback and RRC-based enabling/disabling ACK/NACK-based feedback for dynamic scheduling for multicast.	38.306, 4.2.7.4	Rel-17	pc_ack_NACK_FeedbackForMulticast_r17	No		This pc_
4	Support of PTP retransmission for multicast on the same cell as multicast initial transmission.	38.306, 4.2.7.4	Rel-17	pc_ptp_Retx_Multicast_r17	No		This pc_ set
5	Support of NACK-only based HARQ-ACK feedback for multicast with ACK/NACK transforming	38.306, 4.2.7.4	Rel-17	pc_nack_OnlyFeedbackForMulticast_r17	No		This pc_ set
6	Support of NACK-only based HARQ-ACK feedback for multicast corresponding to a specific sequence or a PUCCH transmission	38.306, 4.2.7.4	Rel-17	pc_nack_OnlyFeedbackSpecificResourceForMulticast_r17	No		This pc_ to tr
7	Support of multiplexing HARQ-ACK for unicast and for multicast with the same priority and different HARQ-ACK codebook types in a PUCCH or in a PUSCH.	38.306, 4.2.7.4	Rel-17	pc_mux_HARQ_ACK_UnicastMulticast_r17	No		
8	Support of DCI format 4_2 with CRC scrambled with G-RNTI for multicast.	38.306, 4.2.7.2	Rel-17	pc_dynamicMulticastDCI_Format4_2_r17	No		This pc_
9	Support of DCI-based enabling/disabling ACK/NACK based HARQ-ACK feedback configured per G-RNTI by RRC signalling via DCI format 4_2.	38.306, 4.2.7.2	Rel-17	pc_ack_NACK_FeedbackForMulticastWithDCI_Enabler_r17	No		This pc_ and are

10	Support of DCI-based enabling/disabling NACK-only based HARQ-ACK feedback configured per G-RNTI by RRC signalling via DCI format 4_2.	38.306, 4.2.7.2	Rel-17	pc_nack_OnlyFeedbackForMulticastWithDCI_Enabler_r17	No		This pc_ and are
11	Support of MBS reception via broadcast in RRC_CONNECTED on one frequency indicated in an MBSInterestIndication message, when an SCell is configured and activated on that frequency	38.306, 4.2.7.6	Rel-17	pc_broadcastSCell_r17	No		
12	Support of SPS group-common PDSCH for multicast on PCell.	38.306, 4.2.7.5	Rel-17	pc_sps_Multicast_r17	No		This pc_
13	Support of ACK/NACK based HARQ-ACK feedback and RRC-based enabling/disabling ACK/NACK-based feedback for SPS group-common PDSCH for multicast.	38.306, 4.2.7.4	Rel-17	pc_ack_NACK_FeedbackForSPS_Multicast_r17	No		This pc_
14	Support of PTP retransmission associated with CS-RNTI for SPS multicast on the cell same as multicast initial transmission.	38.306, 4.2.7.4	Rel-17	pc_ptp_Retx_SPS_Multicast_r17	No		This pc_ is se
15	Support of unicast PDCCH scrambled with CS-RNTI to release SPS group-common PDSCH.	38.306, 4.2.7.2	Rel-17	pc_releaseSPS_MulticastWithCS_RNTI_r17	No		This pc_
16	Maximum number of G-RNTIs for multicast is more than one.	38.306, 4.2.7.2	Rel-17	pc_maxNumberG_RNTI_r17	No		If th mul pc_

A.4.3.15 Application layer measurement Capabilities

Table A.4.3.15-1: Application layer measurement Capabilities

Item	UE Capabilities	Ref.	Release	Mnemonic	M	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Comments
1	Support of NR QoE Measurement Collection for MTSI services	38.306, 4.2.20	Rel-17	pc_qoe_MTSI_MeasReport_r17	No		

A.4.3.16 Aerial UE Capabilities

Table A.4.3.16-1: Aerial UE Capabilities

Item	Aerial UE Capabilities	Ref.	Release	Mnemonic	M	If indicated "Yes" the feature shall be implemented and successfully tested for the corresponding release	Comments
1	UE supports aerial UE communication as described in TS 38.300 [28] clause 16.18.	38.306, 4.2.24	Rel-18	pc_aerialUE_Capability_r18	No		
2	UE supports altitude based measurement reporting as specified in TS 38.331 [9].	38.306, 4.2.24	Rel-18	pc_altitudeMeas_r18	CY		It is mandatory for the UE to support <i>aerialUE-Capability-r18</i> .
3	UE supports altitude based <i>ssb-ToMeasure</i> as specified in TS 38.331 [9].	38.306, 4.2.24	Rel-18	pc_altitudeBasedSSB_ToMeasure_r18	No		
4	UE supports events A3H1, A3H2, A4H1, A4H2, A5H1, and A5H2 as specified in TS 38.331 [9]. If the UE indicates support of <i>eventAxHy-r18</i> , then the UE additionally supports <i>multipleCellsMeasExtension-r18</i> for <i>eventA3H1</i> , <i>eventA3H2</i> , <i>eventA4H1</i> , <i>eventA4H2</i> , <i>eventA5H1</i> , and <i>eventA5H2</i> as specified in TS 38.331 [9].	38.306, 4.2.24	Rel-18	pc_eventAxHy_r18	No		
5	UE supports reporting of the flight path plan through the procedure defined in TS 38.331 [9].	38.306, 4.2.24	Rel-18	pc_flightPathReporting_r18	No		
6	UE supports indication of the flight path availability through the UAI message as defined in TS 38.331 [9].	38.306, 4.2.24	Rel-18	pc_flightPathAvailabilityIndicationUAI_r18	No		If a UE supports this capability, the UE shall also support <i>flightPathReporting-r18</i> .
7	UE supports measurement reporting triggered based on a number of cells for <i>eventA3</i> , <i>eventA4</i> , and <i>eventA5</i> as specified in TS 38.331 [9].	38.306, 4.2.24	Rel-18	pc_multipleCellsMeasExtension_r18	CY		It is mandatory for the UE to support <i>aerialUE-Capability-r18</i> .
8	UE supports the mechanisms defined for cells broadcasting <i>nr-NS-PmaxListAerial</i> and <i>frequencyBandListAerial</i> as specified in TS 38.331 [9].	38.306, 4.2.24	Rel-18	pc_nr_NS_PmaxListAerial_r18	CY		It is mandatory for the UE to support <i>aerialUE-Capability-r18</i> .
9	UE supports, for all the events of the same type for which the measurement reporting was triggered, measurement reporting considering only the configuration of the event with the smallest value between the altitude of the UE and the corresponding altitude threshold, as specified in TS 38.331 [9].	38.306, 4.2.24	Rel-18	pc_simulMultiTriggerSingleMeasReport_r18	No		

10	UE supports A2X service(s) which include BRID, DAA or both using A2X communication as specified in TS 38.331 [9]. This field also indicates whether the UE supports the dedicated resource pools as specified in TS 38.331 for the corresponding A2X service(s).	38.306, 4.2.24	Rel-18	pc_sl_A2X_Service_r18	No		A UE support this feature s also support sidelink in at one sidelink I
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A.4.4 Additional information

Table A.4.4-1: Additional information

Item	Additional information	Ref.	Release	Mnemonic	Comments
1	Support of ICMP or ICMP IPv6	RFC 792 OR RFC 4443, RFC 4884	NA	pc_IP_Ping	UE supports ICMP or ICMPv6 protocol to enable IP Ping Operation
2	Support of IMS	24.229, Annex U	Rel-15	pc_IMS_5GS	
3	Support of rachReport	38.306, 4.2.17	Rel-16	pc_rachReport_r16	UE supports delivery of rachReport upon request from the network.
4	Support of GNSS	38.306, 4.2.18	Rel-16	pc_GNSS_location_r16	UE is equipped with a GNSS or A-GNSS receiver that may be used to provide detailed location information along with SON or MDT related measurements in RRC_CONNECTED, RRC_IDLE and RRC_INACTIVE.
5	Support of UL PDCP Packet Average Delay	38.306, 4.2.18	Rel-16	pc_PDCP_Delay_r16	UE supports UL PDCP Packet Average Delay measurement and reporting in RRC_CONNECTED state
6	Support logged MDT	38.306, 4.2.18	Rel-16	pc_loggedMeasurements_r16	UE supports logged measurements in RRC_IDLE and RRC_INACTIVE. A UE that supports logged measurements shall support both periodical logging and event-triggered logging. The memory size of MDT logged measurements is 64KB.
7	Support of uncompensated barometric pressure measurement reporting	38.306, 4.2.18	Rel-16	pc_barometer_r16	UE supports uncompensated barometric pressure measurement reporting upon request from the network.
8	Support of orientation information reporting	38.306, 4.2.18	Rel-16	pc_orientation_r16	UE supports orientation information reporting upon request from the network.
9	Support of speed information reporting	38.306, 4.2.18	Rel-16	pc_speed_r16	UE supports speed information reporting upon request from the network.
10	Support of Bluetooth measurements in RRC_CONNECTED state	38.306, 4.2.18	Rel-16	pc_immMeasBT_r16	UE supports Bluetooth measurements in RRC_CONNECTED state.
11	Support of WLAN measurements in RRC_CONNECTED state	38.306, 4.2.18	Rel-16	pc_immMeasWLAN_r16	UE supports WLAN measurements in RRC_CONNECTED state.
12	Support of Bluetooth measurements in RRC_IDLE and RRC_INACTIVE state	38.306, 4.2.18	Rel-16	pc_loggedMeasBT_r16	UE supports Bluetooth measurements in RRC_IDLE and RRC_INACTIVE state.
13	Support of WLAN measurements in RRC_IDLE and RRC_INACTIVE state	38.306, 4.2.18	Rel-16	pc_loggedMeasWLAN_r16	UE supports WLAN measurements in RRC_IDLE and RRC_INACTIVE state.
14	Support of SDT in RRC_INACTIVE state via Random Access Procedure	38.306, 4.2.2	Rel-17	pc_ra_SDT_r17	UE supports SDT via Random Access procedure in RRC_INACTIVE state
15	Support of SRB SDT in RRC_INACTIVE state	38.306, 4.2.2	Rel-17	pc_srb_SDT_r17	UE supports SRB SDT in RRC_INACTIVE state
16	Support of SDT in RRC_INACTIVE state via Configured Grant Type 1	38.306, 4.2.7.2	Rel-17	pc_cg_SDT_r17	UE supports SDT via Configured Grant Type 1 in RRC_INACTIVE state
17	Support of NR NTN access	38.306, 4.2.2	Rel-17	pc_nonTerrestrialNetwork_r17	UE supports NR NTN access.

Item	Additional information	Ref.	Release	Mnemonic	Comments
18	Support of RRC INACTIVE state in NTN	38.331, 6.3.3	Rel-17	pc_inactiveStateNTN_r17	UE supports RRC INACTIVE state in NTN
19	Support of RA-SDT in NTN	38.331, 6.3.3	Rel-17	pc_ra_SDT_NTN_r17	UE supports RA-SDT in NTN
20	Support of SRB-SDT in NTN	38.331, 6.3.3	Rel-17	pc_srb_SDT_NTN_r17	UE supports SRB-SDT in NTN
21	Support of storage and delivery of multiple CEF reports	38.306, 4.2.18	Rel-17	pc_multiple_CEF_Report_r17	UE supports the storage and delivery of multiple CEF reports upon request from the network
22	Support of the storage of Early Measurement Logging in logged measurements.	38.306, 4.2.18	Rel-17	pc_earlyMeasLog_r17	UE supports the storage of Early Measurement Logging in logged measurements and the reporting upon request from the network as specified in TS 38.331
23	Void				
24	Support of delivery of on-Demand SI information upon request from the network	38.306, 4.2.17	Rel-17	pc_onDemandSI_Report_r17	
25	Support of the storage and delivery of 2-step RACH related information upon request from the network	38.306, 4.2.17	Rel-17	pc_twoStepRACH_Report_r17	
26	Support of mpsPriorityIndication on RRC release with redirect	38.306, 4.2.2	Rel-16	pc_NR_mpsPriorityIndication_r16	UE supports mpsPriorityIndication on RRC release with redirect as specified in TS 38.331
27	Support of RLF-Report for conditional handover	38.306, 4.2.17	Rel-17	pc_rlfReportCHO_r17	UE supports RLF-Report for conditional handover.
28	Support of RLF-Report for DAPS handover.	38.306, 4.2.17	Rel-17	pc_rlfReportDAPS_r17	UE supports RLF-Report for DAPS handover.
29	Support of the storage and delivery of Successful Handover Report.	38.306, 4.2.17	Rel-17	pc_success_HO_Report_r17	UE supports the storage and delivery of Successful Handover Report.
30	Support of MT-SDT procedure via random access procedure	38.306, 4.2.2	Rel-18	pc_mt_SDT_r18	UE supports MT-SDT via Random Access procedure in RRC_INACTIVE state
31	Support of MT-SDT procedure over configured grant type 1	38.306, 4.2.2	Rel-18	pc_mt_CG_SDT_r18	UE supports SDT via Configured Grant Type 1 in RRC_INACTIVE state
32	Support of selection of RACH resources instead of configured grant type 1	38.306, 4.2.2	Rel-18	pc_ra_InsteadCG_SDT_r18	UE supports the selection of RACH resources instead of configured grant type 1 resource when triggering resume for MO-SDT or MT-SDT and next configured grant type 1 resource is too far
33	Supports of extend the range of CG-SDT periodicities	38.306, 4.2.7	Rel-18	pc_cg_SDT_PeriodicityExt_r18	UE supports to extend the range of CG-SDT periodicities for MO-SDT and/or MT-SDT

