ETSI TS 138 522 V17.11.0 (2024-01)

TECHNICAL SPECIFICATION

5G;
NR;
**User Equipment (UE) conformance specification;
Applicability of radio transmission, radio reception and radio
resource management test cases
(3GPP TS 38.522 version 17.11.0 Release 17)**

Reference

RTS/TSGR-0538522vhb0

Keywords

5G

ETSI

650 Route des Lucioles
F-06921 Sophia Antipolis Cedex - FRANCE

Tel.: +33 4 92 94 42 00   Fax: +33 4 93 65 47 16

Siret N° 348 623 562 00017 - APE 7112B
Association à but non lucratif enregistrée à la
Sous-Préfecture de Grasse (06) N° w061004871

Important notice

The present document can be downloaded from:
https://www.etsi.org/standards-search

The present document may be made available in electronic versions and/or in print. The content of any electronic and/or print versions of the present document shall not be modified without the prior written authorization of ETSI. In case of any existing or perceived difference in contents between such versions and/or in print, the prevailing version of an ETSI deliverable is the one made publicly available in PDF format at www.etsi.org/deliver.

Users of the present document should be aware that the document may be subject to revision or change of status. Information on the current status of this and other ETSI documents is available at
https://portal.etsi.org/TB/ETSIDeliverableStatus.aspx

If you find errors in the present document, please send your comment to one of the following services:
https://portal.etsi.org/People/CommiteeSupportStaff.aspx

If you find a security vulnerability in the present document, please report it through our
Coordinated Vulnerability Disclosure Program:
https://www.etsi.org/standards/coordinated-vulnerability-disclosure

Notice of disclaimer & limitation of liability

The information provided in the present deliverable is directed solely to professionals who have the appropriate degree of experience to understand and interpret its content in accordance with generally accepted engineering or other professional standard and applicable regulations.
No recommendation as to products and services or vendors is made or should be implied.
No representation or warranty is made that this deliverable is technically accurate or sufficient or conforms to any law and/or governmental rule and/or regulation and further, no representation or warranty is made of merchantability or fitness for any particular purpose or against infringement of intellectual property rights.
In no event shall ETSI be held liable for loss of profits or any other incidental or consequential damages.

Any software contained in this deliverable is provided "AS IS" with no warranties, express or implied, including but not limited to, the warranties of merchantability, fitness for a particular purpose and non-infringement of intellectual property rights and ETSI shall not be held liable in any event for any damages whatsoever (including, without limitation, damages for loss of profits, business interruption, loss of information, or any other pecuniary loss) arising out of or related to the use of or inability to use the software.

Copyright Notification

Intellectual Property Rights

Essential patents

IPRs essential or potentially essential to normative deliverables may have been declared to ETSI. The declarations pertaining to these essential IPRs, if any, are publicly available for **ETSI members and non-members**, and can be found in ETSI SR 000 314: *"Intellectual Property Rights (IPRs); Essential, or potentially Essential, IPRs notified to ETSI in respect of ETSI standards"*, which is available from the ETSI Secretariat. Latest updates are available on the ETSI Web server (https://ipr.etsi.org/).

Pursuant to the ETSI Directives including the ETSI IPR Policy, no investigation regarding the essentiality of IPRs, including IPR searches, has been carried out by ETSI. No guarantee can be given as to the existence of other IPRs not referenced in ETSI SR 000 314 (or the updates on the ETSI Web server) which are, or may be, or may become, essential to the present document.

Trademarks

The present document may include trademarks and/or tradenames which are asserted and/or registered by their owners. ETSI claims no ownership of these except for any which are indicated as being the property of ETSI, and conveys no right to use or reproduce any trademark and/or tradename. Mention of those trademarks in the present document does not constitute an endorsement by ETSI of products, services or organizations associated with those trademarks.

DECT™, **PLUGTESTS™**, **UMTS™** and the ETSI logo are trademarks of ETSI registered for the benefit of its Members. **3GPP™** and **LTE™** are trademarks of ETSI registered for the benefit of its Members and of the 3GPP Organizational Partners. **oneM2M™** logo is a trademark of ETSI registered for the benefit of its Members and of the oneM2M Partners. **GSM**® and the GSM logo are trademarks registered and owned by the GSM Association.

Legal Notice

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

The present document may refer to technical specifications or reports using their 3GPP identities. These shall be interpreted as being references to the corresponding ETSI deliverables.

The cross reference between 3GPP and ETSI identities can be found under https://webapp.etsi.org/key/queryform.asp.

Modal verbs terminology

In the present document "**shall**", "**shall not**", "**should**", "**should not**", "**may**", "**need not**", "**will**", "**will not**", "**can**" and "**cannot**" are to be interpreted as described in clause 3.2 of the ETSI Drafting Rules (Verbal forms for the expression of provisions).

"**must**" and "**must not**" are **NOT** allowed in ETSI deliverables except when used in direct citation.

Contents

3GPP TS 38.522 version 17.11.0 Release 17

Foreword

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

The contents of the present document are subject to continuing work within the TSG and may change following formal TSG approval. Should the TSG modify the contents of the present document, it will be re-released by the TSG with an identifying change of release date and an increase in version number as follows:

Version x.y.z

where:

x   the first digit:

1   presented to TSG for information;

2   presented to TSG for approval;

3   or greater indicates TSG approved document under change control.

y   the second digit is incremented for all changes of substance, i.e. technical enhancements, corrections, updates, etc.

