



**5G;  
NR;  
User Equipment (UE) conformance specification;  
Radio transmission and reception;  
Part 3: Range 1 and Range 2 Interworking operation with other  
radios  
(3GPP TS 38.521-3 version 16.8.0 Release 16)**



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Reference

RTS/TSGR-0538521-3vg80

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Keywords

5G

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# Contents

Intellectual Property Rights .....	2
Legal Notice .....	2
Modal verbs terminology.....	2
Foreword.....	4
1 Scope .....	5
2 References .....	5
3 Definitions, symbols and abbreviations .....	5
4 General .....	5
5 to 7 Void.....	5
<b>Annex A to N: Void .....</b>	<b>6</b>
<b>Annex O (informative): Change history .....</b>	<b>7</b>
History .....	28

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# 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:

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- x the first digit:
  - 1 presented to TSG for information;
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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.

The present document is part 3 of a multi-part Technical Specification (TS) covering the New Radio (NR) User Equipment (UE) conformance specification, which is divided in the following parts:

- TS 38.521-1 [8]: "NR; User Equipment (UE) conformance specification; Radio transmission and reception; Part 1: Range 1 Standalone" (the present document).
- TS 38.521-2 [9]: "NR; User Equipment (UE) conformance specification; Radio transmission and reception; Part 2: Range 2 Standalone".
- 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".
- TS 38.521-4 [22]: "NR; User Equipment (UE) conformance specification; Radio transmission and reception; Part 4: Performance".
- TS 38.522 [14]: "NR; User Equipment (UE) conformance specification; Applicability of RF and RRM test cases".
- TS 38.533 [23]: "NR; User Equipment (UE) conformance specification; Radio resource management (RRM)".

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# 1 Scope

The present document specifies the measurement procedures for the conformance test of the user equipment (UE) that contain RF characteristics for carrier aggregation between Range 1 and Range 2 and additional requirements due to NR non-standalone (NSA) operation mode with E-UTRA.

The requirements are listed in different clauses only if the corresponding parameters deviate. More generally, tests are only applicable to those mobiles that are intended to support the appropriate functionality. To indicate the circumstances in which tests apply, this is noted in the "*definition and applicability*" part of the test.

For example only Release 15 and later UE declared to support 5G-NR shall be tested for this functionality. In the event that for some tests different conditions apply for different releases, this is indicated within the text of the test itself.

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# 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] to [24] (void)

[25] 3GPP TS 38.521-3 Release 17: "NR; User Equipment (UE) conformance specification; Radio transmission and reception; Part 3: Range 1 and Range 2 Interworking operation with other radios"

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# 3 Definitions, symbols and abbreviations

Void

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# 4 General

The requirements of the present document are provided in 3GPP TS 38.521-3 Release 17 [25].

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# 5 to 7 Void

# Annex A to N: Void

## Annex O (informative): Change history



Change history							
Date	Meeting	TDoc	CR	R ev	Cat	Subject/Comment	New version
2017-08	RAN5#76	R5-174710	-	-	-	Draft skeleton	0.0.1
2018-01	RAN5#1-5G-NR Adhoc	R5-180086	-	-	-	TP to add clause 6.2B.3.3 UE A-MPR intra-band EN-DC to 38.521-3	0.1.0
2018-01	RAN5#1-5G-NR Adhoc	R5-180087	-	-	-	TP to add clause 6.5B.2.1.2 Additional Spectrum emissions mask (contiguous sub-blocks) for intra-band EN-DC to 38.521-3	0.1.0
2018-02	RAN5#78	R5-181509	-	-	-	Updated 38.521-3 for new Annex A Dual uplink interferer information	0.2.0
2018-02	RAN5#78	R5-181690	-	-	-	Updated 38.521-3 for channel bandwidth information	0.2.0
2018-03	RAN5#2-5G-NR Adhoc	R5-181760	-	-	-	Draft TS 38.521-3 0.3.0	0.3.0
2018-04	RAN5#2-5G-NR Adhoc	R5-182035	-	-	-	5G-NR Text Proposal to add spurious emissions test case to 38.521-3	0.4.0
2018-04	RAN5#2-5G-NR Adhoc	R5-182016	-	-	-	TP for new test case: 6.5B.2.1.3, Adjacent channel leakage ratio for intra-band contiguous EN-DC	0.4.0
2018-04	RAN5#2-5G-NR Adhoc	R5-182017	-	-	-	TP to update clause 6.2B.3.1 UE A-MPR intra-band EN-DC to 38.521-3	0.4.0
2018-04	RAN5#2-5G-NR Adhoc	R5-182018	-	-	-	TP to update clause 6.5B.2.1.2 Additional spectrum emission mask to 38.521-3	0.4.0
2018-04	RAN5#2-5G-NR Adhoc	R5-181807	-	-	-	Update to Operating bands of 38.521-3	0.4.0
2018-04	RAN5#2-5G-NR Adhoc	R5-181808	-	-	-	Update to clause 3 and clause 4 of 38.521-3	0.4.0
2018-04	RAN5#2-5G-NR Adhoc	R5-181828	-	-	-	Updated 38.521-3 for channel bandwidth information with new structure	0.4.0
2018-07	RAN5#79	R5-183961	-	-	-	5G_FR1_EN_DC_RF_sensitivity_for_DC	0.5.0
2018-07	RAN5#79	R5-183962	-	-	-	Introduction of TC 6.2B.1.3 for EN-DC	0.5.0
2018-07	RAN5#79	R5-183949	-	-	-	Statistical Testing Annex for 38.521-3	0.5.0
2018-07	RAN5#79	<a href="#">R5-182995</a>	-	-	-	Corrections annex for EIRP and TRP metric definition in TS 38.521-3	0.5.0
2018-07	RAN5#79	<a href="#">R5-183707</a>	-	-	-	TP for updating test case 6.2B.2.1, UE Maximum Output Power reduction for Intra-Band Contiguous EN-DC	0.5.0
2018-07	RAN5#79	<a href="#">R5-183708</a>	-	-	-	Updated clause 5.5B Configuration for DC to 38.521-3	0.5.0
2018-07	RAN5#79	<a href="#">R5-183709</a>	-	-	-	TP to add Occupied BW EN-DC test case	0.5.0
2018-07	RAN5#79	<a href="#">R5-183710</a>	-	-	-	TP to add SEM EN-DC test case	0.5.0
2018-07	RAN5#79	<a href="#">R5-183711</a>	-	-	-	TP to add ACLR EN-DC test case	0.5.0
2018-09	RAN5#80	<a href="#">R5-185563</a>	-	-	-	FR2_StoreTxRxBeamPeakCoordinates_38.521-3	1.0.0
2018-09	RAN5#80	R5-185520	-	-	-	Addition of TRx MU and TT in TS 38.521-3 Annex	1.0.0
2018-09	RAN5#80	R5-185503	-	-	-	Add Clause 7.5B.1 into TS 38.521-3	1.0.0
2018-09	RAN5#80	R5-185504	-	-	-	Add Clause 7.5B.2 into TS 38.521-3	1.0.0
2018-09	RAN5#80	R5-185505	-	-	-	Add Clause 7.5B.3 into TS 38.521-3	1.0.0
2018-09	RAN5#80	<a href="#">R5-184579</a>	-	-	-	Updated EN-DC configuration information in clause 5	1.0.0
2018-09	RAN5#80	<a href="#">R5-184580</a>	-	-	-	TIB value add for EN-DC band in 38.521-3	1.0.0
2018-09	RAN5#80	<a href="#">R5-184671</a>	-	-	-	Update of References in clause 2 of 38.521-3 spec	1.0.0
2018-09	RAN5#80	<a href="#">R5-184672</a>	-	-	-	Updates to Operating Bands in clause 5.2	1.0.0
2018-09	RAN5#80	<a href="#">R5-184737</a>	-	-	-	Dual uplink interferer updated to 38.521-3	1.0.0
2018-09	RAN5#80	<a href="#">R5-184737</a>	-	-	-	Dual uplink interferer updated to 38.521-3	1.0.0
2018-09	RAN5#80	<a href="#">R5-185332</a>	-	-	-	Addition of 6.2B.4.1.1 Configured OP for Intra-Band Contiguous EN-DC	1.0.0
2018-09	RAN5#80	<a href="#">R5-185333</a>	-	-	-	Addition of 6.2B.4.1.2 Configured OP for Intra-Band Non-Contiguous EN-DC	1.0.0
2018-09	RAN5#80	<a href="#">R5-185507</a>	-	-	-	Addition of 6.2B.4.1.3 Configured OP for Inter-Band within FR1	1.0.0
2018-09	RAN5#80	R5-185198	-	-	-	Addition of 6.2B.4.1.4 Configured OP for Inter-Band EN-DC including FR2	1.0.0
2018-09	RAN5#80	R5-185199	-	-	-	Addition of 6.2B.4.1.5 Configured OP for Inter-Band EN-DC including both FR1 and FR2	1.0.0
2018-09	RAN5#80	R5-185469	-	-	-	TP for updating test case 6.2B.3.1 UE AMPR for Intra-band contiguous EN-DC	1.0.0
2018-09	RAN5#80	R5-185470	-	-	-	TP for updating test case 6.2B.3.2 UE AMPR for Intra-band non-contiguous EN-DC	1.0.0
2018-09	RAN5#80	R5-185200	-	-	-	TP for updating test case 6.5B.2.1.2 Additional spectrum emission mask for intra-band contiguous EN-DC	1.0.0

2018-09	RAN5#80	<a href="#">R5-185556</a>	-	-	-	FR2_UE_BeamlockInvoke_38.521-3	1.0.0
2018-09	RAN5#80	<a href="#">R5-185472</a>	-	-	-	Update of TC 6.2B.1.1	1.0.0
2018-09	RAN5#80	<a href="#">R5-185473</a>	-	-	-	Introduction of TC 6.2B.1.2	1.0.0
2018-09	RAN5#80	<a href="#">R5-185474</a>	-	-	-	Update of 6.2B.1.3	1.0.0
2018-09	RAN5#80	R5-185201	-	-	-	Introduction of TC 7.4B.1	1.0.0
2018-09	RAN5#80	R5-185202	-	-	-	Introduction of 7.4B.2	1.0.0
2018-09	RAN5#80	R5-185203	-	-	-	Introduction of 7.4B.3	1.0.0
2018-09	RAN5#80	<a href="#">R5-185479</a>	-	-	-	Update Occupied Bandwidth for interband EN-DC within FR1	1.0.0
2018-09	RAN5#80	<a href="#">R5-185480</a>	-	-	-	Update SEM interband EN-DC within FR1	1.0.0
2018-09	RAN5#80	<a href="#">R5-185481</a>	-	-	-	Update ACLR for interband EN-DC within FR1	1.0.0
2018-09	RAN5#80	R5-185204	-	-	-	5G NR_EN_DC with FR1_Text update for RX sensitivity	1.0.0
2018-09	RAN5#80	R5-185205	-	-	-	5G NR_EN_DC with FR1_Text_proposal for_TX_Spurious_emission	1.0.0
2018-09	RAN5#80	<a href="#">R5-185422</a>	-	-	-	Alignment of Annex numbering with core spec	1.0.0
2018-09	RAN5#80	<a href="#">R5-184897</a>	-	-	-	Updates to Channel Arrangement clause in 38.521-3	1.0.0
2018-09	RAN5#80	R5-185206	-	-	-	Addition of TC6.3B.1.1 Minimum Output power for intra-band contiguous EN-DC	1.0.0
2018-09	RAN5#80	R5-185207	-	-	-	Addition of TC6.3B.1.2 Minimum output power for intra-band non-contiguous EN-DC	1.0.0
2018-09	RAN5#80	R5-185208	-	-	-	Addition of TC6.3B.1.3 Minimum output power for inter-band EN-DC within FR1	1.0.0
2018-09	RAN5#80	<a href="#">R5-185351</a>	-	-	-	Update across EN-DC RF test cases in TS 38.521-3	1.0.0
2018-09	RAN#81	-	-	-	-	raised to v15.0.0 with editorial changes only	15.0.0
2018-12	RAN#82	R5-186503	0033	-	F	FR2 Spurious Emission test case updates	15.1.0
2018-12	RAN#82	R5-186506	0034	-	F	Update Text on Store Beam Peak Coordinate	15.1.0
2018-12	RAN#82	R5-186507	0035	-	F	38.521-3 Applicability Rules	15.1.0
2018-12	RAN#82	R5-186601	0039	-	F	5G NR_EN_DC with FR1_Text update for Intra-Band Contiguous RX sensitivity	15.1.0
2018-12	RAN#82	R5-186602	0040	-	F	5G NR_Text update for TX spurious emission intra-band contiguous EN-DC	15.1.0
2018-12	RAN#82	R5-186608	0042	-	F	Spurious emission band UE co-existence for Inter-band EN-DC within FR1	15.1.0
2018-12	RAN#82	R5-186672	0044	-	F	Updating test case 6.2B.3.1 Additional Maximum Output Power reduction for Intra-band contiguous EN-DC	15.1.0
2018-12	RAN#82	R5-186673	0045	-	F	Updating test case 6.5B.2.1.2 Additional spectrum emissions mask for intra-band contiguous EN-DC	15.1.0
2018-12	RAN#82	R5-186681	0046	-	F	Updates to EN-DC test case 6.2B.2.1, UE Maximum Output Power reduction for Intra-Band Contiguous EN-DC	15.1.0
2018-12	RAN#82	R5-186684	0047	-	F	Updates to test case 6.2B.2.3, UE Maximum Output Power reduction for Inter-Band EN-DC within FR1	15.1.0
2018-12	RAN#82	R5-186788	0049	-	F	Minor update OBW, SEM and ACLR inter-band FR1 test cases	15.1.0
2018-12	RAN#82	R5-187153	0061	-	F	Updated EN-DC configuration information in clause 5	15.1.0
2018-12	RAN#82	R5-187371	0076	-	F	Addition of TC6.3B.2.1 Transmit OFF Power for intra-band contiguous EN-DC	15.1.0
2018-12	RAN#82	R5-187372	0077	-	F	Addition of TC6.3B.2.3 Transmit OFF Power for inter-band EN-DC within FR1	15.1.0
2018-12	RAN#82	R5-187373	0078	-	F	Addition of TC6.3B.2.2 Transmit OFF Power for intra-band non-contiguous EN-DC	15.1.0
2018-12	RAN#82	R5-187552	0083	-	F	Updates to TS 38.521-3 common sections 1-4 to align with core spec	15.1.0
2018-12	RAN#82	R5-187559	0084	-	F	Updates to TS 38.521-3 clause 5 to align with core spec	15.1.0
2018-12	RAN#82	R5-187562	0085	-	F	Update to TC6.5B.3.2.1 - General Spurious Emissions for intra-band non-contiguous EN-DC	15.1.0
2018-12	RAN#82	R5-187563	0086	-	F	Update to 7.3B.2.2 - REFSENS for Intra-band Non-Contiguous EN-DC	15.1.0
2018-12	RAN#82	R5-187565	0087	-	F	Updates to TS 38.521-3 clause 4 with LTE anchor details	15.1.0
2018-12	RAN#82	R5-187614	0094	-	F	Updates to EN-DC test case 6.2B.2.2, UE Maximum Output Power reduction for Intra-Band Non-Contiguous EN-DC	15.1.0
2018-12	RAN#82	R5-187816	0048	1	F	Adding test case 6.2B.2.4, UE Maximum Output Power reduction for Inter-Band EN-DC including FR2	15.1.0
2018-12	RAN#82	R5-187819	0053	1	F	Update general parameter Connection without release in initial conditions in TS 38.521-3	15.1.0
2018-12	RAN#82	R5-187820	0043	1	F	Updates to test case 6.5B.2.1.3, Adjacent channel leakage ratio for intra-band contiguous EN-DC	15.1.0
2018-12	RAN#82	R5-187821	0052	1	F	Addition OBW intraband non contiguous EN-DC	15.1.0
2018-12	RAN#82	R5-187822	0055	1	F	Introduction of New test case 6.4B.2.2.1 Error Vector Magnitude for intra-band non-contiguous EN-DC	15.1.0
2018-12	RAN#82	R5-187823	0056	1	F	Introduction of New test case 6.4B.2.2.2 Carrier Leakage for intra-band non-contiguous EN-DC	15.1.0
2018-12	RAN#82	R5-187825	0058	1	F	Introduction of New test case 6.4B.2.3.1 Error Vector Magnitude for inter-band EN-DC within FR1	15.1.0
2018-12	RAN#82	R5-187826	0059	1	F	Introduction of New test case 6.4B.2.3.2 Carrier Leakage for inter-band EN-DC within FR1	15.1.0

