ETSI TR 138 905 V15.4.0 (2023-01)



5G;

NR;

Derivation of test points for radio transmission and reception User Equipment (UE) conformance test cases (3GPP TR 38.905 version 15.4.0 Release 15)



Reference RTR/TSGR-0538905vf40 Keywords 5G

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Foreword

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- 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.

1 Scope

The present document specifies and contains the derivation of Test Points for NR RF test cases, thereby 3GPP TSG RAN WG5 will have a way of storing the input contributions provided. The test cases are described in TS38.521-1[2], TS38.521-2[3] and TS38.521-3[4],

The test cases which have been analysed to determine Test Points are included as .zip files.

The present document is applicable from Release 15 up to the release indicated on the front page of the present Terminal conformance specifications.

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.
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[1] to [4] (void)

[5] 3GPP TR 38.905 Release 16: "NR; Derivation of test points for radio transmission and reception User Equipment (UE) conformance test cases"

3 Definitions, symbols and abbreviations

Void

4 Test coverage analysis

The requirements of the present document are provided in 3GPP TR 38.905 Release 16 [5].

Annex A: Void

Annex B: Change history

Date	Mooting	TDoc	CR	D	Cat	Change history Subject/Comment	New
Date	Meeting	TDoc	CK	R	Cat	Subject/Comment	version
2017-09	RAN5#76	R5-174704	-	-	-	Draft skeleton TR 38.905	0.0.1
2018-04	RAN5#7-	R5-181954	_	+-	_	Agreed Text Proposal in RAN5#2-5G-NR Adhoc:	0.1.0
2010-04	5G-NR	10 101004				R5-181889 , "TP to update TR 38.905 with information on test point	0.1.0
	Adhoc					analysis "	
						Agreed Test Point Analysis in RAN5#78:	
						R5-180885, "Discussion on test point selection for NR Occupied	
						Bandwidth in FR1"	
						R5-180886 , "Discussion on test point selection for NR SEM in FR1"	
						R5-180887, "Discussion on test point selection for NR ACLR in FR1"	
						R5-181524, "Discussion on test point selection for Absolute Power Tolerance in FR1"	
						R5-181525, "Discussion on test point selection for Aggregate Power	
						Tolerance in FR1"	
						Agreed Test Point Analysis in RAN5#2-5G-NR Adhoc:	
						R5-182019, "Discussion of NR FR1 Test Point for TX Spurious	
						Emission test cases "	
						R5-182024, "Discussion on test point selection for NR Frequency	
						Error in FR1"	
						R5-181830 , "Discussion on test point selection for Maximum Output	
						Power in FR1"	
						R5-181831 , "Discussion on test point selection for Minimum Output Power in FR1 R5-181832 , "Discussion on test point selection for	
						General ON/OFF Time Mask in FR1"	
						R5-181879, "Discussion on test point selection for NR In-Band in	
						FR1"	
						R5-181880, "Discussion on test point selection for NR ACS in FR1"	
						R5-182025, "Discussion on test point selection for NR Frequency	
						Error in FR1"	
						R5-181905, "Discussion on test point selection for NR Occupied	
						Bandwidth in FR2"	
						R5-182030, "Discussion on test point selection for NR ACLR in FR2"	
						R5-182042, "Discussion on test point selection for NR In-Band	
						blocking in FR2" PE 192044 "Discussion on test point collection for NR ACS in FR2"	
2018-05	RAN5#79	R5-183078				R5-182044, "Discussion on test point selection for NR ACS in FR2" Document title corrected.	0.2.0
2010-03	IXANO#13	13-103070	_		_	Document title corrected.	0.2.0
						Agreed Text Proposal in RAN WG5#79:	
						R5-183963 , "Test Point analysis for FR1 RefSens test case"	
2018-08	RAN5#80	R5-185134	-	-	-	R5-184923, "Test Point analysis for FR2 RefSense test case"	1.0.0
						R5-184961, "TP for updating TR 38.905 with FR2 Frequency Error	
						test point analysis"	
						R5-185307, "TP for updating TR38.905 with FR1 AMPR test point	
						analyses with NS_35"	
						R5-185309, "Test Point analysis for FR1 Configured Output Power	
						for SUL" PE 195211 "TD for underling TD 39 005 with ED1 Corrier Leekege	
						R5-185311, "TP for updating TR 38.905 with FR1 Carrier Leakage test point analysis"	
						R5-185314, "TP for updating TR 38.905 with FR1 EVM equalizer	
						spectrum flatness test point analysis"	
						R5-185316 , "TP for updating TR 38.905 with FR1 Frequency Error	
						test point analysis"	
						R5-185412 , "TP for updating TR 38.905 with EVM test point	
						analysis"	
						R5-185491, "Test Point analysis for FR2 TxSpurious test case"	
						R5-185215, "TP for updating TR 38.905 with FR2 SEM test point	
						analysis"	
						R5-185334, "Discussion of LTE Test point selection for EN-DC with	
						FR1 Tx Spurious emission Test"	
						R5-185301 , "Discussion on test point selection for NR Out-of-band in	
						FR1" R5-185423, "Discussion on Uplink configuration for NR Transmit	
						Intermodulation in FR1"	
						R5-185216, "TP for updating TR38.905 with UE AMPR for NS_04	
						Intra-band contiguous EN-DC"	
						R5-185319 , "TP for updating TR 38.905 with FR1 In-band Emissions	
	<u>L</u>			1	L	test point analysis"	<u></u>
2018-09	RAN#81	-	<u> </u>	-	-	raised to v15.0.0 with editorial changes only	15.0.0
2018-12	RAN#82	R5-186454	0016	-	F	TP analysis for test case 6.5.2.4.2	15.1.0
2018-12					F	TP analysis for EN-DC test case 6.2B.2.3	15.1.0