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

The present document is one part of a multi-part Technical Specification (TS) covering the New Radio (NR) User Equipment (UE) conformance specification, which is divided in the following parts:

3GPP TS 38.521-1 [1]: NR; User Equipment (UE) conformance specification; Radio transmission and reception; Part 1: Range 1 Standalone;

3GPP TS 38.521-2 [2]: NR; User Equipment (UE) conformance specification; Radio transmission and reception; Part 2: Range 2 Standalone;

3GPP TS 38.521-3 [3]: NR; User Equipment (UE) conformance specification; Radio transmission and reception; Part 3: Range 1 and Range 2 Interworking operation with other radios;

3GPP TS 38.521-4 [4]: NR; User Equipment conformance specification; Radio transmission and reception; Part 4: Performance;

3GPP TS 38.522: NR; User Equipment (UE) conformance specification; Applicability of RF and RRM test cases;

3GPP TS 38.533 [5]: NR; User Equipment (UE) conformance specification; Radio resource management;

1 Scope

The present document specifies the recommended applicability statement and completion status for the test cases included in 3GPP TS 38.521-1 [1], TS 38.521-2 [2], TS 38.521-3 [3], TS 38.521-4 [4] and TS 38.533 [5]. These applicability statements are based on the features implemented in the UE.

Special conformance testing functions can be found in 3GPP TS 38.509 [6] and the common test environments are included in 3GPP TS 38.508-1 [7]. Common implementation conformance statement (ICS) proforma can be found in 3GPP TS 38.508-2 [8].

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 unless the context in which the reference is made suggests a different Release is relevant (information on the applicable release in a particular context can be found in e.g. test case title, description or applicability, message description or content).

[1] to [11]   (void)

[12]   3GPP TS 38.522 Release 18: "User Equipment (UE) conformance specification; Applicability of radio transmission, radio reception and radio resource management test cases"

3 Definitions, symbols and abbreviations

Void

4 Recommended test case applicability

The requirements of the present document are provided in 3GPP TS 38.522 Release 18 [12].

Annex A (informative): Change history

Change history							
Date	Meeting	TDoc	CR	Rev	Cat	Subject/Comment	New version
2017-08	RAN5#76	R5-173911	-	-	-	Draft skeleton	0.0.1
2018-01	RAN5#1-5G-NR Adhoc	R5-180107	-	-	-	Updated after RAN5#1-5G-NR Adhoc: - Foreword, scope, references, definitions, symbols and abbreviations, recommended test case applicability updated - clause 4.1.1, 4.1.2, 4.1.3 and 4.1.4 added - change history added	0.1.0
2018-03	RAN5 #78	R5-181687	-	-	-	TP for Clause 4.1.1 Range 1 standalone conformance test cases	0.2.0
2018-03	RAN5 #78	R5-181688	-	-	-	TP for Clause 4.1.2 Range 2 standalone conformance test cases	0.2.0
2018-03	RAN5 #78	R5-181689	-	-	-	TP for Clause 4.1.3 NR interworking between NR range1 and NR range2 and between NR and LTE conformance test cases	0.2.0
2018-04	RAN5#2-5G-NR Adhoc	R5-182013	-	-	-	TP for Clause 3 Definitions, symbols and abbreviations	0.3.0
2018-04	RAN5#2-5G-NR Adhoc	R5-182047	-	-	-	TP for Clause 4 Recommended test case applicability	0.3.0
2018-08	RAN5#80	R5-185209	-	-	-	TP for Clause 4.1.1 of TS 38.522	1.0.1
2018-08	RAN5#80	R5-185210	-	-	-	TP for Clause 4.1.2 of TS 38.522	1.0.1
2018-08	RAN5#80	R5-185211	-	-	-	TP for Clause 4.1.3 of TS 38.522	1.0.1
2018-09	RAN#81	-	-	-	-	raised to v15.0.0 with editorial changes only	15.0.0
2018-12	RAN#82	R5-186501	0013	-	F	Applicability rules implementation in 38.522	15.1.0
2018-12	RAN#82	R5-188223	0015	-	F	Applicability for RRM NR tests	15.1.0
2018-12	RAN#82	R5-187566	0016	-	F	Update note in section 4.1 to include CBW and SCS in RF test applicability	15.1.0
2018-12	RAN#82	R5-187849	0014	1	F	Adding applicability for new 38.521-1 CA TCs	15.1.0
2018-12	RAN#82	R5-187881	0008	1	F	Update Clause 1 Scope of TS 38.522	15.1.0
2018-12	RAN#82	R5-187884	0011	1	F	TP for Clause 4.1.2 of TS 38.522	15.1.0
2018-12	RAN#82	R5-187922	0017	-	F	Removing FR2 test case 7.4 from TS 38.522 due to testability issue	15.1.0
2019-01	RAN#82	R5-187882	0009	1	F	Update Clause 3 of TS 38.522	15.1.1
2019-01	RAN#82	R5-187883	0010	1	F	TP for Clause 4.1.1 of TS 38.522	15.1.1
2019-01	RAN#82	R5-187885	0012	1	F	TP for Clause 4.1.3 of TS 38.522	15.1.1
2019-03	RAN#83	R5-191722	0021	-	F	addition of applicability for BFD and measurement	15.2.0
2019-03	RAN#83	R5-192507	0020	1	F	TP for TS 38.522	15.2.0
2019-03	RAN#83	R5-192508	0022	1	F	Addition of RRM Test Cases Applicability	15.2.0
2019-06	RAN#84	R5-195444	0027	1	F	TP for TS 38.522	15.3.0
2019-06	RAN#84	-	-	-	-	Administrative release upgrade to match the release of 3GPP TS 38.508-1 and TS 38.521-1 which were upgraded at RAN#84 to Rel-16 due to Rel-16 relevant CR(s)	16.0.0
2019-06	RAN#84	-	-	-	-	Addition of missing Table part of R5-195444 and part of a note.	16.0.1
2019-06	RAN#84	-	-	-	-	Formatted big tables to landscape	16.0.2
2019-09	RAN#85	R5-197650	0030	1	-	TP for TS 38.522	16.1.0
2019-09	RAN#85	R5-197650	0030	1	-	Added missing changes of R5-197650	16.1.1
2019-12	RAN#86	R5-199089	0032	2	-	TP for TS 38.522	16.2.0
2020-03	RAN#87	R5-201036	0033	1	F	TP and format updated for TS 38.522	16.3.0
2020-06	RAN#88	R5-202958	0040	1	F	R16 TDD ENDC PC2 TP for TS 38.522	16.4.0
2020-06	RAN#88	R5-203114	0037	2	F	TP updated to applicability table	16.4.0
2020-09	RAN#89	R5-204098	0046	-	F	Correct applicability EN-DC event-triggered inter-frequency tests	16.5.0
2020-09	RAN#89	R5-204099	0047	-	F	Correct applicability NR SA event-triggered inter-frequency tests	16.5.0
2020-09	RAN#89	R5-204939	0043	1	F	TP for TS 38.522	16.5.0
2020-09	RAN#89	R5-204940	0044	1	F	Correction of 38.522	16.5.0
2020-12	RAN#90	R5-206905	0051	1	F	Update to applicability spec for 5G test cases	16.6.0
2021-03	RAN#91	R5-210506	0055	-	F	Correction of applicability definitions for long DRX cycle related test cases	16.7.0
2021-03	RAN#91	R5-210792	0058	-	F	Adding the test applicability of RF test cases for eMIMO	16.7.0
2021-03	RAN#91	R5-211158	0060	-	F	Addition of applicability new test case 6.3.2.1.3 in TS 38.521-4	16.7.0