Table A.4.4-2: Definition of UE implementation capabilities

Item	Definition of UE implementation capabilities	Ref.	Release	Mnemonic	Comments
1	Void				
2	Void				
3	Number of UE-requested PDU session establishments after REGISTRATION during the same signalling connection	24.501	Rel-15	pc_noOf_PDUsSame Connection	If the UE requires an external trigger to establish a PDU session, this value shall be set to 0
4	Number of UE-requested PDU session establishments after REGISTRATION in a new signalling connection	24.501	Rel-15	pc_noOf_PDUsNewCo nnection	If the UE requires an external trigger to establish a PDU session, this value shall be set to 0
5	Number of UE-requested PDN connection establishments after ATTACH during the same signalling connection	24.301	Rel-15	pc_noOf_PDNsSame Connection	If the UE requires an external trigger to establish a PDN connection, this value shall be set to 0
6	Number of UE-requested PDN connection establishments after ATTACH in a new signalling connection	24.301	Rel-15	pc_noOf_PDNsNewCo nnection	If the UE requires an external trigger to establish a PDN connection, this value shall be set to 0
7	Void				
8	Support of Emergency PDU session transfer from N1 mode to S1 mode when network does not support N26 interface	TS 24.501, 6.1.4.2	Rel-15	pc_TransferEmergencyPDUN1toS1noN26	Will the UE attempt to transfer an existing Emergency PDU session upon inter-system change from N1 mode to S1 mode in EMM-IDLE mode if the network does not support N26 interface
9	Support of Emergency PDN connection transfer from S1 mode to N1 mode when network does not support N26 interface	TS 24.501, 6.1.4.2	Rel-15	pc_TransferEmergencyPDUS1toN1noN26	Will the UE attempt to transfer an existing Emergency PDN connection upon inter-system change from S1 mode to N1 mode in EMM-IDLE mode if the network does not support N26 interface
10	Support of UE's usage setting as data centric	TS 24.501, 4.3.1	Rel-15	pc_data_centric	UE supports to be configured to consistently behave as a Data centric UE.
11	Support of join in MBS multicast session by sending a PDU Session Modification Request	TS 23.247 7.2.1	Rel-17	pc_Join_MBS_by_PDU_Modification	If pc_Join_MBS_by_PDU_Modification, UE join in MBS multicast session by sending a PDU Session Modification Request, else UE join in MBS multicast session by sending a PDU Session Establishment Request

Item	Definition of UE implementation capabilities	Ref.	Release	Mnemonic	Comments
12	Number of UE-requested PDU session establishments after REGISTRATION during the same signalling connection for 5G ProSe	24.501	Rel-17	pc_noOf_PDUsSameConnection_Relay	
13	Transmit UEAssistanceInformation message with IDC-Assistance-r16 in RRC_CONNECTED when an IDC problem is detected in RRC_IDLE	38.331, 5.7.4	Rel-17	pc_IDC_Report	UE transmits UEAssistanceInformation message with IDC-Assistance-r16 in RRC_CONNECTED when an IDC problem is detected with "C2" configuration as in TS 38.508-1 [2], Table 4.13-1
14	Support of AT command to update test case specific USIM configuration as specified in TS 38.508-1[11], clause 6.4 or equivalent sections of default generic test profile in case of eUICC [27]	27.007, 8.17, 8.18	Rel-15	pc_USIMConfUpdate	

Table A.4.4-2A: UE APN/DNN Implementation details

Parameter Name	Parameter Type	Supported Value	Comments
pc_APN_Default_Configuration	enumerated	none, internet, ims, urllc, miot, v2x, ethernet, mbs, uas_uss, uas_c2, mcx	The DNN/APN configuration specified in TS 38.508-1 [2] clause 4.8.4, which is to be used for the default DNN/APN. The value provided shall match one of the DNN/APN types if a Default DNN will be established, e.g. internet, ims, etc. or shall be set to none if the UE will not establish default DNN/APN.
pc_APN_ID_Internet	charstring		APN/DNN ID of type Internet (NOTE 1) The APN/DNN Network Identifier portion of the Access Point / Data Network Name, as defined in TS 23.003 [26], subclause 9.1 OR "none" if the UE will not establish PDN/PDU of type Internet If the provided value is different to "none" then for this APN/DNN the DNN/APN configuration of type "Internet" as specified in TS 38.508-1 [2], Table 4.8.4-1 applies.
pc_APN_ID_IMS	charstring		APN/DNN ID of type IMS (NOTE 1) The APN/DNN Network Identifier portion of the Access Point / Data Network Name, as defined in TS 23.003 [26], subclause 9.1 OR "none" if the UE will not establish PDN/PDU of type IMS If the provided value is different to "none" then for this APN/DNN the DNN/APN configuration of type "IMS" as specified in TS 38.508-1 [2], Table 4.8.4-1 applies.
pc_APN_ID_URLLC	charstring		APN/DNN ID of type URLLC (NOTE 1) The APN/DNN Network Identifier portion of the Access Point / Data Network Name, as defined in TS 23.003 [26], subclause 9.1 OR "none" if the UE will not establish PDN/PDU of type URLLC If the provided value is different to "none" then for this APN/DNN the DNN/APN configuration of type "URLLC" as specified in TS 38.508-1 [2], Table 4.8.4-1 applies.
pc_APN_ID_MIoT	charstring		APN/DNN ID of type MIoT (NOTE 1) The APN/DNN Network Identifier portion of the Access Point / Data Network Name, as defined in TS 23.003 [26], subclause 9.1 OR "none" if the UE will not establish PDN/PDU of type MIoT If the provided value is different to "none" then for this APN/DNN the DNN/APN configuration of type "MIoT" as specified in TS 38.508-1 [2], Table 4.8.4-1 applies.

pc_APN_ID_V2X	charstring	APN/DNN ID of type V2X (NOTE 1) The APN/DNN Network Identifier portion of the Access Point / Data Network Name, as defined in TS 23.003 [26], subclause 9.1 OR "none" if the UE will not establish PDN/PDU of type V2X If the provided value is different to "none" then for this APN/DNN the DNN/APN configuration of type "V2X" as specified in TS 38.508-1 [2], Table 4.8.4-2 applies.
pc_APN_ID_Ethernet	charstring	APN/DNN ID of type Ethernet (NOTE 1) The APN/DNN Network Identifier portion of the Access Point / Data Network Name, as defined in TS 23.003 [26], subclause 9.1 OR "none" if the UE will not establish PDN/PDU of type Ethernet If the provided value is different to "none" then for this APN/DNN the DNN/APN configuration of type "Ethernet" as specified in TS 38.508-1 [2], Table 4.8.4-2 applies.
pc_APN_ID_MBS	charstring	APN/DNN ID of type MBS (NOTE 1) The APN/DNN Network Identifier portion of the Access Point / Data Network Name, as defined in TS 23.003 [26], subclause 9.1 OR "none" if the UE will not establish PDN/PDU of type MBS If the provided value is different to "none" then for this APN/DNN the DNN/APN configuration of type "MBS" as specified in TS 38.508-1 [2], Table 4.8.4-2 applies.
pc_APN_ID_USS	charstring	APN/DNN ID of type UAS USS (NOTE 1) The APN/DNN Network Identifier portion of the Access Point / Data Network Name, as defined in TS 23.003 [26], subclause 9.1 OR "none" if the UE does not support UAS If the provided value is different to "none" then for this APN/DNN the DNN/APN configuration of type "USS" as specified in TS 38.508-1 [2], Table 4.8.4-3 applies.
pc_APN_ID_C2	charstring	APN/DNN ID of type UAS C2 (NOTE 1) The APN/DNN Network Identifier portion of the Access Point / Data Network Name, as defined in TS 23.003 [26], subclause 9.1 OR "none" if the UE does not support UAS If the provided value is different to "none" then for this APN/DNN the DNN/APN configuration of type "C2" as specified in TS 38.508-1 [2], Table 4.8.4-3 applies.

pc_APN_ID_MCX	charstring	APN/DNN ID of type MCX (NOTE 1) The APN/DNN Network Identifier portion of the Access Point / Data Network Name, as defined in TS 23.003 [26], subclause 9.1 OR "none" if the UE will not establish PDN/PDU of type MCX If the provided value is different to "none" then for this APN/DNN the DNN/APN configuration of type "MCX" as specified in TS 38.508-1 [2], Table 4.8.4-3 applies.
NOTE 1: For each UE, the APN/DNN IDs which will be used during for PDN/PDU establishment shall be provided. These shall cover both: The APN/DNN IDs which the UE will provide itself in the PDN/PDU establishment request, and, An APN/DNN ID which the UE will prefer to be assigned by the SS in the case of Default APN/DNN, if the UE utilises Provided and/or Default APN/DNN.		

Annex B (informative): Status of NR band and NR CA, NR-DC, EN-DC, NE-DC and NR SUL configurations in 3GPP UE conformance test specifications

See attached document "PRD21 5G NR bands and CADC configurations list v1.13.0.zip" for the status of NR and V2X bands and its power classes, and NR-DC, EN-DC, NE-DC, NR SUL and V2X configurations and its power classes in the version of 3GPP UE conformance test specifications as indicated in the header of this document.

Annex C (informative): Machine-readable version of the ICS proforma tables

A machine-readable version of the ICS proforma tables of Annex A.4 can be found in the following repository of 3GPP Forge:

<https://forge.3gpp.org/rep/ran5/38508-2/>

In the event of any discrepancy, the contents of A.4 in this specification shall prevail.

Annex D (informative): Change history

Change history							
Date	Meeting	TDoc	CR	R ev	Cat	Subject/Comment	New version
2017-12	RAN5#77	R5-176852	-	-	-	Introduction of TS 38.508-2	0.1.0
2018-04	RAN5#2- 5G-NR Adhoc	R5-182069	-	-	-	Addition of several required PICS	0.2.1
2018-05	RAN5#79	R5-183271	-	-	-	Addition of Missing PICS	1.0.0
2018-06	RAN#80	RP-181208	-	-	-	put under revision control as v15.0.0 with small editorial changes	15.0.0
2018-09	RAN#81	R5-185161	0001	1	F	Addition of PICS	15.1.0
2018-12	RAN#82	R5-187040	0010	-	F	Addition of new band into RF baseline implementation capabilities	15.2.0
2018-12	RAN#82	R5-187777	0011	1	F	Addition of PICS	15.2.0
2019-03	RAN#83	R5-192365	0020	1	F	Introduction of Physical Layer Baseline Implementation Capabilities for NR CA, NR DC and EN-DC	15.3.0
2019-03	RAN#83	R5-192706	0019	1	F	Introduction of Non 3GPP Access over WLAN PICS	15.3.0
2019-03	RAN#83	R5-192746	0017	1	F	Addition of Capability for test cases	15.3.0
2019-03	RAN#83	R5-192747	0018	1	F	PICS Update	15.3.0
2019-03	RAN#83	R5-192748	0021	1	F	Add UE capability PDU	15.3.0
2019-06	RAN#84	R5-193576	0027	-	F	Update of Clause 2 References of 38.508-2	15.4.0
2019-06	RAN#84	R5-193577	0028	-	F	Introduction of Table A.4.3.2A.2.1-3 configuration for FR1 Intra-band contiguous CA	15.4.0
2019-06	RAN#84	R5-193756	0030	-	F	Addition of UE capability for mobility	15.4.0
2019-06	RAN#84	R5-195137	0036	1	F	Addition of ICS for FR2 Multiband Relaxation declaration	15.4.0
2019-06	RAN#84	R5-195331	0031	1	F	PICS update	15.4.0
2019-06	RAN#84	R5-195428	0035	2	F	Resubmission: Addition of optional UE capabilities for Demod	15.4.0
2019-06	RAN#84	R5-195052	0029	1	F	Addition of CA_n41C CA_n66B and CA_n71B	16.0.0
2019-09	RAN#85	R5-197225	0037	1	F	Addition and Update of PICS	16.1.0
2019-09	RAN#85	R5-197440	0038	1	F	Addition of NR FR1 intraband non-contiguous and interband CA tables with combinations CA_66(2A), CA_n66A-n70A, CA_n66A-n71A, CA_n70A-n71a, CA_n66B-n70A, CA_n66(2A)-n70A, CA_n66(2A)-n71A to 38.508-2	16.1.0
2019-09	RAN#85	R5-197442	0045	-	F	Updates of SA and NSA information	16.1.0
2019-09	RAN#85	R5-197510	0044	1	F	Update to 38.508-2 for 4Rx handling	16.1.0
2019-12	RAN#86	R5-198169	0049		F	Introduction of UE capabilities for Rel-16 NR CA and EN-DC configurations	16.2.0
2019-12	RAN#86	R5-198349	0051		F	Addition of NR FR1 intraband non-contiguous and interband CA tables with combinations CA_n66B-n71A, CA_n66A-n70A-n71A, CA_n66B-n70A-n71A, CA_n66(2A)-n70A-n71A to 38.508-2	16.2.0
2019-12	RAN#86	R5-198873	0047	1	F	Add GAP pattern to PICS	16.2.0
2019-12	RAN#86	R5-198963	0048	1	F	Introduction of UE capabilities for Rel-15 NR CA, NR DC and EN-DC configurations	16.2.0
2019-12	RAN#86	R5-198964	0050	1	F	Introduction of UE capabilities for new Rel-16 NR bands and new SDL band n29 associated NR CA configuration CA_n29A-n66A	16.2.0
2019-12	RAN#86	R5-199076	0056	2	F	Addition of new PICS needed for testing	16.2.0
2019-12	RAN#86	R5-199305	0052	1	F	Update to 38.508-2 regarding 4Rx antenna ports capability	16.2.0
2019-12	RAN#86	R5-199312	0058		F	Correction to n66 intra-band CA Physical Layer Baseline Implementation Capabilities	16.2.0
2019-12	RAN#86	R5-199462	0054	2	F	EN-DC bands Implementation Conformance Statement (ICS) proforma Updates	16.2.0
2019-12	RAN#86	R5-199482	0053	1	F	Physical Layer Baseline Implementation Capabilities for Beam Correspondence	16.2.0
2020-03	RAN#87	R5-200558	0065		F	Beam Correspondence Mnemonic name update	16.3.0
2020-03	RAN#87	R5-200592	0067		F	Corrections on categories of NR DC and EN-DC physical layer capabilities in 38.508-2	16.3.0
2020-03	RAN#87	R5-200598	0068		F	Introduction on supported inter-band EN-DC configurations in 38.508-2	16.3.0
2020-03	RAN#87	R5-200636	0070		F	Corrections and Addition of NR PICS	16.3.0
2020-03	RAN#87	R5-200903	0059	1	F	Additional UE Power Class declaration	16.3.0
2020-03	RAN#87	R5-200923	0062	1	F	Introduction of UE capabilities for n95 SUL band	16.3.0
2020-03	RAN#87	R5-200969	0066	1	F	Corrections on categories of NR CA physical layer capabilities in 38.508-2	16.3.0
2020-03	RAN#87	R5-200970	0069	1	F	Adding modified MPR behaviour to physical layer capabilities	16.3.0
2020-03	RAN#87	R5-201062	0064	1	F	Introduction of UE capabilities for Rel-16 EN-DC configurations	16.3.0
2020-03	RAN#87	R5-201123	0060	1	F	Correction to NR TC PICs	16.3.0
2020-06	RAN#88	R5-201923	0075	-	F	Addition of TDD-TDD PC2 inter-band EN-DC UE RF Baseline implementation Capabilities declaration	16.4.0
2020-06	RAN#88	R5-202108	0077	-	F	Updates on UE capability for Rel-15 NR CA configuration	16.4.0
2020-06	RAN#88	R5-202226	0079	-	F	Update NR intra-band contiguous CA implementation capabilities in 38.508-2	16.4.0
2020-06	RAN#88	R5-202228	0080	-	F	Update RF baseline implementation capabilities in 38.508-2	16.4.0
2020-06	RAN#88	R5-202446	0082	-	F	Addition of EN-DC configurations DC_41C_n41A and DC_41D_n41A	16.4.0