Board configurus EN-DC with FRI	2018-12	RAN#82	R5-186609	0018	-	F	TP_analysis for TX spurious emission UE co-existence for intra-	15.1.0
2018-12 RANN82 RS-186611 0020 F F F F F F F F F	2018-12	RAN#82	R5-186610	0019	-	F	TP analysis for Reference sensitivity for Intra-band Contiguous EN-	15.1.0
2018-12 RANNB2 R5-186714 0021 F Test point analysis for AMPR Intra-band corniguous EN-DC in FR1 15.1.0	2019 12	D / N # 9 2	D5 196611	0020		_		15 1 0
2018-12 RANN82 R5-186791 0022 - F TP enalysis for test case 6.28.2.4, UE Maximum Output Power reduction for trets-Band END. Cincluding FR2 2018-12 RANN82 R5-186791 0028 - F TP enalysis SEM intraband contiguous EN-DC 15.1.0 2018-12 RANN82 R5-187905 0029 - F TP enalysis SEM intraband contiguous EN-DC 15.1.0 2018-12 RANN82 R5-187905 0037 - F Update test points analysis for multiple FR1 test cases 15.1.0 2018-12 RANN82 R5-187905 0037 - F Update test points analysis for multiple FR1 test cases 15.1.0 2018-12 RANN82 R5-187905 0037 - F Update test points analysis for the property of the pro					-		Test point analysis for AMPR Intra-band contiguous EN-DC in FR1	
2018-12 RAN#82 R-518736 0031 F TP analysis SEM intraband contiguous EN-DC 15.1 0	2018-12	RAN#82	R5-186710	0022	-	F	TP analysis for test case 6.2B.2.4, UE Maximum Output Power	15.1.0
2018-12 RANM82 R-51-87035 0031 F Update for 17 83 905 with S-PT A Market point analyses 15.1.0	2018-12	RAN#82	R5-186791	0028	-	F	TP analysis OBW intraband contiguous EN-DC	15.1.0
2018-12 RANM82 R5-187360 037 F Update of TR 38.905 with SA FR1 A-MFR test point analyses, NS_04 15.10	2018-12	RAN#82	R5-186792	0029	-	F		15.1.0
NS 04 NS 0	2018-12		R5-187035	0031	-	F	Update test points analysis for multiple FR1 test cases	15.1.0
2018-12 RANHEQ R5-1892Z7 0041 1 F Test Point analysis for FRI baskimum Output Power 15.1.0 2018-12 RANHEQ R5-187582 0043 - F Test point selection for EVM in FR2 15.1.0 2018-12 RANHEQ R5-187582 0044 - F Discussion on test point selection for EVM in FR2 15.1.0 2018-12 RANHEQ R5-187584 0045 - F Discussion on test point selection for EVM equalizer spectrum flatness in 15.1.0 2018-12 RANHEQ R5-187587 0046 - F Discussion on test point selection for EVM equalizer spectrum flatness in 15.1.0 2018-12 RANHEQ R5-187587 0046 - F Discussion on test point selection for EVM equalizer spectrum flatness in FR2 15.1.0 2018-12 RANHEQ R5-187587 0046 - F Discussion on test point selection for EVM equalizer spectrum flatness in FR2 2018-12 RANHEQ R5-187583 0044 - F Discussion on test point selection for EVM equalizer spectrum 15.1.0 2018-12 RANHEQ R5-187580 0023 1 F Discussion on test point selection for EVM equalizer