2018-12	RAN#82	R5-187827	0060	1	F	Introduction of New test case 6.4B.2.3.3 In-band Emissions for inter-band EN-DC within FR1	15.1.0
2018-12	RAN#82	R5-187828	0070	1	F	Introduction of Error Vector Magnitude for intra-band contiguous EN-DC	15.1.0
2018-12	RAN#82	R5-187829	0071	1	F	Introduction of Carrier Leakage for intra-band contiguous EN-DC	15.1.0
2018-12	RAN#82	R5-187831	0088	1	F	FR2 General Spurious Emission test case update	15.1.0
2018-12	RAN#82	R5-187832	0089	1	F	FR2 Reference Sensitivity test case update	15.1.0
2018-12	RAN#82	R5-187833	0092	1	F	Updates to clause 7.3B.3.4 in TS 38.521-3	15.1.0
2018-12	RAN#82	R5-187834	0090	1	F	Updates to sections 1-4 in TS 38.521-3 to align with core spec	15.1.0
2018-12	RAN#82	R5-187835	0091	1	F	Updates to Clause 5 in TS 38.521-3	15.1.0
2018-12	RAN#82	R5-187913	0067	1	F	Addition of notes to clarify test point selection into general clause of TS 38.521-3	15.1.0
2018-12	RAN#82	R5-188012	0057	1	F	Introduction of New test case 6.4B.2.2.3 In-band Emissions for intra-band non-contiguous EN-DC	15.1.0
2018-12	RAN#82	R5-188013	0050	1	F	Addition OBW intra-band contiguous EN-DC	15.1.0
2018-12	RAN#82	R5-188014	0051	1	F	Addition SEM intra-band contiguous EN-DC	15.1.0
2018-12	RAN#82	R5-188015	0064	1	F	Additional Spurious Emissions for Intra-band contiguous EN-DC	15.1.0
2018-12	RAN#82	R5-188016	0065	1	F	Additional Spurious Emissions for Intra-band non-contiguous EN-DC	15.1.0
2018-12	RAN#82	R5-188017	0066	1	F	Additional Spurious emission for inter-band EN-DC	15.1.0
2018-12	RAN#82	R5-188018	0068	1	F	Spurious emission band UE co-existence for intra-band non-contiguous EN-DC	15.1.0
2018-12	RAN#82	R5-188019	0072	1	F	Introduction of In-band Emissions for intra-band contiguous EN-DC	15.1.0
2018-12	RAN#82	R5-188020	0073	1	F	Addition of TC6.3B.3.1 Tx ON/OFF time mask for intra-band contiguous EN-DC	15.1.0
2018-12	RAN#82	R5-188021	0074	1	F	Addition of TC6.3B.3.2 Tx ON/OFF time mask for intra-band non-contiguous EN-DC	15.1.0
2018-12	RAN#82	R5-188022	0075	1	F	Addition of TC6.3B.3.3 Tx ON/OFF time mask for inter-band EN-DC within FR1	15.1.0
2018-12	RAN#82	R5-188023	0080	1	F	Update of test case 6.5B.2.1.2 Additional spectrum emission mask for intra-band contiguous EN-DC for NS_04	15.1.0
2018-12	RAN#82	R5-188024	0081	1	F	Update of test case 6.2B.3.1 UE A-MPR for Intra-band contiguous EN-DC for NS_04	15.1.0
2018-12	RAN#82	R5-188025	0038	1	F	Update Clause 7.5B.3 in TS 38.521-3	15.1.0
2018-12	RAN#82	R5-188026	0041	1	F	5G NR_EN_DC with FR1_Text update for Inter-Band RX sensitivity	15.1.0
2018-12	RAN#82	R5-188027	0082	1	F	Update TC 7.4B.3	15.1.0
2018-12	RAN#82	R5-188028	0036	1	F	Updates of MU in TS 38.521-3 Annex F during RAN5#81	15.1.0
2018-12	RAN#82	R5-188029	0037	1	F	Updates of TT in TS 38.521-3 Annex F during RAN5#81	15.1.0
2018-12	RAN#82	R5-188039	0093	1	F	LTE Anchor Link configuration for FR2	15.1.0
2018-12	RAN#82	R5-188219	0062	1	F	Introduction of receiver spurious emission tests for FR1 inter-band EN-DC	15.1.0
2018-12	RAN#82	R5-188220	0063	1	F	Introduction of wideband intermodulation tests for FR1 inter-band EN-DC	15.1.0
2018-12	RAN#82	R5-188221	0054	1	F	LTE TDD configuration for UE Tx test in EN-DC	15.1.0
2018-12	RAN#82	R5-188222	0069	1	F	Core alignment CR to capture TS 38.101-3 updates during RAN4#89	15.1.0
2019-03	RAN#83	R5-191057	0165	-	F	Introduction of TC 7.5B.0	15.2.0
2019-03	RAN#83	R5-191157	0174	-	F	Updated EN-DC configuration information in clause 5	15.2.0
2019-03	RAN#83	R5-191231	0175	-	F	Adding missing reference to 38.521-3	15.2.0
2019-03	RAN#83	R5-191336	0176	-	F	Updates to EN-DC test case 6.2B.2.1, UE Maximum Output Power reduction for Intra-Band Contiguous EN-DC	15.2.0
2019-03	RAN#83	R5-191339	0177	-	F	Updates to EN-DC test case 6.2B.2.2, UE Maximum Output Power reduction for Intra-Band Non-Contiguous EN-DC	15.2.0
2019-03	RAN#83	R5-191340	0178	-	F	Adding test case 6.5A.2.3, Adjacent channel leakage ratio for CA without EN-DC	15.2.0
2019-03	RAN#83	R5-191510	0183	-	F	Shared Risk clarification in TS 38.521-3	15.2.0
2019-03	RAN#83	R5-191637	0193	-	F	Updates of TT in TS 38.521-3 Annex F during RAN5#NR4	15.2.0
2019-03	RAN#83	R5-191845	0200	-	F	Text update for 7.3B.3 deltaRIB,c deltaRIBNC for EN-DC	15.2.0
2019-03	RAN#83	R5-191867	0205	-	F	Addition of 7.3B.2.0 Reference sensitivity Minimum Conformance Requirements for EN-DC	15.2.0
2019-03	RAN#83	R5-192004	0215	-	F	Update of TC 6.2B.1.1	15.2.0
2019-03	RAN#83	R5-192005	0216	-	F	Update of TC 6.2B.1.2	15.2.0
2019-03	RAN#83	R5-192006	0217	-	F	Update of TC 6.2B.1.3	15.2.0
2019-03	RAN#83	R5-192176	0224	-	F	TIB,c updated for CA and EN-DC cases	15.2.0
2019-03	RAN#83	R5-192177	0225	-	F	Updated to Annex M Dual uplink interferer	15.2.0
2019-03	RAN#83	R5-192206	0228	-	F	38.521-3 Common clause updates to clarify leverage across architecture options	15.2.0
2019-03	RAN#83	R5-192207	0229	-	F	Formatting updates and index correction in TS 38.521-3	15.2.0
2019-03	RAN#83	R5-192208	0230	-	F	38.521-1 Common clause updates to clarify leverage across architecture options	15.2.0
2019-03	RAN#83	R5-192209	0231	-	F	38.521-2 Common clause updates to clarify leverage across architecture options	15.2.0

2019-03	RAN#83	R5-192242	0237	-	F	Update of test case 6.2B.3.1 UE A-MPR for Intra-band contiguous EN-DC	15.2.0
2019-03	RAN#83	R5-192243	0238	-	F	Update of test case 6.2B.3.4 UE A-MPR for Inter-Band EN-DC including FR2	15.2.0
2019-03	RAN#83	R5-192244	0239	-	F	Update of test case 6.5B.2.1.2 UE Additional spectrum emissions mask for intra-band contiguous EN-DC	15.2.0
2019-03	RAN#83	R5-192423	0157	1	F	Update of TC 7.5B.1	15.2.0
2019-03	RAN#83	R5-192424	0159	1	F	Introduction of TC 7.5B.4	15.2.0
2019-03	RAN#83	R5-192425	0166	1	F	Update of TC 7.5B.3	15.2.0
2019-03	RAN#83	R5-192427	0180	1	F	Introduction of NSA FR1 7.6B.2.1 Inband blocking for intra-band contiguous EN-DC in FR1	15.2.0
2019-03	RAN#83	R5-192428	0182	1	F	Introduction of NSA FR1 7.6B.2.3 Inband blocking for inter-band EN-DC within FR1	15.2.0
2019-03	RAN#83	R5-192429	0184	1	F	Introduction of NSA FR1 7.6B.3.1 Out-of-band blocking for intra-band contiguous EN-DC in FR1	15.2.0
2019-03	RAN#83	R5-192430	0185	1	F	Introduction of NSA FR1 7.6B.3.2 Out-of-band blocking for intra-band non-contiguous EN-DC in FR1	15.2.0
2019-03	RAN#83	R5-192431	0186	1	F	Introduction of NSA FR1 7.6B.3.3 Out-of-band blocking for inter-band EN-DC within FR1	15.2.0
2019-03	RAN#83	R5-192432	0187	1	F	Introduction of NSA FR1 7.6B.4.1 Narrow band blocking for intra-band contiguous EN-DC in FR1	15.2.0
2019-03	RAN#83	R5-192433	0188	1	F	Introduction of NSA FR1 7.6B.4.2 Narrow band blocking for intra-band non-contiguous EN-DC in FR1	15.2.0
2019-03	RAN#83	R5-192434	0189	1	F	Introduction of NSA FR1 7.6B.4.3 Narrow band blocking for inter-band EN-DC within FR1	15.2.0
2019-03	RAN#83	R5-192435	0190	1	F	Introduction of NSA FR1 7.7B.1 Spurious Response for intra-band contiguous EN-DC in FR1	15.2.0
2019-03	RAN#83	R5-192436	0191	1	F	Introduction of NSA FR1 7.7B.2 Spurious Response for intra-band non-contiguous EN-DC in FR1	15.2.0
2019-03	RAN#83	R5-192437	0192	1	F	Introduction of NSA FR1 7.7B.3 Spurious Response for inter-band EN-DC within FR1	15.2.0
2019-03	RAN#83	R5-192438	0207	1	F	Text Update for 7.3B.2.2 Reference sensitivity for Intra-band non-contiguous EN-DC	15.2.0
2019-03	RAN#83	R5-192439	0234	1	F	TS 38.521-3 corrections and clean-up to TC categories within Clause 7	15.2.0
2019-03	RAN#83	R5-192440	0179	1	F	Editorial: Band combinations for Inter-band CA between FR1 and FR2	15.2.0
2019-03	RAN#83	R5-192441	0232	1	F	TS 38.521-3 clause 5 updates to align with core specification	15.2.0
2019-03	RAN#83	R5-192442	0195	1	F	Addition of TC6.3B.4.3 PRACH Time Mask for inter-band EN-DC within FR1	15.2.0
2019-03	RAN#83	R5-192443	0220	1	F	Update of EN-DC 6.2B.4.1.3 Configured transmitted power inter-band within FR1	15.2.0
2019-03	RAN#83	R5-192445	0233	1	F	TS 38.521-3 corrections and clean-up to TC categories within Clause 6	15.2.0
2019-03	RAN#83	R5-192453	0198	1	F	FR2 NSA Spurious Emission Coexistence test case	15.2.0
2019-03	RAN#83	R5-192454	0199	1	F	FR2 NSA Frequency Error test case	15.2.0
2019-03	RAN#83	R5-192455	0221	1	F	Addition of transmit modulation quality test cases for inter-band EN-DC including FR2	15.2.0
2019-03	RAN#83	R5-192456	0222	1	F	Introduction 6.5B.1.4 OBW interband EN-DC including FR2	15.2.0
2019-03	RAN#83	R5-192457	0223	1	F	Introduction 6.5B.2.4.1 SEM interband EN-DC including FR2	15.2.0
2019-03	RAN#83	R5-192458	0226	1	F	Introduction 6.5B.2.4.3 ACLR interband EN-DC including FR2	15.2.0
2019-03	RAN#83	R5-192459	0236	1	F	Addition of TC6.3B.1.4 - Minimum Output Power for EN-DC Interband including FR2	15.2.0
2019-03	RAN#83	R5-192535	0194	1	F	Clean up of occupied bandwidth for EN-DC within FR1	15.2.0
2019-03	RAN#83	R5-192600	0196	1	F	Addition of TC6.3B.4.1 PRACH Time Mask for intra-band contiguous EN-DC	15.2.0
2019-03	RAN#83	R5-192601	0197	1	F	Addition of TC6.3B.4.2 PRACH Time Mask for intra-band non-contiguous EN-DC	15.2.0
2019-03	RAN#83	R5-192603	0201	1	F	Text Update for 6.5B.3.2 Spurious Emissions for intra-band non-contiguous EN-DC	15.2.0
2019-03	RAN#83	R5-192604	0202	1	F	Text Update for 6.5B.3.1 Spurious Emissions for intra-band contiguous EN-DC	15.2.0
2019-03	RAN#83	R5-192605	0203	1	F	Text Update for 6.5B.3.3 Spurious Emissions for Inter-band EN-DC within FR1	15.2.0
2019-03	RAN#83	R5-192606	0204	1	F	Text Update for 6.5B.4 Additional Spurious Emissions for EN-DC	15.2.0
2019-03	RAN#83	R5-192607	0209	1	F	Update to Carrier Leakage for intra-band contiguous EN-DC	15.2.0
2019-03	RAN#83	R5-192608	0210	1	F	Introduction of Error Vector Magnitude for intra-band contiguous EN-DC	15.2.0
2019-03	RAN#83	R5-192609	0211	1	F	Update to In-band Emissions for intra-band contiguous EN-DC	15.2.0
2019-03	RAN#83	R5-192610	0227	1	F	Clarification on UL slots in OBW, SEM and ACLR in TS 38.521-3	15.2.0
2019-03	RAN#83	R5-192611	0158	1	F	Update of TC 7.5B.2	15.2.0
2019-03	RAN#83	R5-192617	0167	1	F	Introducing Wideband Intermodulation for intra-band EN-DC in FR1	15.2.0
2019-03	RAN#83	R5-192618	0168	1	F	Introducing receiver spurious emission for intra-band EN-DC in FR1	15.2.0