2021-03	RAN#91	R5-211159	0061	-	F	Addition of applicability new test case 6.3.3.1.3 in TS 38.521-4	16.7.0
2021-03	RAN#91	R5-211610	0067	-	F	Applicability of Error Vector Magnitude for V2X for non-concurrent operation	16.7.0
2021-03	RAN#91	R5-211720	0054	1	F	Correction of applicability definitions for PUSCH HalfPi BPSK related test cases	16.7.0
2021-03	RAN#91	R5-211853	0059	1	F	Update to applicability spec for 5G test cases	16.7.0
2021-03	RAN#91	R5-211913	0057	1	F	Adding test applicability for switching test case	16.7.0
2021-03	RAN#91	R5-211917	0066	1	F	Addition of new RRM test cases to the applicability table in 4.2	16.7.0
2021-03	RAN#91	R5-211918	0068	1	F	Applicability for RRM NR HST test case 6.1.1.7 and 6.6.1.7	16.7.0
2021-03	RAN#91	-	-	-	-	Administrative release upgrade to match the release of TS 38.508-1, TS 38.508-2 and TS 38.521-1 which were upgraded at RAN#91 to Rel-17 due to Rel-17 relevant CRs	17.0.0
2021-06	RAN#92	R5-212078	0069	-	F	Addition of applicability for new test case 6.3.2.1.4 and 6.3.3.1.4 in TS 38.521-4	17.1.0
2021-06	RAN#92	R5-212932	0075	-	F	Addition of test applicability for V2X RF test cases	17.1.0
2021-06	RAN#92	R5-212939	0076	-	F	Adding test applicability for eMIMO demod test cases	17.1.0
2021-06	RAN#92	R5-212948	0077	-	F	Adding test applicability for URLLC demod test cases	17.1.0
2021-06	RAN#92	R5-213095	0078	-	F	Adding test applicability for new test cases introduced in R17	17.1.0
2021-06	RAN#92	R5-214006	0074	1	F	Addition of new V2X test cases to the applicability table in 4.1.1	17.1.0
2021-06	RAN#92	R5-214089	0073	1	F	Update to applicability spec for 5G test cases	17.1.0
2021-06	RAN#92	R5-214096	0071	1	F	Update of Applicability for Inter-band EN-DC Including FR2	17.1.0
2021-09	RAN#93	R5-214480	0081	-	F	38.522 Jumbo CR for R16 CADC configurations	17.2.0
2021-09	RAN#93	R5-214534	0082	-	F	Addition of applicability for FR2 DL 256QAM demodulation test case	17.2.0
2021-09	RAN#93	R5-214571	0083	-	F	Adding test applicability for UE power saving test cases	17.2.0
2021-09	RAN#93	R5-214609	0084	-	F	Correction of condition C30 C37 C37a C41 C41a and introduction of condition C37b and C37c	17.2.0
2021-09	RAN#93	R5-214834	0085	-	F	Applicability for 5G-SRVCC	17.2.0
2021-09	RAN#93	R5-215033	0092	-	F	Addition of applicability for NR HST TCs	17.2.0
2021-09	RAN#93	R5-215045	0093	-	F	Addition of R16 FDD-TDD PC2 inter-band EN-DC baseline implementation capabilities into 38.522	17.2.0
2021-09	RAN#93	R5-215079	0095	-	F	Addition of test applicability for V2X test cases	17.2.0
2021-09	RAN#93	R5-215245	0099	-	F	Addition of test applicability for RRM test case 6.6.4.5	17.2.0
2021-09	RAN#93	R5-215399	0102	-	F	Add 2-Step PRACH test cases to Applicability spec	17.2.0
2021-09	RAN#93	R5-215411	0103	-	F	Correction of RRM HST test cases applicability	17.2.0
2021-09	RAN#93	R5-215931	0090	1	F	Addition of applicability for Mob_Enh TCs	17.2.0
2021-09	RAN#93	R5-215935	0096	1	F	Adding test applicability for eMIMO test cases	17.2.0
2021-09	RAN#93	R5-215960	0098	1	F	Addition of applicability of URLLC demod test cases	17.2.0
2021-09	RAN#93	R5-215981	0086	1	F	FR2 standalone RF conformance test case applicability	17.2.0
2021-09	RAN#93	R5-216077	0097	1	F	Test applicability for FR2 256QAM CQI reporting	17.2.0
2021-09	RAN#93	R5-216097	0101	1	F	Update to applicability spec for 5G test cases	17.2.0
2021-12	RAN#94	R5-216539	0105	-	F	Addition of applicability for HST test case 5.2.3.1.9_1	17.3.0
2021-12	RAN#94	R5-216540	0106	-	F	Addition of applicability for HST test case 5.2.3.1.10_1	17.3.0
2021-12	RAN#94	R5-216784	0109	-	F	Correction to Test Bands Selection Criteria for performance test cases	17.3.0
2021-12	RAN#94	R5-216852	0110	-	F	Correction to applicability of RLM TCs	17.3.0