spectrum 15.1.0 2018-12 RANHEQ R5-187606 0023 1 F Test Point analysis for FR1 7 4 Maximum input level 15.1.0 2018-12 RANHEQ R5-187606 0023 1 F Test Point analysis for FR1 7 4 Maximum input level 15.1.0 2018-12 RANHEQ R5-187810 0036 1 F Test Point analysis for the elevent burst for FR1 SA 15.1.0 2018-12 RANHEQ R5-187810 0035 1 F Test Point analysis for receiver spurious emission tests for FR1 SA 15.1.0 2018-12 RANHEQ R5-187810 0035 1 F Test Point analysis for receiver spurious emission tests for FR1 inter-band 15.1.0 EN-DC C108-12 RANHEQ R5-187810 0035 1 F Test Point analysis for R5 2.7 4 Maximum input level 15.1.0 2018-12 RANHEQ R5-187907 0024 1 F Test Point analysis for R6 2.3 4 PRACH time mask in FR1 15.2.0 2018-03 RANHEQ R5-187907 0024 1 F Test Point analysis for R6 2.3 4 PRACH time mask in FR1 15.2.0 2018-03 RANHEQ R5-191267 0077 F Test Point analy	2018-12	RAN#82	R5-187396	0037	-	F		15.1.0
2018-12 RANH92 R5-187489 0042 - F TP analysis for FR1 test case 6.3.4.3, relative power tolerance 15.1.0 2018-12 RANH92 R5-187583 0044 - F Obscussion on test point selection for EVM in FR2 15.1.0 2018-12 RANH92 R5-187583 0044 - F Obscussion on test point selection for EVM equalizer spectrum flatness in FR1 15.1.0 2018-12 RANH92 R5-187587 0046 - F Obscussion on test point selection for EVM equalizer spectrum flatness in FR1 R1	2018-12	RAN#82		0039	1			
2018-12 RAN#82 R5-187582 0043 - F Discussion on test point selection for EVM in FR2 15.1.0 2018-12 RAN#82 R5-187584 0045 - F Discussion on test point selection for EVM equalizer spectrum flatness in 15.1.0 2018-12 RAN#82 R5-187589 0047 - F Discussion on test point selection for EVM equalizer spectrum flatness in 15.1.0 2018-12 RAN#82 R5-187589 0047 - F Discussion on test point selection for Inchand Emissions in FR2 15.1.0 2018-12 RAN#82 R5-187589 0047 - F Discussion on test point selection for EVM equalizer spectrum flatness in FR2 2018-12 RAN#82 R5-187589 0047 - F Discussion on test point selection for EVM equalizer spectrum 15.1.0 2018-12 RAN#82 R5-187690 0023 1 F Discussion on test point selection for EVM equalizer spectrum 15.1.0 2018-12 RAN#82 R5-187690 0023 1 F Discussion on test point selection for EVM equalizer spectrum 15.1.0 2018-12 RAN#82 R5-187690 0035 1 F T Panalysis for FR1 T 4 Maximum input level 15.1.0 2018-12 RAN#82 R5-187690 0035 1 F T Panalysis for receiver spurious emission tests for FR1 SA 15.1.0 2018-12 RAN#82 R5-187891 0033 1 F T Panalysis for receiver spurious emission tests for FR1 SA 15.1.0 2018-12 RAN#82 R5-187896 0025 1 F T Panalysis for wideband intermodulation tests for FR1 SA 15.1.0 2018-12 RAN#82 R5-187896 0025 1 