2019-03	RAN#83	R5-192619	0181	1	F	Introduction of NSA FR1 7.6B.2.2 Inband blocking for intra-band non-contiguous EN-DC in FR1	15.2.0
2019-03	RAN#83	R5-192620	0206	1	F	Text Update for 7.3B.2.1 Reference sensitivity for Intra-band Contiguous EN-DC	15.2.0
2019-03	RAN#83	R5-192622	0170	1	F	Updates of MU in TS 38.521-3 Annex F during RAN5#82	15.2.0
2019-03	RAN#83	R5-192623	0171	1	F	Updates of TT in TS 38.521-3 Annex F during RAN5#82	15.2.0
2019-03	RAN#83	R5-192626	0214	1	F	Update of TC 7.4B.2	15.2.0
2019-03	RAN#83	R5-192681	0235	1	F	Addition of TC6.2B.1.4 - Max Output Power for EN-DC Interband including FR2	15.2.0
2019-03	RAN#83	R5-192689	0218	1	F	Update of 6.2B.4.1.1 Configured output power Intra-band contiguous EN-DC	15.2.0
2019-03	RAN#83	R5-192690	0219	1	F	Update of EN-DC 6.2B.4.1.2 Configured transmitted power Intra-band non-contiguous	15.2.0
2019-03	RAN#83	R5-192844	0213	2	F	Update of TC 7.4B.1	15.2.0
2019-03	RAN#83	R5-192847	0212	1	F	Addition of 7.4B.0	15.2.0
2019-03	RAN#83	R5-192863	0172	1	F	Introduction of TxIM (inter-band EN-DC within FR1)	15.2.0
2019-03	RAN#83	-	-	-	-	Editorial correction of references to TS 38.508-1 clause 4.6 tables	15.2.0
2019-06	RAN#84	R5-193539	0294	-	F	Adding missing reference in 38.521-3	15.3.0
2019-06	RAN#84	R5-193546	0295	-	F	Updates to 6.2B.2.3, UE Maximum Output power reduction for inter-band EN-DC within FR1	15.3.0
2019-06	RAN#84	R5-193547	0296	-	F	Adding test case 6.2B.2.5, UE Maximum Output power reduction for inter-band EN-DC including both FR1 and FR2	15.3.0
2019-06	RAN#84	R5-193548	0297	-	F	Update of test case 6.2B.2.1, UE Maximum Output Power reduction for Intra-Band Contiguous EN-DC	15.3.0
2019-06	RAN#84	R5-193714	0309	-	F	Update of Clause 5.5B Configuration for DC	15.3.0
2019-06	RAN#84	R5-193719	0311	-	F	Update of TC 7.5B.2 ACS for intra-band non-contiguous 2CC	15.3.0
2019-06	RAN#84	R5-193720	0312	-	F	Update of TC 7.5B.3 ACS for inter-band FR1 2CC	15.3.0
2019-06	RAN#84	R5-193722	0314	-	F	Update of TC 7.5B.4.1 ACS for inter-band FR2 2CC	15.3.0
2019-06	RAN#84	R5-193724	0316	-	F	Introduction of TC 7.5B.4.3 ACS for inter-band FR2 4CC	15.3.0
2019-06	RAN#84	R5-193725	0317	-	F	Introduction of TC 7.5B.4.4 ACS for inter-band FR2 5CC	15.3.0
2019-06	RAN#84	R5-193726	0318	-	F	Introduction of TC 7.5B.4.5 ACS for inter-band FR2 6CC	15.3.0
2019-06	RAN#84	R5-193727	0319	-	F	Introduction of TC 7.5B.5 inter-band FR1 FR2 3CC	15.3.0
2019-06	RAN#84	R5-193886	0320	-	F	Introduction of NSA FR2 7.6B.2.4.1	15.3.0
2019-06	RAN#84	R5-193888	0322	-	F	Update of NSA FR1 7.6B.2.0	15.3.0
2019-06	RAN#84	R5-193896	0324	-	F	Update of NSA FR1 7.6B.2.2	15.3.0
2019-06	RAN#84	R5-193899	0326	-	F	Update of NSA FR1 7.6B.3.1	15.3.0
2019-06	RAN#84	R5-193900	0327	-	F	Update of NSA FR1 7.6B.3.2	15.3.0
2019-06	RAN#84	R5-193901	0328	-	F	Update of NSA FR1 7.6B.4.0	15.3.0
2019-06	RAN#84	R5-193902	0329	-	F	Update of NSA FR1 7.6B.4.1	15.3.0
2019-06	RAN#84	R5-193903	0330	-	F	Update of NSA FR1 7.6B.4.2	15.3.0
2019-06	RAN#84	R5-193904	0331	-	F	Update of NSA FR1 7.7B.0	15.3.0
2019-06	RAN#84	R5-193905	0332	-	F	Update of NSA FR1 7.7B.1	15.3.0
2019-06	RAN#84	R5-193906	0333	-	F	Update of NSA FR1 7.7B.2	15.3.0
2019-06	RAN#84	R5-193947	0343	-	F	Removing invalid test IDs from test case 6.5B.2.1.3	15.3.0
2019-06	RAN#84	R5-194016	0344	-	F	38.521-3 Annex re-alignment	15.3.0
2019-06	RAN#84	R5-194128	0347	-	F	Addition SEM intraband non-contiguous EN-DC in TS 38.521-3	15.3.0
2019-06	RAN#84	R5-194129	0348	-	F	Addition ACLR intraband non-contiguous EN-DC in TS 38.521-3	15.3.0
2019-06	RAN#84	R5-194164	0351	-	F	Update of test case 6.2B.3.1 UE A-MPR for Intra-band contiguous EN-DC	15.3.0
2019-06	RAN#84	R5-194166	0353	-	F	Update of test case 6.2B.3.3 UE A-MPR for Inter-Band EN-DC within FR1	15.3.0
2019-06	RAN#84	R5-194317	0359	-	F	Text Update for 7.3B.2.3 Reference sensitivity for Inter-band EN-DC within FR1	15.3.0
2019-06	RAN#84	R5-194318	0360	-	F	Text Update for 7.3B.2.1 Ref sensitivity for Intra-band Contiguous EN-DC	15.3.0
2019-06	RAN#84	R5-194319	0361	-	F	Text Update for 6.5B.4 Additional Spurious Emissions for EN-DC	15.3.0
2019-06	RAN#84	R5-194320	0362	-	F	Text Update for 7.3B.3	15.3.0
2019-06	RAN#84	R5-194374	0366	-	F	Text Update for 6.5B.3.3.2 Spurious emission band UE co-existence for Inter-band EN-DC within FR1	15.3.0
2019-06	RAN#84	R5-194375	0367	-	F	Text Update for 7.3B.2.2 Ref sensitivity for Intra-band Non-Contiguous EN-DC	15.3.0
2019-06	RAN#84	R5-194376	0368	-	F	Text Update for 7.3B.2.0 Min Requirements of Ref sensitivity for EN-DC	15.3.0
2019-06	RAN#84	R5-194400	0372	-	F	Update to Carrier Leakage and In-band Emissions for intra-band contiguous EN-DC	15.3.0
2019-06	RAN#84	R5-194463	0378	-	F	Update to 6.2.3 A-MPR FR2 NSA	15.3.0
2019-06	RAN#84	R5-194484	0380	-	F	Update EN-DC Transmit modulation quality test cases	15.3.0
2019-06	RAN#84	R5-194621	0381	-	F	Update of transmit modulation quality test cases for inter-band EN-DC including FR2	15.3.0