2020-06	RAN#88	R5-202709	0078	1	F	Update ICS proforma tables for UE implementation types in A.4.1 of 38.508-2	16.4.0
2020-06	RAN#88	R5-202871	0074	1	F	Introduction of several new NR 2CA and 3CA combinations	16.4.0
2020-06	RAN#88	R5-203113	0076	2	F	Additions and corrections to PICS	16.4.0
2020-09	RAN#89	R5-203279	0085	-	F	n26 Implementation baseline capabilities in 38.508-2	16.5.0
2020-09	RAN#89	R5-203457	0088	-	F	Fixing References	16.5.0
2020-09	RAN#89	R5-203463	0089	-	F	Addition of PICS for CSI-RS measurement without associated SSB	16.5.0
2020-09	RAN#89	R5-203632	0090	-	F	Introduction of UE capabilities for additional Rel-15 band EN-DC inter-band configurations	16.5.0
2020-09	RAN#89	R5-203635	0091	-	F	Introduction of UE capabilities for additional Rel-16 EN-DC inter-band configurations	16.5.0
2020-09	RAN#89	R5-203911	0094	-	F	Update of A.4.3.2A for intra-band contiguous CA capabilities	16.5.0
2020-09	RAN#89	R5-203912	0095	-	F	Update of A.4.3.2A.3 for intra-band non-contiguous CA capabilities	16.5.0
2020-09	RAN#89	R5-203914	0097	-	F	Update of A.4.3.2B for NR-DC capabilities	16.5.0
2020-09	RAN#89	R5-203917	0100	-	F	Update of A.4.3.2B.2.3 for inter-band EN-DC including FR2 capabilities	16.5.0
2020-09	RAN#89	R5-204332	0108	-	F	Adding new ICS for handling inter-system change S1-N1 and aligning PDN and PDU handling	16.5.0
2020-09	RAN#89	R5-204511	0109	1	F	Addition of UE capability for voiceFallbackIndicationEPS-r16	16.5.0
2020-09	RAN#89	R5-204544	0106	1	F	Addition and update of PICS	16.5.0
2020-09	RAN#89	R5-204710	0105	1	F	CR to 38.508-2 to allow vendor declarations related to beam peak searches	16.5.0
2020-09	RAN#89	R5-204759	0102	1	F	Addition of PICS for intra-band EN-DC PC2	16.5.0
2020-09	RAN#89	R5-204801	0084	1	F	Introduction of Rel-16 inter-band EN-DC configurations within FR1 for physical layer baseline implementation capabilities	16.5.0
2020-09	RAN#89	R5-204802	0096	1	F	Update of A.4.3.2A.4 for inter-band CA within FR1 capabilities	16.5.0
2020-09	RAN#89	R5-204803	0098	1	F	Update of A.4.3.2B.2 for intra-band EN-DC capabilities	16.5.0
2020-09	RAN#89	R5-204804	0099	1	F	Update of A.4.3.2B.2.3 for inter-band EN-DC including FR1 and FR2 capabilities	16.5.0
2020-09	RAN#89	R5-204805	0101	1	F	Update of A.4.3.2B.2.3 for inter-band EN-DC within FR1 capabilities	16.5.0
2020-09	RAN#89	R5-204806	0104	1	F	Introduction of UE capabilities for Rel-16 EN-DC configurations	16.5.0
2020-09	RAN#89	R5-204853	0086	1	F	Added UE Phy layer capability into 38.508-2 from 38.306	16.5.0
2020-09	RAN#89	R5-204902	0087	1	F	Updated table A.4.3.9-4 - 4 Rx antenna ports capabilities	16.5.0
2020-09	RAN#89	R5-204903	0092	1	F	Introduction and correction of general capabilities and some band-combo information for EN-DC	16.5.0
2020-09	RAN#89	R5-204904	0107	1	F	Add new PICS	16.5.0
2020-12	RAN#90	R5-205053	0110	-	F	ICS for iRAT RS-SINR and SFTD measurements	16.6.0
2020-12	RAN#90	R5-205612	0117	-	F	Addition of UE capabilities for Rel-16 UE power saving in NR	16.6.0
2020-12	RAN#90	R5-205640	0118	-	F	Addition of PC2 EN-DC DC_3A-n78A into RF Baseline implementation Capabilities	16.6.0
2020-12	RAN#90	R5-205695	0120	-	F	Addition of ICS for UE support PUSCH Pi2 BPSK	16.6.0
2020-12	RAN#90	R5-205707	0121	-	F	Revise ICS Proforma Tables for Remaining n14, n29, and n30 Capabilities	16.6.0
2020-12	RAN#90	R5-205773	0123	-	F	Correction to baseline implementation capabilities for a few Rel-16 inter-band EN-DC configurations	16.6.0
2020-12	RAN#90	R5-205774	0124	-	F	Addition of baseline implementation capabilities for Rel-15 EN-DC inter-band configuration DC_3A_n7A	16.6.0
2020-12	RAN#90	R5-205941	0127	-	F	Update for Flexible PDU-PDN - ICS definitions new and removal	16.6.0
2020-12	RAN#90	R5-206023	0129	-	F	Update of A.4.1 for UE implementation types	16.6.0
2020-12	RAN#90	R5-206024	0130	-	F	Update of A.4.3.1 for UE power class implementation capabilities	16.6.0
2020-12	RAN#90	R5-206025	0131	-	F	Update of A.4.3.2A.2 for implementation capabilities of NR intra-band contiguous CA	16.6.0
2020-12	RAN#90	R5-206026	0132	-	F	Update of A.4.3.2A.3 for implementation capabilities of NR intra-band non-contiguous CA	16.6.0
2020-12	RAN#90	R5-206027	0133	-	F	Update of A.4.3.2B for NR-DC implementation capabilities	16.6.0
2020-12	RAN#90	R5-206310	0115	1	F	Addition and update of PICS	16.6.0
2020-12	RAN#90	R5-206395	0112	1	F	Adding UE capabilities for IIoT test	16.6.0
2020-12	RAN#90	R5-206404	0138	1	F	Add UE capability for NR MobEnc TCs	16.6.0
2020-12	RAN#90	R5-206410	0137	1	F	Add UE capability for NR V2X TCs	16.6.0
2020-12	RAN#90	R5-206414	0139	1	F	Adding UE capabilities for eMIMO	16.6.0
2020-12	RAN#90	R5-206421	0116	1	F	Addition of PICS for Rel-16 RACS	16.6.0
2020-12	RAN#90	R5-206428	0111	1	F	Addition of UE capability for nr-HO-ToEN-DC-r16	16.6.0
2020-12	RAN#90	R5-206634	0114	1	F	Addition of EN-DC capabilities of number of NR DL or number of NR UL carriers	16.6.0
2020-12	RAN#90	R5-206635	0125	1	F	Correction to Enhanced Type X receiver PICS	16.6.0
2020-12	RAN#90	R5-206636	0126	1	F	Addition of PICS for LTE CRS rate matching capability	16.6.0
2020-12	RAN#90	R5-206637	0128	1	F	Addition of PICS for intra-frequency measurements with gap	16.6.0
2020-12	RAN#90	R5-206716	0122	1	F	Addition of baseline implementation capabilities for a few Rel-16 EN-DC inter-band configurations	16.6.0
2020-12	RAN#90	R5-206717	0134	1	F	Introduction of UE capabilities for additional Rel-16 EN-DC inter-band configurations	16.6.0
2020-12	RAN#90	R5-206771	0119	1	F	Addition of PC2 UE RF Baseline Implementation Capabilities for DC_3A_n41A	16.6.0

2021-03	RAN#91	R5-210081	0141	-	F	Introduction of Additional capabilities for NR Band n53	16.7.0
2021-03	RAN#91	R5-210483	0148	-	F	Correction of core spec Ref. for 4 Rx antenna ports Capabilities	16.7.0
2021-03	RAN#91	R5-210484	0149	-	F	Addition of PUSCH HalfPI BPSK capability in FR2	16.7.0
2021-03	RAN#91	R5-210566	0150	-	F	Update on manufacturer declaration required for Receiver Beam Peak Search	16.7.0
2021-03	RAN#91	R5-211001	0160	-	F	Update to NR FR1 2Rx-4Rx implementation Capabilities	16.7.0
2021-03	RAN#91	R5-211108	0163	-	F	Corrections to subclauses in 38.508-2 with appropriate subclause level and heading styles	16.7.0
2021-03	RAN#91	R5-211229	0169	-	F	Add n26 to 2Rx capabilities declaration	16.7.0
2021-03	RAN#91	R5-211376	0147	1	F	Addition and update of PICS	16.7.0
2021-03	RAN#91	R5-211449	0164	1	F	Correction of Table A.4.3.2B.2.3.12-1	16.7.0
2021-03	RAN#91	R5-211457	0154	1	F	Add UE capability for NR MobEnc	16.7.0
2021-03	RAN#91	R5-211463	0144	1	F	Adding scell dormancy indication outside active time to physical layer baseline implementation capabilities	16.7.0
2021-03	RAN#91	R5-211469	0143	1	F	Introduction of common implementation conformance statements for R16 NR SON and MDT	16.7.0
2021-03	RAN#91	R5-211492	0153	1	F	Introduction of general capability for NR to UTRA-FDD CELL_DCH CS handover	16.7.0
2021-03	RAN#91	R5-211674	0162	1	F	Introduction of UE capabilities for Rel-15 EN-DC FR2 configuration CA_n261(2A)	16.7.0
2021-03	RAN#91	R5-211815	0142	1	F	Addition of common ICS in A.4.3.11 for Rel-16 HST	16.7.0
2021-03	RAN#91	R5-211858	0140	1	F	Update of UE capabilities for EN-DC configurations	16.7.0
2021-03	RAN#91	R5-211859	0145	1	F	Update of Table A.4.3.2B.2.3.2-2 (DC_1A-8A_n78A, DC_3A-8A_n78A)	16.7.0
2021-03	RAN#91	R5-211860	0146	1	F	Update of Table A.4.3.2B.2.3.3-2 (DC_1A-3A-8A_n78A)	16.7.0
2021-03	RAN#91	R5-211861	0161	1	F	Introduction of UE capabilities for Rel-15 EN-DC FR1 configurations	16.7.0
2021-03	RAN#91	R5-211862	0165	1	F	Addition of PICS powerBoosting-pi2BPSK	16.7.0
2021-03	RAN#91	R5-211904	0170	1	F	Updating UE capability for Rel-16 NR inter-band CA configurations for band n1	16.7.0
2021-03	RAN#91	R5-211910	0155	1	F	Adding PICS for UL switching	16.7.0
2021-03	RAN#91	R5-211839	0159	1	F	Adding PICS for SUL with DL CA configurations	17.0.0
2021-06	RAN#92	R5-212120	0174	-	F	Updating UE capabilities for Rel-17 EN-DC band combinations within FR1	17.1.0
2021-06	RAN#92	R5-212136	0175	-	F	Updating UE capabilities for R17 NR inter-band CA configurations in FR1	17.1.0
2021-06	RAN#92	R5-212199	0177	-	F	Update of Table A.4.3.2B.2.3.6-2 - DC_8A_n257A	17.1.0
2021-06	RAN#92	R5-212568	0180	-	F	Corrections to Table A.4.3.2A.4.1-3 for NR Inter-band CA within FR1 and two bands	17.1.0
2021-06	RAN#92	R5-212830	0188	-	F	Correction of A.4.1 for UE implementation types for SA CA UE radio technologies	17.1.0
2021-06	RAN#92	R5-212831	0189	-	F	Correction of A.4.3.9 for additional capabilities for UE declared capability	17.1.0
2021-06	RAN#92	R5-212834	0191	-	F	Update of A.4.3.2A.2.2 for capabilities for NR intra-band contiguous CA within FR2	17.1.0
2021-06	RAN#92	R5-212835	0192	-	F	Update of A.4.3.2A.3.1 for capabilities for NR intra-band non-contiguous CA within FR1	17.1.0
2021-06	RAN#92	R5-212836	0193	-	F	Update of A.4.3.2A.4.1 for capabilities for NR inter-band CA within FR1	17.1.0
2021-06	RAN#92	R5-212837	0194	-	F	Update of A.4.3.2B.1 for capabilities for NR-DC	17.1.0
2021-06	RAN#92	R5-212838	0195	-	F	Update of A.4.3.2B.2.3.8 for capabilities for EN-DC including FR2	17.1.0
2021-06	RAN#92	R5-212854	0197	-	F	Addition of suffix for Mnemonic pc_pusch_halfpiBPSK to differentiate FR1 and FR2	17.1.0
2021-06	RAN#92	R5-212855	0198	-	F	Addition of ENDC NR part power class parameter	17.1.0
2021-06	RAN#92	R5-212931	0200	-	F	Addition of PICS for NR sidelink RF testing	17.1.0
2021-06	RAN#92	R5-212938	0201	-	F	Adding PICS for eMIMO single DCI based SDM	17.1.0
2021-06	RAN#92	R5-212947	0202	-	F	Adding PICS for URLLC low BLER	17.1.0
2021-06	RAN#92	R5-212987	0204	-	F	Introducing Rel-16 CA configuration CA_n28A-n41A	17.1.0
2021-06	RAN#92	R5-213006	0205	-	F	Introducing Rel-17 new SUL or CA configurations	17.1.0
2021-06	RAN#92	R5-213191	0210	-	F	Introduce PICS for NR URLLC	17.1.0
2021-06	RAN#92	R5-213258	0215	-	F	Addition of PC2 EN-DC DC_1A-n78A into RF Baseline implementation Capabilities	17.1.0
2021-06	RAN#92	R5-213374	0217	-	F	Introduce PICS for 2-step RACH	17.1.0
2021-06	RAN#92	R5-213406	0218	-	F	Addition of capability for NR Sidelink Transmission Mode 2	17.1.0
2021-06	RAN#92	R5-213453	0179	1	F	Addition of Emergency PDU-PDN transfer capabilities	17.1.0
2021-06	RAN#92	R5-213454	0216	1	F	Corrections and Addition of NR PICS	17.1.0
2021-06	RAN#92	R5-213552	0173	1	F	Add new UE capability for Rel-16 NR Mobility Enhancement	17.1.0
2021-06	RAN#92	R5-213575	0185	1	F	Addition of PICS for Rel-16 NPN	17.1.0
2021-06	RAN#92	R5-213581	0184	1	F	Addition of PICS for Test function for RACS	17.1.0
2021-06	RAN#92	R5-213602	0182	1	F	Update of Additional information	17.1.0
2021-06	RAN#92	R5-213642	0183	1	F	Addition of common ICS in A.4.3.7 for Rel-16 NSSAA	17.1.0
2021-06	RAN#92	R5-213646	0209	1	F	Addition of PICS for SST handling	17.1.0
2021-06	RAN#92	R5-213835	0212	1	F	CR to 38.508-2 on Optional 4x2 PC3 Antenna Array Configuration	17.1.0
2021-06	RAN#92	R5-213965	0181	1	F	Addition of CA_n41C-n79A	17.1.0