2021-12	RAN#94	R5-216870	0111	-	F	Correction to applicability of Mob_enh RRM TCs	17.3.0
2021-12	RAN#94	R5-216911	0112	-	F	Correction to applicability of HST TCs	17.3.0
2021-12	RAN#94	R5-217219	0114	-	F	Correct of condition for RRM Test Cases with BWP switch	17.3.0
2021-12	RAN#94	R5-217319	0116	-	F	Addition of applicability for new type II PMI repoering test cases	17.3.0
2021-12	RAN#94	R5-217349	0118	-	F	Update of 3.1 for definitions of CA and DC configurations	17.3.0
2021-12	RAN#94	R5-217381	0120	-	F	Addition of test applicability for URLLC test cases	17.3.0
2021-12	RAN#94	R5-217529	0122	-	F	Jumbo CR for updating applicability of NR perf enh WI test cases	17.3.0
2021-12	RAN#94	R5-217568	0123	-	F	Correction of RRM HST test cases applicability	17.3.0
2021-12	RAN#94	R5-217569	0124	-	F	Correction of RRM test cases applicability - Note 1 removal	17.3.0
2021-12	RAN#94	R5-217597	0125	-	F	Update applicability for Tx modulation quality test cases	17.3.0
2021-12	RAN#94	R5-217729	0129	-	F	38.522 applicability updates for Rel.16 FR2 RF enhancements	17.3.0
2021-12	RAN#94	R5-218249	0115	1	F	Update of MPR applicability for intra-band contiguous EN-DC	17.3.0
2021-12	RAN#94	R5-218370	0107	1	F	Addition of content for FR2 standalone RF conformance test case applicability	17.3.0
2021-12	RAN#94	R5-218371	0128	1	F	NR U test case applicability	17.3.0
2021-12	RAN#94	R5-218390	0108	1	F	Addition of Power Class 1.5 into applicability of RF SA FR1 conformance test cases	17.3.0
2021-12	RAN#94	R5-218437	0113	1	F	6.2B.2.2 MPR IBNC EN-DC applicability correction if 6.5B.2.2.3 ACLR IBNC EN-DC is executed	17.3.0
2021-12	RAN#94	R5-218438	0127	1	F	Update to applicability spec for 5G test cases	17.3.0
2021-12	RAN#94	R5-218460	0117	1	F	Adding test applicability for switching time mask for inter-band EN-DC	17.3.0
2021-12	RAN#94	R5-218463	0119	1	F	Addition of test applicability e-MIMO test cases	17.3.0
2022-03	RAN#95	R5-220041	0131	-	F	Addition of the TDD DSS NR bands n34, n39	17.4.0
2022-03	RAN#95	R5-220163	0133	-	F	Add 2-Step RACH test cases to Applicability spec	17.4.0
2022-03	RAN#95	R5-220166	0134	-	F	Update of RRM test case applicability - Note 1 removal	17.4.0
2022-03	RAN#95	R5-220663	0140	-	F	Update of HST Demod test case applicability - Note 1 removal	17.4.0
2022-03	RAN#95	R5-220673	0142	-	F	Correcting applicability of HST test cases in 38.522	17.4.0
2022-03	RAN#95	R5-220757	0143	-	F	Addition of new performance enhancement test case in 38.522	17.4.0
2022-03	RAN#95	R5-220787	0144	-	F	Update to test applicability for V2X test cases	17.4.0
2022-03	RAN#95	R5-220823	0145	-	F	Update to test applicability for URLLC test cases	17.4.0
2022-03	RAN#95	R5-220965	0147	-	F	Addition of applicability for test cases for EN-DC with 3 uplink	17.4.0
2022-03	RAN#95	R5-221004	0149	-	F	Correction to applicability of FR2 intra-frequency measurement without DRX and BFD TCs	17.4.0
2022-03	RAN#95	R5-221048	0150	-	F	Correction of 4.0 for tested DC configuration selection criteria	17.4.0
2022-03	RAN#95	R5-221213	0152	-	F	Addition of applicability for CADC MPR TC 6.2B.2.4_1.1	17.4.0
2022-03	RAN#95	R5-221295	0154	-	F	Correction of RRM test cases applicability - Note 1 removal	17.4.0
2022-03	RAN#95	R5-221296	0155	-	F	Addition of Idle Mode CA/DC Measurements test cases applicability	17.4.0
2022-03	RAN#95	R5-221371	0158	-	F	Adding new HST test cases	17.4.0
2022-03	RAN#95	R5-221711	0132	1	F	Correction of Additional Information for 6.2.2, 6.2.3 and 6.5.2.4.1 of 38.521-1 and 6.2B.2.3 and 6.2B.3.3 of 38.521-3	17.4.0
2022-03	RAN#95	R5-221712	0139	1	F	Correction to Applicability and Additional information for EN-DC TC and RRM TC	17.4.0
2022-03	RAN#95	R5-221797	0153	1	F	Addition of FR1 DL Interruptions test cases applicability	17.4.0