2019-06	RAN#84	R5-194706	0382	-	F	TS 38.521-3 clause 5 updates to align with core specification	15.3.0
2019-06	RAN#84	R5-194707	0383	-	F	TS 38.521-3 updates across clause 6 test cases	15.3.0
2019-06	RAN#84	R5-194708	0384	-	F	TS 38.521-3 updates across clause 7 test cases	15.3.0
2019-06	RAN#84	R5-194725	0388	-	F	Update to clarify number of LTE CCs config for anchor agnostic EN-DC RF tests	15.3.0
2019-06	RAN#84	R5-194934	0334	1	F	Update of NSA FR1 RF 6.2B.1.1 MOP	15.3.0
2019-06	RAN#84	R5-194935	0335	1	F	Update of NSA FR1 RF 6.2B.1.2 MOP	15.3.0
2019-06	RAN#84	R5-194936	0337	1	F	Update of NSA FR1 RF 7.4B.1	15.3.0
2019-06	RAN#84	R5-194937	0338	1	F	Update of NSA FR1 RF 7.4B.2	15.3.0
2019-06	RAN#84	R5-194938	0298	1	F	Adding test case 6.5A.2.2, Additional Spectrum emissions mask for CA without EN-DC	15.3.0
2019-06	RAN#84	R5-194941	0350	1	F	Introduction of New test case 6.4B.2.3.4 EVM Equalizer Flatness for inter-band EN-DC within FR1	15.3.0
2019-06	RAN#84	R5-194942	0373	1	F	Update of test case 6.2A.2.1, UE maximum output power reduction for inter-band NR CA between FR1 and FR2 without EN-DC	15.3.0
2019-06	RAN#84	R5-194943	0374	1	F	Update of 6.2B.3.1 A-MPR Intra-band contiguous for NS_35	15.3.0
2019-06	RAN#84	R5-194944	0375	1	F	Update of 6.2B.3.2 A-MPR for Intra-band non-contiguous with additional test frequencies	15.3.0
2019-06	RAN#84	R5-194945	0376	1	F	Correction of editorial note in 6.5B.2.1.2	15.3.0
2019-06	RAN#84	R5-194946	0377	1	F	Update to 6.2.3 A-MPR FR1 and FR2	15.3.0
2019-06	RAN#84	R5-194947	0389	1	F	Updates to E-UTRA, FR1,FR2 IW tests in line with agreed way forward	15.3.0
2019-06	RAN#84	R5-194948	0369	1	F	Addition of msg content in TC 6.3B.4.1	15.3.0
2019-06	RAN#84	R5-194949	0370	1	F	Addition of msg content in TC 6.3B.4.2	15.3.0
2019-06	RAN#84	R5-194950	0371	1	F	Addition of msg content in TC 6.3B.4.3	15.3.0
2019-06	RAN#84	R5-194951	0310	1	F	Update of TC 7.5B.0 ACS for EN-DC	15.3.0
2019-06	RAN#84	R5-194952	0321	1	F	Introduction of NSA FR2 7.6B.2.5	15.3.0
2019-06	RAN#84	R5-194953	0323	1	F	Update of NSA FR1 7.6B.2.1	15.3.0
2019-06	RAN#84	R5-194954	0363	1	F	Updated to EN-DC band and TIB information	15.3.0
2019-06	RAN#84	R5-194955	0385	1	F	TS 38.521-3 clause 5 updates to align with core specification	15.3.0
2019-06	RAN#84	R5-194975	0315	1	F	Introduction of TC 7.5B.4.2 ACS for inter-band FR2 3CC	15.3.0
2019-06	RAN#84	R5-195046	0356	1	F	Update to Wideband Intermodulation for EN-DC in FR1- 2CCs	15.3.0
2019-06	RAN#84	R5-195047	0379	1	F	Update to 6.2.3 A-MPR FR1 and FR2 NSA	15.3.0
2019-06	RAN#84	R5-195049	0357	1	F	Correction to 6.5B.3.3.2 Spurious emission band UE co-existence for Inter-band within FR1	15.3.0
2019-06	RAN#84	R5-195050	0358	1	F	Introducing Wideband Intermodulation for EN-DC including FR1 - 3 CCs	15.3.0
2019-06	RAN#84	R5-195051	0391	-	F	Update of 6.5B.3.3.2 spurious co-existence inter-band EN-DC FR1	15.3.0
2019-06	RAN#84	R5-195091	0392	1	F	Update of EN-DC ON_ON time mask test cases	15.3.0
2019-06	RAN#84	R5-195162	0349	1	F	Introduction of New test case 6.4B.2.2.4 EVM Equalizer Flatness for intra-band non-contiguous EN-DC	15.3.0
2019-06	RAN#84	R5-195163	0364	1	F	Clean up FR2 Inter-band EN-DC test cases	15.3.0
2019-06	RAN#84	R5-195164	0390	1	F	Update to UE Maximum Output Power for Inter-Band EN-DC within FR1	15.3.0
2019-06	RAN#84	R5-195165	0325	1	F	Update of NSA FR1 7.6B.3.0	15.3.0
2019-06	RAN#84	R5-195411	0386	1	F	TS 38.521-3 updates across clause 6 test cases	15.3.0
2019-06	RAN#84	R5-195412	0387	1	F	TS 38.521-3 updates across clause 7 test cases	15.3.0
2019-06	RAN#84	R5-195419	0393	1	F	EN-DC implementation of FR2 UL demod OTA tests using single pol Rx TE	15.3.0
2019-06	RAN#84	R5-195436	0336	1	F	Update of NSA FR1 RF 6.2B.1.3 MOP	15.3.0
2019-06	RAN#84	R5-195437	0299	1	F	Updates of MU and TT in TS 38.521-3	15.3.0
2019-06	RAN#84	R5-195446	0394	1	F	Introduction of Tx test cases for FR2 NSA UL CA	15.3.0
2019-06	RAN#84	R5-193922	0340	-	F	Update of 6.2B.1.3 MOP inter-band adding Rel-16 EN-DC configurations	16.0.0
2019-06	RAN#84	R5-193923	0341	-	F	Update of 7.3B.2.3 REFSENS inter-band adding Rel-16 EN-DC configurations	16.0.0
2019-06	RAN#84	R5-194059	0345	-	F	Update of general sections adding Rel-16 EN-DC configurations, Editorial	16.0.0
2019-06	RAN#84	R5-195054	0342	1	F	Update of 6.5B.3.3.2 spurious co-existence inter-band adding Rel-16 EN-DC configurations	16.0.0
2019-09	RAN#85	R5-197441	0397	1	F	Correction of test case numbering for UL CA	16.1.0
2019-09	RAN#85	R5-197346	0398	1	F	Update of UE A_MPR intra band contiguous EN DC test case in 6.2B.3.1	16.1.0
2019-09	RAN#85	R5-197347	0399	1	F	Update of UE A_MPR intra band non contiguous EN DC test case in 6.2B.3.2	16.1.0
2019-09	RAN#85	R5-197348	0401	1	F	Addition of test case 6.5B.2.1.2 Additional Spectrum emissions mask for intra band contiguous EN DC	16.1.0
2019-09	RAN#85	R5-197349	0402	1	F	Addition of test case 6.5B.2.2.2 Additional Spectrum emissions mask for intra band non contiguous EN DC	16.1.0
2019-09	RAN#85	R5-197350	0403	1	F	Addition of test case 6.5B.2.3.2 Additional Spectrum emissions mask for Inter band EN DC within FR1	16.1.0
2019-09	RAN#85	R5-197561	0404	1	F	Refsens test case updates	16.1.0

2019-09	RAN#85	R5-197351	0405	1	F	Spurious test case updates	16.1.0
2019-09	RAN#85	R5-197331	0406	1	F	Correction to ACLR inter-band EN-DC FR1 test case	16.1.0
2019-09	RAN#85	R5-196160	0407	-	F	Clean up test cases 6.4B.2.2 Transmit Modulation Quality	16.1.0
2019-09	RAN#85	R5-196161	0408	-	F	Update to Annex F for Tx modulation quality test cases	16.1.0
2019-09	RAN#85	R5-196200	0409	-	F	Correction of uplink power setting for NSA transmitter test cases	16.1.0
2019-09	RAN#85	R5-197516	0410	1	F	Correction of uplink power setting for NSA receiver test cases	16.1.0
2019-09	RAN#85	R5-196241	0411	-	F	Correction to FR1 Transmit OFF Power	16.1.0
2019-09	RAN#85	R5-197646	0412	1	F	Correction to NR power control in FR1 Out-of-band blocking	16.1.0
2019-09	RAN#85	R5-197352	0414	1	F	Correction to FR1 PRACH time mask for EN-DC	16.1.0
2019-09	RAN#85	R5-197353	0415	1	F	Correction of NR uplink RB allocation for FR1 Inter-Band EN-DC MOP	16.1.0
2019-09	RAN#85	R5-196290	0416	-	F	Add Annex F.4 Uplink Power window explanation for interworking test cases	16.1.0
2019-09	RAN#85	R5-196296	0417	-	F	Addition of Clause 7.5A in TS 38.521-3	16.1.0
2019-09	RAN#85	R5-197549	0418	1	F	Update of 6.2B.1.1 MOP for Intra-band contiguous EN-DC	16.1.0
2019-09	RAN#85	R5-197550	0419	1	F	Update of 6.2B.1.2 MOP for Intra-band non-contiguous EN-DC	16.1.0
2019-09	RAN#85	R5-196446	0421	-	F	Editorial update of general sections adding Rel-16 EN-DC configurations	16.1.0
2019-09	RAN#85	R5-196449	0422	-	F	Correction to description of Table 4.5.1-2	16.1.0
2019-09	RAN#85	R5-197354	0423	1	F	Update for 6.5B.3.1.2 Spurious emission band UE co-existence for intra-band contiguous EN-DC	16.1.0
2019-09	RAN#85	R5-197553	0424	1	F	Update for 6.5B.3.3.2 Spurious emission band UE co-existence for Inter-band within FR1	16.1.0
2019-09	RAN#85	R5-197333	0425	1	F	Update for 7.3B.2.0 Minimum Conformance Requirements of Reference sensitivity for EN-DC	16.1.0
2019-09	RAN#85	R5-197636	0426	2	F	Update for 7.3B.2.3 Ref sensitivity for Inter-band EN-DC within FR1	16.1.0
2019-09	RAN#85	R5-197359	0427	1	F	Update for 7.3B.2.1 Reference sensitivity for Intra-band Contiguous EN-DC	16.1.0
2019-09	RAN#85	R5-197334	0428	1	F	Update for 7.3B.3.2	16.1.0
2019-09	RAN#85	R5-197335	0429	1	F	Update for 7.3B.3	16.1.0
2019-09	RAN#85	R5-197337	0430	1	F	Update for 7.3B.3.3	16.1.0
2019-09	RAN#85	R5-197338	0431	1	F	Updated to EN-DC band information	16.1.0
2019-09	RAN#85	R5-197336	0433	1	F	Update of TCs in 7.6B and 7.7B	16.1.0
2019-09	RAN#85	R5-197554	0434	1	F	Updates to 6.2B.2.1, UE Maximum Output Power reduction for Intra-Band Contiguous EN-DC	16.1.0
2019-09	RAN#85	R5-197555	0435	1	F	Update of TC 6.3B.1.1 Minimum Output Power for intra-band contiguous EN-DC	16.1.0
2019-09	RAN#85	R5-197556	0436	1	F	Update of TC 6.3B.1.2 Minimum output power for intra-band non-contiguous EN-DC	16.1.0
2019-09	RAN#85	R5-197340	0437	1	F	Update of TC 6.3B.2.1 Transmit OFF Power for intra-band contiguous EN-DC	16.1.0
2019-09	RAN#85	R5-197341	0438	1	F	Update of TC 6.3B.2.2 Transmit OFF Power for intra-band non-contiguous EN-DC	16.1.0
2019-09	RAN#85	R5-197342	0440	1	F	Update of TC 6.4B.1.1 Frequency error for Intra-band contiguous EN-DC	16.1.0
2019-09	RAN#85	R5-197557	0441	1	F	Update of TC 6.4B.1.2 Frequency error for Intra-band non-contiguous EN-DC	16.1.0
2019-09	RAN#85	R5-197343	0442	1	F	Update of TC 6.4B.1.3 Frequency error for Inter-band EN-DC within FR1	16.1.0
2019-09	RAN#85	R5-197647	0443	1	F	Correction to 7.8B.2.6 Wideband Intermodulation for EN-DC including FR1 - 3 CCs	16.1.0
2019-09	RAN#85	R5-197562	0448	1	F	Corrections to Reference sensitivity for EN-DC	16.1.0
2019-09	RAN#85	R5-196842	0449	-	F	Editorial corrections to Additional Spurious Emission test case	16.1.0
2019-09	RAN#85	R5-197360	0450	1	F	Correction to test case 7.4B.3	16.1.0
2019-09	RAN#85	R5-197558	0452	1	F	Correction to EN-DC Spurious Emissions	16.1.0
2019-09	RAN#85	R5-197345	0456	1	F	Update OBW EN-DC FR2 test case	16.1.0
2019-09	RAN#85	R5-197339	0457	1	F	TS 38.521-3 Section 5 updates to align with core specification (Covered by CR0431R1)	16.1.0
2019-09	RAN#85	R5-197542	0458	1	F	TS 38.521-3 updates across section 6 test cases	16.1.0
2019-09	RAN#85	R5-197563	0459	1	F	TS 38.521-3 updates across section 7 test cases	16.1.0
2019-09	RAN#85	R5-197559	0460	1	F	Updates to 6.2B.2.4, UE Maximum Output Power reduction for Inter-Band EN-DC including FR2	16.1.0
2019-09	RAN#85	R5-196946	0461	-	F	Corrections on UE maximum output power for DC in 38.521-3	16.1.0
2019-09	RAN#85	R5-197332	0462	1	F	Corrections on Minimum conformance requirements of A-MPR in 38.521-3	16.1.0
2019-09	RAN#85	R5-196948	0463	-	F	Corrections on clause 5 in 38.521-3	16.1.0
2019-09	RAN#85	R5-196949	0464	-	F	Corrections on clause 2-4 in 38.521-3	16.1.0
2019-09	RAN#85	R5-197633	0465	-	F	Removing test points for CP-OFDM PI/2 BPSK in test case 6.5B.2.1.1	16.1.0
2019-12	RAN#86	R5-197940	0472	-	F	Addition of 6.2B.1.5 MOP for Inter-Band EN-DC including FR1 and FR2	16.2.0

2019-12	RAN#86	R5-197944	0475	-	F	Update of 6.2B.4.1.4 configured transmitted power for Inter-Band EN-DC including FR2	16.2.0
2019-12	RAN#86	R5-197945	0476	-	F	Update of 6.2B.4.1.5 configured transmitted power for Inter-Band EN-DC including FR1 and FR2	16.2.0
2019-12	RAN#86	R5-197946	0477	-	F	Addition of 7.4A Maximum Input Level for FR1-FR2 CA	16.2.0
2019-12	RAN#86	R5-197949	0480	-	F	Addition of 7.4B.5 Maximum Input Level for inter-band EN-DC including FR1 and FR2	16.2.0
2019-12	RAN#86	R5-198045	0485	-	F	Update of TC 7.5B.0 ACS for EN-DC	16.2.0
2019-12	RAN#86	R5-198046	0486	-	F	Update of TC 7.5B.1 ACS for intra-band contiguous EN-DC 2CCs	16.2.0
2019-12	RAN#86	R5-198172	0488	-	F	Updating incorrect note in test procedure	16.2.0
2019-12	RAN#86	R5-198280	0490	-	F	Introduction of New TC 6.4B.2.1.4 EVM Equalizer Flatness for intra-band contiguous EN-DC	16.2.0
2019-12	RAN#86	R5-198403	0501	-	F	Correction to TC 6.4B.1.3 test description	16.2.0
2019-12	RAN#86	R5-198404	0502	-	F	Correction to Additional Spurious Emissions for Inter-band EN-DC within FR1	16.2.0
2019-12	RAN#86	R5-198406	0504	-	F	Correction to Spurious emission band UE co-existence for Inter-band within FR1	16.2.0
2019-12	RAN#86	R5-198537	0509	-	F	Updates to 6.2B.3.1, UE A-MPR for Intra-band Contig EN-DC	16.2.0
2019-12	RAN#86	R5-198538	0510	-	F	Updates to 6.2B.3.2, UE A-MPR for Intra-band Non-Contig EN-DC	16.2.0
2019-12	RAN#86	R5-198539	0511	-	F	Updates to 6.5B.2.1.2, Additional spectrum emission mask for intra-band Contig EN-DC	16.2.0
2019-12	RAN#86	R5-198559	0512	-	F	Updated to EN-DC band information Rel-16	16.2.0
2019-12	RAN#86	R5-198637	0513	-	F	Updated to EN-DC General clause and band information Rel-15	16.2.0
2019-12	RAN#86	R5-198685	0515	-	F	Update single allowed info and MPR test description to EN-DC configuration in 38.521-3	16.2.0
2019-12	RAN#86	R5-198686	0516	-	F	Corrections on delta TIB for EN-DC configurations in 38.521-3	16.2.0
2019-12	RAN#86	R5-198722	0519	-	F	Update for 7.3B.1 General	16.2.0
2019-12	RAN#86	R5-198734	0523	-	F	Update for 6.5B.3.3.1 General spurious emissions for Inter-band EN-DC within FR1	16.2.0
2019-12	RAN#86	R5-198735	0524	-	F	Update for 6.5B.3.3.2 Spurious emission band UE co-existence for Inter-band within FR1	16.2.0
2019-12	RAN#86	R5-199088	0466	1	F	Updates of MU and TT in TS 38.521-3	16.2.0
2019-12	RAN#86	R5-199342	0483	1	F	Updates to test case 6.2B.2.1, UE Maximum Output Power reduction for Intra-Band Contiguous EN-DC	16.2.0
2019-12	RAN#86	R5-199343	0487	1	F	Editorial correction of test description in TC 6.4B.2.3.3	16.2.0
2019-12	RAN#86	R5-199344	0478	1	F	Addition of 7.4B.3 Maximum Input Level for inter-band EN-DC within FR1	16.2.0
2019-12	RAN#86	R5-199345	0491	1	F	Update of minimum conformance requirements of 7.6B.3 and editorial correction in 7.6B and 7.7B	16.2.0
2019-12	RAN#86	R5-199346	0492	1	F	Addition of 7.6A Blocking Characteristics for CA	16.2.0
2019-12	RAN#86	R5-199347	0493	1	F	Addition of 7.6B.2.3_1 Inband blocking for EN-DC within FR1 (>2 CCs)	16.2.0
2019-12	RAN#86	R5-199348	0495	1	F	Addition of 7.6B.4.3_1 Narrow band blocking for EN-DC within FR1 (>2 CCs)	16.2.0
2019-12	RAN#86	R5-199349	0468	1	F	Add Uplink Power window explanation when centred on a target	16.2.0



