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Technical Specification

3rd Generation Partnership Project;

Technical Specification Group Radio Access Network;

Evolved Universal Terrestrial Radio Access (E-UTRA);

User Equipment (UE) conformance specification;

Radio transmission and reception;

Part 1: Conformance Testing

(Release 16)



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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.

# Introduction

The present document is part 1 of a multi-parts TS:

3GPP TS 36.521-1: Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) conformance specification Radio transmission and reception; Part 1: Conformance Testing.

3GPP TS 36.521-2 [11]: Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) conformance specification Radio transmission and reception; Part 2: Implementation Conformance Statement (ICS).

3GPP TS 36.521-3 [12]: Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) conformance specification Radio transmission and reception; Part 3: Radio Resource Management (RRM) conformance testing.

# 1 Scope

The present document specifies the measurement procedures for the conformance test of the user equipment (UE) that contain transmitting characteristics, receiving characteristics and performance requirements as part of the 3G Long Term Evolution (3G LTE). Conformance test for the support of RRM (Radio Resource Management) are specified in TS 36.521-3 [12].

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 8 and later UE declared to support LTE 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.

1. References are either specific (identified by date of publication, edition number, version number, etc.) or non‑specific.
2. For a specific reference, subsequent revisions do not apply.
3. For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document in the same Release as the present document unless the context in which the reference is made suggests a different Release is relevant (information on the applicable release in a particular context can be found in e.g. test case title, description or applicability, message description or content).
4. [1] to [22] (void)

[23] 3GPP TS 36.521-1 Release 17: "Evolved Universal Terrestrial Radio Access (E-UTRA); User Equipment (UE) conformance specification; Radio transmission and reception; Part 1: Conformance Testing"

# 3 Definitions, symbols and abbreviations

## 3.1 Definitions

Void

# 4 General

The requirements of the present document are provided in 3GPP TS 36.521-1 Release 17 [23].