2022-03	RAN#95	R5-221831	0146	1	F	Addition of test applicability for UE Enhancements on MIMO	17.4.0
2022-03	RAN#95	R5-221832	0148	1	F	Addition of test applicability for L1-SINR measurement cases	17.4.0
2022-03	RAN#95	R5-221849	0130	1	F	Updated the Test case conditions and selection criteria for TDD DSS NR bands n38, n48, n90	17.4.0
2022-03	RAN#95	R5-221850	0137	1	F	Addition of FR1 CA CQI test cases applicability	17.4.0
2022-03	RAN#95	R5-221851	0138	1	F	Addition of FR2 CA CQI test cases applicability	17.4.0
2022-03	RAN#95	R5-221852	0151	1	F	Applicability of NR perf enh WI test cases	17.4.0
2022-03	RAN#95	R5-221858	0135	1	F	Correction of HST test case applicability	17.4.0
2022-03	RAN#95	R5-221891	0136	1	F	Correction of FR2 standalone Enhanced Beam correspondence - EIRP RF conformance test case applicability	17.4.0
2022-03	RAN#95	R5-221913	0156	1	F	New EVM test case applicability	17.4.0
2022-06	RAN#96	R5-222190	0159	-	F	Correction of test applicability for 6.4.2.5 of 38.521-1	17.5.0
2022-06	RAN#96	R5-222191	0160	-	F	Separation of 6.2B.1.4D of 38.521-3 into two test cases	17.5.0
2022-06	RAN#96	R5-222562	0162	-	F	Addition of applicability for CADC MOP TC	17.5.0
2022-06	RAN#96	R5-222631	0164	-	F	Addition of test applicability for NR SL Demod TCs	17.5.0
2022-06	RAN#96	R5-222632	0165	-	F	Addition of test applicability for NR SL RRM TCs	17.5.0
2022-06	RAN#96	R5-222736	0169	-	F	Add 7.5F.1 and 7.6F.2	17.5.0
2022-06	RAN#96	R5-222914	0172	-	F	Removing test case 6.5D.1_1 Occupied bandwidth for UL MIMO (Rel-16 onward) from 38.522	17.5.0
2022-06	RAN#96	R5-222992	0176	-	F	Removal of NOTE1 for test case 5.2.2.2.9_1, 5.2.2.2.10_1, 5.2.3.2.9_1	17.5.0
2022-06	RAN#96	R5-222994	0177	-	F	Update of applicability of FR2 performance test	17.5.0
2022-06	RAN#96	R5-223123	0181	-	F	Test case 6.3.2.2.3, 6.3.2.2.4 and 6.3.3.2.3 in 38.522	17.5.0
2022-06	RAN#96	R5-223701	0189	1	F	Correction of FR1 DL Interruptions test cases applicability	17.5.0
2022-06	RAN#96	R5-223706	0178	1	F	Addition of test applicability for eMIMO test cases	17.5.0
2022-06	RAN#96	R5-223720	0163	1	F	Applicability update for NR perf enh WI test cases	17.5.0
2022-06	RAN#96	R5-223725	0166	1	F	Correction to applicability of HST RRM TCs	17.5.0
2022-06	RAN#96	R5-223753	0179	1	F	38.522 applicability updates for Rel.16 FR2 RF enhancements	17.5.0
2022-06	RAN#96	R5-223783	0170	1	F	Jumbo Applicability CR for NR_RF_TxD WI	17.5.0
2022-06	RAN#96	R5-223791	0171	1	F	Addition of test applicability for RedCap test cases	17.5.0
2022-06	RAN#96	R5-223842	0161	1	F	Correction to applicability for 6.2D.1.1 and 6.2D.1.2 of 38.521-2	17.5.0
2022-06	RAN#96	R5-223843	0167	1	F	Correction to test bands selection criteria for UL MIMO capabilities	17.5.0
2022-06	RAN#96	R5-223844	0168	1	F	Correction to applicability of 5G test cases	17.5.0
2022-06	RAN#96	R5-223845	0180	1	F	Correction on test condition for FR2 DL 256QAM test cases	17.5.0
2022-06	RAN#96	R5-223846	0185	1	F	Addition to 3.3 for new abbreviations in TS 38.522	17.5.0
2022-06	RAN#96	R5-223847	0186	1	F	Correction to 4.0 on Tested CA DC configuration selection criteria for E005a, E010 and E010a	17.5.0
2022-06	RAN#96	R5-223848	0187	1	F	Editorial correction to A.4.0 for Tested bands selection criteria	17.5.0
2022-06	RAN#96	R5-223849	0188	1	F	Update of applicability of FR2 RF test cases	17.5.0
2022-09	RAN#97	R5-223968	0190	-	F	Applicability for 5.7.1.3 and 7.7.1.3	17.6.0
2022-09	RAN#97	R5-224381	0199	-	F	Update of clause and description for eMIMO RRM Test Cases according to WP updated	17.6.0
2022-09	RAN#97	R5-224438	0200	-	F	Addition of applicability for CADC MOP TC	17.6.0