F T Panalysis for wideband intermodulation tests for FR1 inter-band 15.1.0 2018-12 RAN#82 R5-187897 0024 1 F Test Point analysis for FR2 7.4 Maximum input level 15.1.0 2018-01 RAN#83 R5-191260 0076 - F Test Point analysis for FR2 7.5 Maximum input level 15.1.0 2018-01 RAN#83 R5-191260 0076 - F Test Point analysis for FR2 7.5 Maximum input level 15.1.0 2019-03 RAN#83 R5-191260 0076 - F Test Point analysis for FR2 7.5 Maximum input level 15.1.0 2019-03 RAN#83 R5-191260 0076 - F Test Point analysis for FR2 7.5 Maximum input level 15.2.0 2019-03 RAN#83 R5-191260 0076 - F Test Point analysis for FR1 Ed. 8.3 A PRACH time mask in FR1 15.2.0 2019-03 RAN#83 R5-191260 0076 - F Test Point analysis for FR1 Ed. 8.3 A PRACH time mask in FR1 15.2.0 2019-03 RAN#83 R5-19260 0081 F F Addi	2018-12	RAN#82	R5-188227	0041	1	-		
2019-12 RANH82 R5-187583 0044 F Discussion on test point selection for Carrier Leakage in FR2 15.1.0					-			
2018-12					-			
FR1				0044	-			
2018-12 RAN#82 R5-187589 0047 F Discussion on test point selection for EVM equalizer spectrum 15.1.0 flatness in FR2 Discussion on test point selection for EVM equalizer spectrum 15.1.0 flatness in FR2 Discussion on test point selection for EVM equalizer spectrum 15.1.0 15.10 15.					-		FR1	
State					-		'	
flatness for PI/2 BPSK in FR1					-		flatness in FR2	
2018-12 RAN#82 R5-187809 0036 1 F TP analysis for receiver spurious emission tests for FR1 SA 15.1.0 2018-12 RAN#82 R5-187817 0033 1 F TP analysis for wideband intermodulation tests for FR1 inter-band fish.10 2018-12 RAN#82 R5-187818 0034 1 F TP analysis for receiver spurious emission tests for FR1 inter-band fish.10 2018-12 RAN#82 R5-187818 0034 1 F TP analysis for receiver spurious emission tests for FR1 inter-band fish.10 2018-12 RAN#82 R5-187806 0025 1 F Test Point analysis for receiver spurious emission tests for FR1 inter-band fish.10 2018-12 RAN#82 R5-187806 0025 1 F Test Point analysis for FR2 7.4 Maximum input level 15.1.0 2019-03 RAN#83 R5-191260 0077 F Test Point analysis for FR1 MPR test case 15.1.0 2019-03 RAN#83 R5-19137 0077 F Test Point analysis for NR Narrow band in FR1 15.2.0 2019-03 RAN#83 R5-191678 0086					-		flatness for Pi/2 BPSK in FR1	
2018-12 RAN#82 R5-187817 0033 1 F TP analysis for wideband intermodulation tests for FR1 is A 15.1.0 2018-12 RAN#82 R5-187818 0034 1 F TP analysis for wideband intermodulation tests for FR1 inter-band 15.1.0 2018-12 RAN#82 R5-187818 0034 1 F TP analysis for wideband intermodulation tests for FR1 inter-band 15.1.0 2018-12 RAN#82 R5-187836 0025 1 F TP analysis for FR1 FR1 fr1 inter-band 15.1.0 2018-12 RAN#82 R5-187890 0024 1 F Test Point analysis for FR1 MPR test case 15.1.0 2019-03 RAN#83 R5-191260 0078 - F Test Point analysis for NR Narrow band in FR1 15.2.0 2019-03 RAN#83 R5-191261 0079 - F Test Point analysis for NR Narrow band in FR1 15.2.0 2019-03 RAN#83 R5-191337 0086 - F Adding test case 6.28.2.1 to 38.905 15.2.0 2019-03 RAN#83 R5-19							,	