# 5 to 14 Void

Annex A to K: Void

Annex L (informative):  
Change history

| Change history | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Date | TSG # | TSG Doc. | CR | Rev | Subject/Comment | Old | New |
| 2007-08 | RAN5 #36 | R5-072185 |  |  | Skeleton proposed for RAN5#36Athens |  | 0.0.1 |
| 2007-08 | RAN5 #36 | R5-072419 |  |  | Update the skeleton base on R4-071234\_TR36.803.0.4.0.doc | 0.0.1 | 0.0.2 |
| 2007-08 | RAN5 #36 | R5-072424 |  |  | Update with editorial changes | 0.0.2 | 0.0.3 |
| 2007-11 | RAN5 #37 | R5-073043 |  |  | Update document with some info as following:  Section 5: Frequency band information  Section 6.2: Maximum output power  Section 6.5: Output RF spectrum emissions  Section 6.5.1: Occupied bandwidth  Section 6.5.2: Out of band emission  Section 6.5.3: Spurious emissions | 0.0.3 | 0.0.4 |
| 2007-11 | RAN5 #37 | R5-073360 |  |  | Editorial change to split MOP and UE Power classes | 0.0.4 | 0.0.5 |
| 2008-03 | RAN5 #38 | R5-080069 |  |  | Editorial changes to sync up with 36.101 v1.0.0 as much as feasible for the moment:  Update definitions, symbols and abbreviations  Update frequency bands, channel bandwidth, channel numbers information.  Restructure document to move “frequency error” sub-section inside Transmit signal quality.  Add “additional spectrum Emission Mask” sub-test (mask A,B,C) section to address the regulatory requirements that are not met with the general mask (OOB and spurious emission).  Add “Additional ACLR requirements” to address additional requirements that the network might indicate to the UE via signalling for a specific deployment scenario (in terms of additional requirements for UTRA/ACLR2  Restructure “Spurious Emission” to indicate we need to have 3 test cases to address: “E-UTRA Spurious Emission” requirements , “Spurious Emission band UE co-existence” requirements, and “Additional spurious emissions” requirements  Separate wide band and narrow band intermodulation in the intermodulation characteristics | 0.0.5 | 0.0.6 |
| 2008-03 | RAN5 #38 | R5-080408 |  |  | LTE Reference Sensitivity test Text proposal |  | 0.0.7 |
| 2008-03 | RAN5 #38 | R5-080409 |  |  | LTE Maximum Rx input level test Text proposal |  | 0.0.7 |
| 2008-03 | RAN5 #38 | R5-080410 |  |  | LTE Adjacent Channel Selectivity test Text proposal |  | 0.0.7 |
| 2008-03 | RAN5 #38 | R5-080064 |  |  | LTE RF Receiver tests, General section Text proposal |  | 0.0.7 |
| 2008-03 | RAN5 #38 | R5-080412 |  |  | LTE RF: transmission modulation initial EVM test proposal |  | 0.0.7 |
| 2008-03 | RAN5 Workshop-UE LTE Test  (9-11 April) | R5w0800027 |  |  | Modify styles and formats of tables and others according to drafting rules.  Add some definitions and abbreviations  Modified section 6.2 structure to be aligned with 36.101 v8.1.0  Modify tables of requirements to remove 1.6 MHz and 3.2MHz channel bandwidth according to new requirements 36.101 v8.1.0 |  | 0.0.9 |
| 2008-03 | RAN5 Workshop-UE LTE Test  (9-11 April) | R5w0800028 |  |  | Following TPs have been included:  R5w080013r1  R5w080014r1  R5w080008r2  R5w080009r2  R5w080040r1  R5w080015r1  R5w080016r1  R5w080017r1  R5w080018r2 | 0.0.9 | 0.1.0 |
| 2008-05 | RAN5#39 | R5-081046 |  |  | 36-521-1 alignment of measurement state for test cases | 0.1.0 | 0.1.1 |
| 2008-05 | RAN5#39 | R5-081042 |  |  | Following approved TPs have been included:  R5-081040 36.521-1 after April LTE-RF workshop  R5-081415 36-521-1 alignment of measurement state for test cases – also the measurement state for each test cases has been updated according to R5-081404  R5-081416 Cover for LTE E-UTRAN RRC\_IDLE State Mobility text proposal  R5-081417 Cover for LTE E-UTRAN RRC\_CONNECTED State Mobility text proposal  R5-081404 LTE Rx Intermodulation test case text proposal  R5-081409 Annex structure for Measurement uncertainty & Test Tools  R5-081405 Text Proposal for TS 36.521-1 TC7.6 Blocking Characteristics  R5-081406 Text Proposal for TS 36.521-1 TC7.7 Spurious Response  R5-081403 Text Proposal for TS 36.521-1 TC7.9 Spurious Emissions  R5-081410 Uncertainties and Test Tools for subset of UE tests  R5-081331 Clarification of diversity characteristics section for multiple UE antennas  R5-081335 36-521-1 update of nominal and additional channel bandwidths | 0.1.1 | 0.2.0 |
| 2008-06 | RAN5 #39bis | R5-082029 |  |  | Following approved TPs have been included:  R5-082129: Restructure of TS 36.521-1 and RRM proposal (Split of RRM from 36.521-1 v0.2.0 in its own specification 36.521-3.)  R5-082166: Text Proposal for Annex C Downlink Physical Channels  R5-082130: Text Proposal for Chan bandwidths in TS 36.521-1  R5-082155: Text Proposal for LTE Tx Minimum Output Power  R5-082027: Text Proposal for Occupied bandwidth in TS 36.521-1  R5-082171: Text Proposal for LTE Adjacent Channel Leakage power Ratio  R5-082134: Text Proposal for LTE Tx Spurious Emissions  R5-082135: Text Proposal for LTE UE Maximum Output Power  R5-082136: Text Proposal for LTE Spectrum Emission Mask  R5-082138: UE Spurious Emissions Measurement  uncertainty & Test Tolerances  R5-082169: LTE Spectrum Emission Mask test uncertainties and TTs  R5-082151: LTE UE Max Power and ACLR tests uncertainties and TTs  R5-082152: Text proposal for LTE Transmit OFF Power  R5-082153: LTE UE Max Rx Input and ACS test cases update  R5-082082: LTE Rx Intermodulation test case uncertainties and TTs  R5-082093: Text Proposal for TS 36.521-1 TC7.6 Blocking Characteristics  R5-082154: Text Proposal for TS 36.521-1 TC7.7 Spurious Response  R5-082167: OBW Measurement uncertainty & Test Tolerances  R5-082158: Cover for LTE Performance Requirement text proposal  R5-082159: Text Proposal for LTE Demodulation of PCFICH/PDCCH and PHICH  R5-082156: Text proposal for LTE Tx Minimum Output Power Uncertainty  R5-082157: Text proposal for LTE Tx Minimum Output Power Tolerance  R5-082164: Statistical testing of receiver characteristics  R5-082170: Cover for LTE Propagation Conditions Text Proposal  Editorial changes to align tables and figures numbering with R5-082025 | 0.2.0 | 0.3.0 |
| 2008-08 | RAN5 #40 | R5-083163 |  |  | Following approved TPs have been included:  R5-083804: LTE Demodulation Performance text proposal  R5-083159: LTE-RF Occupied bandwidth test case / measurement uncertainty and TT text proposal  R5-083160: Transmission OFF power: TP, measurement uncertainty and test tolerances proposal  R5-083805: Frequency Error test case / measurement uncertainty and TT test proposal  R5-083162: Propagation conditions correction text proposal  R5-083220:Text Proposal for LTE Tx Minimum Output Power  R5-083806: TP of section 8 for E-UTRAN TDD in 36.521-1  R5-083344: Test Tolerance and System uncertainty for OBW test  R5-083848:Test Tolerance and System uncertainty for Reference sensitivity test  R5-083840: Test Tolerances for Spectrum Emission Mask  R5-083808: Reference Measurement Channel for LTE UE Receiver tests  R5-083350: Test Tolerance and System uncertainty for Blocking and Spurious response  R5-083366: Text Proposal for LTE Reporting of CQI/PMI  R5-083810: LTE PBCH Demodulation Performance Requirements  R5-083482: LTE-RF TP for Test Case 7.6 Blocking Characteristics  R5-083809: LTE-RF TP for Test Case 7.7 Spurious Response  R5-083484: LTE-RF TP for Test Case 7.9 Spurious Emissions  R5-083811: Annex E Global In-Channel TX-Test  R5-083163: TS 36.521-1 after RAN5#40 | 0.3.0 | 1.0.0 |
| 2008-10 | RAN5 #40Bis | R5-084072 |  |  | Following approved TPs have been included:  R5-084072 TS 36.521-1 after RAN5#40Bis  R5-084300 LTE-RF TP for Definitions Symbols and Abbreviations  R5-084304 LTE-RF-TP for general section  R5-084036 Test Tolerances for additional SEM  R5-084303 LTE-RF TP for Channel bandwidths and frequency range  R5-084305 LTE-RF TP for new Absolute Power Tolerance test case  R5-084067 LTE-RF TP for Transmission OFF test case  R5-084318 LTE-RF TP for Transmission Modulation test cases  R5-084069 LTE-RF Investigation of E-UTRA-TDD Frequency Error test case applicability  R5-084319 LTE-RF TP for Frequency Error test case  R5-084309 Text Proposal for LTE Tx Spurious Emissions  R5-084111 Text Proposal for LTE Adjacent Channel Leakage power Ratio  R5-084320 Text Proposal for LTE Additional Spectrum Emission Mask  R5-084310 Test Tolerances for additional spurious emission  R5-084311 Text Proposal for Occupied bandwidth  R5-084321 Text Proposal for LTE Spectrum Emission Mask  R5-084060 Modification to section 7.2 Diversity characteristics  R5-084312 References in 36.521-1 tests initial conditions  R5-084148 Update of Reference Measurement Channel for LTE UE Rx tests  R5-084167 LTE-RF TP for TC7.9 Spurious Emissions  R5-084075 LTE DL Reference Measurement Channel for PDSCH (FDD) text proposal  R5-084077 LTE Measurement of Performance Requirements text proposal  R5-084313 LTE Demodulation of PDSCH Test Requirements text proposal  R5-084147 Specification of DL propagation conditions for LTE UE tests  R5-084315 Text Proposal for LTE Demodulation of PCFICH/PDCCH  R5-084323 Text Proposal for Annex E Global In-Channel | 1.0.0 | 1.1.0 |
| 2008-12 | RAN#42 | RP-080863 |  |  | Approval of version 2.0.0 at RAN#42, then put to version 8.0.0. | 2.0.0 | 8.0.0 |
| 2008-01 |  |  |  |  | Editorial corrections. | 8.0.0 | 8.0.1 |
| 2009-03 | RAN#43 | R5-086011 | 0001 | - | TP for In-band emissions | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-086012 | 0002 | - | TP for Spectrum flatness | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-086013 | 0003 | - | TP for IQ-component | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-086064 | 0004 | - | LTE-RF: UE max output power | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-086093 | 0005 | - | Clarification of measurement period in minimum output power test procedure | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-086094 | 0006 | - | Clarification of measurement period in transmit OFF power test procedure | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-086120 | 0007 | - | Update of Max.input level test | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-086125 | 0008 | - | Addition of UL Reference Measurement Channels in Annex A2 | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-086160 | 0009 | - | correction for Maximum Power Reduction (MPR) | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-086167 | 0010 | - | LTE-RF: TDD applicability and CR for Blocking Characteristics and Spurious Response | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-086168 | 0011 | - | LTE-RF: TDD applicability and CR for Spurious Emissions | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-086239 | 0012 | - | Update of Symbols | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-086401 | 0013 | - | LTE-RF: TX-RX channel freq separation | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-086405 | 0014 | - | Update of 6.7 Transmit intermodulation test | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-086406 | 0015 | - | Update of initial conditions for Tx and Rx test cases | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-086408 | 0016 | - | Update of Adjacent Channel Leakage power Ratio | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-086409 | 0017 | - | Removal of [ ] from Clause 7 Receiver Characteristics | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-086413 | 0018 | - | Updates to Demodulation of PCFICH/PDCCH test case | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-086414 | 0019 | - | Text proposal for Reporting of Channel State Information | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-086415 | 0020 | - | Correction of RS\_EPRE powers for default DL signal levels | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-086416 | 0021 | - | Update of DL Reference Measurement Channels in Annex A3 | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-086417 | 0022 | - | Update to Annex E | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-086425 | 0023 | - | Update of General text in clause 6 | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-086426 | 0024 | - | Clarification of measurement bandwidth in spectrum emission mask test | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-086428 | 0025 | - | Demodulation of TDD PHICH test requirements text proposal | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-086429 | 0026 | - | Demodulation of TDD PCFICH/PDCCH test requirements text proposal | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-090306 | 0027 | - | New Annex H for Uplink Physical Channels | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-090308 | 0028 | - | Text proposal for Reporting of Channel State Information | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-090403 | 0029 | - | CR to 36.521-1: Update of Spurious Emissions test cases | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-090404 | 0030 | - | CR to 36.521-1: Update of ACLR test case | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-090443 | 0031 | - | LTE-RF: Correction to 36.521-1 Frequency error test case | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-090488 | 0032 | - | LTE TDD applicability for Transmit intermodulation test case | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-091002 | 0033 | - | LTE Demodulation of PDSCH Test Requirements text proposal | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-091004 | 0034 | - | LTE-RF: CR for UE max power test case | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-091007 | 0035 | - | LTE-RF: TDD Applicability and CR for Spectrum Emission Mask and Additional Spectrum Emission Mask | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-091008 | 0036 | - | LTE-RF Investigation of E-UTRA-TDD for Occupied bandwidth test case applicability | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-091009 | 0037 | - | LTE-RF: Investigation of E-UTRA-TDD for Adjacent Channel Leakage power Ratio test case applicability | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-091011 | 0038 | - | LTE-RF: TDD applicability and CR for Maximum Input Level | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-091012 | 0039 | - | LTE-RF: TDD applicability and CR for Adjacent Channel Selectivity (ACS) | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-091017 | 0040 | - | Removal of Rx Narrowband Intermod 7.8.2 | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-091019 | 0041 | - | Relocation of 36.521-1 Annex C DL mapping | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-091020 | 0042 | - | Removal of "Out-of-synchronization handling of output power" heading | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-091023 | 0043 | - | Test requirements of TDD PDSCH demodulation performance with user-specific reference symbols | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-091024 | 0044 | - | CR to 36.521-1: Update of Annex F.3.2 Measurement of transmitter | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-091025 | 0045 | - | CR to 36.521-1: Update of SEM and Additional SEM test cases | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-091077 | 0046 | - | CR to 36.521-1: Addition of test combinations for test cases with MPR application | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-091082 | 0047 | - | Spurious emission requirements on PHS band including the future plan in Japan | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-091101 | 0048 | - | LTE-RF: CR for MPR test case | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-091106 | 0049 | - | Update of Reference sensitivity test in 7.3 | 8.0.1 | 8.1.0 |
| 2009-03 | RAN#43 | R5-091111 | 0050 | 1 | Update of initial conditions for Rx tests | 8.0.1 | 8.1.0 |
| 2009-05 | RAN#44 | R5-092144 | 0051 | - | LTE-RF: Resubmission of R5-086424 UE output power dynamics 36.521-1 v8.1.0 (re-submit no changes) | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092146 | 0052 | - | LTE-RF: CR for UE configured UE transmitted output power test case (re-submit no changes) | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092147 | 0053 | - | LTE-RF: CR for UE minimum output power test case (re-submit no change) | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092149 | 0054 | - | LTE-RF: CR for Power Control Absolute power tolerance test case (re-submit no changes) | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092150 | 0055 | - | LTE-RF: CR for Power Control Relative power tolerance test case (re-submit no changes) | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092151 | 0056 | - | LTE-RF: New test case for Aggregate power control tolerance (re-submit no changes) | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092263 | 0057 | - | Text proposal for Reporting of Channel State Information | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092264 | 0058 | - | Propagation conditions for CQI tests | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092265 | 0059 | - | Correction to Demodulation of PDCCH/PCFICH test cases | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092273 | 0060 | - | Mapping of downlink physical channels for TDD | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092277 | 0061 | - | Annex A RMC updates | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092369 | 0062 | - | Update of A.3.4.3 for RMC with UE-specific RS | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092372 | 0063 | - | Maintenance on Initial configurations for Perf TCs | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092436 | 0064 | - | CR to 36.521-1: Update of ACLR test case | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092442 | 0065 | - | CR to 36.521-1: Update of Spurious Emissions test case | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092467 | 0066 | - | LTE-RF: Transmit OFF Power update | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092473 | 0067 | - | LTE\_RF - Update on TC 7.7 Spurious Response (re-submit with no changes) | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092474 | 0068 | - | LTE\_RF - Update on TC 7.9 Spurious Emissions (re-submit with no changes) | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092527 | 0069 | - | Update of TDD PDSCH test cases | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092602 | 0070 | - | LTE-RF: CR for Maximum Power Reduction test case (re-submit no changes) | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092603 | 0071 | - | TP for Demodulation of TDD PDCCH/PCFICH | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092605 | 0072 | - | Mapping of uplink physical channels for FDD | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092606 | 0073 | - | Update of Annex C | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092607 | 0074 | - | CR to 36.521-1: Update of test parameters for Demodulation of PDSCH (FDD) tests | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092614 | 0075 | - | Update of SEM test case | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092642 | 0076 | - | Update of transmit quality test cases | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092643 | 0077 | - | Text proposal for TDD part of CQI Reporting under Fading conditions | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092644 | 0078 | - | Text proposal for TDD part of CQI Reporting under AWGN conditions | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092645 | 0079 | - | LTE-RF: Update of Additional Spectrum Emission mask Test case with TDD Uplink Test configuration | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092649 | 0080 | - | LTE-RF: CR for TDD DL RMC to be used in TX test cases | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092653 | 0081 | - | LTE-RF: CR for Additional Maximum Power Reduction test case | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092661 | 0082 | - | RMC update for PDCCH/PCFICH performance requirement | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | RP-090444 | 1161 | - | Test frequencies for Additional Spurious Emission test case | 8.6.0 | 8.7.0 |
| 2009-05 | RAN#44 | R5-092366 | 0084 | - | Update of 7.3.1 | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092440 | 0085 | - | LTE-RF: CR for UE max output power test case | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092472 | 0086 | - | LTE\_RF - Update on TC 7.6 Blocking Characteristics (re-submit with changes) | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092636 | 0087 | - | CR to 36.521-1 Addition of frequencies for band 18 and band 19 | 8.1.0 | 8.2.0 |
| 2009-05 | RAN#44 | R5-092652 | 0088 | 2 | Improved stability of TC 7.8.5 Power Control in the DL from F-DPCH to HSUPA TC 5.2D and 5.13.2B | 8.1.0 | 8.2.0 |
| - | - | - | - | - | Editorial corrections | 8.2.0 | 8.2.1 |