2022-09	RAN#97	R5-224504	0201	-	F	Correction to applicability of NR SL Demod TCs	17.6.0
2022-09	RAN#97	R5-224634	0202	-	F	Correction to applicability of C097	17.6.0
2022-09	RAN#97	R5-224839	0205	-	F	Update to test applicability of CA test cases to support PC2	17.6.0
2022-09	RAN#97	R5-224903	0206	-	F	Update applicability for NR-U test cases	17.6.0
2022-09	RAN#97	R5-224968	0207	-	F	Editorial, putting C003a and C003b in correct order	17.6.0
2022-09	RAN#97	R5-224998	0208	-	F	Correction to applicability of 5G test cases	17.6.0
2022-09	RAN#97	R5-225077	0209	-	F	Adding new test condition and applicability for new test case 6.3C.3.2	17.6.0
2022-09	RAN#97	R5-225710	0197	1	F	Addition of test applicability for FR2 EN-DC TX Test Cases 5CC to 8CCs	17.6.0
2022-09	RAN#97	R5-225724	0203	1	F	Addition of test applicability for eMIMO test cases	17.6.0
2022-09	RAN#97	R5-225747	0191	1	F	Applicability for 2-step RACH test cases	17.6.0
2022-09	RAN#97	R5-225752	0196	1	F	Update of inter-band CA PC2 test applicability	17.6.0
2022-09	RAN#97	R5-225755	0210	1	F	Adding applicability for new SUL and UL MIMO test cases	17.6.0
2022-09	RAN#97	R5-225764	0194	1	F	Correction of Applicability of conformance test cases conditions, Tested Bands Selection Criteria and Branch for the TxD test cases in 38.521-1	17.6.0
2022-09	RAN#97	R5-225765	0204	1	F	Addition of test applicability for TxD test cases	17.6.0
2022-09	RAN#97	R5-225814	0192	1	F	Correction of Applicability of conformance test cases conditions and Tested Bands Selection Criteria for the R15 test cases in 38.521-1	17.6.0
2022-09	RAN#97	R5-225882	0211	1	F	Addition of test case for additional spurious for FR2	17.6.0
2022-12	RAN#98	R5-225949	0213		F	Adding applicability statements for UEs supporting 5GS FR1 and NR-DC	17.7.0
2022-12	RAN#98	R5-226112	0214		F	Addition of applicability for RedCap RRM TCs	17.7.0
2022-12	RAN#98	R5-226335	0215		F	Update to R16 NR CADC configuration test cases applicability	17.7.0
2022-12	RAN#98	R5-226702	0223		F	Addition of applicability for RedCap demod test cases	17.7.0
2022-12	RAN#98	R5-226764	0226		F	Correction to title of TC7.8F.2	17.7.0
2022-12	RAN#98	R5-226795	0227		F	Update applicability for performance test case 5.2.3.2.9_1	17.7.0
2022-12	RAN#98	R5-226936	0231		F	Adding applicability for new test cases for SUL with UL MIMO	17.7.0
2022-12	RAN#98	R5-226942	0232		F	Applicability for new Rel-16 FR2 RF requirements enhancements test cases	17.7.0
2022-12	RAN#98	R5-227117	0233		F	Update of test applicability for RedCap test cases	17.7.0
2022-12	RAN#98	R5-227248	0235		F	Completion of test case 7.2.2.2.1_3	17.7.0
2022-12	RAN#98	R5-227383	0237		F	Applicability spec updates related to rel16 FR2 RF enhancements	17.7.0
2022-12	RAN#98	R5-227871	0234	1	F	Addition of CA_DC enhancements test cases applicability	17.7.0
2022-12	RAN#98	R5-227872	0221	1	F	Applicability spec update for DL1024QAM test cases	17.7.0
2022-12	RAN#98	R5-227874	0230	1	F	Update to test applicability of SUL test cases	17.7.0
2022-12	RAN#98	R5-227876	0224	1	F	Add applicability of 6.4F.2.2 and 6.5F.4	17.7.0
2022-12	RAN#98	R5-227877	0236	1	F	Addition of test applicability for NR-U Demod and RRM test cases	17.7.0
2022-12	RAN#98	R5-227878	0218	1	F	Update to R16 NR perf enh test cases applicability	17.7.0
2022-12	RAN#98	R5-227879	0219	1	F	Applicability of NSA CA test cases	17.7.0
2022-12	RAN#98	R5-228030	0217	1	F	Update to R17 NR HST FR1 enh test cases applicability	17.7.0
2022-12	RAN#98	R5-228040	0229	1	F	Updating test applicability for TxD test cases	17.7.0