2021-06	RAN#92	R5-213966	0186	1	F	Addition of A.4.3.2A.5 for capabilities for NR inter-band CA within FR2	17.1.0
2021-06	RAN#92	R5-213967	0187	1	F	Addition of A.4.3.2A.6 for capabilities for NR inter-band CA between FR1 and FR2	17.1.0
2021-06	RAN#92	R5-213968	0190	1	F	Update of A.4.3.2A.2.1 for capabilities for NR intra-band contiguous CA within FR1	17.1.0
2021-06	RAN#92	R5-213969	0206	1	F	Introduction of CA_n48(2A)	17.1.0
2021-06	RAN#92	R5-214020	0172	1	F	Updating A.4.3.2C for Rel-17 SUL combinations	17.1.0
2021-06	RAN#92	R5-214027	0178	1	F	UL power boosting via suspended IBE requirements	17.1.0
2021-06	RAN#92	R5-214044	0213	1	F	CR to 38.508-2 on larger quiet zone with grey-box approach	17.1.0
2021-09	RAN#93	R5-214334	0220	-	F	Introduction of ICS for NR-U	17.2.0
2021-09	RAN#93	R5-214441	0221	-	F	Corrections and Addition of NR PICS	17.2.0
2021-09	RAN#93	R5-214565	0222	-	F	Addition of PICS for relaxed RRM measurement	17.2.0
2021-09	RAN#93	R5-214771	0226	-	F	Correction to NR capability	17.2.0
2021-09	RAN#93	R5-214934	0227	-	F	Introduce PICS for NR URLLC	17.2.0
2021-09	RAN#93	R5-215078	0232	-	F	Addition of PICS for V2X SL-MIMO test cases	17.2.0
2021-09	RAN#93	R5-215095	0233	-	F	Adding PICS for eMIMO demod test cases	17.2.0
2021-09	RAN#93	R5-215135	0236	-	F	Addition of capability for NR Sidelink Transmission Mode 2	17.2.0
2021-09	RAN#93	R5-215161	0237	-	F	Addition of PICS for Rel-16 release preference assistance information	17.2.0
2021-09	RAN#93	R5-215184	0238	-	F	Addition of UE capability for low PAPR DMRS	17.2.0
2021-09	RAN#93	R5-215281	0241	-	F	Introduction of CA_n71(2A)	17.2.0
2021-09	RAN#93	R5-215310	0242	-	F	Introduction of UE capabilities for R17 SUL band n97	17.2.0
2021-09	RAN#93	R5-215357	0244	-	F	Updating UE capability for NR inter-band EN-DC configurations	17.2.0
2021-09	RAN#93	R5-215581	0255	-	F	CR on Antenna Aperture Declarations	17.2.0
2021-09	RAN#93	R5-215838	0228	1	F	Addition of PICs for inter-RAT SFTD measurements	17.2.0
2021-09	RAN#93	R5-215839	0245	1	F	Update of A.4.3.2A.4.1 for implementation capabilities for NR inter-band CA within FR1 for two bands	17.2.0
2021-09	RAN#93	R5-215840	0246	1	F	Update of A.4.3.2A.4.2 for implementation capabilities for NR inter-band CA within FR1 for three bands	17.2.0
2021-09	RAN#93	R5-215841	0247	1	F	Update of A.4.3.2A.3.1 for implementation capabilities for NR intra-band non-contiguous CA within FR1	17.2.0
2021-09	RAN#93	R5-215842	0248	1	F	Update of A.4.3.2A.3.2 for implementation capabilities for NR intra-band non-contiguous CA within FR2	17.2.0
2021-09	RAN#93	R5-215843	0249	1	F	Update of A.4.3.2A.2.1 for implementation capabilities for NR intra-band contiguous CA within FR1	17.2.0
2021-09	RAN#93	R5-215844	0250	1	F	Update of A.4.3.2A.2.2 for implementation capabilities for NR intra-band contiguous CA within FR2	17.2.0
2021-09	RAN#93	R5-215930	0229	1	F	Addition of PICs for Mob_Enh TCs	17.2.0
2021-09	RAN#93	R5-215933	0225	1	F	Introduction of UE capabilities for UL full power Tx rel-16 for UL MIMO	17.2.0
2021-09	RAN#93	R5-215943	0231	1	F	Addition of PICs for NR HST TCs	17.2.0
2021-09	RAN#93	R5-215951	0234	1	F	Addition of PICS for URLLC test cases	17.2.0
2021-09	RAN#93	R5-215961	0239	1	B	Introduction of n24 and n99	17.2.0
2021-09	RAN#93	R5-215982	0235	1	F	Update of PC2 EN-DC configuration into 38.508-2	17.2.0
2021-09	RAN#93	R5-216028	0224	1	F	Correction to Physical Layer Baseline Implementation Capabilities	17.2.0
2021-09	RAN#93	R5-216106	0251	1	F	Editorial corrections of A.4.3.2B.2.3.1 for inter-band EN-DC within FR1	17.2.0
2021-09	RAN#93	R5-216115	0219	1	F	Updating UE capabilities for Rel-17 CA,DC,SUL band combinations within FR1 into TS 38.508-2	17.2.0
2021-09	RAN#93	R5-216257	0223	1	F	Introduction of common implementation conformance statements for Multi configured uplink grants in NR IIoT	17.2.0
2021-09	RAN#93	R5-216258	0253	1	F	Addition of PIC for IIoT SST	17.2.0
2021-09	RAN#93	R5-216271	0254	1	F	Addition of PIC for V2X SST	17.2.0
2021-12	RAN#94	R5-216465	0256	-	F	Introduction of PC1.5 n79 ICS	17.3.0
2021-12	RAN#94	R5-216466	0257	-	F	Introduction of PC2 n34 ICS	17.3.0
2021-12	RAN#94	R5-216467	0258	-	F	Introduction of PC2 n39 ICS	17.3.0
2021-12	RAN#94	R5-216554	0260	-	F	Addition of Power Class 1.5 implementation capability for n77 and n78	17.3.0
2021-12	RAN#94	R5-217009	0263	-	F	Add UE capability for NR MobEnh	17.3.0
2021-12	RAN#94	R5-217260	0269	-	F	Introduction of 9 new FR1 CA combos	17.3.0
2021-12	RAN#94	R5-217299	0270	-	F	Addition of physical baseline implementation capabilities for Rel-15 EN-DC configurations	17.3.0
2021-12	RAN#94	R5-217318	0271	-	F	Addition of ICS for UE type II PMI repoering capability	17.3.0
2021-12	RAN#94	R5-217352	0272	-	F	Update of A.4.3.1 for implementation capabilities for NR bands	17.3.0
2021-12	RAN#94	R5-217353	0273	-	F	Update of A.4.3.2A.2 for supported configurations for NR intra-band contiguous CA	17.3.0
2021-12	RAN#94	R5-217354	0274	-	F	Update of A.4.3.2A.3 for supported configurations for NR intra-band non-contiguous CA	17.3.0
2021-12	RAN#94	R5-217355	0275	-	F	Update of A.4.3.2A.4 for supported configurations for NR inter-band CA	17.3.0
2021-12	RAN#94	R5-217356	0276	-	F	Update of A.4.3.2B.2.1 for supported bandwidth classes for intra-band contiguous EN-DC configurations	17.3.0

2021-12	RAN#94	R5-217357	0277	-	F	Update of A.4.3.2B.2.2 for supported bandwidth classes for intra-band non-contiguous EN-DC configurations	17.3.0
2021-12	RAN#94	R5-217358	0278	-	F	Update of A.4.3.2B.2.3.1 to A.4.3.2B.2.3.5 for supported inter-band EN-DC configurations within FR1	17.3.0
2021-12	RAN#94	R5-217619	0281	-	F	Addition of capabilities for R16 EN-DC FR2 configurations with n260	17.3.0
2021-12	RAN#94	R5-217715	0283	-	F	Addition of PICS for NPN	17.3.0
2021-12	RAN#94	R5-217745	0284	-	F	Updating UE capabilities for Rel-16 DC band combinations within FR1 into TS 38.508-2	17.3.0
2021-12	RAN#94	R5-217802	0266	1	F	Introduce and update PICS	17.3.0
2021-12	RAN#94	R5-217889	0264	1	F	Addition of NR V2X Capability	17.3.0
2021-12	RAN#94	R5-218222	0279	1	F	Update of A.4.3.2B.2.3.6 to A.4.3.2B.2.3.9 for supported inter-band EN-DC configurations including FR2	17.3.0
2021-12	RAN#94	R5-218307	0280	1	F	Addition of PICS for enhanced type II CSI	17.3.0
2021-12	RAN#94	R5-218453	0268	1	F	Introduction of UE capabilities for new EN-DC comb within FR1	17.3.0
2022-03	RAN#95	R5-220199	0289	-	F	Update Physical Layer Baseline Implementation Capabilities for NE-DC	17.4.0
2022-03	RAN#95	R5-220205	0290	-	F	Addition of NR CA Physical Layer Baseline Implementation Capabilities for R16 CA_n3A-n41A	17.4.0
2022-03	RAN#95	R5-220210	0291	-	F	Addition of NR FR1 PC1.5 RF Baseline Implementation Capabilities for n41	17.4.0
2022-03	RAN#95	R5-220312	0292	-	F	Introduction of Rel-16 inter-band EN-DC two band configurations within FR1 for physical layer baseline implementation capabilities	17.4.0
2022-03	RAN#95	R5-220533	0293	-	F	Editorial correction to UE declaration of Bandwidth Class and BCS information	17.4.0
2022-03	RAN#95	R5-220633	0294	-	F	Introduction of UE capabilities for new EN-DC comb within FR1	17.4.0
2022-03	RAN#95	R5-220666	0295	-	F	Correction typo for Table A.4.3.2B.2.3.1-3a and Table A.4.3.8-1	17.4.0
2022-03	RAN#95	R5-220750	0296	-	F	Correction to PICS for PS TCs	17.4.0
2022-03	RAN#95	R5-220776	0297	-	F	Update of PC2 DC_8A-n78A Baseline Implementation Capabilities	17.4.0
2022-03	RAN#95	R5-220850	0298	-	F	Addition of new RACS PICS	17.4.0
2022-03	RAN#95	R5-220864	0299	-	F	Introducing Rel-17 2 band CA configurations for n24 and n41 to clause A.4.3.2A.4.1	17.4.0
2022-03	RAN#95	R5-220865	0300	-	F	Introducing Rel-17 2 band CA configurations for n24 and n48 to clause A.4.3.2A.4.1	17.4.0
2022-03	RAN#95	R5-220866	0301	-	F	Introducing Rel-17 2 band CA configurations for n24 and n77 to clause A.4.3.2A.4.1	17.4.0
2022-03	RAN#95	R5-220973	0303	-	F	Addition of physical baseline implementation capabilities for Rel-16 EN-DC configurations	17.4.0
2022-03	RAN#95	R5-221005	0305	-	F	Addition of PICS for FR2 CSI-RS based RLM	17.4.0
2022-03	RAN#95	R5-221006	0306	-	F	UE capabilities for completed NR CA configurations CA_n5A-n7A, CA_n5A-n78A and CA_n7A-n78A	17.4.0
2022-03	RAN#95	R5-221047	0307	-	F	Addition of A.4.3.2B.2.3.7 for DC_3A-42D_n257A and DC_3A-42E_n257A	17.4.0
2022-03	RAN#95	R5-221054	0308	-	F	Correction of A.4.3.2B.2 for intra-band contiguous and non-contiguous EN-DC	17.4.0
2022-03	RAN#95	R5-221055	0309	-	F	Correction of A.4.3.2B.2.3.4 for supported inter-band EN-DC configurations within FR1	17.4.0
2022-03	RAN#95	R5-221056	0310	-	F	Removal of supported BCS for inter-band EN-DC configurations including FR1 and FR2	17.4.0
2022-03	RAN#95	R5-221057	0311	-	F	Removal of supported BCS for inter-band EN-DC configurations including FR2	17.4.0
2022-03	RAN#95	R5-221058	0312	-	F	Removal of supported BCS for inter-band EN-DC configurations within FR1	17.4.0
2022-03	RAN#95	R5-221330	0317	-	F	Introduction of UE capabilities for Rel-17 EN-DC configurations	17.4.0
2022-03	RAN#95	R5-221427	0287	1	F	Introduction of common implementation conformance statements for NE-DC	17.4.0
2022-03	RAN#95	R5-221428	0315	1	F	Introduce and update PICS	17.4.0
2022-03	RAN#95	R5-221585	0314	1	F	Addition of new PICS for URLLC	17.4.0
2022-03	RAN#95	R5-221673	0285	1	F	Addition of PICS for frequencyShift7p5khz	17.4.0
2022-03	RAN#95	R5-221674	0313	1	F	Update of A.4.3.9 for Additional capabilities for UE declared capability	17.4.0
2022-03	RAN#95	R5-221793	0316	1	F	Addition of Condition for FR1 DL Interruptions test cases applicability	17.4.0
2022-03	RAN#95	R5-221830	0304	1	F	Addition of physical implementation capability for L1-SINR measurement	17.4.0
2022-03	RAN#95	R5-221853	0286	1	F	Addition of UE capability for maximum number of activated TCI states	17.4.0
2022-03	RAN#95	R5-221875	0288	1	F	Introduction of new R17 NR inter-band CA configurations in FR1	17.4.0
2022-03	RAN#95	R5-221876	0302	1	F	Addition of applicability tables of several NR CA combinations to FR1 inter-band configurations	17.4.0
2022-03	RAN#95	R5-221911	0318	1	F	Add UE capability enhancedUL-TransientPeriod	17.4.0
2022-06	RAN#96	R5-222266	0320	-	F	Addition of new PICS for 3GPP PS Data off	17.5.0
2022-06	RAN#96	R5-222284	0321	-	F	Introduction of Rel-16 inter-band EN-DC three band configurations within FR1 for physical layer baseline implementation capabilities	17.5.0
2022-06	RAN#96	R5-222459	0322	-	F	Addition of UE capability for NSSRG	17.5.0