| 2009-09 | RAN#45 | R5-094032 | 0089 | - | Correction CR to 36.521-1: Update of Requirements for Demodulation of PDSCH (FDD) tests | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094034 | 0090 | - | Correction CR to 36.521-1: Update of General Requirements for Demodulation tests | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094214 | 0091 | - | Update of In-band emissions | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094215 | 0092 | - | TDD Initial downlink channel setting | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094216 | 0093 | - | Correction to Annex B | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094248 | 0094 | - | CR to 36.521-1: Update to ACLR test case | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094250 | 0095 | - | CR to 36.521-1: Update to UE max output power test case | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094281 | 0096 | - | Mapping of uplink physical channels for TDD | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094282 | 0097 | - | LTE-RF: CR for notes in TDD DL RMC to be used in TX test cases | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094283 | 0098 | - | LTE-RF: message update to keep Tx power constant for some Rx test cases | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094313 | 0099 | - | LTE-RF: CR to test case for Aggregate power control tolerance | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094317 | 0100 | - | LTE-RF: CR for UE minimum output power test case for TDD | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094318 | 0101 | - | LTE-RF: CR for Power Control Relative power tolerance test case | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094319 | 0102 | - | In band emission for non-allocated RB | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094320 | 0103 | - | LTE RF: correction for subclause 6.6.2.2.5 (A-SEM) supported band list | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094362 | 0104 | - | Correction of RMCs (36.521 Annex A) | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094363 | 0105 | - | Usage of the Global In-Channels TX-Test across different Signal Quality tests. | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094365 | 0106 | - | LTE TX: 1to2 RX antenna | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094367 | 0107 | - | Correction to 6.6.2.2 Additional Spectrum Emission Mask | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094370 | 0108 | - | Correction to 6.6.2.3 ACLR | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094371 | 0109 | - | Correction to 6.7 TX Intermodulation | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094374 | 0110 | - | Correction to 7.6.1 In-Band Blocking | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094375 | 0111 | - | UE category (36.521 clause 8) | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094378 | 0112 | - | Completion of Global in-Channel TX-Test (36.521 Annex E) | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094379 | 0113 | - | Completion of Global in-Channel TX-Test with PRACH (36.521 Annex E) | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094380 | 0114 | - | Completion of Statistical testing (36.521 Annex G) | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094385 | 0115 | - | Correction to Annex D.2 Interference signals | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094439 | 0116 | - | Update for ACS | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094661 | 0117 | - | LTE RF - Core update on TC7.6.2 Out-of-band Blocking | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094663 | 0118 | - | LTE RF - Symbols Update on UL transmission configurations | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094665 | 0119 | - | LTE RF - Clarification for Test Configurations in General Section | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094668 | 0120 | - | LTE RF - Applicability of 6.2.3 MPR | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094671 | 0121 | - | LTE RF - Verification of UE Output Power in Out of Band Emission tests | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094684 | 0122 | - | CR to 36.521-1: Update to UE max output power test case | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094686 | 0123 | - | LTE-RF CR to 36.521-1: Update the E-UTRA channel numbers | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094687 | 0124 | - | LTE-RF: CR for UE maximum power reduction(MPR) test case | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094699 | 0125 | - | Update to SEM and spurious emissions TC | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094706 | 0126 | - | Resubmission-Update to the Requirements for frequency-selective fading test | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094717 | 0127 | - | Update of SEM | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094718 | 0128 | - | Update of initial conditions with Annex references | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094721 | 0129 | - | Update of 6.7 Tx Inter Mod | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094725 | 0130 | - | Correction to E-UTRA channel numbers for Band 2 | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094726 | 0131 | - | Correction to Tx spurious emissions | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094757 | 0132 | - | Update of TDD PHICH test cases | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094874 | 0133 | - | Correction to Demodulation of PDCCH/PCFICH test cases | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094902 | 0134 | - | Addition of 15 MHz and 20 MHz bandwidths and corresponding sensitivity requirements into band 38 | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094903 | 0135 | - | Correction CR to 36.521-1: Update of Transmitter tests network signalled parameter value | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094905 | 0136 | - | Update of TDD PDSCH test cases | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094908 | 0137 | - | LTE-RF: CR for Power Control Absolute power tolerance test case | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094909 | 0138 | - | Update to Output Power dynamics test cases | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094913 | 0139 | - | Clarification for downlink signal setting in RX tests | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094914 | 0140 | - | UL RB allocation for receiver tests | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094915 | 0141 | - | Update of TDD PCFICH/PDCCH test cases | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094921 | 0142 | - | Correction to CQI performance test case | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094922 | 0143 | - | Test description for CQI test cases under AWGN conditions | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094923 | 0144 | - | Resubmission - Requirements for PMI reporting ( Single and Multiple PMI) | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094966 | 0145 | - | CR to 36.521-1: Addition of A-MPR for band 19 | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094976 | 0146 | - | Without loop back: 6.2.2 UE maximum output power | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094977 | 0147 | - | Without loop back: 6.3.2 Minimum output power | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094979 | 0148 | - | LTE-RF: CR for UE configured UE transmitted output power test case | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094980 | 0149 | - | CR to 36.521-1: Definition of Maximum Power state in TX/RX test cases | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094982 | 0150 | 1 | Correction of Tx general description | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094986 | 0151 | - | Update of 6.6.1OBW | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094989 | 0152 | - | Correction to 1PRB tests in Demodulation of PDSCH | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094995 | 0153 | - | Correction CR to 36.521-1: Update of Requirements for Additional Maximum Power Reduction (A-MPR) test | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094996 | 0154 | - | Correction to Demodulation of PHICH test cases | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-094997 | 0155 | - | EVM TC update | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-095300 | 0156 | - | LTE-RF: test description update | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-095301 | 0157 | - | Correction CR to 36.521-1: Addition of measurement uncertainty and test tolerances for A-MPR | 8.2.1 | 8.3.0 |
| 2009-09 | RAN#45 | R5-095304 | 0158 | - | Sorting out Demodulation of PDSCH for FDD | 8.2.1 | 8.3.0 |
| 2009-09 | - | - | - | - | TOC update and Annexes' titles formattings | 8.3.0 | 8.3.1 |
| 2009-12 | RAN#46 | R5-095515 | 0159 | - | Correction CR to 36.521-1: Additional Spectrum Emission Mask test need to be updated to include the network signalled value "NS\_07ö message contents exceptions | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-095589 | 0160 | - | Update for test period description in the general section | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-095657 | 0161 | - | LTE-RF: CR for Power Control Absolute power tolerance test case | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-095661 | 0162 | - | LTE-RF: CR for UE minimum output power test case | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-095735 | 0163 | - | Corrections to Annex A.4 | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-095766 | 0164 | - | LTE-RF: CR for In band emission for non-allocated RB | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-095790 | 0165 | - | Completion of Statistical testing (36.521 Annex G) | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-095791 | 0166 | - | Corrections to Annex E | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096058 | 0167 | - | Removal of [ ] from 7.6.1, 7.8.1, and 7.5 of Annex F3.3 | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096096 | 0168 | - | Update on 8.2.1 | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096105 | 0169 | - | LTE RF: Symbols Update on Configured UE Transmitted Power | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096204 | 0170 | - | LTE-RF: CR to Transmission signal quality | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096208 | 0171 | - | LTE-RF: CR for Power Control Relative power tolerance test case | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096210 | 0172 | - | LTE-RF: CR to ON/OFF Time mask test cases | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096211 | 0173 | - | Measurement period for TX-Tests | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096213 | 0174 | - | CR to 36.521-1: Update to Spurious Emissions test cases | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096214 | 0175 | - | CR to 36.521-1: Update to ACLR test case | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096219 | 0176 | - | LTE-RF: CR for UE configured UE transmitted output power test case | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096222 | 0177 | - | Test description for CQI test cases under AWGN conditions | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096223 | 0178 | - | LTE RF: Blocking Characteristics update | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096224 | 0179 | - | LTE RF: Spurious Response Update | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096228 | 0180 | - | LTE-RF: CR for MPR test case | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096229 | 0204 | 2 | CR to 36.521-1: Update to A-MPR test case | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096230 | 0181 | - | LTE RF: Applicability of 6.2.4 A-MPR | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096231 | 0182 | - | Correction to Demodulation of PHICH test cases | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096235 | 0183 | - | Introduction of CQI reporting test with frequency-selective interference | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096239 | 0184 | - | Update to the test procedure and message contents of TDD PMI reporting test cases | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096240 | 0205 | - | CR to 36.521-1: Update to Derivation of Test Requirements for A-MPR | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096241 | 0185 | - | Measurement uncertainties and Test Tolerances for transmit quality test cases | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096242 | 0186 | - | Update for 36.521-1 Annex A | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096289 | 0187 | - | CR on 36.521-1, 'Introduction of clause 8.2.1.1 test case uncertainties and Test Tolerances' | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096306 | 0188 | - | Update to the test procedure of SEM test cases of 36.521-1 | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096311 | 0189 | - | Update of 6.6.1 OBW | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096312 | 0190 | - | Correction to SEM | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096313 | 0191 | - | Update of 6.7 Transmit intermodulation | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096315 | 0192 | - | CR to 36.521-1: Update to UE max output power test case | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096316 | 0193 | - | CR to 36.521-1: Update to Additional Spurious Emissions test case | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096317 | 0194 | - | CR to TDD PHICH demodulation test cases | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096318 | 0195 | - | Correction to FDD PMI reporting test cases | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096320 | 0196 | - | Tx power range and core update for Receiver tests | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096322 | 0197 | - | Update on 7.4, 7.5, and 7.8.1 | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096323 | 0198 | - | Introduction of RI reporting test | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096333 | 0199 | - | Update to 6.5 Transmit signal quality test cases | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096334 | 0200 | - | LTE-RF: CR for Aggregate power control tolerance test case | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096335 | 0201 | - | Correction CR to 36.521-1: Update for Demodulation of PDSCH (FDD) tests to correct CR merges results from RAN5#44 | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096336 | 0206 | 1 | Update TDD PDSCH test cases | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096338 | 0202 | - | Number of used HARQ processes in DL Performance tests | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096342 | 0207 | 2 | Minimum test time for performance tests | 8.3.1 | 8.4.0 |
| 2009-12 | RAN#46 | R5-096718 | 0203 | - | LTE RF: A-SEM update and A-MPR verification | 8.3.1 | 8.4.0 |
| 2010-03 | RAN#47 | R5-100353 | 0208 | - | LTE-RF CR to 36.521-1:TIME MASK test case updated | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100354 | 0209 | - | LTE-RF: CR for A-MPR notation in NS\_07 | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100403 | 0210 | - | LTE-RF: CR for Tx Intermodulation test case | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100404 | 0211 | - | LTE-RF: CR for OBW measurement period alignment | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100408 | 0212 | - | Reporting mode, Reporting Interval and Editorial corrections for demodulation | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100456 | 0213 | - | Misc update on MAC padding in Rx and performance sections | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100566 | 0214 | - | Missing Test limits in 36.521-1 Annex G | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100567 | 0215 | - | Wrong references from 36.521-1 clauses 8.4 and 8.5 into Annex G | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100569 | 0216 | - | Typos in 36.521-1, Annex E | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100571 | 0217 | - | Minimum test time for performance tests | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100572 | 0218 | - | Correction to 6.6.3.3 Additional spurious emissions | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100790 | 0219 | - | DL-RMC-s for transmitter tests: Corrections | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100800 | 0220 | - | Update of Test environment for RF test | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100803 | 0221 | - | Spectrum emission mask: Correction to uplink configuration | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100807 | 0222 | - | Performance tests: Scheduling of retransmissions | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100810 | 0223 | - | UL-RMC-s: Corrections and completion | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100814 | 0224 | - | Corrections to Cl 5.4.2.1 of TS 36.521-1 | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100815 | 0225 | - | LTE-RF: CR for UE configured UE transmitted output power test case | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100816 | 0226 | - | LTE-RF: CR for Power Control Relative power tolerance test case | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100822 | 0227 | - | CR to 36.521-1: Update to Maximum output power | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100823 | 0228 | - | CR to 36.521-1: Update to ACLR test case | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100825 | 0229 | - | CR to 36.521-1: Update to Additional Tx spurious emissions test case | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100826 | 0230 | - | RMC-s and OCNG patterns: Update according 36.101 8.8.0 | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100827 | 0231 | - | Receiver and performance tests: Update use of OCNG according 36.101 8.8.0 | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100828 | 0232 | - | Update of PDSCH Demodulation Tests | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100831 | 0233 | - | Introduction of clause 8.2.1.2, 8.2.1.3, 8.2.1.4 test case uncertainties and Test Tolerances | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100832 | 0234 | - | Clarifications on DRS performance test case | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100833 | 0235 | - | Misc update on MAC padding in PDCCH, CSI test | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100834 | 0236 | - | Updates to the TDD portion of CQI reporting test cases under AWGN | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100838 | 0237 | - | Editorial Correction to 8.2.1.3 | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100839 | 0238 | - | Update on Annex C for 36.521-1 | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100840 | 0239 | - | Update on MAC padding in TDD PMI test case 9.4 of 36.521-1. | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100841 | 0240 | - | Correction to CQI test cases under AWGN conditions | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100842 | 0241 | - | Correction to CQI test cases under fading conditions | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100843 | 0242 | - | Correction to PMI reporting test cases | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100845 | 0243 | - | CSI: Corrections to tests titles and RI clause structure | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100848 | 0244 | - | CR to 36.521-1: Update LTE RF test cases with test requirements for extended LTE1500MHz | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100886 | 0245 | - | Transmitter characteristics: UE Categories and other corrections | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100887 | 0246 | - | CR to 36.521-1: Update to Tx spurious emissions and Spurious emission band UE co-existence | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100888 | 0247 | - | Clarification on notes in Max Power | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100889 | 0248 | - | Maximum input level: Corrections w.r.t. UE categories | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100891 | 0249 | - | Correction to PDCCH demodulation test cases | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100892 | 0250 | - | Correction to PHICH demodulation test cases | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100907 | 0251 | - | Update of RI reporting test case | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | R5-100909 | 0252 | - | Correction to set UL power in Rx TCs | 8.4.0 | 8.5.0 |
| 2010-03 | RAN#47 | - | - | - | Moved to v9.0.0 with no change | 8.5.0 | 9.0.0 |
| 2010-06 | RAN#48 | R5-103102 | 0253 | - | CR to 36.521-1: Update of EARFCN for band 21 | 9.0.0 | 9.1.0 |
| 2010-06 | RAN#48 | R5-103103 | 0254 | - | CR to 36.521-1: Update of A-MPR test case with band 21 | 9.0.0 | 9.1.0 |
| 2010-06 | RAN#48 | R5-103104 | 0255 | - | CR to 36.521-1: Update of Additional Spurious test case with band 21 | 9.0.0 | 9.1.0 |
| 2010-06 | RAN#48 | R5-103106 | 0256 | - | CR to 36.521-1: Update to ACLR test case | 9.0.0 | 9.1.0 |
| 2010-06 | RAN#48 | R5-103108 | 0257 | - | CR to 36.521-1: Update of Reference sensitivity level test case | 9.0.0 | 9.1.0 |
| 2010-06 | RAN#48 | R5-103226 | 0258 | - | CR to 36.521-1: Update of UE RF requirements for LTE, Band 20 | 9.0.0 | 9.1.0 |
| 2010-06 | RAN#48 | R5-103263 | 0259 | - | LTE-RF: Updates of PDCCH demodulation test cases (FDD and TDD) | 9.0.0 | 9.1.0 |
| 2010-06 | RAN#48 | R5-103265 | 0260 | - | LTE-RF:CR for TDD ACK/NACK feedback mode in CQI BLER test cases | 9.0.0 | 9.1.0 |
| 2010-06 | RAN#48 | R5-103288 | 0261 | - | PDCCH Aggregation level for RF tests | 9.0.0 | 9.1.0 |
| 2010-06 | RAN#48 | R5-103291 | 0262 | - | Update and correction to UE maximum output power requirements | 9.0.0 | 9.1.0 |