2018-12 RAN#82 R5-187817 0033 1 F TP analysis for receiver spurious emission tests for FR1 inter-band 15.1.0	2018-12	RAN#82	R5-187808	0035				15.1.0
BN-DC						-		
BN-DC							EN-DC	
2018-12 RAN#82 R5-187907 0024 1 F Test Point analysis for FR1 MPR test case 15.1.0	2018-12	RAN#82	R5-187818	0034	1	F		15.1.0
2019-03 RAN#83 R5-191257 0077 - F Test Point analysis for TC 6.3.3.4 PRACH time mask in FR1 15.2.0 2019-03 RAN#83 R5-191261 0079 - F Test Point analysis for NR Narrow band in FR1 15.2.0 2019-03 RAN#83 R5-191261 0079 - F Test Point analysis for NR Narrow band in FR1 15.2.0 2019-03 RAN#83 R5-19137 0081 - F Adding test case 6.2B.2.1 to 38.905 15.2.0 2019-03 RAN#83 R5-19187 0086 - F Addition of TP analysis of FR2 6.3.1 Minimum output power 15.2.0 2019-03 RAN#83 R5-191855 0091 - F Test Point analysis update for FR2 TxSpurious test case 15.2.0 2019-03 RAN#83 R5-192000 0104 - F Adding test case 7.4B.1 to 38.905 15.2.0 2019-03 RAN#83 R5-192000 0105 - F Adding test case 7.4B.2 to 38.905 15.2.0 2019-03 RAN#83 R5-192000 0108								
2019-03 RAN#83 R5-191260 0078 - F Test Point analysis for NR Narrow band in FR1 15.2.0 2019-03 RAN#83 R5-191337 0081 - F Test Point analysis for NR Narrow suprious response in FR1 15.2.0 2019-03 RAN#83 R5-191678 0086 - F Addition of TP analysis of FR2 6.3.1 Minimum output power 15.2.0 2019-03 RAN#83 R5-191855 0091 - F Test Point analysis update for FR2 Disputous test case 15.2.0 2019-03 RAN#83 R5-191855 0091 - F Test Point analysis update for FR2 Disputous test case 15.2.0 2019-03 RAN#83 R5-191855 0091 - F Test Adding test case 7.48.1 to 38.905 15.2.0 2019-03 RAN#83 R5-192000 0106 - F Adding test case 7.48.1 to 38.905 15.2.0 2019-03 RAN#83 R5-192000 0106 - F Adding test case 6.28.1.1 to 38.905 15.2.0 2019-03 RAN#83 R5-192000 <				0024	1			
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2019-03 RAN#83 R5-191337 0081 - F Adding test case 6.2B.2.1 to 38.905 15.2.0					-			
2019-03 RAN#83 R5-191678 0086 - F Addition of TP analysis of FR2 6.3.1 Minimum output power 15.2.0					-			