2022-06	RAN#96	R5-222573	0323	-	F	Addition of CA_n29A-n71A applicability	17.5.0
2022-06	RAN#96	R5-222618	0324	-	F	Addition of PICS for NR SL Demod TCs	17.5.0
2022-06	RAN#96	R5-222695	0326	-	F	Addition of table for NR UL MIMO Capabilities	17.5.0
2022-06	RAN#96	R5-222817	0327	-	F	Add PICS for PUCCH Scell	17.5.0
2022-06	RAN#96	R5-222827	0328	-	F	Add PICS for RedCap test	17.5.0
2022-06	RAN#96	R5-222877	0329	-	F	Limiting MBR relaxation reporting to Rel-15 only	17.5.0
2022-06	RAN#96	R5-222950	0332	-	F	Introduce and update PICS	17.5.0
2022-06	RAN#96	R5-223046	0334	-	F	Update of ICS baseline for CA configurations	17.5.0
2022-06	RAN#96	R5-223105	0336	-	F	Add PICS for MBS test	17.5.0
2022-06	RAN#96	R5-223127	0338	-	F	Introducing R17 band configuration DC_n20A_n257A	17.5.0
2022-06	RAN#96	R5-223157	0339	-	F	Introduction of UE capabilities for additional Rel-17 EN-DC configurations with PC2 band	17.5.0
2022-06	RAN#96	R5-223164	0341	-	F	Introduction of UE capabilities for 3 band EN-DC configurations	17.5.0
2022-06	RAN#96	R5-223212	0343	-	F	Introduction of UE capabilities for additional Rel-17 NR CA and EN-DC configurations	17.5.0
2022-06	RAN#96	R5-223253	0348	-	F	Correction pc_dynamicPowerSharing to align with 38.306	17.5.0
2022-06	RAN#96	R5-223301	0350	-	F	Removal of redundant condition for FR1 DL Interruptions test cases applicability	17.5.0
2022-06	RAN#96	R5-223401	0333	1	F	Addition of Measurement Capabilities for Idle/Inactive measurements testcase	17.5.0
2022-06	RAN#96	R5-223654	0337	1	F	Introduction of UE capabilities for 2 band EN-DC configurations	17.5.0
2022-06	RAN#96	R5-223721	0325	1	F	Addition of PICS for NR HST RRM TCs	17.5.0
2022-06	RAN#96	R5-223733	0335	1	F	Addition of UE capabilities for Rel-17 NR inter-band EN-DC configurations including n1	17.5.0
2022-06	RAN#96	R5-223772	0340	1	F	Addition of PICS for TxD	17.5.0
2022-06	RAN#96	R5-223797	0319	1	F	Alignment of EN-DC Physical Layer Baseline Implementation Capabilities with 38.521-3	17.5.0
2022-06	RAN#96	R5-223798	0344	1	F	Correction to A.4.3.2C for NR SUL physical layer baseline implementation capabilities	17.5.0
2022-06	RAN#96	R5-223799	0345	1	F	Editorial correction to A.4.3.1 for RF baseline implementation capabilities	17.5.0
2022-06	RAN#96	R5-223800	0346	1	F	Editorial correction to A.4.3.9 for Additional capabilities for UE declared capability	17.5.0
2022-06	RAN#96	R5-223801	0347	1	F	Update to A.4.1 for addition of inter-band NE-DC within FR1 for NSA DC UE radio technologies	17.5.0
2022-09	RAN#97	R5-223988	0351	-	F	Update of A.4.3.2B.2.0 for EN-DC capabilities	17.6.0
2022-09	RAN#97	R5-224178	0354	-	F	Introduction of configurations for Inter-band NR-DC within FR1	17.6.0
2022-09	RAN#97	R5-224267	0359	-	F	Add UE new message 3 repetition implementation capability	17.6.0
2022-09	RAN#97	R5-224272	0360	-	F	Introduction of PC2 inter-band CA ICS for UL CA_n1A-n78A	17.6.0
2022-09	RAN#97	R5-224288	0361	-	F	Addition of PICS for NR Multi-SIM devices	17.6.0
2022-09	RAN#97	R5-224331	0362	-	F	Addition of new PICS for SDT feature	17.6.0
2022-09	RAN#97	R5-224593	0368	-	F	Addition of UE capability for slice based cell reselection	17.6.0
2022-09	RAN#97	R5-224833	0371	-	F	Addition of PC2 PICS for CA_41C	17.6.0
2022-09	RAN#97	R5-225041	0377	-	F	Update description for release column	17.6.0
2022-09	RAN#97	R5-225055	0378	-	F	Addition of 4Rx ICS Capability to FDD band n8	17.6.0
2022-09	RAN#97	R5-225187	0379	-	F	Addition of PICS for CLI test cases	17.6.0
2022-09	RAN#97	R5-225242	0382	-	F	Update of RF Baseline Implementation Capabilities for PC2 UE on FDD band	17.6.0
2022-09	RAN#97	R5-225270	0358	1	F	Editorial correction for Table A.4.3.7-1 and Table A.4.4-2	17.6.0
2022-09	RAN#97	R5-225301	0363	1	F	Addition of PICS for "SNPN Only" UE	17.6.0
2022-09	RAN#97	R5-225369	0365	1	F	Addition of new PICS dl-SchedulingOffset-PDSCH-TypeA	17.6.0
2022-09	RAN#97	R5-225370	0367	1	F	Add PICS for Rel-15 Inter-system mobility between untrusted Non-3GPP and 3GPP system	17.6.0
2022-09	RAN#97	R5-225371	0383	1	F	Addition of PICS for RRC DL segmentation	17.6.0
2022-09	RAN#97	R5-225685	0356	1	F	Update RF Baseline Implementation Capabilities for PC1.5 duty cycle	17.6.0
2022-09	RAN#97	R5-225688	0355	1	F	Update RF Baseline Implementation Capabilities for PC2 duty cycle	17.6.0
2022-09	RAN#97	R5-225700	0353	1	F	Introduction of DC_3A-7A-20A_n8A for physical layer baseline implementation capabilities	17.6.0
2022-09	RAN#97	R5-225701	0366	1	F	Addition of test capability for FR2 EN-DC TX Test Cases 5CC to 7CCs	17.6.0
2022-09	RAN#97	R5-225717	0357	1	F	Removing of n89, n91, n92, n93 and n94 from A.4.3.1	17.6.0
2022-09	RAN#97	R5-225732	0372	1	F	Addition of applicability statement for many 4CA NR combinations	17.6.0
2022-09	RAN#97	R5-225767	0380	1	F	Update PICS for RedCap UE	17.6.0
2022-09	RAN#97	R5-225783	0375	1	F	Corrections on 2 Rx antenna ports capabilities for band n29	17.6.0
2022-09	RAN#97	R5-225840	0381	1	F	Introduction of new UE ICS for UPLF test mode	17.6.0
2022-12	RAN#98	R5-225963	0384		F	Additional UE declared capabilities for new NR bands n91, n92, n93 and n94	17.7.0
2022-12	RAN#98	R5-226399	0388		F	Updates for NR CA_n2A-n77A, CA_n5A-n77A, CA_n66A-n77A	17.7.0
2022-12	RAN#98	R5-226625	0394		F	Update to Table A.4.3.2A.4.1-4: Inter-band CA within FR1 (two bands) PC2 UE RF Baseline Implementation Capabilities	17.7.0
2022-12	RAN#98	R5-226740	0398		F	Clean-up pending bands for R15 configurations	17.7.0
2022-12	RAN#98	R5-226741	0399		F	Clean-up pending bands for R16 configurations	17.7.0

2022-12	RAN#98	R5-226847	0404		F	Introducing SUL bands into NR FR1 UL MIMO Capabilities table	17.7.0
2022-12	RAN#98	R5-227276	0414		F	Introduction of CA_n48A-n77A and CA_n71A-n77A baseline capabilities	17.7.0
2022-12	RAN#98	R5-227336	0417		F	Updates to SET UL Message PICS	17.7.0
2022-12	RAN#98	R5-227411	0387	1	F	Addition of PICS for R15 SON_MDT	17.7.0
2022-12	RAN#98	R5-227450	0391	1	F	Addition of PICS for SNPN UEs supporting access identities definition	17.7.0
2022-12	RAN#98	R5-227472	0409	1	F	Addition of ethernet DNN-APN configuration set to PICS for EHC in 38.508-2	17.7.0
2022-12	RAN#98	R5-227475	0418		F	Addition of MAC implementation capabilities	17.7.0
2022-12	RAN#98	R5-227481	0390	1	F	Addition of new PICS for NTN feature	17.7.0
2022-12	RAN#98	R5-227500	0413	1	F	Addition of PICS for UE power saving enhancements	17.7.0
2022-12	RAN#98	R5-227513	0411	1	F	Addition of PICS for MBS TC	17.7.0
2022-12	RAN#98	R5-227521	0405	1	F	Addition of RedCap capabilities	17.7.0
2022-12	RAN#98	R5-227548	0393	1	F	Addition of PICS for support of (re-)configuration of an SCG during the resume procedure	17.7.0
2022-12	RAN#98	R5-227549	0410	1	F	Addition of UE capability clauses for idle mode measurements ENDC testcases	17.7.0
2022-12	RAN#98	R5-227585	0415	1	F	Addition of PICS for NR unlicensed	17.7.0
2022-12	RAN#98	R5-227588	0407	1	F	RedCap UE capability for Legacy test cases	17.7.0
2022-12	RAN#98	R5-227597	0401	1	F	Additional ICS for extendedBand-n77-r16	17.7.0
2022-12	RAN#98	R5-227598	0402	1	F	Additional ICS for extendedBand-n77-2-r17	17.7.0
2022-12	RAN#98	R5-227603	0389	1	F	Addition of test capability for PDCP UDC	17.7.0
2022-12	RAN#98	R5-227707	0396	1	F	Addition of PICS for NR-U	17.7.0
2022-12	RAN#98	R5-227708	0395	1	F	Addition of PICS for Redcap CSI test cases	17.7.0
2022-12	RAN#98	R5-227709	0397	1	F	Addition of DL1024QAM PICS	17.7.0
2022-12	RAN#98	R5-227710	0386	1	F	Addition of common ICS in A.4.3.11 for Rel-17 HST enh	17.7.0
2022-12	RAN#98	R5-227893	0406	1	F	Applicability for new Rel-16 FR2 RF requirements enhancements test cases	17.7.0
2022-12	RAN#98	R5-227894	0385	1	F	Addition of PICS for RedCap RRM TCs	17.7.0
2023-03	RAN#99	R5-230077	0419	-	F	Adding NR bands n100, n101 into RF Baseline Implementation Capabilities	17.8.0
2023-03	RAN#99	R5-230078	0420	-	F	Additional UE declared capabilities for new NR bands n100, n101	17.8.0
2023-03	RAN#99	R5-230097	0421	-	F	Clean-up mislabeling of FDD bands as TDD bands	17.8.0
2023-03	RAN#99	R5-230342	0429	-	F	Addition of test capability for PDCP UDC	17.8.0
2023-03	RAN#99	R5-230647	0432	-	F	Update the pc_maxNumberMIMO_LayersPDSCH	17.8.0
2023-03	RAN#99	R5-230775	0437	-	F	Update to BWP adaptation PICS	17.8.0
2023-03	RAN#99	R5-230803	0439	-	F	Editorial correction to pics naming convention	17.8.0
2023-03	RAN#99	R5-230891	0442	-	F	Update for 38.508-2 for DC_71A_n66A and DC_12A_n2A	17.8.0
2023-03	RAN#99	R5-231024	0445	-	F	Addition of PICS for measurement gap enhancements	17.8.0
2023-03	RAN#99	R5-231270	0447	-	F	Addition of new PICS for RAN enhancements for NR Slicing	17.8.0
2023-03	RAN#99	R5-231401	0436	1	F	Add Handover Capabilities for 5GC-N3IWF	17.8.0
2023-03	RAN#99	R5-231441	0426	1	F	Addition of PICS for support of multiple CEF reports	17.8.0
2023-03	RAN#99	R5-231458	0422	1	F	Addition of PICS for ATSSS devices	17.8.0
2023-03	RAN#99	R5-231473	0431	1	F	Addition of PICS for MBS TC	17.8.0
2023-03	RAN#99	R5-231513	0433	1	F	Addition of PICS for NR MUSIM RRC features	17.8.0
2023-03	RAN#99	R5-231525	0434	1	F	Addition of Rel-17 IIoT_URLLC capabilities	17.8.0
2023-03	RAN#99	R5-231558	0430	1	F	Addition of UE capability for IDC mechanism and early measurements	17.8.0
2023-03	RAN#99	R5-231572	0435	1	F	Add Measurement Capabilities for SFTD	17.8.0
2023-03	RAN#99	R5-231586	0449	1	F	Addition of PICS for RedCap UE	17.8.0
2023-03	RAN#99	R5-231605	0428	1	F	Addition of UE capability for new EN-DC comb within FR1	17.8.0
2023-03	RAN#99	R5-231606	0427	1	F	Addition of UE capability for new 3CC EN-DC comb within FR1	17.8.0
2023-03	RAN#99	R5-231607	0438	1	F	Adding n259 to Optional 4x2 PC3 Antenna Array Configuration	17.8.0
2023-03	RAN#99	R5-231635	0425	1	F	Introduction of CA_n41A-n66A.	17.8.0
2023-03	RAN#99	R5-231636	0446	1	F	Introduction of CA_n41A-n71A.	17.8.0
2023-03	RAN#99	R5-231777	0424	1	F	CR on Optional 6x6 PC5 Antenna Array Configuration	17.8.0
2023-03	RAN#99	R5-231797	0441	1	F	Update for 38.508-2 for DC_71A_n2A	17.8.0
2023-03	RAN#99	R5-231853	0440	1	F	Addition of NR-U capabilities	17.8.0
2023-03	RAN#99	R5-231974	0444	2	F	Introduction of informative Annex for status of NR bands, and NR CA, NR-DC, EN-DC, NE-DC and NR SUL configurations	17.8.0
2023-03	RAN#99	R5-231974	0444	2	F	added attachment "PRD21 5G NR bands and CADC configurations list v1.4.0"	17.8.1
2023-06	RAN#100	R5-232058	0450	-	F	Correction to DAPS PICS	17.9.0
2023-06	RAN#100	R5-232108	0451	-	F	Introduction of CA_n28A-n78A for physical layer baseline implementation capabilities	17.9.0
2023-06	RAN#100	R5-232189	0452	-	F	Addition of new PICS for Enhancement of data collection for SON/MDT in NR standalone	17.9.0
2023-06	RAN#100	R5-232238	0453	-	F	Addition and support of power class 6 UEs for HST FR2	17.9.0
2023-06	RAN#100	R5-232239	0454	-	F	Update inter-band NR CA 3DL configurations of CA_n2A-n5A-n77A, CA_n2A-n66A-n77A, and CA_n5A-n66A-n77A	17.9.0
2023-06	RAN#100	R5-232320	0456	-	F	Update of MAC implementation capabilities	17.9.0