| 2010-06 | RAN#48 | R5-103293 | 0263 | - | Editorial correction in In-band blocking test | 9.0.0 | 9.1.0 |
| 2010-06 | RAN#48 | R5-103296 | 0264 | - | Correction to additional spectrum emission mask test configuration | 9.0.0 | 9.1.0 |
| 2010-06 | RAN#48 | R5-103300 | 0265 | - | Corrections to Uplink RMC-s | 9.0.0 | 9.1.0 |
| 2010-06 | RAN#48 | R5-103450 | 0266 | - | LTE-RF: editorial CR for TC 7.6.2 and 7.7 | 9.0.0 | 9.1.0 |
| 2010-06 | RAN#48 | R5-103471 | 0267 | - | Minimum test time for performance tests | 9.0.0 | 9.1.0 |
| 2010-06 | RAN#48 | R5-103476 | 0268 | - | EVM with exclusion period (annex) | 9.0.0 | 9.1.0 |
| 2010-06 | RAN#48 | R5-103521 | 0269 | - | CR on 36.521-1 for updating the "Reporting of Channel State Information" | 9.0.0 | 9.1.0 |
| 2010-06 | RAN#48 | R5-103525 | 0270 | - | CR on 36.521-1 for corrections in UE RF requirements | 9.0.0 | 9.1.0 |
| 2010-06 | RAN#48 | R5-103598 | 0271 | - | Correction to notes in Max Power | 9.0.0 | 9.1.0 |
| 2010-06 | RAN#48 | R5-103602 | 0272 | - | Clarification of measurement conditions for Rx spurious emission | 9.0.0 | 9.1.0 |
| 2010-06 | RAN#48 | R5-103726 | 0273 | - | CR to 36.521-1: Update of Spurious emission band UE co-existence test case | 9.0.0 | 9.1.0 |
| 2010-06 | RAN#48 | R5-103727 | 0274 | - | LTE-RF: CR for Prach time mask test case | 9.0.0 | 9.1.0 |
| 2010-06 | RAN#48 | R5-103728 | 0275 | - | LTE-RF: CR for General ON/OFF time mask test case | 9.0.0 | 9.1.0 |
| 2010-06 | RAN#48 | R5-103729 | 0276 | - | LTE-RF: Update to spectrum flatness test case and relevant annexes | 9.0.0 | 9.1.0 |
| 2010-06 | RAN#48 | R5-103730 | 0277 | - | LTE-RF:CR for test case of In-band emissions | 9.0.0 | 9.1.0 |
| 2010-06 | RAN#48 | R5-103731 | 0278 | - | EVM with exclusion period (test) | 9.0.0 | 9.1.0 |
| 2010-06 | RAN#48 | R5-103732 | 0279 | - | CR to 36.521-1 on Correction to Demodulation Requirements for PDSCH | 9.0.0 | 9.1.0 |
| 2010-06 | RAN#48 | R5-103733 | 0280 | - | CR to 36.521-1: Update PDCCH DCI Formats for Open Loop and Closed Loop Spatial Multiplexing Test Cases | 9.0.0 | 9.1.0 |
| 2010-06 | RAN#48 | R5-103751 | 0281 | - | Misc update in CSI tests | 9.0.0 | 9.1.0 |
| 2010-06 | RAN#48 | R5-103752 | 0282 | - | Correction of the statistical part in PMI and RI tests | 9.0.0 | 9.1.0 |
| 2010-06 | RAN#48 | R5-103753 | 0283 | - | LTE-RF:CR to downlink RMCs for TX characteristics | 9.0.0 | 9.1.0 |
| 2010-06 | RAN#48 | R5-103754 | 0284 | - | LTE-RF: Update of annex C | 9.0.0 | 9.1.0 |
| 2010-06 | RAN#48 | R5-103756 | 0285 | - | Measuring throughput ratios (Annex G) | 9.0.0 | 9.1.0 |
| 2010-06 | RAN#48 | R5-103763 | 0286 | - | LTE-RF: CR for Minimum output power test case | 9.0.0 | 9.1.0 |
| 2010-06 | RAN#48 | R5-103764 | 0287 | - | Performance, CSI reporting and uncertainties for UEs with multiple Rx antennas | 9.0.0 | 9.1.0 |
| 2010-06 | RAN#48 | R5-103771 | 0288 | - | Introduction of clause 8.4.1 and 8.5.1 test case uncertainties and Test Tolerances | 9.0.0 | 9.1.0 |
| 2010-06 | RAN#48 | R5-103778 | 0291 | - | Uplink power for receiver tests | 9.0.0 | 9.1.0 |
| 2010-06 | RAN#48 | R5-103780 | 0292 | 1 | Addition of the exceptional message for In-band emissions | 9.0.0 | 9.1.0 |
| 2010-06 | RAN#48 | R5-103781 | 0289 | - | Correction to 6.5.2.1 EVM | 9.0.0 | 9.1.0 |
| 2010-06 | RAN#48 | R5-103782 | 0290 | - | Correction to CQI reporting | 9.0.0 | 9.1.0 |
| 2010-09 | RAN#49 | R5-104090 | 0294 | - | Corrections to Spectrum emission mask test regarding UE category | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104091 | 0295 | - | Missing note in Additional spurious emission test with NS\_07 | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104095 | 0296 | - | PDCCH Aggregation level for CSI tests | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104096 | 0297 | - | Default initial and connection Uplink power for RF tests | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104212 | 0298 | - | Limits on Uplink power for Receiver tests | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104244 | 0299 | - | Correction to Demodulation Requirements | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104461 | 0300 | - | CR to 36.521-1: Editorial Corrections for Closed Loop Spatial Multiplexing Test Cases | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104478 | 0301 | - | Correction to Test requirements in 6.5.2.2 | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104482 | 0302 | - | Correction to 8.2.1.1 | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104520 | 0303 | - | 36521-1 General update of sections 00 to 08: missing Introduction references formatting | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104583 | 0304 | - | No necessity to apply - consecutive time slots for EVM | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104584 | 0305 | - | Correction to E.4.4 EVM equalizer spectrum flatness | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104630 | 0306 | - | Correction of table reference in In-band emissions test | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104808 | 0307 | - | CR to 36.521-1: Update to Additional Spectrum Emission Mask test case | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104809 | 0308 | - | CR to 36.521-1: Update to Spurious emission band UE co-existence test case | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104810 | 0309 | - | LTE-RF: CR for Max Output Power | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104811 | 0310 | - | LTE-RF: CR for Freq Error | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104812 | 0311 | - | Introduction of exclusion period for PUCCH-EVM test in clause 6.5.3 | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104813 | 0312 | - | Correction to Demodulation UE-Specific Reference Symbols | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104814 | 0313 | - | Uncertainties and Test Tolerances for CSI Test cases 9.2.1.1 and 9.2.1.2 | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104815 | 0314 | - | Uncertainties and Test Tolerances for CSI Test cases 9.2.2.1 and 9.2.2.2 | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104816 | 0315 | - | UE applicability for CSI test cases | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104817 | 0316 | - | Update of CQI reporting TCs under fading conditions | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104818 | 0317 | - | Update of Reporting of Precoding Matrix Indicator TCs | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104819 | 0318 | - | Correction of the statistical part 9.3.1.1.1 (CQI Reporting under fading conditions) | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104820 | 0319 | - | Correction of the statistical part 9.3.3.1.1 (CQI Reporting under fading conditions) | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104821 | 0320 | - | Correction of the statistical part 9.3.2.1.1 (CQI Reporting under fading conditions) | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104822 | 0321 | - | Update and new RMC-s for CQI tests | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104823 | 0322 | - | Correction of EVM calculation in annex | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104824 | 0323 | - | Introduction of exclusion period for PUCCH-EVM test in Annex E | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104844 | 0324 | - | Pcmax changes to Configured UE Transmitted Output Power | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104845 | 0325 | - | Clarification on the frequency range with net work signal in 6.6.3.2 | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104846 | 0326 | - | Update of editor's notes | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104847 | 0327 | - | Removal of Extreme Conditions in 6.2.3 | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104850 | 0328 | - | Corrections to Test procedure loop in CSI tests | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104851 | 0329 | - | Introduction of TDD CQI Reporting under fading conditions and frequency-selective interference test case | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104852 | 0330 | - | Introduction of TDD RI Reporting test case | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104853 | 0331 | - | Update of CQI reporting TCs under AWGN conditions | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104854 | 0332 | - | Update of FDD RI Reporting TC | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104857 | 0333 | - | CR to 36.521-1 LTE UE Tx\_RX test cases band 20 | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104861 | 0334 | - | Corrections to Test requirements for MPR test | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104863 | 0335 | - | Clarification on notes in Max Power | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104872 | 0336 | - | Correction to 6.3.5.2 | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104873 | 0337 | - | Numbering and alignment of TDD PHICH demod test cases | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104874 | 0338 | - | Correction to test numbering for exceptional messages in 8.2.x.x | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104875 | 0339 | - | Correction to 9.2.2 | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104876 | 0340 | - | Correction to the test procedures of 9.3.x | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104877 | 0341 | - | Correction to 9.4.x | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104878 | 0342 | - | The new reference of connection diagram for 9.3.3 | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104879 | 0343 | - | Correction to 6.3.4.1 and 6.3.5.1 | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-104888 | 0344 | - | Update of Annex C.2 for AG level | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-105055 | 0345 | - | Introduction of a new RF test case (8.7) to verify downlink sustained data rate performance | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-105061 | 0347 | - | CR to 36.521-1: Modification to Additional Maximum Power Reduction Test Case | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-105062 | 0348 | - | Modification to Additional Spectrum Emission Mask | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-105063 | 0349 | - | Modification to Additional Spurious Emissions | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-105064 | 0350 | - | Modification to Maximum Power Reduction | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | R5-105065 | 0351 | - | Modification to Adjacent Channel Leakage Power Ratio | 9.1.0 | 9.2.0 |
| 2010-09 | RAN#49 | RP-100987 | 0352 | - | Correction of status for RF performance test case | 9.1.0 | 9.2.0 |
| 2010-12 | RAN#50 | R5-106073 | 0353 | - | Corrections to receiver spurious emissions test | 9.2.0 | 9.3.0 |
| 2010-12 | RAN#50 | R5-106074 | 0354 | - | Update of downlink power for receiver tests | 9.2.0 | 9.3.0 |
| 2010-12 | RAN#50 | R5-106076 | 0355 | - | CQI: Side condition when CQI median equals min or max CQI-values | 9.2.0 | 9.3.0 |
| 2010-12 | RAN#50 | R5-106077 | 0356 | - | Update of the throughput-definition for multi-data stream transmission | 9.2.0 | 9.3.0 |
| 2010-12 | RAN#50 | R5-106078 | 0357 | - | Update of RF OCNG patterns | 9.2.0 | 9.3.0 |
| 2010-12 | RAN#50 | R5-106092 | 0358 | - | Correction of DCI format used in PDSCH performance test 8.2.1.4.2 | 9.2.0 | 9.3.0 |
| 2010-12 | RAN#50 | R5-106249 | 0359 | - | CR to 36.521-1: Correction to Spurious emission band UE co-existence test case | 9.2.0 | 9.3.0 |
| 2010-12 | RAN#50 | R5-106250 | 0360 | - | CR to 36.521-1: Correction to Additional Tx spurious emissions test case | 9.2.0 | 9.3.0 |
| 2010-12 | RAN#50 | R5-106374 | 0361 | - | Correction of FDD CQI reporting test under AWGN - PUCCH 1-1 | 9.2.0 | 9.3.0 |
| 2010-12 | RAN#50 | R5-106394 | 0362 | - | Correction of clause 9.3.1 and 9.3.3 | 9.2.0 | 9.3.0 |
| 2010-12 | RAN#50 | R5-106399 | 0363 | - | "Correction of G.2.5 Pass fail decision rules" | 9.2.0 | 9.3.0 |
| 2010-12 | RAN#50 | R5-106420 | 0364 | - | Introduction of test uncertainties and tolerances for TDD PDSCH DRS test cases | 9.2.0 | 9.3.0 |
| 2010-12 | RAN#50 | R5-106440 | 0365 | - | Correction to unsigned numbers in Annex F.1.2 | 9.2.0 | 9.3.0 |
| 2010-12 | RAN#50 | R5-106443 | 0366 | - | Correction to the exceptional messages in 9.4 Reporting of PMI TCs | 9.2.0 | 9.3.0 |
| 2010-12 | RAN#50 | R5-106491 | 0367 | - | CR to 36.521-1: Correction to Table Numbering Error in TDD PDSCH Closed Loop Single/Multi Layer Spatial Multiplexing 2x2 | 9.2.0 | 9.3.0 |
| 2010-12 | RAN#50 | R5-106512 | 0368 | - | Transport format table clarification in CSI test cases | 9.2.0 | 9.3.0 |
| 2010-12 | RAN#50 | R5-106801 | 0369 | - | HARQ scheduling in TDD performance tests using special subframes | 9.2.0 | 9.3.0 |
| 2010-12 | RAN#50 | R5-106803 | 0370 | - | Correction to Fading Profiles in TCs 8.4 and 8.5 | 9.2.0 | 9.3.0 |
| 2010-12 | RAN#50 | R5-106816 | 0372 | - | CR to 36.521-1: Modification to Spectrum Emissions Mask | 9.2.0 | 9.3.0 |
| 2010-12 | RAN#50 | R5-106817 | 0373 | - | Introduction of test uncertainties and tolerances for TDD PCFICH/PDCCH and PHICH test cases | 9.2.0 | 9.3.0 |
| 2010-12 | RAN#50 | R5-106818 | 0374 | - | Update of TDD PDSCH CRS Demodulation test cases | 9.2.0 | 9.3.0 |
| 2010-12 | RAN#50 | R5-106821 | 0375 | - | PUSCH-EVM with exclusion period | 9.2.0 | 9.3.0 |
| 2010-12 | RAN#50 | R5-106822 | 0376 | - | Maintenance of Band 20 for receiver tests | 9.2.0 | 9.3.0 |
| 2010-12 | RAN#50 | R5-106823 | 0377 | - | Completion of clause 9.3.1 and 9.3.2 | 9.2.0 | 9.3.0 |
| 2010-12 | RAN#50 | R5-106824 | 0378 | - | Update of FDD RI Reporting TC | 9.2.0 | 9.3.0 |
| 2010-12 | RAN#50 | R5-106825 | 0379 | - | Correction to 9.2.2 CQI TCs | 9.2.0 | 9.3.0 |
| 2010-12 | RAN#50 | R5-106826 | 0380 | - | G.3.5 on PDCCH&PHICH Minimum Test Times | 9.2.0 | 9.3.0 |
| 2010-12 | RAN#50 | R5-106827 | 0381 | - | Completion of test time and ╬│-TT for clauses 9.3 to 9.5 | 9.2.0 | 9.3.0 |
| 2010-12 | RAN#50 | R5-106828 | 0382 | - | EVM window length for PRACH | 9.2.0 | 9.3.0 |
| 2010-12 | RAN#50 | R5-106842 | 0383 | - | Modification of TC 8.3.2.1 - TDD PDSCH Single-layer SM Performance (UE-Specific Reference Symbols) | 9.2.0 | 9.3.0 |
| 2010-12 | RAN#50 | R5-106843 | 0384 | - | Power control relative power tolerance: Missing band edge relaxation | 9.2.0 | 9.3.0 |
| 2010-12 | RAN#50 | R5-106844 | 0385 | - | SRS time mask test procedure update | 9.2.0 | 9.3.0 |
| 2010-12 | RAN#50 | R5-106845 | 0386 | - | Correction of TC General ON/OFF time mask | 9.2.0 | 9.3.0 |
| 2010-12 | RAN#50 | R5-106846 | 0387 | - | Update of TDD CQI reporting test under frequency selective interference conditions | 9.2.0 | 9.3.0 |
| 2010-12 | RAN#50 | R5-106847 | 0388 | - | Update of TDD RI reporting test | 9.2.0 | 9.3.0 |
| 2010-12 | RAN#50 | R5-106848 | 0389 | - | Iot setting in CQI test clarification | 9.2.0 | 9.3.0 |
| 2010-12 | RAN#50 | R5-106850 | 0390 | - | Correction of Test Uncertainties and Test Tolerances for Reference Sensitivity-Band 4 | 9.2.0 | 9.3.0 |
| 2010-12 | RAN#50 | R5-106855 | 0391 | - | Correction to DL and UL RMC configurations in 6.5.1 Frequency Error | 9.2.0 | 9.3.0 |
| 2010-12 | RAN#50 | R5-106858 | 0392 | - | CR to 36.521-1: Update LTE RF test cases with test requirements for EUTRA TDD LTE band 41. | 9.2.0 | 9.3.0 |
| 2011-03 | RAN#51 | R5-110138 | 0393 | - | Spurious emission band co-existence test: Remaining old test requirement table | 9.3.0 | 9.4.0 |
| 2011-03 | RAN#51 | R5-110139 | 0394 | - | Transmit intermodulation test: Interferer offset for Band 20, Bandwidth 20 MHz | 9.3.0 | 9.4.0 |
| 2011-03 | RAN#51 | R5-110141 | 0395 | - | PMI Performance tests: Corrections to test settings | 9.3.0 | 9.4.0 |
| 2011-03 | RAN#51 | R5-110143 | 0396 | - | PDCCH Performance test: Correction to TDD DL RMC-s | 9.3.0 | 9.4.0 |
| 2011-03 | RAN#51 | R5-110144 | 0397 | - | OCNG for RF tests: Updates | 9.3.0 | 9.4.0 |
| 2011-03 | RAN#51 | R5-110158 | 0398 | - | CQI Performance tests: Clarification on subbands used in the test | 9.3.0 | 9.4.0 |
| 2011-03 | RAN#51 | R5-110302 | 0399 | - | LTE RF: PCFICH/PDCCH Transmit Diversity Performance | 9.3.0 | 9.4.0 |
| 2011-03 | RAN#51 | R5-110349 | 0401 | - | Correction of OFF power measurements in 6.3.4 ON/OFF time mask | 9.3.0 | 9.4.0 |
| 2011-03 | RAN#51 | R5-110354 | 0402 | - | Correction of Annex E (Global In-Channel TX-Test) | 9.3.0 | 9.4.0 |
| 2011-03 | RAN#51 | R5-110506 | 0403 | - | Addition of 3500 MHz TDD bands into chapter 5 of 36.521-1 | 9.3.0 | 9.4.0 |
| 2011-03 | RAN#51 | R5-110747 | 0404 | - | Updates to section 8.7 DL sustained data rate test case | 9.3.0 | 9.4.0 |
| 2011-03 | RAN#51 | R5-110850 | 0405 | - | Sustained data rate: Definition of UL RMC-s | 9.3.0 | 9.4.0 |
| 2011-03 | RAN#51 | R5-110860 | 0400 | - | Update measurement period from test procedure of 6.2.2 | 9.3.0 | 9.4.0 |
| 2011-03 | RAN#51 | R5-110861 | 0428 | - | A-MPR Test requirement update | 9.3.0 | 9.4.0 |
| 2011-03 | RAN#51 | R5-110862 | 0437 | - | Measuring throughput with different payload size. | 9.3.0 | 9.4.0 |
| 2011-03 | RAN#51 | R5-110900 | 0406 | - | Correction to SNR reference in FDD PCFICH/PDCCH Single Antenna Port Performance Test | 9.3.0 | 9.4.0 |
| 2011-03 | RAN#51 | R5-110901 | 0407 | - | CR to 36.521-1: Correction of Additional Maximum Power Reduction (A-MPR) test case | 9.3.0 | 9.4.0 |
| 2011-03 | RAN#51 | R5-110915 | 0408 | - | Uncertainties and Test Tolerances for CSI Test cases 9.3.1.1.x and 9.3.2.1.x | 9.3.0 | 9.4.0 |
| 2011-03 | RAN#51 | R5-110916 | 0409 | - | Uncertainties and Test Tolerances for CSI Test cases 9.3.3.1.x | 9.3.0 | 9.4.0 |
| 2011-03 | RAN#51 | R5-110917 | 0410 | - | Uncertainties and Test Tolerances for CSI Test cases 9.4.1.1.x and 9.4.2.1.x | 9.3.0 | 9.4.0 |
| 2011-03 | RAN#51 | R5-110918 | 0411 | - | Uncertainties and Test Tolerances for CSI Test cases 9.5.1.x | 9.3.0 | 9.4.0 |
| 2011-03 | RAN#51 | R5-110919 | 0412 | - | Editorial errors in CSI test cases 9.2.1.x Test procedure | 9.3.0 | 9.4.0 |
| 2011-03 | RAN#51 | R5-110933 | 0413 | - | Handling of different releases in RAN5 LTE RF specification | 9.3.0 | 9.4.0 |
| 2011-03 | RAN#51 | R5-110938 | 0414 | - | PRACH Time mask and EVM tests: TDD Special subframe configuration | 9.3.0 | 9.4.0 |
| 2011-03 | RAN#51 | R5-110939 | 0415 | - | Update on PRACH time mask for TDD | 9.3.0 | 9.4.0 |
| 2011-03 | RAN#51 | R5-110940 | 0416 | - | Correction of the connection diagram reference in the initial conditions for Transmitter Characteristics | 9.3.0 | 9.4.0 |
| 2011-03 | RAN#51 | R5-110941 | 0417 | - | Update of the reference sensitivity requirement for the 1.4MHz and 3MHz bandwidths and note correction for Band 3 and Band 9 | 9.3.0 | 9.4.0 |
| 2011-03 | RAN#51 | R5-110942 | 0418 | - | CR Removing brackets of band 41 reference sensitivity in 36.521-1 | 9.3.0 | 9.4.0 |
| 2011-03 | RAN#51 | R5-110949 | 0419 | - | PDCCH and PHICH performance tests: Updates and corrections | 9.3.0 | 9.4.0 |
| 2011-03 | RAN#51 | R5-110950 | 0420 | - | Addition of CodeBookSubsetRestriction bitmap for Multi-Layer Spatial Multiplexing | 9.3.0 | 9.4.0 |
| 2011-03 | RAN#51 | R5-110951 | 0421 | - | Addition of exceptional message in 8.4.1.2.2 | 9.3.0 | 9.4.0 |
| 2011-03 | RAN#51 | R5-110952 | 0422 | - | CQI test 9.2.2.2: Update acc TS 36.101 | 9.3.0 | 9.4.0 |
| 2011-03 | RAN#51 | R5-110953 | 0423 | - | Maximum input level test: Correction to DL-RMC | 9.3.0 | 9.4.0 |
| 2011-03 | RAN#51 | R5-110954 | 0424 | - | Correction of E.7, EVM with exclusion period | 9.3.0 | 9.4.0 |
| 2011-03 | RAN#51 | R5-110967 | 0425 | - | Updates to Additional Spurious emissions and Spurious emission band UE co-existence test | 9.3.0 | 9.4.0 |
| 2011-03 | RAN#51 | R5-110970 | 0426 | - | LTE RF: references to state 3A in 36.521-1 | 9.3.0 | 9.4.0 |
| 2011-03 | RAN#51 | R5-110973 | 0429 | - | RI Performance tests: Corrections | 9.3.0 | 9.4.0 |
| 2011-03 | RAN#51 | R5-110975 | 0430 | - | Completion of annex G.3.5 (Minimum test time, performance tests) | 9.3.0 | 9.4.0 |
| 2011-03 | RAN#51 | R5-110978 | 0431 | - | Correction to Band 12 frequency range | 9.3.0 | 9.4.0 |
| 2011-03 | RAN#51 | R5-110979 | 0432 | - | Additional in-band blocking requirement for Band 12 | 9.3.0 | 9.4.0 |
| 2011-03 | RAN#51 | R5-110989 | 0433 | - | Completion of annex G.3.6 (test conditions, performance tests) | 9.3.0 | 9.4.0 |
| 2011-03 | RAN#51 | R5-110990 | 0434 | - | Addition of test cases of TDD PDSCH Single-layer and Dual-layer Spatial Multiplexing Performance | 9.3.0 | 9.4.0 |
| 2011-03 | RAN#51 | R5-110991 | 0435 | - | Correction to Times Mask and Power Control tests | 9.3.0 | 9.4.0 |
| 2011-03 | RAN#51 | R5-110992 | 0436 | - | Add requirement of QPSK with partial RB allocation into test requirement of 6.2.3 | 9.3.0 | 9.4.0 |
| 2011-04 | - | - | - | - | Added approved R5-110967 which was missing. | 9.4.0 | 9.4.1 |
| 2011-06 | RAN#52 | R5-112148 | 0438 | - | ON/OFF time mask for PRACH: PRACH configuration index | 9.4.1 | 9.5.0 |
| 2011-06 | RAN#52 | R5-112149 | 0439 | - | CQI tests with frequency selective scheduling mode: Random selection of Sub-Bands | 9.4.1 | 9.5.0 |
| 2011-06 | RAN#52 | R5-112150 | 0440 | - | DL-RMC for receiver tests: Obsolete editors note | 9.4.1 | 9.5.0 |