2019-12	RAN#86	R5-199350	0489	1	F	Correction and addition of uplink power measurement MUs for NSA FR1 TCs	16.2.0
2019-12	RAN#86	R5-199351	0508	1	F	Addition of MU and TT for NSA 7.6B.2.3_1, 7.6B.2.4, 7.6B.2.4_1 and 7.6B.4.3_1 TCs in F.1.3 and F.3.3	16.2.0
2019-12	RAN#86	R5-199352	0529	1	F	TS 38.521-3 Section 1-5 and Annex updates to align with core specification	16.2.0
2019-12	RAN#86	R5-199377	0471	1	F	Update of 6.2B.1.4 MOP for Inter-Band EN-DC including FR2	16.2.0
2019-12	RAN#86	R5-199378	0479	1	F	Addition of 7.4B.4 Maximum Input Level for inter-band EN-DC including FR2	16.2.0
2019-12	RAN#86	R5-199413	0482	1	F	Addition of 2A-7A-7A-66A_n66A	16.2.0
2019-12	RAN#86	R5-199498	0500	1	F	Correction to minimum output power for intra-band EN-DC	16.2.0
2019-12	RAN#86	R5-199506	0496	1	F	Removal of 7.7A Spurious Response for CA	16.2.0
2019-12	RAN#86	R5-199508	0484	1	F	Updates to test case 6.2B.2.2, UE Maximum Output Power reduction for Intra-Band Non-Contiguous EN-DC	16.2.0
2019-12	RAN#86	R5-199514	0469	1	F	Update of 6.2B.1.1 MOP for Intra-Band contiguous EN-DC	16.2.0
2019-12	RAN#86	R5-199518	0467	1	F	Updates of test procedure for MOP and co-existence tests	16.2.0
2019-12	RAN#86	R5-199519	0517	1	F	Update for 6.5B.3.1.1 General spurious emissions for intra-band contiguous EN-DC	16.2.0
2019-12	RAN#86	R5-199520	0518	1	F	Update for 6.5B.3.2.1 General spurious emissions for Intra-band non-contiguous EN-DC	16.2.0
2019-12	RAN#86	R5-199521	0527	1	F	Update for Additional Spurious Emissions for Intra-band contiguous EN-DC	16.2.0
2019-12	RAN#86	R5-199522	0530	1	F	TS 38.521-3 updates across section 6 test cases	16.2.0
2019-12	RAN#86	R5-199523	0526	1	F	Update for 7.3B.2.0 Minimum Conformance Requirements of Reference sensitivity for EN-DC	16.2.0
2019-12	RAN#86	R5-199524	0531	1	F	TS 38.521-3 updates across section 7 test cases	16.2.0
2019-12	RAN#86	R5-199543	0520	1	F	Correction of E-UTRA Mid channel bandwidth	16.2.0
2019-12	RAN#86	R5-199546	0498	1	F	Corrections to DC Config and dual UL interferer	16.2.0
2019-12	RAN#86	R5-199547	0499	1	F	Corrections to EN-DC and NE-DC Configurations	16.2.0
2019-12	RAN#86	R5-199566	0494	1	F	Addition of 7.6B.2.4_1 Inband blocking for inter-band EN-DC including FR2 (>2 CCs)	16.2.0
2019-12	RAN#86	R5-199567	0522	1	F	Update to test case 7.3B.2.3	16.2.0
2019-12	RAN#86	R5-199568	0525	1	F	Update for 7.3B.2.3 Reference sensitivity for Inter-band EN-DC within FR1	16.2.0
2019-12	RAN#86	R5-199569	0528	1	F	Update 4.5 Applicability and test coverage rules	16.2.0
2020-03	RAN#87	R5-200351	0538	-	F	Updated to EN-DC band information Rel-16	16.3.0
2020-03	RAN#87	R5-200446	0549	-	F	Correction to FR1 EN-DC Spurious Test Case	16.3.0
2020-03	RAN#87	R5-200448	0551	-	F	Correction to LTE specialSubframePatterns in Maximum Output Power Test Case	16.3.0
2020-03	RAN#87	R5-200449	0552	-	F	Correction to tdm-PatternConfig in FR1 EN-DC Maximum Output Power Test Case	16.3.0
2020-03	RAN#87	R5-200599	0553	-	F	Update of 6.2B.1.3 on inter-band EN-DC MOP in 38.521-3	16.3.0
2020-03	RAN#87	R5-200651	0558	-	F	Updates to 6.2B.2.1, UE Maximum Output Power reduction for Intra-Band Contiguous EN-DC	16.3.0

2020-03	RAN#87	R5-200653	0559	-	F	Updates to 6.2B.2.2, UE Maximum Output Power reduction for Intra-Band Non-Contiguous EN-DC	16.3.0
2020-03	RAN#87	R5-200657	0560	-	F	Updates to 6.2B.2.3 and 6.2B.3.3	16.3.0
2020-03	RAN#87	R5-200668	0561	-	F	Correction of reference clause for 7.3B.2.3 Reference Sensitivity Test Procedure	16.3.0
2020-03	RAN#87	R5-200670	0563	-	F	Update reference in Test Requirement section of 6.5B.4.3.5	16.3.0
2020-03	RAN#87	R5-200728	0568	-	F	Correction of test cases in 7.6B.2 Inband blocking for DC	16.3.0
2020-03	RAN#87	R5-200730	0569	-	F	Correction to reference table number for TC 6.2B.2.3 and TC 6.2B.2.4	16.3.0
2020-03	RAN#87	R5-200731	0570	-	F	Correction of test cases in 7.6B.3 Out-of-band blocking for DC	16.3.0
2020-03	RAN#87	R5-200732	0571	-	F	Correction of test cases in 7.6B.4 Narrow band blocking for DC	16.3.0
2020-03	RAN#87	R5-200733	0572	-	F	Correction of test cases in 7.7B Spurious response for DC	16.3.0
2020-03	RAN#87	R5-200776	0576	-	F	TS 38.521-3 Section 1-5 and Annex updates to align with core specification	16.3.0
2020-03	RAN#87	R5-200801	0577	-	F	Update of Non-Standalone FR2 A-MPR test case	16.3.0
2020-03	RAN#87	R5-200814	0579	-	F	Correction to Test Case 6.5B.3.3.2	16.3.0
2020-03	RAN#87	R5-200913	0534	1	F	Update of Clause 4 in TS 38.521-3	16.3.0
2020-03	RAN#87	R5-200925	0541	1	F	Adding common uplink configuration of E-UTRA carrier for EN-DC testing	16.3.0
2020-03	RAN#87	R5-200926	0543	1	F	Updating configured output power for inter-band EN-DC	16.3.0
2020-03	RAN#87	R5-200927	0545	1	F	Updating configured output power for intra-band contiguous EN-DC	16.3.0
2020-03	RAN#87	R5-200928	0547	1	F	Updating configured output power for intra-band non-contiguous EN-DC	16.3.0
2020-03	RAN#87	R5-200929	0567	1	F	Core spec alignment of EN-DC MOP and configured output power	16.3.0
2020-03	RAN#87	R5-200963	0536	1	F	Update of TC 7.5B.2 ACS for intra-band non-contiguous EN-DC 2CCs	16.3.0
2020-03	RAN#87	R5-200964	0535	1	F	Update of TC 7.5B.1 ACS for intra-band contiguous EN-DC 2CCs	16.3.0
2020-03	RAN#87	R5-200982	0557	1	F	Updates to 6.5B.2.1.3, Adjacent channel leakage ratio for intra-band contiguous EN-DC	16.3.0
2020-03	RAN#87	R5-200983	0575	1	F	Corrections to 6.2B.3.1, UE A_MPR for Intra-band Contig EN_DC	16.3.0
2020-03	RAN#87	R5-200984	0533	1	F	Addition of Clause 7.5B.0.3a	16.3.0
2020-03	RAN#87	R5-200995	0578	1	F	Correction of Reference Sensitivity Test Case 7.3B.2.3	16.3.0
2020-03	RAN#87	R5-201019	0555	1	F	Update of general sections on EN-DC configurations in 38.521-3	16.3.0
2020-03	RAN#87	R5-201055	0542	1	F	Updating MOP for inter-band EN-DC	16.3.0
2020-03	RAN#87	R5-201066	0564	1	F	Add TX test for Rel16_DC_2_n41 and 66_n41	16.3.0
2020-03	RAN#87	R5-201067	0565	1	F	Add RX test for Rel16_DC_2_n41 and 66_n41	16.3.0
2020-03	RAN#87	R5-201165	0574	1	F	Correction of REFSSENS for inter-band EN-DC	16.3.0
2020-03	RAN#87	R5-201187	0548	1	F	Addition of a few R16 EN-DC configurations	16.3.0
2020-03	RAN#87	R5-201193	0532	1	F	Updates of MU and TT in TS 38.521-3	16.3.0
2020-03	RAN#87	R5-201198	0556	1	F	Correcting usage of modifiedMPR-Behaviour	16.3.0
2020-06	RAN#88	R5-201721	0587	-	F	Update Annex F.4 Uplink Power window explanation	16.4.0

2020-06	RAN#88	R5-201855	0594	-	F	Update of 6.2B.1.3 MOP for inter-band EN-DC	16.4.0
2020-06	RAN#88	R5-201859	0596	-	F	Updating A-SE to align test points with A-MPR	16.4.0
2020-06	RAN#88	R5-201870	0598	-	F	Update of test configuration in 6.5B.3.3.2 for UE co-existence	16.4.0
2020-06	RAN#88	R5-201942	0605	-	F	Updated to EN-DC Rel-16 band information in clause 5	16.4.0
2020-06	RAN#88	R5-202032	0611	-	F	Correction of Initial condition for OOB intra-band contiguous EN-DC 2 CCs in FR1 in TC 7.6B.3.1 R15	16.4.0
2020-06	RAN#88	R5-202293	0626	-	F	Correction to 7.3B.2.3 test configuration for EN-DC 26_n79	16.4.0
2020-06	RAN#88	R5-202294	0627	-	F	Correction to Frequency error for Intra-band contiguous EN-DC	16.4.0
2020-06	RAN#88	R5-202295	0628	-	F	Correction to PRACH configuration for intra-band EN-DC tests	16.4.0
2020-06	RAN#88	R5-202393	0630	-	F	Addition of Intra-band non-contiguous EN-DC combination	16.4.0
2020-06	RAN#88	R5-202421	0633	-	F	Update Uplink power control window size for NSA TX TCs	16.4.0
2020-06	RAN#88	R5-202429	0637	-	F	Update for 7.3A.3 for CA without EN-DC	16.4.0
2020-06	RAN#88	R5-202475	0638	-	F	TS 38.521-3 Section 1-5 and Annex updates to align with core specification	16.4.0
2020-06	RAN#88	R5-202725	0585	1	F	Correction on the channel bandwidth to use in section 6.5B.3.3	16.4.0
2020-06	RAN#88	R5-202726	0586	1	F	Setting p-MaxEUTRA to avoid limiting NR power in section 6.5B	16.4.0
2020-06	RAN#88	R5-202727	0590	1	F	Correction to TC 6.2B.4.1.3	16.4.0
2020-06	RAN#88	R5-202728	0595	1	F	Updating 6.2B.4.x configured output power test cases for FR1 EN-DC	16.4.0
2020-06	RAN#88	R5-202729	0614	1	F	correction 6.3B.1.3 to include anchor agnostic approach applies	16.4.0
2020-06	RAN#88	R5-202730	0616	1	F	Clarification of disabling Tx diversity for FR2 UE for NSA FR2 testing	16.4.0
2020-06	RAN#88	R5-202731	0618	1	F	Updation of 6.5B.3.3.1	16.4.0
2020-06	RAN#88	R5-202732	0639	1	F	Addition of UL-MIMO EN-DC tests in Clause 6	16.4.0
2020-06	RAN#88	R5-202733	0641	1	F	Common updates across tests in Clause 6	16.4.0
2020-06	RAN#88	R5-202734	0640	1	F	Addition of UL-MIMO EN-DC tests in Clause 7	16.4.0
2020-06	RAN#88	R5-202735	0642	1	F	Common updates across tests in Clause 7	16.4.0
2020-06	RAN#88	R5-202782	0635	1	F	Update Rx TC for 5 Rel_16_DC_combos	16.4.0
2020-06	RAN#88	R5-202809	0632	1	F	Receiver characteristics testing update to 38.521-3	16.4.0
2020-06	RAN#88	R5-202829	0601	1	F	Addition of 6.2B.1.5D UE Maximum Output Power for Inter-Band EN-DC including both FR1 and FR2 for UL-MIMO	16.4.0
2020-06	RAN#88	R5-202830	0602	1	F	Addition of 6.2B.5.1.1 Configured Output Power Level for Inter-band NR-DC between FR1 and FR2	16.4.0
2020-06	RAN#88	R5-202901	0631	1	F	Power control for EN-DC	16.4.0
2020-06	RAN#88	R5-202902	0588	1	F	Updated structure for RefSens for EN-DC within FR1 more than 2CCs	16.4.0
2020-06	RAN#88	R5-202903	0597	1	F	Updating REFSSENS for 1A_n78A and 3A_n78A	16.4.0
2020-06	RAN#88	R5-202904	0613	1	F	Introduction of Rx test cases for EN-DC within FR1 3CCs	16.4.0
2020-06	RAN#88	R5-202905	0629	1	F	Update to NSA FR2 Receiver Spurious Emission Test Case	16.4.0
2020-06	RAN#88	R5-202906	0636	1	F	Add 7.3B.2.3_1.2 Reference sensitivity for EN-DC within FR1v - 4 CCs	16.4.0
2020-06	RAN#88	R5-202907	0624	1	F	Updates of FR2 MU and TT in TS 38.521-3	16.4.0