2023-06	RAN#100	R5-232362	0457	-	F	Addition of UE capability for new 2CC and 3CC EN-DC comb within FR2	17.9.0
2023-06	RAN#100	R5-232363	0458	-	F	Addition of UE capability for new EN-DC comb within FR2	17.9.0
2023-06	RAN#100	R5-232498	0460	-	F	Addition of PICS for NR cov enh SIG TCs	17.9.0
2023-06	RAN#100	R5-232624	0461	-	F	Update 38.508-2 for CA_n2A-n5A and CA_n2A-n48A	17.9.0
2023-06	RAN#100	R5-232655	0462	-	F	Update of ICS baseline for CA_n3A-n8A	17.9.0
2023-06	RAN#100	R5-232731	0464	-	F	Addition of NR FR1 bands with UL MIMO capabilities	17.9.0
2023-06	RAN#100	R5-232793	0466	-	F	Addition of CA_n39A-n41A RF Baseline Implementation Capabilities	17.9.0
2023-06	RAN#100	R5-232798	0468	-	F	Addition of R17 new CA PC3 config RF Baseline Implementation Capabilities	17.9.0
2023-06	RAN#100	R5-232822	0469	-	F	Update NR band and CADC configs status in ICS Annex B	17.9.0
2023-06	RAN#100	R5-232837	0470	-	F	Adding ICS for UE MMSE-IRC receiver capability	17.9.0
2023-06	RAN#100	R5-232875	0472	-	F	Introduction of CA_n5A-n66A and CA_n41A-n66A-n71A.	17.9.0
2023-06	RAN#100	R5-232929	0474	-	F	Capability of REL17 Relaxed measurements in IDLE for RedCap	17.9.0
2023-06	RAN#100	R5-232947	0475	-	F	Addition of PICS for MBS TC	17.9.0
2023-06	RAN#100	R5-232965	0476	-	F	Add PICS for EPS UPIP	17.9.0
2023-06	RAN#100	R5-233031	0477	-	F	Adding PICS for enhanced beam correspondence	17.9.0
2023-06	RAN#100	R5-233034	0478	-	F	Adding PICS of PC7	17.9.0
2023-06	RAN#100	R5-233054	0480	-	F	Addition of PICS for NR feMIMO test cases	17.9.0
2023-06	RAN#100	R5-233188	0481	-	F	Editorial correction to Table A.4.3.2A.2.1-4	17.9.0
2023-06	RAN#100	R5-233189	0482	-	F	Additional support value to maxNumberSRS-Ports-PerResource element	17.9.0
2023-06	RAN#100	R5-233202	0483	-	F	Addition of PICS for UE support of Uncrewed Aerial Systems	17.9.0
2023-06	RAN#100	R5-233320	0463	1	F	Addition of PICS for support of mpsPriorityIndication on RRC release with redirect	17.9.0
2023-06	RAN#100	R5-233471	0459	1	F	Addition of PICS for Rel-17 eNPN	17.9.0
2023-06	RAN#100	R5-233502	0479	1	F	Adding PICS for DL interruption	17.9.0
2023-06	RAN#100	R5-233505	0471	1	F	Addition of PICS for CLI test case	17.9.0
2023-06	RAN#100	R5-233508	0455	1	F	Update inter-band NR CA PC2 configurations of CA_n2A-n77A, CA_n5A-n77A, and CA_n66A-n77A	17.9.0
2023-06	RAN#100	R5-233509	0467	1	F	Addition of R17 new CA PC2 configs RF Baseline Implementation Capabilities	17.9.0
2023-06	RAN#100	R5-233529	0465	2	F	Update of physical layer baseline capabilities for CA_n28A-n78A	17.9.0
2023-06	RAN#100	R5-233735	0473	2	F	Update of Table A.4.3.2B.2.3.2-2 and A.4.3.2B.2.3.3-2 for new 3/4 band EN-DC comb	17.9.0
2023-09	RAN#101	R5-233904	0486	-	F	Addition of PICS for MUSIM Test Function	17.10.0
2023-09	RAN#101	R5-233945	0487	-	F	Introduction of CA_n20A-n78A for physical layer baseline implementation capabilities	17.10.0
2023-09	RAN#101	R5-233964	0488	-	F	Adding RF Baseline Implementation Capabilities for the new NR band n13	17.10.0
2023-09	RAN#101	R5-234009	0490	-	F	Addition of PICS for Rel-16 SPS test cases	17.10.0
2023-09	RAN#101	R5-234053	0491	-	F	Update baseline capability for DC_48A_n46A	17.10.0
2023-09	RAN#101	R5-234077	0492	-	F	Addition of UE capability for new EN-DC combos within FR2	17.10.0
2023-09	RAN#101	R5-234103	0493	-	F	New Additional information for MDT enhance	17.10.0
2023-09	RAN#101	R5-234193	0495	-	F	Update for inter-band NR CA_n2A-n66A	17.10.0
2023-09	RAN#101	R5-234195	0496	-	F	Update inter-band NR CA 3DL configurations with additional band combos	17.10.0
2023-09	RAN#101	R5-234202	0497	-	F	Update inter-band NR CA PC2 3DL 2UL configurations	17.10.0
2023-09	RAN#101	R5-234336	0502	-	F	Addition of HighSpeedMeasFlagFR2-r17 UE capability for PC6 devices	17.10.0
2023-09	RAN#101	R5-234426	0505	-	F	Addition of PICS for RRM enh TCs	17.10.0
2023-09	RAN#101	R5-234448	0506	-	F	Addition of several NR CA combos to supported configurations tables	17.10.0
2023-09	RAN#101	R5-234461	0507	-	F	Add pics for MBS new TC.	17.10.0
2023-09	RAN#101	R5-234478	0508	-	F	Add new pics for the capability of transmission two PUCCH formats in TDM in the same slot	17.10.0
2023-09	RAN#101	R5-234479	0509	-	F	Add new pics for PDU session authentication and authroization using EAP_AKA_Prime	17.10.0
2023-09	RAN#101	R5-234504	0510	-	F	Addition of R17 new EN-DC PC2 config RF Baseline Implementation Capability for DC_28A_n78A	17.10.0
2023-09	RAN#101	R5-234633	0511	-	F	Introduction of UE capabilities for additional Rel-17 EN-DC configurations with PC2 band	17.10.0
2023-09	RAN#101	R5-234691	0514	-	F	Update of A.4.3.2B.2.3 for new EN-DC capabilities within FR1	17.10.0
2023-09	RAN#101	R5-234785	0520	-	F	Addition of PICS indication for simultaneous RxTx capability	17.10.0
2023-09	RAN#101	R5-235281	0484	1	F	Correction of Annex A	17.10.0
2023-09	RAN#101	R5-235339	0485	1	F	Addition of PICS for NTN test cases	17.10.0
2023-09	RAN#101	R5-235358	0527	-	F	Addition of PICS of Emergency Services and PLMN access in SNPN mode for Rel-17 eNPN	17.10.0
2023-09	RAN#101	R5-235374	0515	1	F	Addition of Sidelink Capabilities for NR sidelink U2N Relay	17.10.0
2023-09	RAN#101	R5-235608	0501	1	F	Addition of UE capability for CA_n28A-n77A	17.10.0
2023-09	RAN#101	R5-235609	0525	1	F	Corrections on notation for SUL Physical Layer Baseline Implementation Capabilities	17.10.0
2023-09	RAN#101	R5-235610	0513	1	F	Addition of PICS for Shared Spectrum	17.10.0

2023-09	RAN#101	R5-235611	0521	1	F	Addition of PICS for unified TCI state switch delay	17.10.0
2023-09	RAN#101	R5-235612	0526	1	F	Introduction Rel-17 Relaxed measurements capabilities for power saving enhancement	17.10.0
2023-09	RAN#101	R5-235613	0522	1	F	Addition of PICS for 2Tx switching	17.10.0
2023-09	RAN#101	R5-235614	0503	1	F	Addition of UE capability indicating supporting aperiodic CSI-RS for tracking for fast SCell activation and conditional PSCell addition in ENDC	17.10.0
2023-09	RAN#101	R5-235615	0500	1	F	Addition of UE capability for CA_n3A-n77A	17.10.0
2023-09	RAN#101	R5-235616	0518	1	F	Update NR band and CADC configs status in ICS Annex B	17.10.0
2023-09	RAN#101	R5-235845	0519	1	F	Addition of UE capability indicating support of simultaneous transmission and reception in TDD-TDD and TDD-FDD inter-band NR CA	17.10.0
2023-09	RAN#101	R5-235846	0504	1	F	Editorial updates to 38.508-2 tables	17.10.0
2023-09	RAN#101	R5-234293	0499	-	F	Addition of R18 new NR-CA PC2 configs RF Baseline Implementation Capabilities	18.0.0
2023-09	RAN#101	R5-234741	0516	-	F	Addition of PC1.5 n34 and n40 ICS	18.0.0
2023-09	RAN#101	R5-234752	0517	-	F	Deletion of NonCB ICS	18.0.0
2023-09	RAN#101	R5-235120	0524	-	F	Addition of n8 with UL MIMO capabilities	18.0.0
2023-09	RAN#101	R5-235607	0498	1	F	Addition of R18 new NR-DC PC2 configs RF Baseline Implementation Capabilities	18.0.0
2023-12	RAN#102	R5-236090	0532		F	Introduction of railway bands n100 and n101 PC1 for physical layer baseline implementation capabilities	18.1.0
2023-12	RAN#102	R5-236211	0535		F	Correction of HighSpeedMeasFlagFR2-r17 UE capability	18.1.0
2023-12	RAN#102	R5-236301	0537		F	Renaming of pc_pusch_RepetitionCRC_r17	18.1.0
2023-12	RAN#102	R5-236306	0538		F	Clarification of the UE implementation related PICS	18.1.0
2023-12	RAN#102	R5-236349	0539		F	Addition of several EN-DC combos to supported configurations tables	18.1.0
2023-12	RAN#102	R5-236368	0541		F	Update additional ENDC inter-band configurations	18.1.0
2023-12	RAN#102	R5-236375	0543		F	Update additional NR CA two band configurations	18.1.0
2023-12	RAN#102	R5-236402	0544		F	Update of A.4.3.2B.2.3 for new EN-DC capabilities within FR1	18.1.0
2023-12	RAN#102	R5-236671	0550		F	Update NR band and CADC configs status in ICS Annex B	18.1.0
2023-12	RAN#102	R5-236678	0551		F	Addition of PICS for RedCap RRM TCs	18.1.0
2023-12	RAN#102	R5-236787	0552		F	Addition of PICS for ING_5GS feature	18.1.0
2023-12	RAN#102	R5-236874	0553		F	Addition of physical layer baseline capabilities for MR-DC enhancements	18.1.0
2023-12	RAN#102	R5-236901	0554		F	Addition of supported intra-band contiguous CA configurations with UL MIMO	18.1.0
2023-12	RAN#102	R5-236931	0555		F	Adding new FR2 CA BW class capabilities to A.4.3.2A.3.2 for intra-band contiguous CA	18.1.0
2023-12	RAN#102	R5-237025	0556		F	Introduction of measurement with no gap capability	18.1.0
2023-12	RAN#102	R5-237068	0557		F	Adding PICS for PC2 UL CA configuration CA_n78C	18.1.0
2023-12	RAN#102	R5-237134	0559		F	CR to implement 6x2 Grids	18.1.0
2023-12	RAN#102	R5-237327	0534	1	F	Correction to condition of FR2 PICS	18.1.0
2023-12	RAN#102	R5-237328	0546	1	F	Addition of new PICS for MICO mode support	18.1.0
2023-12	RAN#102	R5-237329	0548	1	F	Correction to PICS for NR mpsPriorityIndication support	18.1.0
2023-12	RAN#102	R5-237395	0533	1	F	Addition of PICS for NR feMIMO test cases	18.1.0
2023-12	RAN#102	R5-237396	0540	1	F	Addition of PICS for SRS partial sounding	18.1.0
2023-12	RAN#102	R5-237605	0545	1	F	Addition of R18 new EN-DC PC2 config RF Baseline Implementation Capability for n78 and n79	18.1.0
2023-12	RAN#102	R5-237606	0528	1	F	Addition of UE capability for new R16 NR CA configurations	18.1.0
2023-12	RAN#102	R5-237607	0530	1	F	Introduction of CA_n1A-n3A-n28A-n78A for physical layer baseline implementation capabilities	18.1.0
2023-12	RAN#102	R5-237608	0529	1	F	Addition of UE capability for new R17 NR CA configurations	18.1.0
2023-12	RAN#102	R5-237609	0531	1	F	Introduction of CA_n25A-n66A-n77(2A) and CA_n25A-n66A-n78(2A) for physical layer baseline implementation capabilities	18.1.0
2023-12	RAN#102	R5-237610	0542	1	F	Updates for NR CA four band configurations	18.1.0
2023-12	RAN#102	R5-237611	0560	1	F	Addition of parallel measurement gap PICS for NTN	18.1.0
2023-12	RAN#102	R5-237612	0549	1	F	Addition of PC1.5 CA_n41C ICS	18.1.0
2023-12	RAN#102	R5-237613	0561	1	F	Addition of scheduling restrictions PICS	18.1.0
2024-03	RAN#103	R5-240027	0562	-	F	Addition of PICS for Rel-17 ATSSS devices	18.2.0
2024-03	RAN#103	R5-240093	0565	-	F	Update NR band and CADC configs status in ICS Annex B	18.2.0
2024-03	RAN#103	R5-240173	0567	-	F	Correction to HPUE PICS Mnemonic	18.2.0
2024-03	RAN#103	R5-240276	0570	-	F	Addition of UE capability for new R16 NR CA combos within FR1	18.2.0
2024-03	RAN#103	R5-240277	0571	-	F	Addition of UE capability for new R17 NR CA combos within FR1	18.2.0
2024-03	RAN#103	R5-240313	0573	-	F	Introducing indicator for Power Class of CA configuration with single uplink carrier	18.2.0
2024-03	RAN#103	R5-240316	0574	-	F	Introducing SUL configuration SUL_n78A-n81A	18.2.0
2024-03	RAN#103	R5-240330	0575	-	F	Addition of RF baseline implementation capabilities for new PC2 EN-DC combos within FR1	18.2.0
2024-03	RAN#103	R5-240335	0576	-	F	Editorial correction to note numbering for inter-band EN-DC capabilities table	18.2.0
2024-03	RAN#103	R5-240410	0581	-	F	Addition of UE capability for new EN-DC comb within FR2	18.2.0
2024-03	RAN#103	R5-240425	0582	-	F	Add PICS for PEIPS	18.2.0