| 2011-06 | RAN#52 | R5-112211 | 0441 | - | Adding Band 24 to TS 36.521-1 | 9.4.1 | 9.5.0 |
| 2011-06 | RAN#52 | R5-112311 | 0442 | - | Correction to the sustained data rate tests | 9.4.1 | 9.5.0 |
| 2011-06 | RAN#52 | R5-112312 | 0443 | - | Correction to the multi-antenna transmission tests | 9.4.1 | 9.5.0 |
| 2011-06 | RAN#52 | R5-112349 | 0444 | - | Update Annex G.3.6 for spatial multiplexing test cases | 9.4.1 | 9.5.0 |
| 2011-06 | RAN#52 | R5-112412 | 0445 | - | Correction to DL RMC for Max input for UE category 2 | 9.4.1 | 9.5.0 |
| 2011-06 | RAN#52 | R5-112459 | 0446 | - | EVM window length for PRACH | 9.4.1 | 9.5.0 |
| 2011-06 | RAN#52 | R5-112460 | 0447 | - | Removal of square brackets in Annex G.5.4 | 9.4.1 | 9.5.0 |
| 2011-06 | RAN#52 | R5-112462 | 0448 | - | Test tolerances for EVM with exclusion period | 9.4.1 | 9.5.0 |
| 2011-06 | RAN#52 | R5-112808 | 0449 | - | LTE RF - UEs Demodulation and CSI Band applicability | 9.4.1 | 9.5.0 |
| 2011-06 | RAN#52 | R5-112810 | 0450 | - | Correction on test requirement of test case 6.5.2.3 | 9.4.1 | 9.5.0 |
| 2011-06 | RAN#52 | R5-112811 | 0451 | - | LTE RF - TC6.3.5.2 Change in Minimum Requirements | 9.4.1 | 9.5.0 |
| 2011-06 | RAN#52 | R5-112812 | 0452 | - | Removable of NS values for TDD | 9.4.1 | 9.5.0 |
| 2011-06 | RAN#52 | R5-112813 | 0453 | - | Correction on initial condition for test cases of 9.3.3 | 9.4.1 | 9.5.0 |
| 2011-06 | RAN#52 | R5-112814 | 0454 | - | Correction to 9.4 PMI test cases | 9.4.1 | 9.5.0 |
| 2011-06 | RAN#52 | R5-112816 | 0455 | - | Test procedure change on Tx spurious emissions test cases | 9.4.1 | 9.5.0 |
| 2011-06 | RAN#52 | R5-112850 | 0456 | - | Update of Initial conditions according to table 7.3.3-2 for the 5MHz and 10MHz bandwidths | 9.4.1 | 9.5.0 |
| 2011-06 | RAN#52 | R5-112851 | 0457 | - | Iot modelling in frequency-selective interference CQI tests | 9.4.1 | 9.5.0 |
| 2011-06 | RAN#52 | R5-112852 | 0458 | - | Correction to test procedure in 9.5.1 | 9.4.1 | 9.5.0 |
| 2011-06 | RAN#52 | R5-112859 | 0459 | - | Introduction of additional PDCCH test cases for Rel-9 | 9.4.1 | 9.5.0 |
| 2011-06 | RAN#52 | R5-112860 | 0460 | - | Introduction of additional PHICH test cases for Rel-9 | 9.4.1 | 9.5.0 |
| 2011-06 | RAN#52 | R5-112861 | 0461 | - | Introducing UE-selected subband CQI tests for Rel-9 | 9.4.1 | 9.5.0 |
| 2011-06 | RAN#52 | R5-112862 | 0462 | - | Introduction of new PMI test cases for UE-selected sub-band reporting for Rel-9 | 9.4.1 | 9.5.0 |
| 2011-06 | RAN#52 | R5-112863 | 0463 | - | Addition of a new TC for FDD MBMS performance | 9.4.1 | 9.5.0 |
| 2011-06 | RAN#52 | R5-112864 | 0464 | - | Addition of a new TC for TDD MBMS performance | 9.4.1 | 9.5.0 |
| 2011-06 | RAN#52 | R5-112866 | 0465 | - | Addition of UE category 1 coverage for single-layer spatial multiplexing transmission on antenna port 7 or 8 | 9.4.1 | 9.5.0 |
| 2011-06 | RAN#52 | R5-112870 | 0466 | - | Removal of square brackets in annex G.3.5 (Minimum test time, performance tests) | 9.4.1 | 9.5.0 |
| 2011-06 | RAN#52 | R5-112871 | 0467 | - | Update minimum requirements and test requirements for spatial multiplexing test cases | 9.4.1 | 9.5.0 |
| 2011-06 | RAN#52 | R5-112873 | 0468 | - | Test procedure change on few Rx test cases | 9.4.1 | 9.5.0 |
| 2011-09 | RAN#53 | R5-113178 | 0506 | - | RF TC 8.7.2: Correction of the ACK/NACK feedback mode | 9.5.0 | 9.6.0 |
| 2011-09 | RAN#53 | R5-113179 | 0469 | - | RF TC-s 9.3.4: Updates to minimum requirements and corrections to test procedures | 9.5.0 | 9.6.0 |
| 2011-09 | RAN#53 | R5-113180 | 0470 | - | RF: New UL RMC for 10 MHz 15RB-s | 9.5.0 | 9.6.0 |
| 2011-09 | RAN#53 | R5-113181 | 0471 | - | RF: Use of State 3A-RF | 9.5.0 | 9.6.0 |
| 2011-09 | RAN#53 | R5-113233 | 0472 | - | LTE RF: EVM Annex E correction | 9.5.0 | 9.6.0 |
| 2011-09 | RAN#53 | R5-113238 | 0473 | - | RF TC 6.3.4.2.2: Correction to SRS configuration | 9.5.0 | 9.6.0 |
| 2011-09 | RAN#53 | R5-113368 | 0474 | - | Correction in test cases of 8.2.2.1.2 and 8.5.1 | 9.5.0 | 9.6.0 |
| 2011-09 | RAN#53 | R5-113369 | 0475 | - | Correction in test cases of 9.5 | 9.5.0 | 9.6.0 |
| 2011-09 | RAN#53 | R5-113380 | 0476 | - | Update of minimum test time for PCFICH/PDCCH and PHICH tests | 9.5.0 | 9.6.0 |
| 2011-09 | RAN#53 | R5-113383 | 0477 | - | Correction of Table G.3.5-1 (minimum test time) | 9.5.0 | 9.6.0 |
| 2011-09 | RAN#53 | R5-113419 | 0478 | - | Correction for spurious emission band UE co-existence limits of Band 3 | 9.5.0 | 9.6.0 |
| 2011-09 | RAN#53 | R5-113454 | 0479 | - | Correction to test procedure in 6.5.1 | 9.5.0 | 9.6.0 |
| 2011-09 | RAN#53 | R5-113455 | 0480 | - | Correction to Minimum requirement in 6.6.2.2 | 9.5.0 | 9.6.0 |
| 2011-09 | RAN#53 | R5-113456 | 0481 | - | Correction to RMC for PDCCH/PCFICH performance requirements | 9.5.0 | 9.6.0 |
| 2011-09 | RAN#53 | R5-113458 | 0482 | - | Correction to CSI TCs | 9.5.0 | 9.6.0 |
| 2011-09 | RAN#53 | R5-113541 | 0483 | - | Introduction of Expanded 1900MHz Band (Band 25) into section 5 of 36.521-1 | 9.5.0 | 9.6.0 |
| 2011-09 | RAN#53 | R5-113596 | 0506 | - | Abbreviation update and Editorial corrections in TS 36.521-1 | 9.5.0 | 9.6.0 |
| 2011-09 | RAN#53 | R5-114000 | 0484 | - | Correction in 6.3.5.2 Power Control Relative power tolerance | 9.5.0 | 9.6.0 |
| 2011-09 | RAN#53 | R5-114001 | 0485 | - | Correction in 6.3.4.2.2 SRS time mask | 9.5.0 | 9.6.0 |
| 2011-09 | RAN#53 | R5-114002 | 0486 | - | Addition of PDSCH TDD performance tests for Low UE categories | 9.5.0 | 9.6.0 |
| 2011-09 | RAN#53 | R5-114003 | 0487 | - | Additional FDD scenarios | 9.5.0 | 9.6.0 |
| 2011-09 | RAN#53 | R5-114004 | 0488 | - | Addition of RMC-s for PDSCH performance tests for low UE categories | 9.5.0 | 9.6.0 |
| 2011-09 | RAN#53 | R5-114032 | 0489 | - | Introduction of Expanded 1900MHz Band (Band 25) into section 6 of 36.521-1 | 9.5.0 | 9.6.0 |
| 2011-09 | RAN#53 | R5-114033 | 0490 | - | Correction on TDD MBMS performance requirements for 64QAM mode | 9.5.0 | 9.6.0 |
| 2011-09 | RAN#53 | R5-114034 | 0491 | - | Correction on FDD MDMS performance requirements for 64QAM mode | 9.5.0 | 9.6.0 |
| 2011-09 | RAN#53 | R5-114038 | 0492 | - | RF TC 6.3.5.2: Consideration of band edge relaxation in test requirements | 9.5.0 | 9.6.0 |
| 2011-09 | RAN#53 | R5-114039 | 0493 | - | Band 19 A-MPR refinement | 9.5.0 | 9.6.0 |
| 2011-09 | RAN#53 | R5-114040 | 0494 | - | Test system uncertainty and TT for 6.6.3.3 additional spurious emissions NS\_07 | 9.5.0 | 9.6.0 |
| 2011-09 | RAN#53 | R5-114041 | 0495 | - | Correction to Additional Maximum Power Reduction | 9.5.0 | 9.6.0 |
| 2011-09 | RAN#53 | R5-114042 | 0496 | - | Correction to 6.3.4.2.1 PRACH time mask | 9.5.0 | 9.6.0 |
| 2011-09 | RAN#53 | R5-114043 | 0497 | - | Correction to Receiver Characteristics Minimum Requirements | 9.5.0 | 9.6.0 |
| 2011-09 | RAN#53 | R5-114044 | 0498 | - | Addition of PDSCH FDD performance tests for Low UE categories | 9.5.0 | 9.6.0 |
| 2011-09 | RAN#53 | R5-114045 | 0499 | - | Additional Rel-9 TDD scenarios | 9.5.0 | 9.6.0 |
| 2011-09 | RAN#53 | R5-114046 | 0500 | - | Update of CQI/PMI test cases | 9.5.0 | 9.6.0 |
| 2011-09 | RAN#53 | R5-114047 | 0501 | - | Update of RI test cases | 9.5.0 | 9.6.0 |
| 2011-09 | RAN#53 | R5-114048 | 0502 | - | Release dependent RMCs in PCFICH/PDCCH and PHICH tests | 9.5.0 | 9.6.0 |
| 2011-09 | RAN#53 | R5-114049 | 0503 | - | Addition of tests scenarios in Annex | 9.5.0 | 9.6.0 |
| 2011-09 | RAN#53 | R5-114073 | 0504 | - | Introduction of Expanded 1900MHz Band (Band 25) into section 7 of 36.521-1 | 9.5.0 | 9.6.0 |
| 2011-09 | RAN#53 | R5-114091 | 0505 | - | Correction to test cases 10.1 and 10.2 | 9.5.0 | 9.6.0 |
| 2011-12 | RAN#54 | R5-115112 | 0507 | - | RF: Coverage of MPR and A-MPR requirements in emissions tests | 9.6.0 | 9.7.0 |
| 2011-12 | RAN#54 | R5-115113 | 0508 | - | RF: Update to names of some RMC-s used in different releases | 9.6.0 | 9.7.0 |
| 2011-12 | RAN#54 | R5-115114 | 0509 | - | RF TC 6.2.4, 6.6.2.2, 6.6.3.3: Corrections to A-MPR related tests | 9.6.0 | 9.7.0 |
| 2011-12 | RAN#54 | R5-115115 | 0510 | - | RF TC-s 9: Corrections to UL allocation for some CQI tests | 9.6.0 | 9.7.0 |
| 2011-12 | RAN#54 | R5-115116 | 0511 | - | RF TC 6.3.5.2: Missing extreme conditions in test requirements | 9.6.0 | 9.7.0 |
| 2011-12 | RAN#54 | R5-115117 | 0512 | - | RF TC 6.2.3: Missing test requirements for band 25 | 9.6.0 | 9.7.0 |
| 2011-12 | RAN#54 | R5-115118 | 0513 | - | RF TC 6.5.2.1: Redundant conflicting IE-s in message contents | 9.6.0 | 9.7.0 |
| 2011-12 | RAN#54 | R5-115119 | 0514 | - | RF TC 6.6.3.1: Correction of reference to the connection diagram | 9.6.0 | 9.7.0 |
| 2011-12 | RAN#54 | R5-115324 | 0517 | - | LTE RF: CSI test case update | 9.6.0 | 9.7.0 |
| 2011-12 | RAN#54 | R5-115472 | 0518 | - | Corrections to the dual-layer beamforming demodulation requirements | 9.6.0 | 9.7.0 |
| 2011-12 | RAN#54 | R5-115475 | 0519 | - | Correction to Code Block Numbers | 9.6.0 | 9.7.0 |
| 2011-12 | RAN#54 | R5-115800 | 0522 | - | Delete note in PUSCH-EVM | 9.6.0 | 9.7.0 |
| 2011-12 | RAN#54 | R5-115812 | 0526 | - | RF: Corrections to tests with release dependent requirements | 9.6.0 | 9.7.0 |
| 2011-12 | RAN#54 | R5-115815 | 0527 | - | Test Frequency for Relative Power Tolerance | 9.6.0 | 9.7.0 |
| 2011-12 | RAN#54 | R5-115821 | 0531 | - | RF: General review of the reference measurement channels | 9.6.0 | 9.7.0 |
| 2011-12 | RAN#54 | R5-115822 | 0532 | - | Correction for codebook subset restriction in single-layer closed loop spatial multiplexing test | 9.6.0 | 9.7.0 |
| 2011-12 | RAN#54 | R5-115830 | 0533 | - | Uncertainties and Test Tolerances for 3000MHz to 4200MHz, Tx Test cases | 9.6.0 | 9.7.0 |
| 2011-12 | RAN#54 | R5-115831 | 0534 | - | Uncertainties and Test Tolerances for 3000MHz to 4200MHz, Rx Test cases | 9.6.0 | 9.7.0 |
| 2011-12 | RAN#54 | R5-115832 | 0535 | - | Support for band 22, 42 and 43 | 9.6.0 | 9.7.0 |
| 2011-12 | RAN#54 | R5-115837 | 0536 | - | Update LTE RF test cases with test requirements for FDD LTE Band 23 in 36.521-1 | 9.6.0 | 9.7.0 |
| 2011-12 | RAN#54 | R5-115875 | 0537 | - | Correction on FDD and TDD MBMS conformance requirements | 9.6.0 | 9.7.0 |
| 2011-12 | RAN#54 | R5-115877 | 0538 | - | Introduction of test system uncertainties and TT to new TCs in clauses 9.3.4 to 9.4.2.2.2 | 9.6.0 | 9.7.0 |
| 2011-12 | RAN#54 | R5-115879 | 0539 | - | Uncertainties and Test Tolerances for Sustained data rate test cases | 9.6.0 | 9.7.0 |
| 2011-12 | RAN#54 | R5-115891 | 0540 | - | Requirement change in UE spurious emissions for Band 7 and 38 co-existence (Rel-8 only) | 9.6.0 | 9.7.0 |
| 2011-12 | RAN#54 | R5-115162 | 0515 | - | Definitions, symbols and abbreviations for CA RF | 9.7.0 | 10.0.0 |
| 2011-12 | RAN#54 | R5-115565 | 0520 | - | In-band blocking for CA (New) | 9.7.0 | 10.0.0 |
| 2011-12 | RAN#54 | R5-115568 | 0521 | - | Spurious Response for CA (New) | 9.7.0 | 10.0.0 |
| 2011-12 | RAN#54 | R5-115801 | 0523 | - | Out-of-Band blocking for CA (new) | 9.7.0 | 10.0.0 |
| 2011-12 | RAN#54 | R5-115802 | 0524 | - | Narrow band blocking for CA (new) | 9.7.0 | 10.0.0 |
| 2011-12 | RAN#54 | R5-115803 | 0525 | - | Addition of new RMCs for CA feature related Chapter8 test cases | 9.7.0 | 10.0.0 |
| 2011-12 | RAN#54 | R5-115816 | 0528 | - | General Section for CA RF | 9.7.0 | 10.0.0 |
| 2011-12 | RAN#54 | R5-115817 | 0529 | - | Frequency Band and Channel Assignments for CA RF | 9.7.0 | 10.0.0 |
| 2011-12 | RAN#54 | R5-115818 | 0530 | - | UE Maximum Output Power for intra-band contiguous CA (new) | 9.7.0 | 10.0.0 |
| 2012-03 | RAN#55 | R5-120134 | 0541 | - | RF: General clarification on the count of ACK / NACKs in throughput calculation in CQI tests | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120137 | 0542 | - | RF: Corrections to message contents in some MIMO demodulation performance tests | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120138 | 0543 | - | RF: Updates to handling requirements and tests for different releases | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120140 | 0544 | - | RF: Coverage of MPR and A-MPR requirements in Tx emissions tests | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120243 | 0545 | - | Tx Test cases Uplink power limit window for 3000MHz to 4200MHz | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120244 | 0546 | - | Rx Test cases Uplink power limit window for 3000MHz to 4200MHz | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120252 | 0547 | - | Global in-channel TX-test, delete note | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120288 | 0548 | - | LTE RF - Update of abbreviations and addition of RBstart | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120314 | 0549 | - | Clarification for the starting point of RB in 6.3.5.2 Relative Power test | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120338 | 0550 | - | Correction to MCS value in Table A.4-3 | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120343 | 0551 | - | Introduction of new maximum input level test case for CA | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120351 | 0552 | - | CA RF - Changes in aggregated CC configurations | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120355 | 0553 | - | CA RF - updates to 7.7A Spurious response for CA | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120370 | 0554 | - | Test Tolerance for 6.6.3.3 additional spurious emissions NS\_07 | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120426 | 0555 | - | Correction to Frequency Range for Spurious Emission Requirements | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120521 | 0556 | - | Introduction to Maximum Power Reduction for CA | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120524 | 0557 | - | Introduction to Maximum Power Reduction for CA in Annex | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120526 | 0558 | - | Introduction to Adjacent Channel Leakage power Ratio (ACLR) for CA in Annex | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120801 | 0559 | - | Correction of TC 6.5.2.1 Error Vector Magnitude (EVM) for Test requirement | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120802 | 0560 | - | Correction of TC 8.2.1.3.1 FDD PDSCH Open Loop Spatial Multiplexing 2x2 for 8.2.1.3.1.4.1 Initial conditions | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120803 | 0561 | - | Correction of TC8.2.1.3.2 FDD PDSCH Open Loop Spatial Multiplexing 4x2 for 8.2.1.3.2.4.1 Initial conditions | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120804 | 0562 | - | Correction of TC 8.2.2.3.1 TDD PDSCH Open Loop Spatial Multiplexing 2x2 for 8.2.2.3.1.4.1 Initial conditions | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120805 | 0563 | - | Correction of TC 8.2.2.3.2 TDD PDSCH Open Loop Spatial Multiplexing 4x2 for 8.2.2.3.2.4.1 Initial conditions | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120816 | 0564 | - | Addition of frequency band and channel assignments for UL MIMO | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120825 | 0565 | - | Introduction of Chapter8 Single antenna port and Open loop spatial Multiplexing test cases for CA capable UE's. | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120828 | 0566 | - | LTE RF - UE Co-ex test point clarification for bands 7 and 38 | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120833 | 0567 | - | Addition of receiver image section 7.10 | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120835 | 0568 | - | Correction to Reporting of Rank Indicator (RI) FDD Test | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120837 | 0569 | - | Introduction to Adjacent Channel Leakage power Ratio (ACLR) for CA | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120839 | 0570 | - | Addition of a new TC 6.2.2B for UE Maximum Output Power for UL-MIMO | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120842 | 0571 | - | Harmonic exceptions in LTE UE to UE co-existence tests | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120843 | 0572 | - | Clarification for upper and lower interferers in 7.6.3 Narrow Band Blocking | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120844 | 0573 | - | RF: Correction of frequency range for out of band blocking test | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120845 | 0574 | - | Correction and completion to clause 10 MBMS performance | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120874 | 0575 | - | RF: New RMC-s and updates to the RMC-s overview tables | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120875 | 0576 | - | RF: Test frequencies for UE co-existence emissions under Note 13 | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120877 | 0577 | - | UE Transmit OFF power for CA | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120878 | 0578 | - | Frequency error for Intraband CA | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120879 | 0579 | - | Occupied bandwidth for intra-band contiguous CA | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120880 | 0580 | - | Transmitter Spurious emissions for CA | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120881 | 0581 | - | Reference sensitivity level for CA | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120882 | 0582 | - | CA RF - Addition of test description to 6.2.2A MOP for intra-band CA | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120884 | 0583 | - | CA RF - updates to 7.6.2A OOB blocking for CA | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120885 | 0584 | - | CA RF - updates to 7.6.3A Narrow-band blocking for CA | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120899 | 0585 | - | CA RF - updates to 7.6.1A In-band Blocking for CA | 10.0.0 | 10.1.0 |
| 2012-03 | RAN#55 | R5-120900 | 0586 | - | Correction to UE Spurious Emissions | 10.0.0 | 10.1.0 |
| 2012-06 | RAN#56 | R5-121138 | 0588 | - | Correction of TC 6.3.5.2 Power Control Relative power tolerance | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121155 | 0589 | - | Correction in test configuration table of sections 7.4 and 7.5 | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121206 | 0590 | - | Correction of test procedure for intermodulation | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121208 | 0591 | - | Correction of test procedure for out-of-band blocking | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121221 | 0592 | - | Relative frequency error for CA performance tests | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121241 | 0593 | - | RF: Corrections to derivation of test requirements for some test points of TC 6.2.4 | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121242 | 0594 | - | RF: Updates to Annex I (Handling of different releases) | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121253 | 0595 | - | RF: Clarification of test frequencies for UE co-existence emissions under Note 13 | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121254 | 0596 | - | RF: Minor correction to RMC reference in minimum test time annex for TC 8.3.2.1.3 | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121305 | 0597 | - | Removal of test description from Transmit off power for CA and introducing ON/OFF time mask for CA | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121322 | 0598 | - | Update of 6.3.4.2.2 | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121337 | 0599 | - | Clarifications to Maximum Power Reduction for CA | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121438 | 0600 | - | Modification to Configured UE transmitted Output Power | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121451 | 0601 | - | Correction of the Band 23 for UE coexistence requirements | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121459 | 0602 | - | Correction of RF Test case: 8.7.2.1 TDD sustained data rate performance | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121463 | 0603 | - | Introduction of Adjacent Channel Selectivity (ACS) for CA | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121475 | 0604 | - | LTE CA general updates to sections 3 - 5 | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121479 | 0605 | - | CA RF - TC 6.2.2A MOP updates | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121482 | 0606 | - | CA RF - 7.6.1A In-band blocking updates | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121483 | 0607 | - | CA RF - 7.6.2A Out-of-band blocking updates | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121484 | 0608 | - | CA RF - 7.6.3A Narrow-band blocking updates | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121485 | 0609 | - | CA RF - 7.7A Spurious response updates | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121488 | 0610 | - | LTE RF - TC 6.6.3.2 UE co-existence requirements correction | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121523 | 0611 | - | Correction to downlink RB allocation in 7.5.4 | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121525 | 0612 | - | Correction to test requirement in 9.2.2.2 | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121678 | 0613 | - | TS 36.521-1: Spurious emission band UE co-existence alignment | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121680 | 0614 | - | TS 36.521-1: Applicability correction for 9.3.2.1.1 and 