2020-06	RAN#88	R5-202925	0634	1	F	Update Tx TC for 5 Rel_16_DC_combos	16.4.0
2020-06	RAN#88	R5-202934	0604	1	F	Addition of TDD-TDD PC2 inter-band EN-DC	16.4.0
2020-06	RAN#88	R5-202945	0592	1	F	Updating 6.2B.1.1 MOP for intra-band contiguous EN-DC	16.4.0
2020-06	RAN#88	R5-202946	0593	1	F	Updating 6.2B.1.2 MOP for intra-band non-contiguous EN-DC	16.4.0
2020-06	RAN#88	R5-202947	0606	1	F	Updates to 6.2B.2.1, UE Maximum Output Power reduction for Intra-Band Contiguous EN-DC	16.4.0
2020-06	RAN#88	R5-202948	0607	1	F	Updates to 6.5B.2.1.1, Spectrum emissions mask for intra-band contiguous EN-DC	16.4.0
2020-06	RAN#88	R5-202949	0608	1	F	Updates to 6.5B.2.1.3, Adjacent channel leakage ratio for intra-band contiguous EN-DC	16.4.0
2020-06	RAN#88	R5-202959	0620	1	F	Updates of Tx test cases for EN-DC including FR2	16.4.0
2020-06	RAN#88	R5-202964	0622	1	F	Update to configured output power relaxation due to inter-band EN-DC in 38.521-3	16.4.0
2020-06	RAN#88	R5-202965	0623	1	F	Update to REFSENS relaxation due to inter-band EN-DC in 38.521-3	16.4.0
2020-06	RAN#88	R5-202991	0609	1	F	Completion of TC 7.6B.3.3 OOB Inter-band EN-DC 2CCs within FR1 R15	16.4.0
2020-06	RAN#88	R5-202992	0610	1	F	Completion of TC 7.7B.3 Spurious Response Inter-band EN-DC 2CCs within FR1 R15	16.4.0
2020-06	RAN#88	R5-202993	0612	1	F	Alignment of requirements in 7.6B and 7.7B with core spec for Intra-band contiguous EN-DC in FR1 R15	16.4.0
2020-09	RAN#89	R5-203227	0644	-	F	Adding receiver requirements for Rel-16 inter-band EN-DC FR1 band combinations	16.5.0
2020-09	RAN#89	R5-203294	0645	-	F	Correction of MU definition for test case 6.5B.2.1.3	16.5.0
2020-09	RAN#89	R5-203295	0646	-	F	definition of MU and TT for test case 6.3B.4.3	16.5.0
2020-09	RAN#89	R5-203296	0647	-	F	definition of MU and TT for test case 6.5B.4.3	16.5.0
2020-09	RAN#89	R5-203297	0648	-	F	Definition of MU and TT for test case 7.3B.2.4	16.5.0
2020-09	RAN#89	R5-203492	0650	-	F	In-band Blocking FR2 MU updates in 38.521-3	16.5.0
2020-09	RAN#89	R5-203515	0651	-	F	Editorial correction of test case 6.5B.3.3.1	16.5.0
2020-09	RAN#89	R5-203637	0655	-	F	Introduction of additional Rel-16 EN-DC inter-band configurations to EN-DC MOP test case 6.2B.1.3	16.5.0
2020-09	RAN#89	R5-203753	0660	-	F	Update test procedure to 6.5B.3.3.1	16.5.0
2020-09	RAN#89	R5-203763	0661	-	F	Editorial correction of referenced clause (6.2.3) in test case 6.2B.2.1.2	16.5.0
2020-09	RAN#89	R5-203872	0668	-	F	Adding RRCCOnnectionReconfiguration Table for E-UTRA on FDD band and UE does not support dynamic power sharing in 6.5B.3.3.1 and 6.5B.3.3.2	16.5.0
2020-09	RAN#89	R5-203907	0669	-	F	Corrections on delta RIB due to Rel-16 EN-DC configurations	16.5.0
2020-09	RAN#89	R5-203941	0674	-	F	Addition of the test description to apply LTE agnostic approach in 7.4B.2 MIL	16.5.0
2020-09	RAN#89	R5-203960	0680	-	F	Correction to additional test points for spurious emission UE co-existence for a few Rel-15 inter-band EN-DC	16.5.0
2020-09	RAN#89	R5-203973	0684	-	F	Cleaning up of delta_TIB	16.5.0
2020-09	RAN#89	R5-204154	0693	-	F	Updated to Annex M for EN-DC Rel-16 configuration requirement	16.5.0

2020-09	RAN#89	R5-204170	0697	-	F	Update for TC 7.5B.0 Minimum Conformance Requirements of ACS for DC	16.5.0
2020-09	RAN#89	R5-204176	0703	-	F	Update for TC 7.5B.4 ACS for inter-band EN-DC including FR2 2CCs	16.5.0
2020-09	RAN#89	R5-204177	0704	-	F	Update for TC 7.5B.4_1.1 ACS for inter-band EN-DC including FR2 3CCs	16.5.0
2020-09	RAN#89	R5-204178	0705	-	F	Update for TC 7.5B.4_1.2 ACS for inter-band EN-DC including FR2 4CCs	16.5.0
2020-09	RAN#89	R5-204179	0706	-	F	Update for TC 7.5B.4_1.3 ACS for inter-band EN-DC including FR2 5CCs	16.5.0
2020-09	RAN#89	R5-204180	0707	-	F	Update for TC 7.5B.4_1.4 ACS for inter-band EN-DC including FR2 6CCs	16.5.0
2020-09	RAN#89	R5-204198	0713	-	F	Update for 7.3B.2.0	16.5.0
2020-09	RAN#89	R5-204199	0714	-	F	Update for Spurious Emissions for intra-band EN-DC	16.5.0
2020-09	RAN#89	R5-204209	0717	-	F	Update Uplink power control window size for NSA RX TCs	16.5.0
2020-09	RAN#89	R5-204210	0718	-	F	Update Tx TC for Rel-16 DC combos	16.5.0
2020-09	RAN#89	R5-204250	0721	-	F	FR2 Minimum output power measurement period definition	16.5.0
2020-09	RAN#89	R5-204296	0726	-	F	Addition of test case 6.4B.2.4.1D	16.5.0
2020-09	RAN#89	R5-204297	0727	-	F	Addition of test case 6.4B.2.4.2D	16.5.0
2020-09	RAN#89	R5-204298	0728	-	F	Addition of test case 6.4B.2.4.3D	16.5.0
2020-09	RAN#89	R5-204299	0729	-	F	Addition of test case 6.4B.2.4.4D	16.5.0
2020-09	RAN#89	R5-204310	0730	-	F	Update of test case 6.2B.3.1 UE Additional Maximum Output Power reduction for Intra-band contiguous EN-DC	16.5.0
2020-09	RAN#89	R5-204313	0733	-	F	TS 38.521-3 Section 1-5 and Annex updates to align with core specification	16.5.0
2020-09	RAN#89	R5-204322	0736	-	F	Update for TC 7.5B.5 ACS for inter-band EN-DC including both FR1 and FR2	16.5.0
2020-09	RAN#89	R5-204349	0738	-	F	Editorial correction of Rx spurious emissions for FR1 EN-DC	16.5.0
2020-09	RAN#89	R5-204705	0739	-	F	Addition of test configuration for 71AA in 6.2B.1.1 MOP	16.5.0
2020-09	RAN#89	R5-204707	0740	-	F	Addition of MOP testing for DC_28A_n3A in 6.2B.1.3	16.5.0
2020-09	RAN#89	R5-204719	0715	1	F	Update for 7.3B.2.3_1.3 Reference sensitivity for EN-DC within FR1 5CCs	16.5.0
2020-09	RAN#89	R5-204724	0662	1	F	Updated to clause 6 for EN-DC Rel-16 band requirement	16.5.0
2020-09	RAN#89	R5-204766	0665	1	F	Spurious inter-band EN-DC FR2 UL MIMO test cases	16.5.0
2020-09	RAN#89	R5-204767	0673	1	F	Addition of test requirement of dropped NR carrier for non-DPS UE in 6.2B.4.x	16.5.0
2020-09	RAN#89	R5-204768	0678	1	F	Addition of additional test points for spurious emission UE co-existence for a few Rel-15 inter-band EN-DC	16.5.0
2020-09	RAN#89	R5-204769	0723	1	F	Editorial correction to EN-DC co-existence requirements	16.5.0
2020-09	RAN#89	R5-204770	0664	1	F	FR2 RefSens inter-band EN-DC UL MIMO test cases	16.5.0
2020-09	RAN#89	R5-204771	0670	1	F	Update of 7.3B.3.3 for REFSSENS relaxation due to inter-band EN-DC within FR1	16.5.0
2020-09	RAN#89	R5-204772	0676	1	F	Addition of new test case 7.4B.5D MIL for inter-band EN-DC including FR1 and FR2 for UL-MIMO	16.5.0

2020-09	RAN#89	R5-204773	0709	1	F	Addition of TC 7.5B.5D ACS for inter-band EN-DC including FR1 and FR2 for UL-MIMO	16.5.0
2020-09	RAN#89	R5-204809	0643	1	F	Adding transmitter requirements for Rel-16 inter-band EN-DC FR1 band combinations	16.5.0
2020-09	RAN#89	R5-204810	0654	1	F	Editorial correction to spurious emission test case 6.5B.3.3.2	16.5.0
2020-09	RAN#89	R5-204811	0656	1	F	Introduction of dTIBc for additional Rel-16 EN-DC inter-band configurations	16.5.0
2020-09	RAN#89	R5-204812	0657	1	F	Introduction of Rel-16 EN-DC configuration DC_40A_n1A to spurious emission test case 6.5B.3.3.2	16.5.0
2020-09	RAN#89	R5-204813	0658	1	F	Introduction of Rel-16 EN-DC configuration DC_40A_n78A to spurious emission test case 6.5B.3.3.2	16.5.0
2020-09	RAN#89	R5-204814	0679	1	F	Addition of additional test points for spurious emission UE co-existence for a few Rel-16 inter-band EN-DC	16.5.0
2020-09	RAN#89	R5-204815	0694	1	F	Updated to clause 6 for EN-DC Rel-16 configuration test requirement	16.5.0
2020-09	RAN#89	R5-204816	0692	1	F	Updated to EN-DC Rel-16 Configuration information in clause 5	16.5.0
2020-09	RAN#89	R5-204840	0696	1	F	Updated to EN-DC general clauses for NRSL eV2X	16.5.0
2020-09	RAN#89	R5-204866	0689	1	F	CR to update MU and TT in 38.521-3	16.5.0
2020-09	RAN#89	R5-204867	0716	1	F	Update for 6.5B.3.3.2 Spurious emission band UE co-existence	16.5.0
2020-09	RAN#89	R5-204869	0649	1	F	Adjacent Channel Selectivity FR2 MU and TT updates in 38.521-3	16.5.0
2020-09	RAN#89	R5-204924	0666	1	F	Update of Test applicability for some Inter-Band EN-DC including FR2 TCs	16.5.0
2020-09	RAN#89	R5-204925	0687	1	F	Clean up complete status for EN-DC test cases	16.5.0
2020-09	RAN#89	R5-204926	0731	1	F	Addition of pending UL-MIMO tests (FR2) in Clause 6	16.5.0
2020-09	RAN#89	R5-204928	0681	1	F	Update of NSA Rx test cases for 4Rx UEs	16.5.0
2020-09	RAN#89	R5-204929	0700	1	F	Addition of TC 7.5B.3_1.2 ACS for EN-DC within FR1 4CC	16.5.0
2020-09	RAN#89	R5-204930	0711	1	F	Addition of TC 7.6B.2.5D Inband blocking for inter-band EN-DC including FR1 and FR2 for UL-MIMO	16.5.0
2020-09	RAN#89	R5-204931	0712	1	F	Update for 7.3B.2.3 Ref sense for Inter-band EN-DC within FR1-2 CCs	16.5.0
2020-09	RAN#89	R5-204932	0719	1	F	Re-organization of EN-DC refsens test cases	16.5.0
2020-09	RAN#89	R5-204957	0695	1	F	Updated to clause 7 for EN-DC Rel-16 configuration test requirement	16.5.0
2020-09	RAN#89	R5-204958	0737	1	F	Add Rx TC for 2Rel 16 DC combos	16.5.0
2020-09	RAN#89	R5-205005	0741	-	F	Update of OOB and Spurious Response of Inter-band EN-DC within FR1	16.5.0
2020-09	RAN#89	R5-205006	0690	1	F	Update Refsense exceptions for EN-DC including n78	16.5.0
2020-12	RAN#90	R5-205489	0749	-	F	Correction to Reference Sensitivity for Inter-band EN-DC	16.6.0
2020-12	RAN#90	R5-205500	0750	-	F	Minor correction of section 6.1	16.6.0
2020-12	RAN#90	R5-205501	0751	-	F	Correction of spec style in section 7.6B and 7.7B and correction of table number in 7.6B.3.3.4.1	16.6.0
2020-12	RAN#90	R5-205502	0752	-	F	Addition of intra-band contiguous EN-DC testing and update of inter-band EN-DC testing for 7.6B.2.3_1.1 Inband blocking for EN-DC within FR1 3 CCs	16.6.0