2024-03	RAN#103	R5-240461	0583	-	F	Introduction of CA_n66A-n71A-n77(2A) and CA_n66A-n71A-n78(2A) for physical layer baseline implementation capabilities	18.2.0
2024-03	RAN#103	R5-240522	0586	-	F	Update the existing PICS of inter-band CA between FR1 and FR2	18.2.0
2024-03	RAN#103	R5-240887	0593	-	F	Update additional FR1 NR CA inter-band band configurations	18.2.0
2024-03	RAN#103	R5-241029	0599	-	F	Update to PICS for R17 FR1 enhancement	18.2.0
2024-03	RAN#103	R5-241165	0600	-	F	Removal of duplicated RSSI measurements and channel occupancy reporting parameter	18.2.0
2024-03	RAN#103	R5-241259	0601	-	F	Addition of RF baseline implementation capability of PC2 config n8	18.2.0
2024-03	RAN#103	R5-241262	0602	-	F	Addition of n5 with UL MIMO capabilities	18.2.0
2024-03	RAN#103	R5-241270	0603	-	F	Addition of PICS to support NTN RRM	18.2.0
2024-03	RAN#103	R5-241491	0587	1	F	Updates to align PICS mnemonics	18.2.0
2024-03	RAN#103	R5-241581	0578	1	F	Addition of capability for UEs to support steering of roaming SNPN selection information (SOR-SNPN-SI) and steering of roaming connected mode control information (SOR-CMCI) for Rel-17 eNPN	18.2.0
2024-03	RAN#103	R5-241600	0584	1	F	Addition of new pics for NR sidelink U2N Relay PDU session establishment	18.2.0
2024-03	RAN#103	R5-241601	0579	1	F	Addition of UE capability for inter-SN conditional PSCell change	18.2.0
2024-03	RAN#103	R5-241631	0591	1	F	Addition of new PICS for UE supporting extended rejected NSSAI (ER-NSSAI)	18.2.0
2024-03	RAN#103	R5-241649	0597	1	F	Addition of NR NTN TA reporting PICS	18.2.0
2024-03	RAN#103	R5-241674	0585	2	F	Addition of feMIMO physical layer baseline implementation capabilities	18.2.0
2024-03	RAN#103	R5-241707	0598	1	F	Adding PICS for V2X testing	18.2.0
2024-03	RAN#103	R5-241709	0592	1	F	Update for additional NR-DC band configurations	18.2.0
2024-03	RAN#103	R5-241710	0596	1	F	Editorial correction to supported EN-DC configuration table	18.2.0
2024-03	RAN#103	R5-241711	0604	1	F	Addition of PICS for UL LBT Failure Detection and Recovery	18.2.0
2024-03	RAN#103	R5-241714	0594	1	F	Update for additional band configurations with PC2 UL	18.2.0
2024-03	RAN#103	R5-241715	0563	1	F	Introduction of common ICS for ATG	18.2.0
2024-03	RAN#103	R5-241720	0595	1	F	Update for additional ENDC band configurations with PC2 UL	18.2.0
2024-03	RAN#103	R5-241724	0577	1	F	Addition of Sidelink Capabilities to support direct to indirect path switch for NR sidelink U2N Relay	18.2.0
2024-03	RAN#103	R5-241909	0580	1	F	Addition of NR NTN capabilities	18.2.0
2024-03	RAN#103	R5-242023	0564	1	F	Introduction of common ICS for PC1.5 n39	18.2.0
2024-06	RAN#104	R5-242133	0608	-	F	Correction to the note of NR NTN PICS	18.3.0
2024-06	RAN#104	R5-242243	0611	-	F	Addition of UE capability for CA_n3A-n28A-n41A-n77A	18.3.0
2024-06	RAN#104	R5-242255	0613	-	F	Editorial correction of UE capability for R16 EN-DC combs within FR1	18.3.0
2024-06	RAN#104	R5-242289	0614	-	F	Editorial correction of n66 with UL MIMO capabilities	18.3.0
2024-06	RAN#104	R5-242324	0615	-	F	Deletion of PICS pc_pdsch_MappingTypeA	18.3.0
2024-06	RAN#104	R5-242325	0616	-	F	Updates to align PICS mnemonics	18.3.0
2024-06	RAN#104	R5-242370	0618	-	F	Introduction of band n106 for physical layer baseline implementation capabilities	18.3.0
2024-06	RAN#104	R5-242380	0619	-	F	Introduction of bands n7 and n78 PC1 for physical layer baseline implementation capabilities	18.3.0
2024-06	RAN#104	R5-242434	0620	-	F	Fix the release information for a NR CA PC2 band configuration	18.3.0
2024-06	RAN#104	R5-242449	0621	-	F	Update for additional ENDC band configuration	18.3.0
2024-06	RAN#104	R5-242451	0622	-	F	Update for additional ENDC band configurations	18.3.0
2024-06	RAN#104	R5-242765	0632	-	F	Addition of NR NTN PICS	18.3.0
2024-06	RAN#104	R5-242784	0633	-	F	Removal of defination and abbreviation for IXIT and PIXIT	18.3.0
2024-06	RAN#104	R5-242787	0634	-	F	Update of Rx antenna ports associated declaration	18.3.0
2024-06	RAN#104	R5-242865	0637	-	F	Addition of PICS for MCE RRM test cases	18.3.0
2024-06	RAN#104	R5-243068	0639	-	F	Update NR band and CAD config status in ICS Annex B	18.3.0
2024-06	RAN#104	R5-243132	0642	-	F	Addition of PICS for TxD for NR FR1 bands	18.3.0
2024-06	RAN#104	R5-243287	0646	-	F	Update on A.4.1 and A.4.3.1 for FR1-NTN implementation types and RF baseline capabilities	18.3.0
2024-06	RAN#104	R5-243398	0647	-	F	Correction to NTN PICS	18.3.0
2024-06	RAN#104	R5-243495	0636	1	F	Add new PICS for RedCap HD-FDD TC	18.3.0
2024-06	RAN#104	R5-243496	0625	1	F	Editorial changes to tables of 38.508-2	18.3.0
2024-06	RAN#104	R5-243530	0630	1	F	Addition of PICS for ING_5GS test cases	18.3.0
2024-06	RAN#104	R5-243543	0643	1	F	Addition of PICS for FeMIMO	18.3.0
2024-06	RAN#104	R5-243582	0640	1	F	Addition of new PICS for IDC mechanism	18.3.0
2024-06	RAN#104	R5-243606	0638	1	F	Addition of physical layer baseline implementation capabilities for 3Tx NR CA and EN-DC	18.3.0
2024-06	RAN#104	R5-243607	0645	1	F	Addition of CA_n1A-n8A-n78A, CA_n3A-n8A-n78A into NR inter-band CA within FR1 three bands	18.3.0
2024-06	RAN#104	R5-243608	0623	1	F	Update for additional NRCA band configurations	18.3.0
2024-06	RAN#104	R5-243609	0612	1	F	Addition and correction of RF baseline implementation capabilities for PC2 EN-DC combs within FR1	18.3.0
2024-06	RAN#104	R5-243610	0624	1	F	Addition of n41 PC1 RF baseline ICS	18.3.0
2024-06	RAN#104	R5-243611	0617	1	F	Introduction of band n85 for physical layer baseline implementation capabilities	18.3.0
2024-06	RAN#104	R5-243612	0648	1	F	ICS updates pertaining to RF phase continuity conformance tests	18.3.0

2024-06	RAN#104	R5-243657	0629	1	F	Addition of capability declaration for DC_66A-66A_n66A, DC_2A-2A_n66A, DC_66A-66A-66A_n77A, DC_66A-66A-66A_n77(2A) and DC_66A-66A_n2A	18.3.0
2024-06	RAN#104	R5-243811	0628	1	F	Addition of capability declaration for CA_n2A-n30A, CA_n5A-n30A, CA_n30A-n66A and CA_n30A-n77A	18.3.0
2024-06	RAN#104	R5-243812	0610	1	F	Addition of UE capability for CA_n28A-n40A	18.3.0
2024-06	RAN#104	R5-243953	0644	1	F	Addition of capability clauses for inter-SN CPC testcases for EN-DC and NR-DC	18.3.0
2024-09	RAN#105	R5-244058	0649	-	F	Addition and correction of RF baseline implementation capabilities for PC2 NRCA and EN-DC combs within FR1	18.4.0
2024-09	RAN#105	R5-244059	0650	-	F	Addition of RF baseline implementation capabilities for PC2 CA_n41A-n77A	18.4.0
2024-09	RAN#105	R5-244095	0651	-	F	Addition of UE capability for CA_n28A-n41A-n77A	18.4.0
2024-09	RAN#105	R5-244222	0655	-	F	Removal of band n104 from Table A.4.3.9-4e	18.4.0
2024-09	RAN#105	R5-244223	0656	-	F	Removal of Intra-band EN-DC bandwidth class PICS	18.4.0
2024-09	RAN#105	R5-244225	0658	-	F	Correction to the release of RF PICS	18.4.0
2024-09	RAN#105	R5-244233	0659	-	F	Correction to Tables A.4.3.13-1 and A.4.3.14-1	18.4.0
2024-09	RAN#105	R5-244234	0660	-	F	Correction to MAC PICS	18.4.0
2024-09	RAN#105	R5-244324	0662	-	F	Update for additional NR-DC band configurations between FR1 and FR2	18.4.0
2024-09	RAN#105	R5-244327	0663	-	F	Updates for test configuration of CA_n2A-n5A-n66A	18.4.0
2024-09	RAN#105	R5-244389	0664	-	F	Introduction of bands n31 and n72 for physical layer baseline implementation capabilities	18.4.0
2024-09	RAN#105	R5-244497	0665	-	F	Update PICS of CA_n28A-n41C	18.4.0
2024-09	RAN#105	R5-244502	0666	-	F	Update PICS of CA_n41A-n79C	18.4.0
2024-09	RAN#105	R5-244510	0667	-	F	Update NR band and CADC configs status in ICS Annex B	18.4.0
2024-09	RAN#105	R5-244537	0668	-	F	Introduction of bands n25, n40, n66, n71, n77, n85 PC1 for physical layer baseline implementation capabilities	18.4.0
2024-09	RAN#105	R5-244541	0669	-	F	Addition of many EN-DC combos applicability declaration	18.4.0
2024-09	RAN#105	R5-244553	0671	-	F	Addition of new capabilities needed for UE operating on a cell with less than 5MHz channel bandwidth	18.4.0
2024-09	RAN#105	R5-244603	0674	-	F	Addition of PICS for MCE test cases	18.4.0
2024-09	RAN#105	R5-244618	0675	-	F	Addition of PICS for R16 Tx switch test cases	18.4.0
2024-09	RAN#105	R5-244623	0676	-	F	Addition of PICS for R17 Tx switch test cases	18.4.0
2024-09	RAN#105	R5-244768	0681	-	F	Introduction of NR SRS Carrier Switching and LTE SRS Carrier Switching Capability	18.4.0
2024-09	RAN#105	R5-244795	0682	-	F	Add new PICS for multi-PUSCH CG test case	18.4.0
2024-09	RAN#105	R5-244853	0685	-	F	Addition of SIG PICS for Further NR mobility enhancements	18.4.0
2024-09	RAN#105	R5-244872	0687	-	F	Adding PICS for new R17 SUL configurations	18.4.0
2024-09	RAN#105	R5-245053	0691	-	F	Addition of capability clauses for non-integer DRX operation testcases	18.4.0
2024-09	RAN#105	R5-245069	0692	-	F	Addition of test frequency for R16 Inter-band EN-DC FR1 configurations with three bands	18.4.0
2024-09	RAN#105	R5-245072	0693	-	F	Addition of declaration for Inter-band EN-DC FR1 DC_2A-66A-n66A_n2A	18.4.0
2024-09	RAN#105	R5-245085	0694	-	F	Introduction of band n54 for physical layer baseline implementation capabilities	18.4.0
2024-09	RAN#105	R5-245379	0700	-	F	Addition of PICS for gap pattern 13 and 14	18.4.0
2024-09	RAN#105	R5-245487	0703	-	F	Add new PICS for interFreqDAPS feature	18.4.0
2024-09	RAN#105	R5-245497	0680	1	F	Add new PICS for R17 eDRX in RRC_INACTIVE	18.4.0
2024-09	RAN#105	R5-245548	0654	1	F	Introduction of PICS for MT-SDT	18.4.0
2024-09	RAN#105	R5-245551	0677	1	F	Addition of PICS for MSG1 repetition test cases	18.4.0
2024-09	RAN#105	R5-245594	0686	1	F	Add capability for application layer measurements	18.4.0
2024-09	RAN#105	R5-245599	0697	1	F	Addition of 2Rx XR PICS	18.4.0
2024-09	RAN#105	R5-245623	0673	1	F	Addition of PICS for Rel-18 MUSIM devices	18.4.0
2024-09	RAN#105	R5-245625	0679	1	F	Add new PICS for eRedCap and R18 eDRX test case	18.4.0
2024-09	RAN#105	R5-245639	0678	1	F	Add new PICS for DCI format 1_3 and 0_3	18.4.0
2024-09	RAN#105	R5-245659	0702	1	F	Introduction of new PICS item for Support of UICC Modification via AT Command	18.4.0
2024-09	RAN#105	R5-245804	0689	1	F	Addition to A.4.3.9 for band n25 for 4Rx antenna ports capabilities	18.4.0
2024-09	RAN#105	R5-245805	0698	1	F	Addition of 8Rx PICS	18.4.0
2024-09	RAN#105	R5-245806	0670	1	F	Addition of new PC6 UE capability for Rel-18 HST FR2 test cases	18.4.0
2024-09	RAN#105	R5-245807	0688	1	F	Updating PICS for R18 dynamic UL Tx switching across up to 4 bands	18.4.0
2024-09	RAN#105	R5-245808	0653	1	F	Addition of ICS for enhanced DMRS capability	18.4.0
2024-09	RAN#105	R5-245809	0672	1	F	Addition of new capabilities for adding DL and UL MIMO evolution test cases	18.4.0
2024-09	RAN#105	R5-245810	0684	1	F	Addition of RF PICS for Further NR mobility enhancements	18.4.0
2024-09	RAN#105	R5-245811	0699	1	F	Addition of eRedCap capabilities	18.4.0
2024-09	RAN#105	R5-245975	0696	1	F	Addition of Physical Implementation Capabilities for Cell DTX and DRX operation	18.4.0
2024-09	RAN#105	R5-246007	0652	1	F	Addition of ICS for advanced receiver for MU-MIMO capabilities	18.4.0
2024-09	RAN#105	R5-246036	0695	1	F	Addition of FDD 4Rx antenna ports capabilities for handheld UE	18.4.0

