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Technical Specification

3rd Generation Partnership Project;

Technical Specification Group Radio Access Network;

NR;

User Equipment (UE) conformance specification;

Radio transmission and reception;

Part 3: Range 1 and Range 2 Interworking operation

with other radios

(Release 16)



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Keywords

3GPP, New Radio

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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:

Version x.y.z

where:

x the first digit:

1 presented to TSG for information;

2 presented to TSG for approval;

3 or greater indicates TSG approved document under change control.

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

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

The present document is 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)".

# 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.

# 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 "

# 3 Definitions, symbols and abbreviations

Void

# 4 General

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

# 5 to 7 Void

Annex A to N: Void

Annex O (informative):  
Change history

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Change history | | | | | | | |
| Date | Meeting | TDoc | CR | Rev | 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 | [R5-182995](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TSGR5_79_Busan/Docs/R5-182995.zip) | - | - | - | Corrections annex for EIRP and TRP metric definition in TS 38.521-3 | 0.5.0 |
| 2018-07 | RAN5#79 | [R5-183707](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TSGR5_79_Busan/Docs/R5-183707.zip) | - | - | - | 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 | [R5-183708](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TSGR5_79_Busan/Docs/R5-183708.zip) | - | - | - | Updated clause 5.5B Configuration for DC to 38.521-3 | 0.5.0 |
| 2018-07 | RAN5#79 | [R5-183709](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TSGR5_79_Busan/Docs/R5-183709.zip) | - | - | - | TP to add Occupied BW EN-DC test case | 0.5.0 |
| 2018-07 | RAN5#79 | [R5-183710](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TSGR5_79_Busan/Docs/R5-183710.zip) | - | - | - | TP to add SEM EN-DC test case | 0.5.0 |
| 2018-07 | RAN5#79 | [R5-183711](http://www.3gpp.org/ftp/TSG_RAN/WG5_Test_ex-T1/TSGR5_79_Busan/Docs/R5-183711.zip) | - | - | - | TP to add ACLR EN-DC test case | 0.5.0 |
| 2018-09 | RAN5#80 | [R5-185563](file:///C:\AppData\Local\Users\mohana\AppData\Roaming\Microsoft\Excel\Tdoc\R5-185563.zip) | - | - | - | 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 | [R5-184579](file:///C:\AppData\Local\Users\mohana\AppData\Roaming\Microsoft\Excel\Tdoc\R5-184579.zip) | - | - | - | Updated EN-DC configuration information in clause 5 | 1.0.0 |
| 2018-09 | RAN5#80 | [R5-184580](file:///C:\AppData\Local\Users\mohana\AppData\Roaming\Microsoft\Excel\Tdoc\R5-184580.zip) | - | - | - | TIB value add for EN-DC band in 38.521-3 | 1.0.0 |
| 2018-09 | RAN5#80 | [R5-184671](file:///C:\AppData\Local\Users\mohana\AppData\Roaming\Microsoft\Excel\Tdoc\R5-184671.zip) | - | - | - | Update of References in clause 2 of 38.521-3 spec | 1.0.0 |
| 2018-09 | RAN5#80 | [R5-184672](file:///C:\AppData\Local\Users\mohana\AppData\Roaming\Microsoft\Excel\Tdoc\R5-184672.zip) | - | - | - | Updates to Operating Bands in clause 5.2 | 1.0.0 |
| 2018-09 | RAN5#80 | [R5-184737](file:///C:\AppData\Local\Users\mohana\AppData\Roaming\Microsoft\Excel\Tdoc\R5-184737.zip) | - | - | - | Dual uplink interferer updated to 38.521-3 | 1.0.0 |
| 2018-09 | RAN5#80 | [R5-184737](file:///C:\AppData\Local\Users\mohana\AppData\Roaming\Microsoft\Excel\Tdoc\R5-184737.zip) | - | - | - | Dual uplink interferer updated to 38.521-3 | 1.0.0 |
| 2018-09 | RAN5#80 | [R5-185332](file:///C:\AppData\Local\Users\mohana\AppData\Roaming\Microsoft\Excel\Tdoc\R5-185332.zip) | - | - | - | Addition of 6.2B.4.1.1 Configured OP for Intra-Band Contiguous EN-DC | 1.0.0 |
| 2018-09 | RAN5#80 | [R5-185333](file:///C:\AppData\Local\Users\mohana\AppData\Roaming\Microsoft\Excel\Tdoc\R5-185333.zip) | - | - | - | Addition of 6.2B.4.1.2 Configured OP for Intra-Band Non-Contiguous EN-DC | 1.0.0 |
| 2018-09 | RAN5#80 | [R5-185507](file:///C:\AppData\Local\Users\mohana\AppData\Roaming\Microsoft\Excel\Tdoc\R5-185507.zip) | - | - | - | 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 | [R5-185556](file:///C:\AppData\Local\Users\mohana\AppData\Roaming\Microsoft\Excel\Tdoc\R5-185556.zip) | - | - | - | FR2\_UE\_BeamlockInvoke\_38.521-3 | 1.0.0 |
| 2018-09 | RAN5#80 | [R5-185472](file:///C:\AppData\Local\Users\mohana\AppData\Roaming\Microsoft\Excel\Tdoc\R5-185472.zip) | - | - | - | Update of TC 6.2B.1.1 | 1.0.0 |
| 2018-09 | RAN5#80 | [R5-185473](file:///C:\AppData\Local\Users\mohana\AppData\Roaming\Microsoft\Excel\Tdoc\R5-185473.zip) | - | - | - | Introduction of TC 6.2B.1.2 | 1.0.0 |
| 2018-09 | RAN5#80 | [R5-185474](file:///C:\AppData\Local\Users\mohana\AppData\Roaming\Microsoft\Excel\Tdoc\R5-185474.zip) | - | - | - | 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 | [R5-185479](file:///C:\AppData\Local\Users\mohana\AppData\Roaming\Microsoft\Excel\Tdoc\R5-185479.zip) | - | - | - | Update Occupied Bandwidth for interband EN-DC within FR1 | 1.0.0 |
| 2018-09 | RAN5#80 | [R5-185480](file:///C:\AppData\Local\Users\mohana\AppData\Roaming\Microsoft\Excel\Tdoc\R5-185480.zip) | - | - | - | Update SEM interband EN-DC within FR1 | 1.0.0 |
| 2018-09 | RAN5#80 | [R5-185481](file:///C:\AppData\Local\Users\mohana\AppData\Roaming\Microsoft\Excel\Tdoc\R5-185481.zip) | - | - | - | 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 | [R5-185422](file:///C:\AppData\Local\Users\mohana\AppData\Roaming\Microsoft\Excel\Tdoc\R5-185422.zip) | - | - | - | Alignment of Annex numbering with core spec | 1.0.0 |
| 2018-09 | RAN5#80 | [R5-184897](file:///C:\AppData\Local\Users\mohana\AppData\Roaming\Microsoft\Excel\Tdoc\R5-184897.zip) | - | - | - | 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 | [R5-185351](file:///C:\AppData\Local\Users\mohana\AppData\Roaming\Microsoft\Excel\Tdoc\R5-185351.zip) | - | - | - | 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 |
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| 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 REFSENS 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 OOBB 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 REFSENS 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 OOBB 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 REFSENS 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 OOBB 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 OOBB 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 re-structuring 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 |