9.3.2.1.2 | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121700 | 0615 | - | Suffix definition of Clause 5 for CA, UL-MIMO, and DL-MIMO for 36.521-1 R-10 | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121903 | 0616 | - | Update of Band 41 RF requirements to align with recent core specification changes | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121906 | 0617 | - | TS 36.521-1: Introduction of Band 26/XXVI in section 5 | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121907 | 0618 | - | TS 36.521-1: Band 26 Test points for A-MPR test | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121909 | 0619 | - | CA RF - Adding contents to TC 6.2.4A A-MPR for CA | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121918 | 0620 | - | TS 36.521-1: Introduction of Band 26/XXVI in section 6 | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121920 | 0621 | - | Corrections of test parameters and test procedure for ACS | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121921 | 0622 | - | TS 36.521-1: Introduction of Band 26/XXVI in section 7 | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121925 | 0623 | - | CA RF - addition of test case 8.7.2.1A TDD sustained data rate performance for CA | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121937 | 0624 | - | A-MPR: Band 20, NS\_10 not tested | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121938 | 0625 | - | RF: Several corrections to sustained data rate TC-s 8.7.1 and 8.7.2 | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121939 | 0626 | - | RF: Corrections to CSI tests | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121944 | 0627 | - | Addition of a new TC 6.3.3B | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121945 | 0628 | - | Addition of a new TC 6.3.2B for Minimum Output Power for UL-MIMO | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121946 | 0629 | - | Addition of a new TC 6.3.4B | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121947 | 0630 | - | Addition of a new TC 6.5.1B for Frequency Error for UL-MIMO | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121948 | 0631 | - | Addition of a new TC 6.6.1B | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121949 | 0632 | - | Addition of a new TC 6.7B | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121950 | 0633 | - | Addition of a new TC for Configured transmitted power for UL-MIMO | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121951 | 0634 | - | Addition of a new TC for Power Control Absolute Power Tolerance for UL-MIMO | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121955 | 0635 | - | SEM for CA | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121956 | 0636 | - | Addition of a new TC for Carrier leakage for UL-MIMO | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121957 | 0637 | - | Addition of a new TC for In-band emissions for non allocated RB for UL-MIMO | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121958 | 0638 | - | Addition of a new TC for EVM equalizer spectrum flatness for UL-MIMO | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121959 | 0639 | - | Addition of a new TC for Reference sensitivity level for UL-MIMO | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121960 | 0640 | - | Addition of a new TC for Maximum input level for UL-MIMO | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121961 | 0641 | - | Addition of a new TC for Adjacent Channel Selectivity (ACS) for UL-MIMO | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121962 | 0642 | - | Addition of a new TC for In-band blocking for UL-MIMO | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121963 | 0643 | - | Addition of a new TC for Narrow band blocking for UL-MIMO | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121964 | 0644 | - | Addition of a new TC for Wide band Intermodulation for UL-MIMO | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121983 | 0645 | - | Introduction of Chapter8 Single antenna port and Open loop spatial Multiplexing TDD test cases for CA capable UEs | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121984 | 0646 | - | EVM and Global In-Channel TX-Test for intra band CA | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121985 | 0647 | - | RF: Corrections to applicability of some CA tests | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121986 | 0648 | - | Addition of test description to Occupied bandwidth for CA | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121987 | 0649 | - | Addition of test description to ACLR for CA | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121988 | 0650 | - | Addition of test description to Transmitter Spurious emissions for CA | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121989 | 0651 | - | Addition of test description to Reference sensitivity level for CA | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121994 | 0652 | - | Addition of Codebook Subset Restriction in 8.3.2.x | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121995 | 0653 | - | Update of 6.3.5.2 | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121996 | 0654 | - | TS 36.521-1: 9.4.1.2.1 and 9.4.1.2.2.1 test procedure correction | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-121997 | 0655 | - | TS 36.521-1: Minimum conformance requirements alignments for section 9 | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-122003 | 0656 | - | Addition of a new TC for Out-of-band blocking for UL-MIMO | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-122004 | 0657 | - | Addition of a new TC for Spurious response for UL-MIMO | 10.1.0 | 10.2.0 |
| 2012-06 | RAN#56 | R5-122006 | 0658 | - | Addition of a new TC for Error Vector Magnitude for UL-MIMO | 10.1.0 | 10.2.0 |
| 2012-09 | RAN#57 | R5-123136 | 0659 | - | Correction of TC 6.3.5.2 | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123146 | 0660 | - | Corrections to Transmitter Characteristics Requirements | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123148 | 0661 | - | Correction to SNR definition | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123150 | 0662 | - | RF: Several editorial corrections | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123161 | 0663 | - | RF: PDCCH Padding in Rx spurious emissions test | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123179 | 0664 | - | Introduction of eDL-MIMO to Propagation Conditions | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123209 | 0665 | - | RF: Alignment of RMC references in test procedure of CSI tests | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123234 | 0666 | - | LTE RF - Correction to 7.4 and 7.5 UL allocations | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123239 | 0667 | - | Addition of test description to CA Maximum input level test case | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123267 | 0668 | - | Correction to Occupied bandwidth for CA | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123268 | 0669 | - | Correction to Reference sensitivity level for CA | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123324 | 0670 | - | New Annex for: Statistical testing of receiver performance with throughput for CA | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123330 | 0671 | - | Correction to test parameters in 6.6.3.2 | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123332 | 0672 | - | Update of section 8 uncertainties and Test Tolerances for Rel-9 Tests | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123333 | 0673 | - | Clarification of RB allocation for DRS demodulation tests | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123334 | 0674 | - | Correction to uplink reference measurement channel | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123386 | 0675 | - | Addition of a new TC for power control relative power tolerance for UL-MIMO | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123387 | 0676 | - | Addition of a new TC for aggregate power control tolerance for UL-MIMO | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123392 | 0677 | - | Update carrier frequency and EARFCN | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123394 | 0678 | - | Update test case of UE maximum output power for UL-MIMO | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123395 | 0679 | - | Update test case of configured UE transmitted output power for UL-MIMO | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123397 | 0680 | - | Update test case of power control absolute power tolerance for UL- MIMO | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123507 | 0681 | - | Editorial corrections to blocking characteristics for CA | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123510 | 0682 | - | ACLR for UL-MIMO | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123521 | 0683 | - | TS 36.521-1: A-MPR and additional spurious corrections | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123522 | 0684 | - | TS 36.521-1: UL allocation clarification in PUSCH-EVM with exclusion period test | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123523 | 0685 | - | TS 36.521-1: Section 9 applicability revision (UE categories) | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123534 | 0687 | - | TS 36.521-1:A-MPR Test tolerances update for NS\_12, NS\_13, NS\_14, NS\_15 | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123547 | 0688 | - | Correction to the content of reference table number for TC 7.8.1 | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123783 | 0689 | - | Corrections to EVM and global in channel test for Intra-Band CA | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123850 | 0690 | - | Correction to ONOFF time mask for CA | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123851 | 0691 | - | Correction to Transmitter Spurious emissions for CA | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123852 | 0692 | - | New Annex for: Statistical testing of receiver characteristics with CA | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123853 | 0693 | - | Introduction of eDL-MIMO to measurement of performance requirements | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123854 | 0694 | - | Addition of a new TC for additional maximum power reduction (A-MPR) for UL-MIMO | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123855 | 0695 | - | Additional texts for Note2 in Spurious emission test | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123857 | 0696 | - | Additions to test requirements for Maximum Power Reduction for CA | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123859 | 0697 | - | Addition of a new TC for time alignment between transmitter branches for UL-MIMO | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123900 | 0698 | - | Changes associated with PHS band operation change for LTE | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123901 | 0699 | - | TS 36.521-1: PDSCH RMC for Rel-9 PCFICH test cases | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123902 | 0700 | - | TS 36.521-1:Adding missing UL RMCs for test 9.4.1.2.2 | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123910 | 0701 | - | MPR for UL-MIMO | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123911 | 0702 | - | SEM for UL-MIMO | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123912 | 0703 | - | ADDITIONAL SEM for UL-MIMO | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123915 | 0704 | - | RF: Update of Annex I | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123917 | 0705 | - | Correction of test procedure for 36.521-1 chapter 8 CA test cases | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123919 | 0706 | - | TS 36.521-1: New test cases for CQI reporting under fading conditions - PUCCH 1-0 | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123932 | 0707 | - | RF: Updates to transmission mode 8 test cases | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123933 | 0708 | - | RF: Several corrections to MBMS performance tests | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123934 | 0709 | - | Addition of RF Test case: 8.7.2.1\_1 TDD sustained data rate performance (Rel-10 and forward) | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123943 | 0710 | - | Introduction of FDD PMI Reporting - PUSCH 1-2 (Multiple PMI) for eDL-MIMO | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123944 | 0711 | - | Introduction of TDD PMI Reporting - PUSCH 1-2 (Multiple PMI) for eDL-MIMO | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123945 | 0712 | - | FDD RI Reporting for eDL-MIMO | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123946 | 0713 | - | TDD RI Reporting for eDL-MIMO | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123947 | 0714 | - | Introduction of eDL-MIMO to CSI Reference Measurement Channels | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123948 | 0715 | - | Introduction of eDL-MIMO to structure of subclauses | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123950 | 0716 | - | RF-CA: Introduction of new specification structure for Tx tests for CA | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123951 | 0717 | - | CA RF - TC 6.2.2A update | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123952 | 0718 | - | CA RF - Updates to Blocking Test Cases | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123953 | 0719 | - | CA RF - TC 7.7A Spurious Response update | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123954 | 0720 | - | New RF TC for 36.521-1 \_ 6.3.5A.1 Power Control Absolute power tolerance for CA | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123955 | 0721 | - | New RF TC for 36.521-1 \_ 6.3.5A.2 Power Control Relative power tolerance for CA | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123956 | 0722 | - | Correction to Transmit OFF power for CA | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123957 | 0723 | - | Adjusting test procedure and test requirements to new Annex G.3A | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123958 | 0724 | - | Update of Test case 8.7.2.1A TDD sustained data rate performance for CA | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123961 | 0725 | - | Corrections to A-MPR for CA | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123962 | 0726 | - | Additions to test description for Adjacent Channel Selectivity (ACS) for CA | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123963 | 0727 | - | Introduction to UE configured transmitted output power for CA | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123964 | 0728 | - | Introduction of ACS and UE configured Tx output power for CA in Annex | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123969 | 0729 | - | Introduction Single-Layer Spatial Multiplexing for eDL-MIMO | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123970 | 0730 | - | updates to 6.6.2.1A SEM for CA | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123977 | 0731 | - | Addition of a new TC6.6.3B.1 for Transmitter Spurious emissions for UL-MIMO | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123978 | 0732 | - | Addition of a new TC6.6.3B.2 for Spurious emission band UE co-existence for UL-MIMO | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123979 | 0733 | - | Addition of a new TC6.6.3B.3 for Additional spurious emissions for UL-MIMO | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123980 | 0734 | - | Addition of a new TC for narrow band blocking for UL-MIMO | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123981 | 0735 | - | Update test case of general ON OFF time mask for UL-MIMO | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123982 | 0736 | - | Update test case of frequency error for UL-MIMO | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123983 | 0737 | - | Update test case of Error Vector Magnitude (EVM) for UL- MIMO | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123984 | 0738 | - | Update test case of carrier leakage for UL-MIMO | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123985 | 0739 | - | Update test case of in-band emissions for non allocated RB for UL-MIMO | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123986 | 0740 | - | Update test case of EVM equalizer spectrum flatness for UL-MIMO | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123987 | 0741 | - | Update test case of reference sensitivity level for UL-MIMO | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123988 | 0742 | - | Update test case of maximum input level for UL-MIMO | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123989 | 0743 | - | Update test case of in-band blocking for UL-MIMO | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123990 | 0744 | - | Update test case of out-of-band blocking for UL-MIMO | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123991 | 0745 | - | Update test case of spurious response for UL-MIMO | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123992 | 0746 | - | Update test case of wide band Intermodulation for UL-MIMO | 10.2.0 | 10.3.0 |
| 2012-09 | RAN#57 | R5-123994 | 0747 | - | Update test case of Adjacent Channel Selectivity (ACS) for UL-MIMO | 10.2.0 | 10.3.0 |
| 2012-12 | RAN#58 | R5-125109 | 0749 | - | Update of TC6.6.3B.2 for Spurious emissions band UE co-existence for UL-MIMO | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125110 | 0750 | - | Update of TC6.6.3B.3 for Additional spurious emissions for UL-MIMO | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125146 | 0751 | - | Corrections to Test Procedure of TC 6.6.2.3 ACLR | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125147 | 0752 | - | Updates for TC 6.2.3B MPR for UL-MIMO | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125148 | 0753 | - | Updates for TC 6.6.2.1B SEM for UL-MIMO | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125149 | 0754 | - | Updates for TC 6.6.2.2B A-SEM for UL-MIMO | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125150 | 0755 | - | Updates for TC 6.6.2.3B ACLR for UL-MIMO | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125215 | 0756 | - | Correction of TC 6.6.2.1 | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125252 | 0757 | - | Adding normative reference for core requirements in TC 6.2.4 | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125253 | 0758 | - | Adding normative reference for core requirements for many section 9 tests | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125254 | 0759 | - | Correction of table references in sub clause G.X | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125260 | 0760 | - | CR to TC 7.4A: Splitting the CA Maximum input level test case | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125263 | 0761 | - | RF Cl G.3A: General corrections and completion of Annex G.3A with TDD tests | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125304 | 0762 | - | Updates for Minimum requirements of 6.2.5 Configured UE transmitted Output Power | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125309 | 0763 | - | Addition of Band 28 definition to Chap.5 | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125311 | 0764 | - | Addition of Band 28 to 6.2.2 MOP | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125314 | 0765 | - | Addition of Band 28 to 7.3 Refsens | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125321 | 0766 | - | Updates for TC6.6.1A: Occupied bandwidth for CA | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125322 | 0767 | - | Updates for TC6.6.2.3A: ACLR for CA | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125323 | 0768 | - | Updates for TC6.6.3.1A: Transmitter Spurious emissions for CA | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125346 | 0769 | - | TC 6.2.4A.1 A-MPR for CA updates | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125351 | 0770 | - | Correction to LTE Rx TCs UL allocation location | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125365 | 0771 | - | Uncertainties and Test Tolerances for Rel-9 CQI Reporting under fading conditions, PUCCH 1-0 Tests | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125374 | 0772 | - | Clean up of Tx tests | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125405 | 0773 | - | Addition of 15MHz and 20MHz Bandwidths for Band 23 | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125407 | 0774 | - | RF TC 6.6.3.2: Clarification and corrections | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125417 | 0775 | - | Additions to test description for TC 7.5A.1 Adjacent Channel Selectivity (ACS) for CA (intra-band contiguous DL CA and UL CA) | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125422 | 0776 | - | Introduction to CA\_1 & CA\_40 TC 7.5A.2 Adjacent Channel Selectivity (ACS) for CA (intra-band contiguous DL CA without UL CA) | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125443 | 0777 | - | Corrections of RMC for receiver characteristics | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125445 | 0778 | - | Corrections of FRC subframe allocations for performance requirements | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125450 | 0779 | - | Introduction of TC 9.2.2.1\_D FDD CQI Reporting under AWGN conditions - PUCCH 1-1 for eDL-MIMO | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125451 | 0780 | - | Introduction of TC 9.2.2.2\_D TDD CQI Reporting under AWGN conditions - PUCCH 1-1 for eDL-MIMO | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125452 | 0781 | - | Introduction of TC 9.3.2.2.1\_D FDD CQI Reporting under fading conditions - PUCCH 1-1 for eDL-MIMO | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125453 | 0782 | - | Introduction of TC 9.3.2.2.2\_D TDD CQI Reporting under fading conditions - PUCCH 1-1 for eDL-MIMO | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125454 | 0783 | - | Additions of eDL-MIMO to Annex A | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125455 | 0784 | - | Additions of eDL-MIMO to Annex B Propagation Conditions for eDL-MIMO | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125456 | 0785 | - | Additions of eDL-MIMO to Annex F | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125463 | 0786 | - | Additions to TC 9.4.2.1.1\_D FDD PMI Reporting - PUSCH 1-2 (Multiple PMI) for eDL-MIMO | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125464 | 0787 | - | Additions to TC 9.4.2.1.2\_D TDD PMI Reporting - PUSCH 1-2 (Multiple PMI) for eDL-MIMO | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125465 | 0788 | - | Additions to TC 9.5.1.1\_D FDD RI Reporting for eDL-MIMO | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125466 | 0789 | - | Additions to TC 9.5.1.2\_D TDD RI Reporting for eDL-MIMO | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125593 | 0790 | - | RF TC 6.2.4: Minor correction to test points for NS\_15 | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125594 | 0791 | - | RF TC 6.2.4B: Minor correction to test points for NS\_15 | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125610 | 0792 | - | TS 36-521-1: MPR correction for band 26 | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125801 | 0793 | - | Updates of 6.3.3A UE Transmit OFF power for CA | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125802 | 0794 | - | Update of Annex F in 36.521-1 | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125803 | 0795 | - | Updates for 6.3.4A ON/OFF time mask for CA | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125804 | 0796 | - | Addition of Transmitter test case - Transmit intermodulation for CA | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125835 | 0797 | - | Update of TC6.6.3B.1 for Transmitter Spurious emissions for UL-MIMO | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125851 | 0798 | - | Introduction of TC 8.3.1.2.1\_D FDD PDSCH Dual-layer Spatial Multiplexing for eDL-MIMO | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125852 | 0799 | - | Introduction of TC 8.3.2.2.1\_D TDD PDSCH Dual-layer Spatial Multiplexing for eDL-MIMO | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125853 | 0800 | - | Additions to Annex G for eDL-MIMO | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125854 | 0801 | - | Corrections to Annex H for eDL-MIMO | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125855 | 0802 | - | Additions to TC 8.3.2.1.2\_D TDD Single-Layer Spatial Multiplexing on antenna ports without a simultaneous transmission for eDL-MIMO | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125856 | 0803 | - | Additions to TC 8.3.2.1.3\_D TDD Single-Layer Spatial Multiplexing on antenna ports with a simultaneous transmission for eDL-MIMO | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125857 | 0804 | - | Introduction of Band 27 to TS 36.521-1 | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125858 | 0805 | - | Updates to TC 8.2.2.3.1\_A.1 for CA | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125859 | 0806 | - | Addition of new test case 8.2.1.4.2\_A.1 for CA | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125860 | 0807 | - | Addition of new test case 8.2.2.4.2\_A.1 for CA | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125861 | 0808 | - | Addition of sustained downlink data rate TC 8.7.1.1\_A.1 for CA | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125862 | 0809 | - | Addition of sustained downlink data rate TC 8.7.1.1\_A.2 for CA | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125866 | 0810 | - | Update of RF TC for 36.521-1 \_ 6.3.5A.2.1 Power Control Relative power tolerance for CA | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125867 | 0811 | - | Update TC 6.6.3.2\_1 Spurious emission band UE co-existence(Release 9 and forward) | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125868 | 0812 | - | Correction to test applicability in 6.2.4 A-MPR test case | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125869 | 0813 | - | Correction to test parameter in Perf 8.2.1 of 36.521-1 | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125870 | 0814 | - | Clarification of AG level for 8.7 sustained data rate test of 36.521-1 | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125871 | 0815 | - | Correction to SNR test points in test procedure | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125872 | 0816 | - | Clarification of random precoding granularity | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125873 | 0817 | - | Update of General sections for CA | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125874 | 0818 | - | Introduction to CA\_1-5 TC 7.5A.3 Adjacent Channel Selectivity (ACS) for CA (inter-band DL CA without UL CA) | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125875 | 0819 | - | Addition of a new TC 6.3.5A.3.1 Aggregate power control tolerance for CA(intra-band contiguous DL CA and UL CA) | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125876 | 0820 | - | Addition of a new TC 6.6.3.2A.1 Spurious emission band UE co-existence for CA(intra-band contiguous DL CA and UL CA) | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125890 | 0821 | - | Addition of Band 28 to 6.6.3.2 Spurious emission band UE co-existence | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125891 | 0822 | - | Addition of Band 28 to 6.6.3.3 Additional spurious emissions | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125892 | 0823 | - | UE output power definition for UL-MIMO | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125893 | 0824 | - | Update TC 6.2.4B Additional maximum power reduction (A-MPR) for UL-MIMO | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125894 | 0825 | - | Update TC 6.5.2B.1 Error vector magnitude (EVM) for UL-MIMO | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125895 | 0826 | - | Update TC 6.2.5B Configured transmitted output power for UL-MIMO | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125896 | 0827 | - | Update TC 7.3B Reference sensitivity level for UL-MIMO | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125897 | 0828 | - | Update TC 7.4B Maximum input level for UL-MIMO | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125898 | 0829 | - | Update TC 7.5B Adjacent Channel Selectivity (ACS) for UL-MIMO | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125899 | 0830 | - | Update TC 7.6.1B In-band blocking for UL-MIMO | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125900 | 0831 | - | Update TC 7.6.2B Out-of-band blocking for UL-MIMO | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125901 | 0832 | - | Update TC 7.6.3B Narrow band blocking for UL-MIMO | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125902 | 0833 | - | Update TC 7.7B Spurious response for UL-MIMO | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125903 | 0834 | - | Update TC 7.8.1B Wide band intermodulation for UL-MIMO | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125906 | 0835 | - | New RF TC for 36.521-1\_8.2.1.2.3\_Enhanced ICIC for LTE | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125907 | 0836 | - | New RF TC for 36.521-1\_8.4.1.2.3\_Enhanced ICIC for LTE | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125908 | 0837 | - | TDD CQI Reporting under AWGN conditions-PUCCH 1-0-Demod subframe overlaps with aggressor cell ABS (eICIC) | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125909 | 0838 | - | TDD PHICH Transmit Diversity 2x2-Demod subframe overlaps with aggressor cell ABS (eICIC) | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125910 | 0839 | - | TDD PDSCH Open Loop Spatial Multiplexing 2x2 Demod subframe overlaps with aggressor cell ABS (eICIC) | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125924 | 0841 | - | CR to 8.2.1.1.1\_A: Correction to an average throughput measurement | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125925 | 0842 | - | CR to 8.2.1.3.1\_A: Correction to an average throughput measurement | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125931 | 0844 | - | Additions to test description TC 6.2.5A.1 and 6.2.5A.2 including CA\_1A-19A and CA\_1A-21A updates | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125932 | 0845 | - | Updates for TC7.3A: Reference sensitivity level for CA including CA\_41C, CA\_1-19 and CA\_1-21 | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125934 | 0846 | - | Update of RF TC for 36.521-1 \_ 6.3.5A.1.1 Power Control Absolute power tolerance for CA | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-125935 | 0847 | - | Updates for TC6.5.1A: Frequency error for CA | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-126043 | 0849 | - | Updates for 5.2A operating bands for CA\_7, CA\_38, CA\_41, CA\_1-18, CA\_1-19, CA\_1-21, CA\_2-17, CA\_3-5, CA\_3-7, CA\_3-8, CA\_3-20, CA\_4-12, CA\_4-13, CA\_4-17, CA\_4-20 | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-126044 | 0850 | - | Updates for 5.4.2A channel bandwidth for CA\_7, CA\_38, CA\_41, CA\_1-18, CA\_1-19, CA\_1-21, CA\_2-17, CA\_3-5, CA\_3-7, CA\_3-8, CA\_3-20, CA\_4-12, CA\_4-13, CA\_4-17, CA\_4-20 | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-126063 | 0840 | - | Update of Perf 8.7.1.1 and 8.7.2.1 of 36.521-1 | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-126065 | 0843 | - | Clarification of RB position in 9.4.1 and 9.4.2 | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-126066 | 0848 | - | Update of minimum test time in Annex G.3.5 | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-124010 | 0851 | - | RF Cl 8.1.1: Update of the CA capability table | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-124013 | 0852 | - | RF Cl 8.7.2.1A: Update of test structure according to the work plan | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-124082 | 0853 | - | Correction to TC 7.5.1 Adjacent Channel Selectivity (ACS) | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-124116 | 0854 | - | Addition to test description for SEM for CA | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-124123 | 0855 | - | Addition to minimum requirement for TC 6.5.2A.3.1 in-band emissions for non allocated RB for CA | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-124125 | 0856 | - | TC 6.2.2A.1 UE MOP for CA updates | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-124126 | 0857 | - | CR to Annex G.3A.5: Minimum number of samples for CA performance tests | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-124131 | 0858 | - | Additions to test case for TC 6.2.3A.1 Maximum Power Reduction (MPR) for CA (intra-band contiguous DL CA and UL CA) | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-124133 | 0859 | - | Introduction to TC 6.6.3.3A.1 Additional spurious emissions for CA (intra-band contiguous DL CA and UL CA) | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-124139 | 0860 | - | TC 6.3.2A.1 Minimum Output Power for CA introduction | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-124149 | 0861 | - | RF TC 8.2.2.1.1\_A: Adjusting test procedure and requirements to completed Annex G.3A | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-124160 | 0862 | - | TC 7.6.1A.x In-band blocking for CA introduction | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-124163 | 0863 | - | TC 7.6.2A.x Out-of-band blocking for CA introduction | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-124164 | 0864 | - | TC 7.6.3A.x Narrow-band blocking for CA introduction | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-124165 | 0865 | - | TC 7.7A.x Spurious response for CA introduction | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-124166 | 0866 | - | Addition of Receiver test case - Wideband intermodulation for CA | 10.3.0 | 10.4.0 |
| 2012-12 | RAN#58 | R5-124186 | 0867 | - | RF: Addition of references to connection diagrams in CA tests | 10.3.0 | 10.4.0 |
| 2013-03 | RAN#59 | R5-130092 | 0851 | - | Updates of 6.6.3.3 - Addition of Low-channel Band 1 coexistence with PHS condition | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130105 | 0854 | - | Update of TC6.6.3B.2 for Spurious emissions band UE co-existence for UL-MIMO | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130125 | 0856 | - | Update of TC6.6.3B.3 for Additional spurious emissions for UL-MIMO | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130128 | 0857 | - | Update TC 6.2.4B Additional Maximum Power Reduction (A-MPR) for UL-MIMO | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130129 | 0858 | - | Update TC 6.3.5B.1 Power control absolute power tolerance for UL-MIMO | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130130 | 0859 | - | Update TC 6.3.5B.2 Power Control Relative power tolerance for UL-MIMO | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130131 | 0860 | - | Update TC 6.3.5B.3 Aggregate power control tolerance for UL-MIMO | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130132 | 0861 | - | Update TC 6.5.2B.2 Carrier leakage for UL-MIMO | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130133 | 0862 | - | Update TC 6.3.2B Minimum Output Power for UL-MIMO | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130134 | 0863 | - | Update TC 6.6.1B Occupied bandwidth for UL-MIMO | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130135 | 0864 | - | Update TC 6.7B Transmit intermodulation for UL-MIMO | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130176 | 0869 | - | Introduction of new rel-10 Reporting of RI test cases into annexes | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130182 | 0870 | - | CA RF: Correction to Annex I | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130183 | 0871 | - | UL-MIMO RF: Correction to Annex I | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130184 | 0872 | - | eICIC RF: Correction to Annex I | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130185 | 0873 | - | eDL-MIMO RF: Correction to Annex I | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130188 | 0874 | - | RF: Correction to TC 8.2.1.1.1 - Frequency range for partial allocation | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130245 | 0877 | - | Additions to TC 6.6.2.3A.1 Adjacent Channel Leakage power Ratio for CA (intra-band contiguous DL CA and UL CA) | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130273 | 0880 | - | Corrections to Annex A DL Reference Measurement and PMI Accuracy Measurements | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130285 | 0881 | - | Correction to TC 8.3.2.1.3 TDD PDSCH Single-layer Spatial Multiplexing on antenna port 7 or 8 with a simultaneous transmission | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130288 | 0882 | - | Addition to TC 9.2.2.2\_D TDD CQI Reporting under AWGN conditions - PUCCH 1-1 for eDL-MIMO | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130291 | 0883 | - | Addition to TC 9.3.2.2.2\_D TDD CQI Reporting under fading conditions " PUCCH 1-1 for eDL-MIMO | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130292 | 0884 | - | Additions to TC 9.4.2.1.1\_D FDD PMI Reporting - PUSCH 1-2 (Multiple PMI) for eDL-MIMO | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130293 | 0885 | - | Additions to TC 9.4.2.1.2\_D TDD PMI Reporting - PUSCH 1-2 (Multiple PMI) for eDL-MIMO | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130298 | 0886 | - | CA RF: Correction to TC 7.6.1A | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130299 | 0887 | - | Uncertainties and Test Tolerances for Test case 7.4A | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130308 | 0888 | - | Corrections to test procedure of TC 6.2.2 UE Maximum Output Power | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130309 | 0889 | - | Corrections to test purpose of TC 6.2.3 Maximum Power Reduction (MPR) | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130310 | 0890 | - | Correction to test procedure of TC 6.7A.1 Transmit Intermodulation for CA | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130407 | 0894 | - | Correction to test requirement of 6.2.4A | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130408 | 0895 | - | Correction to test procedure in 6.3.5A.1 | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130411 | 0896 | - | Correction to test procedure in 6.6.2.3A | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130413 | 0897 | - | Correction to 7.6.3A.3 test procedure | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130415 | 0898 | - | Correction to 6.6.3.2A and 6.6.3.3A | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130416 | 0899 | - | Correction to 6.6.3B.2 and 6.6.3B.3 | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130419 | 0900 | - | Correction to 9.3.4 UE-selected subband CQI | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130421 | 0901 | - | Correction to wideband CQI-samples | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130427 | 0902 | - | Update of minimum test time in Annex G.5.4 | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130471 | 0905 | - | Update of spurious emission test cases for introduction of Japanese Regulatory Requirements for LTE Band 8 | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130779 | 0875 | 1 | CA RF: Clarification on Cell ID | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130780 | 0903 | 1 | Correction to 941 and 942 | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130801 | 0908 | - | Additions of CA RF test cases to Annex F | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130804 | 0909 | - | Correction to 6.6.3.2 and 6.6.3.3 | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130806 | 0911 | - | Update TC 6.6.3.2 Spurious emission band UE co-existence | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130808 | 0912 | - | CA RF - SCC configuration references | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130809 | 0913 | - | CA RF Rx - Update of blocking characteristics | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130811 | 0915 | - | LTE RF - Correction to LTE Rx TCs UL allocation location | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130901 | 0916 | - | Update of TC 8.7.2.1\_A.1 TDD sustained data rate performance for CA (intra-band contiguous DL CA) | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130902 | 0917 | - | Editorial correction for ON/OFF time mask for CA | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130903 | 0918 | - | Correction to Band 12 frequency for CA\_4-12 | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130908 | 0920 | - | Additions of eDL-MIMO to Annex A.4 CQI Reference Measurement Channels | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130909 | 0921 | - | Introduction of TC 8.3.1.1.1\_D FDD Single-Layer Spatial Multiplexing on antenna ports without a simultaneous transmission for eDL-MIMO | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130910 | 0922 | - | Introduction of FDD TC 8.3.1.1.2\_D FDD Single-Layer Spatial Multiplexing on antenna ports with a simultaneous transmission for eDL-MIMO | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130911 | 0923 | - | Additions to TC 8.3.1.2.1\_D FDD PDSCH Dual-layer Spatial Multiplexing for eDL-MIMO | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130912 | 0924 | - | Additions to TC 8.3.2.2.1\_D TDD PDSCH Dual-layer Spatial Multiplexing for eDL-MIMO | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130913 | 0925 | - | Additions to TC 8.3.2.1.2\_D TDD Single-Layer Spatial Multiplexing on antenna ports without a simultaneous transmission for eDL-MIMO | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130914 | 0926 | - | Additions to TC 8.3.2.1.3\_D TDD Single-Layer Spatial Multiplexing on antenna ports with a simultaneous transmission for eDL-MIMO | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130924 | 0934 | - | Update RF TC for 36.521-1\_8.2.1.2.3\_C FDD PDSCH Transmit div 2x2 Enhanced ICIC for LTE | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130925 | 0935 | - | Update RF TC for 36.521-1\_8.4.1.2.3\_C FDD PCFICH PDCCH Transmit div 2x2 Enhanced ICIC for LTE | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130935 | 0937 | - | SNR uncertainty | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130936 | 0938 | - | Introduction of new rel-10 Reporting of RI test cases | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130937 | 0939 | - | RF: Corrections to Annex H - Default uplink settings | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130938 | 0940 | - | Update of TC 8.7.2.1\_1 TDD sustained data rate performance (Rel-10 and