2022-12	RAN#98	R5-228049	0225	1	F	Correction to applicability of 5G test cases	17.7.0
2023-03	RAN#99	R5-230416	0240	-	F	Update to R17 NR HST FR1 enh test cases applicability	17.8.0
2023-03	RAN#99	R5-230458	0244	-	F	Addition of Applicability for RedCap RRM TCs	17.8.0
2023-03	RAN#99	R5-230526	0245	-	F	Addition of Applicability for RRM enhancement TCs	17.8.0
2023-03	RAN#99	R5-230576	0246	-	F	Editorial correction for Applicability Comment of 6.2G.3 and 6.2G.4 in 4.1.1	17.8.0
2023-03	RAN#99	R5-230667	0249	-	F	Addition of applicabilities for NR-U test cases	17.8.0
2023-03	RAN#99	R5-230679	0251	-	F	Addition of applicability for RedCap demod test cases	17.8.0
2023-03	RAN#99	R5-231091	0258	-	F	Adding applicability for new test cases for SUL with UL MIMO	17.8.0
2023-03	RAN#99	R5-231658	0267	-	F	Correction of test case title of 7.6D.2_1 and 7.8D.2_1 of 38.521-1	17.8.0
2023-03	RAN#99	R5-231806	0241	1	F	Addition of applicability for DC_CA test cases	17.8.0
2023-03	RAN#99	R5-231808	0238	1	F	Update to R16 NR CADC configuration test cases applicability	17.8.0
2023-03	RAN#99	R5-231809	0263	1	F	Update 38.522 for 7.3A.3 Reference sensitivity power level for 4DL CA	17.8.0
2023-03	RAN#99	R5-231810	0265	1	F	Addition of applicability for FR2 RF phase continuity test	17.8.0
2023-03	RAN#99	R5-231812	0242	1	F	Add applicability of new test cases for gap enhancement	17.8.0
2023-03	RAN#99	R5-231814	0260	1	F	Correction of applicability of the RedCap test cases	17.8.0
2023-03	RAN#99	R5-231815	0256	1	F	Adding test applicability for CA test cases	17.8.0
2023-03	RAN#99	R5-231816	0248	1	F	Adding applicability statement for UE UL carrier RRC reconfiguration delay for FR2	17.8.0
2023-03	RAN#99	R5-231817	0266	1	F	Applicability updates to FR2 RF tests	17.8.0
2023-03	RAN#99	R5-231818	0247	1	F	Adding applicability statements for UEs supporting TA Validation for CG-SDT in FR2	17.8.0
2023-03	RAN#99	R5-231819	0254	1	F	Introduction of abbreviation of CCA and clarification on FR1 band selection with CCA	17.8.0
2023-03	RAN#99	R5-231821	0259	1	F	Additional information note correction for RRM test cases	17.8.0
2023-03	RAN#99	R5-231878	0252	1	F	Addition of applicability for 5GS FR1 and FR2 PDC IIoT Test Cases	17.8.0
2023-03	RAN#99	R5-231888	0261	1	F	Correction to applicability of 5G test cases	17.8.0
2023-03	RAN#99	R5-231894	0255	1	F	Update to BWP adaptation applicability conditions	17.8.0
2023-03	RAN#99	R5-231973	0262	2	F	Update test condition for 7.3.2 and 6.2.x	17.8.0
2023-06	RAN#100	R5-232129	0269	-	F	Adding applicability statement for SCell Activation and deactivation for SCell in FR2 inter-band in non-DRX	17.9.0
2023-06	RAN#100	R5-232274	0272	-	F	Adding applicability UE Rx-Tx time difference measurement for propagation delay compensation using TRS in FR2	17.9.0
2023-06	RAN#100	R5-232458	0273	-	F	Correction to applicability of RedCap RRM TCs	17.9.0
2023-06	RAN#100	R5-232578	0275	-	F	Addition of applicability for RedCap demod test cases	17.9.0
2023-06	RAN#100	R5-232580	0276	-	F	Addition of applicability for test case 6.5F.2.4.2	17.9.0
2023-06	RAN#100	R5-232742	0278	-	F	Addition of test applicability for SUL test cases with UL MIMO	17.9.0
2023-06	RAN#100	R5-232756	0279	-	F	Correction to test applicability for UL MIMO test cases	17.9.0
2023-06	RAN#100	R5-232812	0283	-	F	Update to R17 NR HST FR1 enh test cases applicability	17.9.0
2023-06	RAN#100	R5-232834	0284	-	F	Adding applicability for MMSE-IRC test cases	17.9.0
2023-06	RAN#100	R5-232928	0287	-	F	Applicability of FR2 RedCap reselection test cases	17.9.0
2023-06	RAN#100	R5-233032	0289	-	F	Update to test applicability of beam correspondence	17.9.0
2023-06	RAN#100	R5-233253	0298	-	F	Applicability updates to FR2 RF tests	17.9.0