2019-03 RAN#83 R5-191811 0087 F Test Point analysis update for FR2 TxSpurious test case 15.2.0 2019-03 RAN#83 R5-191855 0091 F TP analysis 38.905 6.5.3.1 TX SpurEmission 15.2.0 2019-03 RAN#83 R5-192003 0105 F Adding test case 7.4B. 1 to 38.905 15.2.0 2019-03 RAN#83 R5-192007 0106 F Adding test case 6.2B.1.1 to 38.905 15.2.0 2019-03 RAN#83 R5-192007 0106 F Adding test case 6.2B.1.1 to 38.905 15.2.0 2019-03 RAN#83 R5-192007 0106 F Adding test case 6.2B.1.1 to 38.905 15.2.0 2019-03 RAN#83 R5-192009 0108 F Adding test case 6.2B.1.3 to 38.905 15.2.0 2019-03 RAN#83 R5-19209 0108 F Adding test case 6.2B.1.3 to 38.905 15.2.0 2019-03 RAN#83 R5-192239 0116 F TP analysis of FR1 time alignment error for UL MIMO 15.2.0 2019-03 RAN#83 R5-192401 0085 1 F Addition of TP analysis of FR1 6.2.4 Configured transmitted power 15.2.0 2019-03 RAN#83 R5-192405 0100 1 F TP analysis for FR1 6.5A.2.4.2.1 UTRA ACLR for CA (2UL CA) 15.2.0 2019-03 RAN#83 R5-192406 0103 1 F TP analysis for FR1 6.5A.2.4.2.1 UTRA ACLR for CA (2UL CA) 15.2.0 2019-03 RAN#83 R5-192406 0103 1 F TP analysis for FR1 6.5A.2.4.2.1 UTRA ACLR for CA (2UL CA) 15.2.0 2019-03 RAN#83 R5-192406 0103 1 F TP analysis for FR1 6.5A.2.4.2.1 UTRA ACLR for CA (2UL CA) 15.2.0 2019-03 RAN#83 R5-192440 0113 1 F Addition of TP analysis for FR1 6.5A.2.1.3 Configured transmitted 15.2.0 2019-03 RAN#83 R5-192540 0080 1 F Adding FR2 test case 6.3.4.3 to 38.905 15.2.0 2019-03 RAN#83 R5-192560 0082 1 F Test Point analysis for FR1 6.3A.2.1.1 Error Vector Magnitude for CA (2UL CA) 15.2.0 2019-03 RAN#83 R5-192570 0096 1 F TP analysis for FR1 6.4A.2.3.1 In-band emissions for CA (2UL CA) 15.2.0 2019-03 RAN#83 R5-192573 0098 1 F TP analysis for FR1 6.5A.3.2.1 Spectrum emission mask for CA (2UL CA) 15.2.0 2019-03 RAN#83 R5-192575					-			
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2019-03 RAN#83 R5-192002 0104 F Adding test case 7.4B.1 to 38.905 15.2.0					-			
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2019-03	RAN#83	R5-192647	0092	1	F	Addition of Test Point analysis of FR2 6.3.4.4 Aggregate power tolerance	15.2.0
2019-03	RAN#83	R5-192684	0073	1	F	TP analysis for FR1 Rx 7.9A.1 Spurious Emission for 2DL CA	15.2.0
2019-03	RAN#83	R5-192691	0111	1	F	Addition of TP analysis for EN-DC 6.2B.4.1.1 Configured transmitted power Intra-band contiguous	15.2.0
2019-03	RAN#83	R5-192692	0112	1	F	Addition of TP analysis for EN-DC 6.2B.4.1.2 Configured transmitted power Intra-band non-contiguous	15.2.0
2019-03	RAN#83	R5-192846	0114	2	F	Introduction of new section for Tp analysis of Tx spurious	15.2.0
2019-06	RAN#84	R5-193543	0137	_	F	Additional TT analysis for 38.521-3 MPR intra-band contiguous	15.3.0
2019-06	RAN#84	R5-193730	0146	-	F	Addition of test frequency selection of 6.5A.3.2 for Rel-16 CA_n41A-n79A	15.3.0
2019-06	RAN#84	R5-193808	0147	-	F	Addition of TP analysis for power control for UL-MIMO	15.3.0