2020-12	RAN#90	R5-205503	0753	-	F	Addition of intra-band contiguous EN-DC testing and update of inter-band EN-DC testing for 7.6B.2.3_1.2 Inband blocking for EN-DC within FR1 4 CCs	16.6.0
2020-12	RAN#90	R5-205505	0755	-	F	Addition of new test case 7.6B.3.3_1.1 Out-of-band blocking for EN-DC within FR1 3 CCs	16.6.0
2020-12	RAN#90	R5-205506	0756	-	F	Addition of new test case 7.6B.3.3_1.2 Out-of-band blocking for EN-DC within FR1 4 CCs	16.6.0
2020-12	RAN#90	R5-205507	0757	-	F	Addition of intra-band contiguous EN-DC testing and update of inter-band EN-DC testing for 7.6B.4.3_1.1 Narrow band blocking for EN-DC within FR1 3 CCs	16.6.0
2020-12	RAN#90	R5-205508	0758	-	F	Addition of intra-band contiguous EN-DC testing and update of inter-band EN-DC testing for 7.6B.4.3_1.2 Narrow band blocking for EN-DC within FR1 4 CCs	16.6.0
2020-12	RAN#90	R5-205510	0760	-	F	Addition of new test case 7.7B.3_1.1 Spurious Response for EN-DC within FR1 3 CCs	16.6.0
2020-12	RAN#90	R5-205511	0761	-	F	Addition of new test case 7.7B.3_1.2 Spurious Response for EN-DC within FR1 4 CCs	16.6.0
2020-12	RAN#90	R5-205515	0763	-	F	Correction of section 7.1 and update of 7.6B.3.0.3A and 7.7B.0.3A as per RAN4 spec	16.6.0
2020-12	RAN#90	R5-205516	0764	-	F	Correction of uplink power and in gap test requirement for 7.6B.2.2, 7.6B.3.2, 7.6B.4.2 and 7.7B.2	16.6.0
2020-12	RAN#90	R5-205534	0768	-	F	Editorial, removing duplication of text in test case	16.6.0
2020-12	RAN#90	R5-205568	0776	-	F	Introduction of DC_3A-40A_n1A to reference sensitivity test	16.6.0
2020-12	RAN#90	R5-205678	0778	-	F	Addition of Clause 7.5B.4D ACS for inter-band EN-DC including FR2 for UL-MIMO	16.6.0
2020-12	RAN#90	R5-205679	0779	-	F	Addition of Clause 7.6B.2.4D Inband blocking for inter-band EN-DC including FR2 for UL-MIMO	16.6.0
2020-12	RAN#90	R5-205696	0782	-	F	Editorial correction to EN-DC test cases 6.5B.2.3	16.6.0
2020-12	RAN#90	R5-205775	0785	-	F	Adding delta TIB for a few Rel-16 inter-band EN-DC configurations within FR1	16.6.0
2020-12	RAN#90	R5-205776	0786	-	F	Adding refsens exceptions for DC_3_n78 due to receiver harmonic mixing	16.6.0
2020-12	RAN#90	R5-205778	0788	-	F	Adding delta RIB for DC_2-7-66_n78	16.6.0
2020-12	RAN#90	R5-205784	0790	-	F	Update of UE co-existence spurious emissions for Rel-16 inter-band EN-DC DC_13_n66	16.6.0
2020-12	RAN#90	R5-205788	0792	-	F	Correction to UE co-existence spurious emissions for inter-band EN-DC within FR1	16.6.0
2020-12	RAN#90	R5-205803	0793	-	F	Introduction of New TC 6.4B.2.4.2_1.1 Carrier Leakage for inter-band EN-DC including FR2 with 3 CCs	16.6.0
2020-12	RAN#90	R5-205804	0794	-	F	Introduction of New TC 6.4B.2.4.2_1.2 Carrier Leakage for inter-band EN-DC including FR2 with 4 CCs	16.6.0
2020-12	RAN#90	R5-205806	0795	-	F	Introduction of New TC 6.4B.2.4.2_1.3 Carrier Leakage for inter-band EN-DC including FR2 with 5 CCs	16.6.0
2020-12	RAN#90	R5-205855	0798	-	F	Correction of channel bandwidth for EN-DC MOP TC 6.2B.1.3	16.6.0
2020-12	RAN#90	R5-205911	0803	-	F	Introduction of DC_3A-20A_n78A to reference sensitivity test	16.6.0
2020-12	RAN#90	R5-205934	0805	-	F	Update of DC_1A-7A_n78A to reference sensitivity test	16.6.0
2020-12	RAN#90	R5-205935	0806	-	F	Update DC_7A-20A_n78A to reference sensitivity test	16.6.0
2020-12	RAN#90	R5-205994	0808	-	F	Updates to Reference sensitivity for EN-DC within FR1 3CC	16.6.0

2020-12	RAN#90	R5-206018	0811	-	F	Correction of 7.3B.3.3 for delta RIB with inter-band EN-DC configurations	16.6.0
2020-12	RAN#90	R5-206029	0813	-	F	Update spurious emission band UE co-existence for DC_2_n41 and DC_66_n41	16.6.0
2020-12	RAN#90	R5-206236	0832	-	F	Correction to Rel-16 EN-DC configuration DC_40A_n1A and DC_40A_n78 in spurious emission test case 6.5B.3.3.2	16.6.0
2020-12	RAN#90	R5-206237	0833	-	F	Introduction of Rel-16 EN-DC configuration DC_1A_n3A to spurious emission test case 6.5B.3.3.2	16.6.0
2020-12	RAN#90	R5-206238	0834	-	F	Introduction of Rel-16 EN-DC configuration DC_20A_n3A to spurious emission test case 6.5B.3.3.2	16.6.0
2020-12	RAN#90	R5-206255	0835	-	F	Update for 6.5B.3.2.2 Spurious emission band UE co-existence for intra-band non-contiguous EN-DC	16.6.0
2020-12	RAN#90	R5-206648	0766	1	F	Addition of TC6.3B.1.4D Minimum output power for inter-band EN-DC including FR2 for UL-MIMO	16.6.0
2020-12	RAN#90	R5-206649	0767	1	F	Addition of TC6.3B.3.4 Transmit ON/OFF time mask for inter-band EN-DC including FR2	16.6.0
2020-12	RAN#90	R5-206650	0777	1	F	Update on Transmit OFF power for EN-DC including FR2	16.6.0
2020-12	RAN#90	R5-206651	0789	1	F	Update of UE co-existence spurious emissions for a few Rel-15 inter-band EN-DC configurations	16.6.0
2020-12	RAN#90	R5-206652	0796	1	F	Addition of 6.5B.2.4D.3 Adjacent channel leakage ratio for inter-band EN-DC including FR2 for UL-MIMO	16.6.0
2020-12	RAN#90	R5-206653	0799	1	F	Update of 6.2B.1.4_1 MOP for Inter-Band EN-DC including FR2	16.6.0
2020-12	RAN#90	R5-206654	0821	1	F	Update for 6.5B.3.1.2 Spurious emission band UE co-existence for intra-band contiguous EN-DC	16.6.0
2020-12	RAN#90	R5-206655	0822	1	F	Update for 6.5B.3.3.2 Spurious emission band UE co-existence for Inter-band within FR1	16.6.0
2020-12	RAN#90	R5-206656	0780	1	F	Update for Clause F.1.3 Measurement of receiver	16.6.0
2020-12	RAN#90	R5-206657	0810	1	F	Correction of 7.3B.3.3 for allowed reference sensitivity relaxation	16.6.0
2020-12	RAN#90	R5-206658	0819	1	F	Update the interferer range for OOB and Spurious Response of Inter-band EN-DC within FR1	16.6.0
2020-12	RAN#90	R5-206659	0823	1	F	Update for 7.3B.2.0 Minimum Conformance Requirements of Reference sensitivity for EN-DC	16.6.0
2020-12	RAN#90	R5-206660	0826	1	F	Editor's notes updates for FR1 inter-band 3CC DL CA	16.6.0
2020-12	RAN#90	R5-206661	0762	1	F	Addition of measurement uncertainties and test tolerance for blocking test cases for EN-DC within FR1 with 3CCs, 4CCs and 5CCs and correction of some spec styles	16.6.0
2020-12	RAN#90	R5-206662	0817	1	F	6.4B.2.1.1 Error Vector Magnitude for intra-band contiguous EN DC Measurement Uncertainty update	16.6.0
2020-12	RAN#90	R5-206663	0818	1	F	6.4B.2.1.2 Carrier Leakage for intra-band contiguous EN-DC Measurement Uncertainty update	16.6.0
2020-12	RAN#90	R5-206664	0820	1	F	FR1 Intra-band CA General Tx ON OFF time mask measurement uncertainties and test tolerances corrections	16.6.0
2020-12	RAN#90	R5-206665	0836	1	F	TS 38.521-3 Section 1-5 and Annex updates to align with core specification	16.6.0
2020-12	RAN#90	R5-206720	0742	1	F	Introduction of New test case 6.3B.1.4_1.1 Minimum output power for inter-band EN-DC including FR2 - 3 CCs	16.6.0
2020-12	RAN#90	R5-206721	0743	1	F	Introduction of New test case 6.3B.1.4_1.2 Minimum output power for inter-band EN-DC including FR2 - 4 CCs	16.6.0



2020-12	RAN#90	R5-206722	0744	1	F	Introduction of New test case 6.3B.1.4_1.3 Minimum output power for inter-band EN-DC including FR2 - 5 CCs	16.6.0
2020-12	RAN#90	R5-206723	0745	1	F	Introduction of New test case 6.4B.2.4.1_1.1 Error Vector Magnitude for inter-band EN-DC including FR2 - 3 CCs	16.6.0
2020-12	RAN#90	R5-206724	0746	1	F	Introduction of New test case 6.4B.2.4.1_1.2 Error Vector Magnitude for inter-band EN-DC including FR2 - 4 CCs	16.6.0
2020-12	RAN#90	R5-206725	0747	1	F	Introduction of New test case 6.4B.2.4.1_1.3 Error Vector Magnitude for inter-band EN-DC including FR2 - 5 CCs	16.6.0
2020-12	RAN#90	R5-206727	0787	1	F	Adding refsens exceptions for DC_3_n1 due to cross band isolation	16.6.0
2020-12	RAN#90	R5-206728	0783	1	F	Update to EN-DC R16 Configuration information in clause 5	16.6.0
2020-12	RAN#90	R5-206772	0781	1	F	Addition of PC2 Tx requirements for DC_3A_n41A	16.6.0
2020-12	RAN#90	R5-206773	0801	1	F	Addition of PC2 Tx requirements for DC_3A_n78A	16.6.0
2020-12	RAN#90	R5-206784	0802	1	F	Updating Rel-16 EN-DC PC2 MOP to add UE power class capability for NR part	16.6.0
2020-12	RAN#90	R5-206827	0829	1	F	Minimum output power editor's notes	16.6.0
2020-12	RAN#90	R5-206828	0828	1	F	Update FR2 TRx MU and TT in 38.521-3	16.6.0
2020-12	RAN#90	R5-206869	0809	1	F	Updates to Reference sensitivity for EN-DC within FR1 4CC restructuring test configuration tables	16.6.0
2020-12	RAN#90	R5-206870	0825	1	F	Measurement uncertainties and test tolerances updates for FR1 inter-band 3CC DL CA	16.6.0
2020-12	RAN#90	R5-206883	0772	1	F	Introduction of DC_3A_n1A to reference sensitivity test	16.6.0
2020-12	RAN#90	R5-206884	0773	1	F	Introduction of DC_1A_n3A to reference sensitivity test	16.6.0
2020-12	RAN#90	R5-206885	0774	1	F	Introduction of DC_20A_n3A to reference sensitivity test	16.6.0
2020-12	RAN#90	R5-206886	0775	1	F	Introduction of DC_40A_n78A to reference sensitivity test	16.6.0
2020-12	RAN#90	R5-206902	0769	1	F	Moving test configurations table for EN-DC 20_n78 to a general test configuration table for 2CC reference sensitivity exceptions	16.6.0
2020-12	RAN#90	R5-206903	0770	1	F	Introduction of DC_1A_n78A to reference sensitivity test	16.6.0
2020-12	RAN#90	R5-206904	0771	1	F	Introduction of DC_3A_n78A to reference sensitivity test	16.6.0
2020-12	RAN#90	R5-206913	0754	1	F	Update of 7.6B.2.3_1.3 Inband blocking for EN-DC within FR1 5 CCs and removal of 7.6B.2.3_1.4 Inband blocking for EN-DC within FR1 6 CCs	16.6.0
2020-12	RAN#90	R5-206914	0759	1	F	Update of 7.6B.4.3_1.3 Narrow band blocking for EN-DC within FR1 5 CCs and removal of 7.6B.4.3_1.4 Narrow band blocking for EN-DC within FR1 6 CCs	16.6.0
2020-12	RAN#90	R5-206915	0807	1	F	Updates to Reference sensitivity for EN-DC within FR1 2CC for UE supporting single UL	16.6.0
2020-12	RAN#90	R5-206916	0827	1	F	Update for 7.3B.3.2	16.6.0
2020-12	RAN#90	R5-206918	0804	1	F	Addition of PC2 Rx requirements for DC_3A_n41A	16.6.0
2020-12	RAN#90	R5-206919	0814	1	F	Addition of PC2 ENDC DC_3A-n78A into TC7.3B.2.3	16.6.0
2021-03	RAN#91	R5-210093	0842	-	F	Introduction of DC_7A-20A_n3A to reference sensitivity test	16.7.0
2021-03	RAN#91	R5-210301	0847	-	F	Completion of OBW intra-band non-contiguous test 6.5B.1.2	16.7.0
2021-03	RAN#91	R5-210302	0848	-	B	Addition of new test case 6.5B.1.4D OBW for inter-band EN-DC FR2 UL MIMO	16.7.0
2021-03	RAN#91	R5-210387	0857	-	F	Correction to EN-DC OoB emissions	16.7.0