2023-06	RAN#100	R5-233506	0270	1	F	Addition of applicability for 5GS HST FR2 test case	17.9.0
2023-06	RAN#100	R5-233685	0296	1	F	Update to handle the test case applicability with different branches	17.9.0
2023-06	RAN#100	R5-233686	0271	1	F	Completion of applicability for DC_CA test cases	17.9.0
2023-06	RAN#100	R5-233687	0297	1	F	Addition of applicability for FR2 RF phase continuity test	17.9.0
2023-06	RAN#100	R5-233689	0291	1	F	Addition of applicabiltiy for NR feMIMO test cases	17.9.0
2023-06	RAN#100	R5-233690	0268	1	F	Add applicability of new test cases for gap enhancement- Pre-MG and NCSG	17.9.0
2023-06	RAN#100	R5-233691	0277	1	F	Update to RRM applicability rules and test optimization - 38.522	17.9.0
2023-06	RAN#100	R5-233692	0280	1	F	Correction to applicability for performance test cases	17.9.0
2023-06	RAN#100	R5-233693	0299	1	F	Applicability update for FR2 TCI state switch tests	17.9.0
2023-06	RAN#100	R5-233710	0274	1	F	Update of eMG case applicabilities	17.9.0
2023-06	RAN#100	R5-233715	0290	1	F	Update to test applicability of SUL test cases	17.9.0
2023-06	RAN#100	R5-233727	0293	1	F	Update of applicability for FR2 CA test cases	17.9.0
2023-06	RAN#100	R5-233728	0295	1	F	Correction to applicability of 5G test cases	17.9.0
2023-06	RAN#100	R5-233731	0285	1	F	Applicability update for CLI test cases	17.9.0
2023-06	RAN#100	R5-233736	0281	1	F	Update to R16 NR CADC configuration test cases applicability	17.9.0
2023-06	RAN#100	R5-233778	0294	1	F	Update applicability for in-band blocking FR2 CA test cases	17.9.0
2023-09	RAN#101	R5-234067	0300	-	F	Adding applicability rules for the remaining MMSE-IRC test cases	17.10.0
2023-09	RAN#101	R5-234188	0302	-	F	Set branch column to PC3 for Rel-15 in FR1 test case 6.4.2.5	17.10.0
2023-09	RAN#101	R5-234335	0303	-	F	Addition of applicabiltiy for 5GS HST FR2 7.1.1.7 test case	17.10.0
2023-09	RAN#101	R5-234359	0306	-	F	Adding applicability statement for NR SA FR2 SSB based Inter-cell L1-RSRP measurement in non-DRX test case	17.10.0
2023-09	RAN#101	R5-234368	0307	-	F	Addition of applicability for MRDC test cases	17.10.0
2023-09	RAN#101	R5-234427	0309	-	F	Addition of applicability for RRM enh TCs	17.10.0
2023-09	RAN#101	R5-234433	0310	-	F	Correction to applicability for SFTD TCs	17.10.0
2023-09	RAN#101	R5-234624	0312	-	F	Update of applicability for MG enhancements cases	17.10.0
2023-09	RAN#101	R5-234667	0315	-	F	Update to applicability for RedCap RLM, BFR and BWP switch test cases	17.10.0
2023-09	RAN#101	R5-234673	0316	-	F	Update to applicability of stationary idle mode RedCap tests	17.10.0
2023-09	RAN#101	R5-234675	0317	-	F	Applicability update for RRM FR2 test cases	17.10.0
2023-09	RAN#101	R5-234679	0318	-	F	Update to applicability for FR2 TCI state switch tests	17.10.0
2023-09	RAN#101	R5-234690	0319	-	F	Adding applicability statements for RRM test cases 16.6.7.1 and 16.6.7.2	17.10.0
2023-09	RAN#101	R5-234711	0320	-	F	Update of applicability for inter-band PC2 CA test cases	17.10.0
2023-09	RAN#101	R5-234735	0322	-	F	Update to R17 NR CADC configuration test cases applicability	17.10.0
2023-09	RAN#101	R5-234826	0325	-	F	Updates of applicability for RedCap demod test cases	17.10.0
2023-09	RAN#101	R5-234862	0327	-	F	Addition of applicability for test cases of unified TCI state	17.10.0
2023-09	RAN#101	R5-234931	0328	-	F	Addition of new NR-U test case 6.2F.2 in 38.522	17.10.0
2023-09	RAN#101	R5-235039	0329	-	F	Removing NOTE 1 for test case 6.5D.2.2_1 in table 4.1.1-1	17.10.0

2023-09	RAN#101	R5-235105	0331	-	F	Addition applicability for Power saving Enh test cases 6.5.1.9 and 5.5.5.9	17.10.0
2023-09	RAN#101	R5-235220	0334	-	F	Update to applicability for FR2 RF phase continuity test	17.10.0
2023-09	RAN#101	R5-235797	0321	1	F	Update to R16 NR CADC configuration test cases applicability	17.10.0
2023-09	RAN#101	R5-235798	0314	1	F	Update to NR-U test applicability	17.10.0
2023-09	RAN#101	R5-235799	0308	1	F	Correction to applicability for RedCap RRM TCs	17.10.0
2023-09	RAN#101	R5-235800	0313	1	F	Update to applicability for power savings tests	17.10.0
2023-09	RAN#101	R5-235801	0305	1	F	Adding applicability statement for NR SA FR1 DL interruptions at switching between two uplink carriers test cases	17.10.0
2023-09	RAN#101	R5-235802	0326	1	F	Addition of test applicability for 2Tx switching	17.10.0
2023-09	RAN#101	R5-235803	0311	1	F	Update to applicability of 5G test cases	17.10.0
2023-09	RAN#101	R5-235804	0333	1	F	Corrections on the note for operator NOT in Table 4.0-2	17.10.0
2023-09	RAN#101	R5-235962	0301	1	F	Correction of Additional Information for 6.5B.3.3.1, 6.5B.3.3.2 and 7.3B.2.3 of 38.521-3	17.10.0
2023-12	RAN#102	R5-236248	0337	-	F	Removal of technical content in TS 38.522 v17.10.0 and substitution with pointer to the next Release	17.11.0

History

Document history		
V17.4.0	May 2022	Publication
V17.5.0	August 2022	Publication
V17.6.0	October 2022	Publication
V17.7.0	January 2023	Publication
V17.8.0	May 2023	Publication
V17.9.0	July 2023	Publication
V17.10.0	October 2023	Publication
V17.11.0	January 2024	Publication