2019-06	RAN#84	R5-193916	0148	-	F	Update of TP analysis of 6.2D.3 A-MPR for UL-MIMO	15.3.0
2019-06	RAN#84	R5-193919	0149	-	F	Add SA FR1 RF 6.5D.2.4.2 to 38.905	15.3.0
2019-06	RAN#84	R5-194010	0151	-	F	Test Point analysis update for FR2 TxSpurious UE coexistence test case	15.3.0
2019-06	RAN#84	R5-194168	0152	-	F	Updating Annex A; Derivation documents	15.3.0
2019-06	RAN#84	R5-194169	0153	-	F	Update of test points analysis for NS_35 A-MPR FR1 test case	15.3.0
2019-06	RAN#84	R5-194170	0154	-	F	Test point analysis for A-MPR Intra-band contiguous EN-DC; NS_04	15.3.0
2019-06	RAN#84	R5-194257	0155	-	F	TP analysis for Asymmetric CH BWs in Reference Sensitivity Requirements in FR1	15.3.0
2019-06	RAN#84	R5-194402	0158	-	F	Test Point analysis for EN-DC In-band emissions for intra-band contiguous	15.3.0
2019-06	RAN#84	R5-194459	0160	-	F	Update to TP analysis for FR2 Maximum Output Power	15.3.0
2019-06	RAN#84	R5-194904	0142	1	F	Addition of TP analysis for 38.521-1 7.6D.3	15.3.0
2019-06	RAN#84	R5-194907	0163	1	F	Addition of TP analysis for 38.521-1 6.3A.3	15.3.0
2019-06	RAN#84	R5-194909	0164	1	F	Addition of TP analysis for 38.521-1 6.3A.1 FR1	15.3.0
2019-06	RAN#84	R5-194913	0165	-	F	Addition of TP analysis for ACS for 2DL CA in FR1	15.3.0
2019-06	RAN#84	R5-194914	0166	-	F	Addition of TP analysis for FR1 MOP for CA	15.3.0
2019-06	RAN#84	R5-194927	0162	1	F	Addition of test frequency selection of spurious co-existence interband for DC 3-n79	15.3.0
2019-06	RAN#84	R5-194931	0141	1	F	Addition of TP analysis for 38.521-1 7.6D.2	15.3.0
2019-06	RAN#84	R5-194932	0143	1	F	Addition of TP analysis for 38.521-1 7.6D.4	15.3.0
2019-06	RAN#84	R5-194933	0144	1	F	Addition of TP analysis for 38.521-1 7.8D.2	15.3.0
2019-06	RAN#84	R5-194959	0167	-	F	Addition of TP analysis for UL-MIMO cases of 6.3D.1 and 6.3D.3	15.3.0
2019-06	RAN#84	R5-194961	0157	1	F	TP analysis for FR2 Tx 6.3A.1.1 Minimum output power for CA 2UL CA	15.3.0
2019-06	RAN#84	R5-194963	0161	1	F	Update SCS test points for FR2 ACS and Inband blocking test cases	15.3.0
2019-06	RAN#84	R5-195055	0150	1	F	Addition of test frequency selection of 6.5B.3.3.2 spurious co- existence inter-band for Rel-16 DC configurations	15.3.0
2019-06	RAN#84	R5-195146	0138	1	F	Addition of TP analysis for SA FR2 6.2.2	15.3.0
2019-06	RAN#84	R5-195148	0139	1	F	Addition of TP analysis for SA FR2 6.3.2	15.3.0
2019-06	RAN#84	R5-195190	0145	1	F	TPanalysis of 7.7D Spurious response for UL-MIMO	15.3.0
2022-12	RAN#98	R5-225995	0675	-	F	Removal of technical content in 38.905 v15.3.0 and substitution with pointer to the next Release	15.4.0

History

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