2024-12	RAN#106	R5-246122	0704	-	F	Editorial changes to tables of 38.508-2	18.5.0
2024-12	RAN#106	R5-246123	0705	-	F	Addition of RF baseline implementation capabilities for new PC2 3CC EN-DC combos within FR1	18.5.0
2024-12	RAN#106	R5-246129	0706	-	F	Addition of UE capability for new R16 2CC NRCA combos with n40	18.5.0
2024-12	RAN#106	R5-246130	0707	-	F	Addition of UE capability for CA_n40A-n77A	18.5.0
2024-12	RAN#106	R5-246248	0708	-	F	Addition of UE capability for new 3CC NRCA combos within FR1	18.5.0
2024-12	RAN#106	R5-246346	0712	-	F	Updates to RF PICS for Further NR mobility enhancements	18.5.0
2024-12	RAN#106	R5-246351	0713	-	F	Corrections to RF PICS	18.5.0
2024-12	RAN#106	R5-246366	0714	-	F	Addition of PICS for RedCap UE	18.5.0
2024-12	RAN#106	R5-246404	0716	-	F	New APN/DNN PICS for UAS operation	18.5.0
2024-12	RAN#106	R5-246452	0718	-	F	Introduction of UL-MIMO bands n13, n26, n85, n105 for ICS	18.5.0
2024-12	RAN#106	R5-246466	0719	-	F	Corrections to Table A.4.4-2A for UE APN/DNN Implementation details	18.5.0
2024-12	RAN#106	R5-246468	0720	-	F	CR 38.508-2 Definition of many NR CA combos with 2 bands and 3 bands	18.5.0
2024-12	RAN#106	R5-246518	0723	-	F	Introduction of additional capabilities for bands n13 and n85	18.5.0
2024-12	RAN#106	R5-246541	0725	-	F	Addition of reference to the Machine-readable PICS	18.5.0
2024-12	RAN#106	R5-246569	0726	-	F	Removal of n38 from Table A.4.3.1-9 NR Sidelink FR1 RF Baseline Implementation Capabilities	18.5.0
2024-12	RAN#106	R5-246601	0728	-	F	Update PICS for eRedCap UE	18.5.0
2024-12	RAN#106	R5-246703	0730	-	F	Addition of UE capability for R18 IDC FDM solution	18.5.0
2024-12	RAN#106	R5-246788	0732	-	F	Addition of many EN-DC combos applicability declaration	18.5.0
2024-12	RAN#106	R5-246911	0734	-	F	Update of simultaneous RxTx indication for DC_39_n41 and DC_40_n41	18.5.0
2024-12	RAN#106	R5-246924	0735	-	F	Addition of physical implementation capability for NES-based CHO	18.5.0
2024-12	RAN#106	R5-246941	0736	-	F	Addition of physical implementation capability for eType-II codebook for CJT	18.5.0
2024-12	RAN#106	R5-247048	0740	-	F	Addition of PICS for Further measurement gap enhancements	18.5.0
2024-12	RAN#106	R5-247154	0742	-	F	Addition of PICS for FR2 Multi-Rx feature	18.5.0
2024-12	RAN#106	R5-247157	0743	-	F	Addition of missing PICS for CRS-IM and intercell CRS interference PDSCH test cases	18.5.0
2024-12	RAN#106	R5-247164	0744	-	F	Addition of PICS for physical layer link adaptation test cases	18.5.0
2024-12	RAN#106	R5-247206	0745	-	F	clarification to PICS for HST-DPS test cases	18.5.0
2024-12	RAN#106	R5-247222	0746	-	F	Introduction of UL-MIMO bands n81 for ICS	18.5.0
2024-12	RAN#106	R5-247232	0747	-	F	Addition of PICS for UTO-UCI	18.5.0
2024-12	RAN#106	R5-247236	0748	-	F	Addition of PICS for CSI reporting	18.5.0
2024-12	RAN#106	R5-247239	0749	-	F	Modification of Half-duplex FDD PICS.	18.5.0
2024-12	RAN#106	R5-247246	0750	-	F	Addition of RF baseline implementation capability of PC2 config n14	18.5.0
2024-12	RAN#106	R5-247253	0752	-	F	Introduction of band n254 for physical layer baseline implementation capabilities	18.5.0
2024-12	RAN#106	R5-247367	0754	-	F	Addition to A.4.3.9 for band n26 for 4Rx antenna ports capabilities for FWA	18.5.0
2024-12	RAN#106	R5-247372	0755	-	F	Introduction of CA_n1A-n5A for physical layer baseline implementation capabilities	18.5.0
2024-12	RAN#106	R5-247389	0756	-	F	Introduction of CA_n1-n5-n78 and CA_n3-n5-n78 for physical layer baseline implementation capabilities	18.5.0
2024-12	RAN#106	R5-247394	0757	-	F	Addition of RF baseline implementation capabilities for PC2 DC_2A_n41A	18.5.0
2024-12	RAN#106	R5-247397	0758	-	F	Addition of PC2 RF baseline implementation capability for band n7	18.5.0
2024-12	RAN#106	R5-247599	0711	1	F	Introduction of PICS for NR NTN Rel-18	18.5.0
2024-12	RAN#106	R5-247651	0759	-	F	Add extra PICS for R18 MUSIM test cases	18.5.0
2024-12	RAN#106	R5-247705	0710	1	F	Introduction of bands n13 and n85 into 4 Rx antenna ports capabilities	18.5.0
2024-12	RAN#106	R5-247706	0721	1	F	Updates for Release 17 part of test configuration CA_n2A-n5A-n66A-n77C	18.5.0
2024-12	RAN#106	R5-247707	0722	1	F	Updates for Release 18 part of test configuration CA_n2A-n5A-n66A-n77C to support UL CA_n77C	18.5.0
2024-12	RAN#106	R5-247708	0709	1	F	Introduction of band n105 for physical layer baseline implementation capabilities	18.5.0
2024-12	RAN#106	R5-247709	0751	1	F	Introduction of band n54, n98 and n109 for physical layer baseline implementation capabilities	18.5.0
2024-12	RAN#106	R5-247710	0739	1	F	Updating PICS for R18 dynamic UL Tx switching	18.5.0
2024-12	RAN#106	R5-247711	0737	1	F	Addition of new capabilities for adding DL and UL MIMO evolution test cases	18.5.0
2024-12	RAN#106	R5-247712	0717	1	F	Adding PICS for higher power limit inter-band capabilities	18.5.0
2024-12	RAN#106	R5-247713	0753	1	F	New pic definition for CA HST-SFN UE capability	18.5.0
2024-12	RAN#106	R5-247714	0729	1	F	Update NR band and CADC configs status in ICS Annex B	18.5.0
2024-12	RAN#106	R5-247715	0731	1	F	Addition EN-DC combo DC_2A-5A_n66A applicability declaration	18.5.0
2024-12	RAN#106	R5-247716	0733	1	F	Addition of PICS for supportedGapPattern-NRonly-r16	18.5.0
2024-12	RAN#106	R5-247786	0741	1	F	addition of HARQ feedback disabled PICS for nr-ntn	18.5.0
2024-12	RAN#106	R5-247841	0738	1	F	Adding new UE declared capability table for 8 Rx	18.5.0
2025-03	RAN#107	R5-250070	0760	-	F	Update to PICS of Further NR mobility enhancements	18.6.0
2025-03	RAN#107	R5-250071	0761	-	F	Addition of PICS for Further enhancements on measurement gaps	18.6.0

2025-03	RAN#107	R5-250118	0762	-	F	Addition of PICS for band n104	18.6.0
2025-03	RAN#107	R5-250125	0763	-	F	Update PICS of CA_n41C-n79C	18.6.0
2025-03	RAN#107	R5-250132	0764	-	F	Update NR band and CADC configs status in ICS Annex B	18.6.0
2025-03	RAN#107	R5-250155	0766	-	F	Addition of UE capability for R18 IDC TDM solution	18.6.0
2025-03	RAN#107	R5-250192	0767	-	F	Addition of RF baseline implementation capabilities for new HPUE 2CC NRCA combo within FR1	18.6.0
2025-03	RAN#107	R5-250218	0768	-	F	Remove PS data off	18.6.0
2025-03	RAN#107	R5-250226	0769	-	F	Addition of UE capability for new 4CC NRCA combo within FR1	18.6.0
2025-03	RAN#107	R5-250236	0770	-	F	Addition of Baseline Implementation Capabilities for CA_n28A-n78A PC2	18.6.0
2025-03	RAN#107	R5-250248	0771	-	F	CR 38.508-2 Definition of many PC2 NR CA combos with 2 bands	18.6.0
2025-03	RAN#107	R5-250249	0772	-	F	CR 38.508-2 Definition of many PC2 NR CA combos with 3 bands	18.6.0
2025-03	RAN#107	R5-250274	0773	-	F	Addition of applicability statement for several NR CA combinations	18.6.0
2025-03	RAN#107	R5-250412	0775	-	F	Addition of ICS for enhanced receiver type 2	18.6.0
2025-03	RAN#107	R5-250447	0776	-	F	Support of MCX	18.6.0
2025-03	RAN#107	R5-250571	0782	-	F	Add new PICS for XR UAI test case	18.6.0
2025-03	RAN#107	R5-250817	0786	-	F	Correction to physical implementation capabilities for uplink full power Mode 2	18.6.0
2025-03	RAN#107	R5-250999	0788	-	F	Correction to NR NTN PICS	18.6.0
2025-03	RAN#107	R5-251065	0791	-	F	Corrections on A.4.3.9 for band n85 for 4Rx antenna ports capabilities	18.6.0
2025-03	RAN#107	R5-251258	0781	1	F	Add new PICS for Multi CG test case 7.1.1.6.5	18.6.0
2025-03	RAN#107	R5-251298	0774	1	F	Introduction of RRM Measurement Capability PICS for NR NTN Rel-18	18.6.0
2025-03	RAN#107	R5-251332	0784	1	F	Introduction of PICS to support equivalent SNPN for new Rel-18 NPN test cases	18.6.0
2025-03	RAN#107	R5-251365	0793	1	F	Introduction of Coverage Enhancement PICS for NR NTN Rel-18	18.6.0
2025-03	RAN#107	R5-251503	0783	1	F	Addition to A.4.3.9 for band n5 when supported by FWA form factor for 4Rx antenna ports capabilities	18.6.0
2025-03	RAN#107	R5-251504	0785	1	F	Addition of inter-band FR1 SSB-less physical capability	18.6.0
2025-03	RAN#107	R5-251506	0790	1	F	Addition of ICS table for RedCap UE supporting HD FDD band	18.6.0
2025-03	RAN#107	R5-251692	0778	1	F	Addition of new UE capabilities for supporting multiRx test cases	18.6.0
2025-03	RAN#107	R5-251693	0780	1	F	Addition of PICS needed for MultiRx RF test cases	18.6.0
2025-06	RAN#108	R5-251931	0796	-	F	Harmonization of eRedCap references	18.7.0
2025-06	RAN#108	R5-251941	0797	-	F	Renaming PICS for NR NTN bands	18.7.0
2025-06	RAN#108	R5-252017	0798	-	F	Update of PICS for V2X	18.7.0
2025-06	RAN#108	R5-252093	0802	-	F	Update PICS of CA_n41C-n79C	18.7.0
2025-06	RAN#108	R5-252108	0803	-	F	Update NR band and CADC configs status in ICS Annex B	18.7.0
2025-06	RAN#108	R5-252180	0806	-	F	Addition of new UE capability for CHO with SCG configuration test case	18.7.0
2025-06	RAN#108	R5-252200	0808	-	F	Addition of new PICS for ATG TA reporting	18.7.0
2025-06	RAN#108	R5-252201	0809	-	F	Addition of new PICS for ATG CHO	18.7.0
2025-06	RAN#108	R5-252209	0810	-	F	Addition to A.4.3.9 for band n13 and n105 when supported by FWA form factor for 4Rx antenna ports capabilities comments	18.7.0
2025-06	RAN#108	R5-252230	0811	-	F	Addition of applicability statement for many PC2 NR CA combos	18.7.0
2025-06	RAN#108	R5-252233	0812	-	F	Addition of applicability statement for many 3 band NR CA combos	18.7.0
2025-06	RAN#108	R5-252253	0813	-	F	Addition of UE capability for CA_n28A-n78A-n79A	18.7.0
2025-06	RAN#108	R5-252305	0814	-	F	Addition of physical layer capability for NES spatial domain Type 2 adaptation	18.7.0
2025-06	RAN#108	R5-252331	0815	-	F	Addition of PICS for further NR coverage enhancement	18.7.0
2025-06	RAN#108	R5-252334	0816	-	F	Addition of PICS for Multi-carrier enhancements for NR	18.7.0
2025-06	RAN#108	R5-252442	0818	-	F	Addition of physical capabilities for Rel-18 unified TCI for multi-TRP	18.7.0
2025-06	RAN#108	R5-252601	0822	-	F	Addition of PICS for NR NTN enhancements	18.7.0
2025-06	RAN#108	R5-252688	0823	-	F	Addition of PICS for ATG RRM test cases	18.7.0
2025-06	RAN#108	R5-252781	0826	-	F	Capability parameter correction for mobility enhancements test cases	18.7.0
2025-06	RAN#108	R5-252863	0827	-	F	Addition of RF baseline implementation capabilities for PC2 DC_66A_n41A	18.7.0
2025-06	RAN#108	R5-252966	0829	-	F	Update to idle mode relaxed measurement PICS	18.7.0
2025-06	RAN#108	R5-253151	0800	1	F	Addition of new PICS for Aerial UE Capabilities	18.7.0
2025-06	RAN#108	R5-253152	0825	1	F	Addition of PICS for dynamic waveform switching SIG test cases	18.7.0
2025-06	RAN#108	R5-253170	0794	1	F	Introduction of PICS to support localized services in SNPN for new Rel-18 NPN test cases	18.7.0
2025-06	RAN#108	R5-253239	0821	2	F	Addition of new capabilities for 16Tx or 32Tx ports of CSI-RS	18.7.0
2025-06	RAN#108	R5-253403	0805	1	F	Added missing PICS for PC2 SISO Rel-18	18.7.0
2025-06	RAN#108	R5-253404	0824	1	F	Addition of PICS for MG_enh RRM test cases	18.7.0
2025-06	RAN#108	R5-253415	0801	1	F	Addition of PICS for band n104 PC2	18.7.0
2025-06	RAN#108	R5-253583	0828	1	F	Addition of PICS to support r18 NR-NTN	18.7.0
2025-06	RAN#108	R5-253641	0819	1	F	Adding PICS for 4Tx	18.7.0

History

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