2021-03	RAN#91	R5-210415	0858	-	F	Addition of new test case 6.4B.2.4.3_1.1 In-band Emissions for inter-band EN-DC including FR2 with 3 CCs	16.7.0
2021-03	RAN#91	R5-210416	0859	-	F	Addition of new test case 6.4B.2.4.3_1.2 In-band Emissions for inter-band EN-DC including FR2 with 4 CCs	16.7.0
2021-03	RAN#91	R5-210417	0860	-	F	Addition of new test case 6.4B.2.4.3_1.3 In-band Emissions for inter-band EN-DC including FR2 with 5 CCs	16.7.0
2021-03	RAN#91	R5-210497	0861	-	F	Correction of test frequencies for NR band n28 30MHz test channel bandwidth of 6.2B.1.3	16.7.0
2021-03	RAN#91	R5-210498	0862	-	F	Addition of editor note to the incomplete test cases	16.7.0
2021-03	RAN#91	R5-210499	0863	-	F	Correction of test applicability of 6.5B.5.3	16.7.0
2021-03	RAN#91	R5-210500	0864	-	F	Correction of test configuration tables in section 6	16.7.0
2021-03	RAN#91	R5-210501	0865	-	F	Completion of 7.6B.2.3_1.3 Inband blocking for EN-DC within FR1 5 CCs	16.7.0
2021-03	RAN#91	R5-210502	0866	-	F	Correction of test frequencies for NR band n28 30MHz test channel bandwidth of 7.6B.3.3	16.7.0
2021-03	RAN#91	R5-210548	0872	-	F	Default message exceptions for LTE carriers in EN-DC	16.7.0
2021-03	RAN#91	R5-210725	0874	-	F	Omitting of NSA Rx cases with UL-MIMO on TDD bands	16.7.0
2021-03	RAN#91	R5-210909	0882	-	F	Editorial correction to test case 6.2B.4.1.3	16.7.0
2021-03	RAN#91	R5-210943	0883	-	F	Adding delta TIB and delta RIB for DC_2-7-7-66_n78	16.7.0
2021-03	RAN#91	R5-210989	0889	-	F	Update for 7.3B.2.0 Minimum Conformance Requirements of Reference sensitivity for EN-DC	16.7.0
2021-03	RAN#91	R5-211005	0893	-	F	Update to EN-DC R16 Configuration information in clause 5	16.7.0
2021-03	RAN#91	R5-211010	0895	-	F	Update of reference sensitivity for intra-band contiguous EN-DC	16.7.0
2021-03	RAN#91	R5-211014	0899	-	F	Adding in-gap tests to ACS for intra-band non-contiguous EN-DC	16.7.0
2021-03	RAN#91	R5-211017	0901	-	F	Update of test coverage for reference sensitivity for 3CC EN-DC	16.7.0
2021-03	RAN#91	R5-211020	0902	-	F	Adding EN-DC configurations DC_1A-28A_n3A and DC_7A-28A_n3A to clause 5.5B.4.2	16.7.0
2021-03	RAN#91	R5-211099	0917	-	F	Correction to editors note about number of E-UTRA carriers	16.7.0
2021-03	RAN#91	R5-211111	0921	-	F	Corrections to subclauses in 38.521-3 with appropriate subclause level and heading styles	16.7.0
2021-03	RAN#91	R5-211125	0922	-	F	Update of 5.3B for UE channel bandwidth for EN-DC	16.7.0
2021-03	RAN#91	R5-211240	0934	-	F	Introduction of DC_7A-20A_n1A to reference sensitivity test	16.7.0
2021-03	RAN#91	R5-211241	0935	-	F	Introduction of DC_7A- 28A_n3A to referce sensitivity test	16.7.0
2021-03	RAN#91	R5-211694	0844	1	F	Spectrum emissions mask for intra-band non-contiguous EN-DC Test Definition	16.7.0
2021-03	RAN#91	R5-211695	0849	1	F	ACLR for intra-band non-contiguous EN-DC Test Definition	16.7.0
2021-03	RAN#91	R5-211696	0856	1	F	Update Test description of 6.5B.1.1	16.7.0
2021-03	RAN#91	R5-211697	0871	1	F	EN-DC FR2 UL CA Frequency error test cases update	16.7.0
2021-03	RAN#91	R5-211698	0876	1	F	Correction of test requirements for EN-DC configured output power	16.7.0
2021-03	RAN#91	R5-211699	0906	1	F	Introduction of Rel-15 EN-DC configuration DC_8A_n77A to spurious emission test case 6.5B.3.3.2	16.7.0
2021-03	RAN#91	R5-211700	0907	1	F	Introduction of Rel-15 EN-DC configuration DC_11A_n77A to spurious emission test case 6.5B.3.3.2	16.7.0

2021-03	RAN#91	R5-211701	0908	1	F	Introduction of Rel-15 EN-DC configuration DC_11A_n78A to spurious emission test case 6.5B.3.3.2	16.7.0
2021-03	RAN#91	R5-211702	0909	1	F	Introduction of Rel-15 EN-DC configuration DC_11A_n79A to spurious emission test case 6.5B.3.3.2	16.7.0
2021-03	RAN#91	R5-211703	0910	1	F	Introduction of Rel-15 EN-DC configuration DC_25A_n41A to spurious emission test case 6.5B.3.3.2	16.7.0
2021-03	RAN#91	R5-211704	0911	1	F	Introduction of Rel-15 EN-DC configuration DC_26A_n41A to spurious emission test case 6.5B.3.3.2	16.7.0
2021-03	RAN#91	R5-211705	0912	1	F	Introduction of Rel-15 EN-DC configuration DC_26A_n77A to spurious emission test case 6.5B.3.3.2	16.7.0
2021-03	RAN#91	R5-211706	0913	1	F	Introduction of Rel-15 EN-DC configuration DC_26A_n78A to spurious emission test case 6.5B.3.3.2	16.7.0
2021-03	RAN#91	R5-211707	0914	1	F	Introduction of Rel-15 EN-DC configuration DC_26A_n79A to spurious emission test case 6.5B.3.3.2	16.7.0
2021-03	RAN#91	R5-211708	0915	1	F	Introduction of Rel-15 EN-DC configuration DC_41A_n77A to spurious emission test case 6.5B.3.3.2	16.7.0
2021-03	RAN#91	R5-211709	0916	1	F	Introduction of Rel-15 EN-DC configuration DC_41A_n78A to spurious emission test case 6.5B.3.3.2	16.7.0
2021-03	RAN#91	R5-211710	0853	1	F	Correction of MSD test point on Table 7.3B.2.0.3.5.2-1 DC_1A-8A_n78A	16.7.0
2021-03	RAN#91	R5-211711	0854	1	F	Update of 7.3B.2.3_1.1 RefSens DC_3A-8A_n78A	16.7.0
2021-03	RAN#91	R5-211712	0855	1	F	Addition of new test case 7.3B.4 for EIS Spherical Coverage	16.7.0
2021-03	RAN#91	R5-211713	0867	1	F	Editorial correction for errors in 7.6B.4.3_1	16.7.0
2021-03	RAN#91	R5-211714	0868	1	F	Correction of test configuration tables in section 7	16.7.0
2021-03	RAN#91	R5-211715	0877	1	F	Clarification of tested Rx antenna numbers on E-UTRA band	16.7.0
2021-03	RAN#91	R5-211766	0837	1	F	Introduction of Rel-16 EN-DC configuration DC_7A_n3A to spurious emission test case 6.5B.3.3.2	16.7.0
2021-03	RAN#91	R5-211767	0838	1	F	Introduction of Rel-16 EN-DC configuration DC_8A_n3A to spurious emission test case 6.5B.3.3.2	16.7.0
2021-03	RAN#91	R5-211768	0839	1	F	Introduction of Rel-16 EN-DC configuration DC_20A_n1A to spurious emission test case 6.5B.3.3.2	16.7.0
2021-03	RAN#91	R5-211769	0887	1	F	Update for 6.5B.3.3.2 Spurious emission band UE co-existence_Rel16	16.7.0
2021-03	RAN#91	R5-211770	0903	1	F	Adding Delta TIB,c for DC_1A-28A_n3A, DC_7A-20A_n1A and DC_7A-28A_n3A to clause 6.2B.4.2.3.3	16.7.0
2021-03	RAN#91	R5-211771	0840	1	F	Introduction of DC_7A_n3A to reference sensitivity test	16.7.0
2021-03	RAN#91	R5-211772	0841	1	F	Introduction of DC_8A_n1A and DC_8A_n3A to reference sensitivity test	16.7.0
2021-03	RAN#91	R5-211773	0869	1	F	Adding Inter-band EN-DC combination within FR1	16.7.0
2021-03	RAN#91	R5-211840	0878	1	F	Updating Rel-16 EN-DC PC2 MOP to include powerClassNRPart-r16	16.7.0
2021-03	RAN#91	R5-211841	0879	1	F	Updating Rel-16 EN-DC PC2 MPR to include powerClassNRPart-r16	16.7.0
2021-03	RAN#91	R5-211842	0880	1	F	Updating Rel-16 EN-DC PC2 A-MPR to include powerClassNRPart-r16	16.7.0
2021-03	RAN#91	R5-211843	0881	1	F	Updating Rel-16 EN-DC PC2 configured output power to include powerClassNRPart-r16	16.7.0
2021-03	RAN#91	R5-211852	0888	1	F	Update for 6.5B.3.3.2 Spurious emission band UE co-existence	16.7.0

2021-03	RAN#91	R5-211854	0890	1	F	Correction to EN-DC Wideband Intermodulation tests	16.7.0
2021-03	RAN#91	R5-211870	0843	1	F	Editorial addition of editors notes in 6.3B.8.1.4, 6.3B.8.2.4 and 6.3B.8.3.4	16.7.0
2021-03	RAN#91	R5-211871	0875	1	F	Correcting EN-DC A-MPR test requirements for non-overlapping test points	16.7.0
2021-03	RAN#91	R5-211872	0886	1	F	Correction to the TDM pattern configuration for EN-DC Tx test cases	16.7.0
2021-03	RAN#91	R5-211873	0918	1	F	Correction to MOP and MPR test procedures for PC2 in TC 6.2B.1.3 and 6.2B.2.1	16.7.0
2021-03	RAN#91	R5-211874	0845	1	F	Correction of LTE frequency for 19-n79 combo in 7.3B.2.3	16.7.0
2021-03	RAN#91	R5-211875	0870	1	F	Update to EN-DC Reference Sensitivity	16.7.0
2021-03	RAN#91	R5-211876	0896	1	F	Update of reference sensitivity for intra-band non-contiguous EN-DC	16.7.0
2021-03	RAN#91	R5-211877	0897	1	F	Update of reference sensitivity for inter-band 2CC EN-DC	16.7.0
2021-03	RAN#91	R5-211878	0898	1	F	Correction to refsens test requirements for DC_1A-7A_n78A	16.7.0
2021-03	RAN#91	R5-211879	0900	1	F	Update of test configuration for inter-band 2CC EN-DC configurations affected by reference sensitivity exceptions	16.7.0
2021-03	RAN#91	R5-211880	0924	1	F	Update of 2CC refsens test case 7.3B.2.3	16.7.0
2021-03	RAN#91	R5-211881	0925	1	F	Update of 3CC refsens test case 7.3B.2.3_1.1	16.7.0
2021-03	RAN#91	R5-211882	0926	1	F	Correction of configurations not to be tested in 4CC refsens test case 7.3B.2.3_1.2	16.7.0
2021-03	RAN#91	R5-211883	0927	1	F	Addition of DC_8A_n77A in test case 7.3B.2.3	16.7.0
2021-03	RAN#91	R5-211884	0928	1	F	Addition of DC_11A_n79A in test case 7.3B.2.3	16.7.0
2021-03	RAN#91	R5-211885	0929	1	F	Addition of DC_26A_n41A in test case 7.3B.2.3	16.7.0
2021-03	RAN#91	R5-211886	0930	1	F	Addition of DC_26A_n77A and DC_26A_n78A in test case 7.3B.2.3	16.7.0
2021-03	RAN#91	R5-211887	0931	1	F	Addition of DC_26A_n79A in test case 7.3B.2.3	16.7.0
2021-03	RAN#91	R5-211888	0932	1	F	Addition of DC_41A_n77A and DC_41A_n78A in test case 7.3B.2.3	16.7.0
2021-03	RAN#91	R5-211905	0933	1	F	Introduction of DC_1A-28A_n3A to reference sensitivity test	16.7.0
2021-03	RAN#91	R5-211926	0851	1	F	MU definition for UE MOP for Inter-Band EN-DC including FR2 (3CCs)	16.7.0
2021-03	RAN#91	R5-211927	0852	1	F	MU and TT definition for REFSENS EN-DC including FR2 up to 5CCs	16.7.0
2021-03	RAN#91	R5-211928	0920	1	F	Update FR2 MU and TT in 38.521-3	16.7.0
2021-06	RAN#92	R5-212170	0939	-	F	Removal of technical content in 38.521-3 v16.7.0 and substitution with pointer to the next Release	16.8.0

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# History

<b>Document history</b>		
V16.4.0	July 2020	Publication
V16.5.0	November 2020	Publication
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