forward) | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130939 | 0941 | - | Clarification to Soft Channel Bit size used by SS and UE | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130940 | 0942 | - | Correction to sustained data rate performance test | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130941 | 0943 | - | Clean up on performance tests | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130944 | 0944 | - | Update TC 6.3.5A.3.1 Aggregate power control tolerance for CA (intra-band contiguous DL CA and UL CA) | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130945 | 0945 | - | Update TC 6.6.3.2A.1 Spurious emission band UE co-existence for CA (intra-band contiguous DL CA and UL CA) | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130946 | 0946 | - | Additions to TC 6.2.5A.1 Configured UE transmitted Power for CA (intra-band contiguous DL CA and UL CA) | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130947 | 0947 | - | Additions to TC 6.6.3.3A.1 Additional spurious emissions for CA (intra-band contiguous DL CA and UL CA) | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130948 | 0948 | - | Additions to TC 7.5A.1 Adjacent Channel Selectivity (ACS) for CA (intra-band contiguous DL CA and UL CA) | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130949 | 0949 | - | Additions to TC 7.5A.2 Adjacent Channel Selectivity (ACS) for CA (intra-band contiguous DL CA without UL CA) | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130950 | 0950 | - | Additions to TC 7.5A.3 Adjacent Channel Selectivity (ACS) for CA (inter-band contiguous DL CA without UL CA) | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130951 | 0951 | - | Correction to test point of Frequency Error for CA and addition of TC for intra-band contiguous DL CA without UL CA | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130961 | 0955 | - | Channel matrix impairments for eDL-MIMO CSI tests | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130965 | 0957 | - | TC 9.4.1.1.1\_D FDD Reporting of PMI - PUSCH 3-1 (Single PMI) for eDL-MIMO | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130966 | 0958 | - | TC 9.4.1.1.2\_D TDD Reporting of PMI -PUSCH 3-1 (Single PMI) for eDL-MIMO | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130967 | 0959 | - | Additions of eDL-MIMO to Annex C Measurement of Performance Requirements | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130968 | 0960 | - | Additions of eDL-MIMO test cases to Annex F | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130969 | 0961 | - | Additions to Annex G for eDL-MIMO | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130970 | 0962 | - | Addition to TC 9.2.2.1\_D FDD CQI Reporting under AWGN conditions - PUCCH 1-1 for eDL-MIMO | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130971 | 0963 | - | Addition to TC 9.3.2.2.1\_D FDD CQI Reporting under fading conditions - PUCCH 1-1 for eDL-MIMO | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130972 | 0964 | - | Additions to TC 9.5.1.1\_D FDD RI Reporting for eDL-MIMO | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130973 | 0965 | - | Additions to TC 9.5.1.2\_D TDD RI Reporting for eDL-MIMO | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130978 | 0966 | - | Correcting TS 36.521-1 to reflect changes in 36.101 | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130979 | 0967 | - | Correction of RF conformance Test case: 8.2.1.3.3 | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130980 | 0968 | - | Addition new TC 8.2.2.3.3 TDD PDSCH Open Loop Spatial Multiplexing 2x2-Demod subframe overlaps with aggressor cell ABS (eICIC) | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130994 | 0969 | - | Corrections to 7.8.1A Wideband intermodulation for CA | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130998 | 0970 | - | TC 9.3.1.2.1\_D FDD CQI Reporting under fading conditions - PUSCH 3-1 for eDL-MIMO | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130999 | 0971 | - | TC 9.3.1.2.2\_D TDD CQI Reporting under fading conditions - PUSCH 3-1 for eDL-MIMO | 10.4.0 | 10.5.0 |
| 2013-03 | RAN#59 | R5-130093 | 0852 | - | Updates of 5.2A Operating bands for CA\_11-18 | 10.5.0 | 11.0.0 |
| 2013-03 | RAN#59 | R5-130094 | 0853 | - | Updates of 5.4.2A Channel bandwidth combination for CA\_11-18 | 10.5.0 | 11.0.0 |
| 2013-03 | RAN#59 | R5-130124 | 0855 | - | Additions to the inter-band relaxation term for CA 3A-8A in Table 6.2.5A.1.3-3 | 10.5.0 | 11.0.0 |
| 2013-03 | RAN#59 | R5-130140 | 0865 | - | Update TC 7.3A.3 Reference sensitivity level for CA\_3-7 and CA\_7-20 (inter-band DL CA without UL CA) | 10.5.0 | 11.0.0 |
| 2013-03 | RAN#59 | R5-130141 | 0866 | - | Update TC 7.6.2A.1 Out-of-band blocking for CA\_38 (intra-band contiguous DL CA and UL CA) | 10.5.0 | 11.0.0 |
| 2013-03 | RAN#59 | R5-130142 | 0867 | - | Update TC 6.2.2A.1 UE Maximum Output Power for CA\_38 (intra-band contiguous DL CA and UL CA) | 10.5.0 | 11.0.0 |
| 2013-03 | RAN#59 | R5-130144 | 0868 | - | Update TC 6.2.4A.1 Additional Maximum Power Reduction (A-MPR) for CA\_38 (intra-band contiguous DL CA and UL CA) | 10.5.0 | 11.0.0 |
| 2013-03 | RAN#59 | R5-130239 | 0876 | - | Updates of 6.2.5A - inter-band relaxation term for CA\_1A-18A and CA\_11A-18A | 10.5.0 | 11.0.0 |
| 2013-03 | RAN#59 | R5-130257 | 0878 | - | Addition of TDD operating band 44 in receiver characteristic test cases | 10.5.0 | 11.0.0 |
| 2013-03 | RAN#59 | R5-130258 | 0879 | - | Addition of TDD operating band 44 in transmitter characteristic test cases | 10.5.0 | 11.0.0 |
| 2013-03 | RAN#59 | R5-130329 | 0891 | - | Updates for 7.6.1A.1 in-band blocking for CA\_7 and CA\_41 | 10.5.0 | 11.0.0 |
| 2013-03 | RAN#59 | R5-130330 | 0892 | - | Updates for 7.6.2A.1 Out-of-band blocking for CA\_7 and CA\_41 | 10.5.0 | 11.0.0 |
| 2013-03 | RAN#59 | R5-130348 | 0972 | - | Correction to Spurious emission band UE co-existence and Additional spurious emissions for Band 28 | 10.5.0 | 11.0.0 |
| 2013-03 | RAN#59 | R5-130349 | 0893 | - | Addition of Band 28 to MPR and A-MPR | 10.5.0 | 11.0.0 |
| 2013-03 | RAN#59 | R5-130769 | 0907 | - | Updates of Refsens for inter-band CA test points for CA\_1A-19A and CA\_1A-21A | 10.5.0 | 11.0.0 |
| 2013-03 | RAN#59 | R5-130783 | 0906 | - | Update TC 6.2.3A.1 Maximum Power Reduction (MPR) for CA\_38 (intra-band contiguous DL CA and UL CA) | 10.5.0 | 11.0.0 |
| 2013-03 | RAN#59 | R5-130805 | 0910 | - | Update TC 7.3A.1 Reference sensitivity level for CA\_38, CA\_3-7 and CA\_7-20 (intra-band contiguous DL CA and UL CA) | 10.5.0 | 11.0.0 |
| 2013-03 | RAN#59 | R5-130810 | 0914 | - | CA\_2-17 and CA\_4-17 addition to 36.521-1 Rx characteristics | 10.5.0 | 11.0.0 |
| 2013-03 | RAN#59 | R5-130905 | 0919 | - | Addition of TDD operating band 44 in chapter 5 | 10.5.0 | 11.0.0 |
| 2013-03 | RAN#59 | R5-130915 | 0927 | - | Addition of band 38 and band 41 in intra-band contiguous CA transmitter test cases | 10.5.0 | 11.0.0 |
| 2013-03 | RAN#59 | R5-130916 | 0928 | - | Update TC 7.6.1A.1 In-band blocking for CA\_38 (intra-band contiguous DL CA and UL CA) | 10.5.0 | 11.0.0 |
| 2013-03 | RAN#59 | R5-130917 | 0929 | - | Addition of Inter Band CA combo CA\_2A-29A | 10.5.0 | 11.0.0 |
| 2013-03 | RAN#59 | R5-130918 | 0930 | - | Update of 6.2.5A Configured transmitted power for CA | 10.5.0 | 11.0.0 |
| 2013-03 | RAN#59 | R5-130919 | 0931 | - | CA\_2-17 and CA\_4-17 addition to 36.521-1 Tx characteristics | 10.5.0 | 11.0.0 |
| 2013-03 | RAN#59 | R5-130920 | 0932 | - | Adding transmit power relaxation value for inter-band CA configurations CA\_4A-5A and CA\_4A-13A | 10.5.0 | 11.0.0 |
| 2013-03 | RAN#59 | R5-130921 | 0933 | - | Adding refsens relaxation value for inter-band CA configurations CA\_4A-5A and CA\_4A-13A | 10.5.0 | 11.0.0 |
| 2013-03 | RAN#59 | R5-130926 | 0936 | - | Updates for 6.6.2.1A Spectrum emission mask for CA for CA\_7 and CA\_41 | 10.5.0 | 11.0.0 |
| 2013-03 | RAN#59 | R5-130956 | 0952 | - | Updates for 7.3A.1 Reference sensitivity level for CA\_7C | 10.5.0 | 11.0.0 |
| 2013-03 | RAN#59 | R5-130957 | 0953 | - | Updates for 6.2.2A UE Maximum Output Power for CA\_7 and CA\_41 | 10.5.0 | 11.0.0 |
| 2013-03 | RAN#59 | R5-130958 | 0954 | - | Updates of 7.3A - Reference sensitivity level for CA\_11A-18A | 10.5.0 | 11.0.0 |
| 2013-03 | RAN#59 | R5-130964 | 0956 | - | Adding Band 27 to TS 36.521-1 | 10.5.0 | 11.0.0 |
| 2013-03 | RAN#59 | - | - | - | Correction of missing small changes of R5-130806 in Table 6.6.3.2.3-1, 6.6.3.2.5-1, 6.6.3.2\_1.3-1 and 6.6.3.2\_1.5-1. | 11.0.0 | 11.0.1 |
| 2013-06 | RAN#60 | R5-131147 | 0974 | - | Updates to Chapter7 for Inter Band CA combo CA\_2A-29A | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131149 | 0975 | - | New chap8 TDD TC 8.2.2.2.3\_C for eICIC | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131150 | 0976 | - | New chap 8 TDD TC 8.4.2.2.3\_C for eICIC | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131153 | 0977 | - | Introduction of new rel-11 Reporting of RI test cases | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131154 | 0978 | - | Introduction of new rel-11 Reporting of RI test cases into annexes | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131156 | 0979 | - | Correction to TC 8.4.1.1 test procedure | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131158 | 0980 | - | Introduction of Maximum Input Level test case for CA (inter-band DL CA without UL CA) into annexes | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131210 | 0981 | - | Correction of test applicability for TC 8.2.1.1.1\_1: TC 8.2.1.2.1\_1 and TC 8.3.2.1.1\_1 in 36.521-1 | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131222 | 0982 | - | Update of TC6.6.3B.1 for Transmitter Spurious emissions for UL-MIMO | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131226 | 0983 | - | Clarification to test procedure on applying timing offset between CCs for Chap8 inter-band CA test cases | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131238 | 0984 | - | Update TC 6.2.4A.1 Additional Maximum Power Reduction (A-MPR) for CA\_38C (intra-band contiguous DL CA and UL CA) | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131241 | 0985 | - | Update TC 7.3A.1 Reference sensitivity level for CA\_4A-12A (intra-band contiguous DL CA and UL CA) | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131242 | 0986 | - | Update TC 7.3A.3 Reference sensitivity level for CA\_4A-12A (inter-band DL CA without UL CA) | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131245 | 0987 | - | Update TT of 6.3.5A.3.1 Aggregate power control tolerance for CA (intra-band contiguous DL CA and UL CA) | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131289 | 0988 | - | Uncertainties and Test Tolerances for CA spectrum emission mask | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131358 | 0989 | - | RF: Corrections to RMC-s for sustained data rate test | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131379 | 0990 | - | CA RF - Corrections to 6.2.4A.1 requirements | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131381 | 0991 | - | LTE RF - Editorial correction to 8.2.2.4.2\_1 | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131415 | 0992 | - | Updates for 6.6.1A Occupied bandwidth for CA\_41C | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131450 | 0993 | - | Addition of band44 in MPR for UL-MIMO | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131473 | 0994 | - | References to wrong section in TS 36.508 | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131518 | 0995 | - | Corrections to Common Test Parameters User-Specific | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131519 | 0996 | - | Corrections to Beamforming Model Parameters | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131521 | 0997 | - | Corrections to Reporting of Channel State Requirements | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131522 | 0998 | - | Corrections to Reporting of Precoding Matrix Indicator Requirements | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131527 | 0999 | - | Additions to Annex G for eDL-MIMO | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131528 | 1000 | - | Additions of eDL-MIMO test cases to Annex F | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131539 | 1001 | - | LTE RF: Minor changes to test case 7.5A.3 | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131540 | 1002 | - | LTE-RF: Clarification to 7.6.1A.3 test procedure | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131541 | 1003 | - | Corrections to TC 6.6.2.3A.1 Adjacent Channel Leakage power Ratio for CA (intra-band contiguous DL CA and UL CA) | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131545 | 1004 | - | Additions to TC 9.2.3.1\_D for FDD CQI reporting under AWGN conditions - PUCCH 1-1 for eDL-MIMO | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131546 | 1005 | - | LTE-RF: Corrections to CA Open Loop Spatial Multiplexing Performance test cases | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131553 | 1006 | - | Additions to TC 9.2.3.2\_D for TDD CQI reporting under AWGN conditions - PUCCH 1-1 for eDL-MIMO | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131555 | 1007 | - | Additions to TC 9.3.1.2.2\_D for TDD CQI reporting under fading conditions - PUSCH 3-1 for eDL-MIMO | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131559 | 1008 | - | Additions to TC 9.3.2.2.2\_D for TDD CQI reporting under fading conditions - PUCCH 1-1 for eDL-MIMO | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131561 | 1009 | - | Update of 6.2.5A - Delta TIB for CA\_11A-18A | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131562 | 1010 | - | Additions to TC 9.4.1.3.2\_D for TDD reporting of PMI-PUSCH 3-1 (Single PMI) for eDL-MIMO | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131563 | 1011 | - | Update of 7.3A - Delta RIB for CA\_11A-18A | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131567 | 1012 | - | Additions to TC 9.4.2.3.2\_D for TDD PMI reporting - PUSCH 1-2 (Multiple PMI) for eDL-MIMO | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131569 | 1013 | - | Additions to TC 9.5.2.2\_D for TDD RI reporting - PUCCH 1-1 for eDL-MIMO | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131634 | 1014 | - | Removal of Spurious emission UE co-existence test case 6.6.3.2\_1 from annex F | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131649 | 1015 | - | Adding Band28 in some Receiver test cases in section 7 | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131677 | 1016 | - | Correction to the contents of the chapter 5. | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131711 | 1017 | - | Corrections to test procedure of TC 7.5B Adjacent Channel Selectivity (ACS) for UL-MIMO | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131900 | 1018 | - | RF: Correction of Imcs for CQI index 10 (15 RBs) | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131901 | 1019 | - | Corrections to Frequency non-selective scheduling mode | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131902 | 1020 | - | Correction to the missing title of Rel-9 close loop tests | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131903 | 1021 | - | Correction to the references of connection diagrams | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131904 | 1022 | - | Maintenance of Band 23 additional regulatory requirements | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131905 | 1023 | - | Realignment of A-MPR Configuration Tables for Band 27 in TS 36.521-1 | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131906 | 1024 | - | Update on General section of Tx and Rx for Cell IDs | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131907 | 1025 | - | LTE RF: Initial conditions update for test 6.2.5A.2 | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131908 | 1026 | - | CA RF: Alignment for inter-band Rx tests with DL tested only as S-Cell | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131909 | 1027 | - | 36.521-1: Inter-band CA operating bands update | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131911 | 1028 | - | Updates for 7.7A.1 Spurious response for CA | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131915 | 1029 | - | Additions to TC 9.3.1.2.1\_D for FDD CQI reporting under fading conditions - PUSCH 3-1 for eDL-MIMO | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131916 | 1030 | - | Additions to TC 9.3.2.2.1\_D for FDD CQI reporting under fading conditions - PUCCH 1-1 for eDL-MIMO | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131917 | 1031 | - | Additions to TC 9.4.1.3.1\_D for FDD reporting of PMI - PUSCH 3-1 (Single PMI) for eDL-MIMO | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131918 | 1032 | - | Additions to TC 9.4.2.3.1\_D for FDD PMI reporting - PUSCH 1-2 (Multiple PMI) for eDL-MIMO | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131919 | 1033 | - | Additions to TC 9.5.2.1\_D for FDD RI reporting - PUCCH 1-1 for eDL-MIMO | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131920 | 1034 | - | Adding Band28 in some Transmitter test cases in section 6 | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131921 | 1035 | - | New RF TC for 36.521-1\_8.5.1.2.3\_C.1\_Enhanced ICIC for LTE | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131929 | 1036 | - | Update TT of 6.2.2B\_6.2.3B\_6.2.4B and 6.2.5B for UL-MIMO | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131930 | 1037 | - | Update TT of 6.3.2B\_6.3.3B and 6.3.4B for UL-MIMO | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131931 | 1038 | - | Update TT of 6.3.5B.1\_6.3.5B.2 and 6.3.5B.3 for UL- MIMO | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131932 | 1039 | - | Update TT of 6.5.1B\_6.5.2B.1\_6.5.2B.2\_6.5.2B.3\_6.5.2B.4 for UL-MIMO | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131933 | 1040 | - | Update TT of 6.6.1B Occupied bandwidth for UL-MIMO | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131934 | 1041 | - | Update TT of 6.6.2.1B\_6.6.2.2B and 6.6.2.3B for UL- MIMO | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131935 | 1042 | - | Update TT of 6.7B Transmit intermodulation for UL-MIMO | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131936 | 1043 | - | Update TT of 6.8B Time alignment error for UL-MIMO | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131937 | 1044 | - | Update TT of 7.3B Reference sensitivity level for UL-MIMO | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131952 | 1045 | - | Corrections to TC 6.2.5A.1 Configured UE transmitted Power for CA (intra-band contiguous DL CA and UL CA) | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131954 | 1046 | - | Maintenance of Band 23 Spurious Emissions Requirements | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131955 | 1047 | - | Corrections to Demodulation Requirements | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131956 | 1048 | - | Updates to sustained data rate test case | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131957 | 1049 | - | New RF TC for 36.521-1\_9.2.1.3\_C.1\_Enhanced ICIC for LTE | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131958 | 1050 | - | RF: Structure clean-up for chapter 9 (including eICIC and eDL-MIMO tests) | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131959 | 1051 | - | Update TT of 7.4B\_7.5B\_7.6.1B\_7.6.2B\_7.6.3B\_7.7B and 7.8.1B for UL-MIMO | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131960 | 1052 | - | Update of TC6.6.3B.3 for Additional spurious emissions for UL-MIMO | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131961 | 1053 | - | Update of TC6.6.3B.2 for Spurious emissions band UE co-existence for UL-MIMO | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131962 | 1054 | - | Updates of 6.2.2.3 - maximum output power for UE that supports both Band 18 and 26 | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131963 | 1055 | - | Update of 6.2.4 Test points for A-MPR when NS\_05 is signalled | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131964 | 1056 | - | Updates of 7.3.3 - Refsens for UE that supports both Band 18 and Band 26 | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131969 | 1057 | - | CA RF: Alignment for tests with PCC and SCC switching | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131971 | 1059 | - | Introduction of Maximum Input Level test case for CA (inter-band DL CA without UL CA) | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131972 | 1060 | - | Addition of Maximum input level for inter-band CA and updates to test configuration for some Rx TCs | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131973 | 1061 | - | Updates to FDD sustained data rate test case for CA | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131974 | 1062 | - | Clarification on Time offset between cells | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131975 | 1063 | - | Update TC 6.2.3A.1 Maximum Power Reduction (MPR) for CA (intra-band contiguous DL CA and UL CA) | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131976 | 1064 | - | Update of UE co-existence requirement for CA | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131977 | 1065 | - | Update TC 6.2.5A.1 Configured UE transmitted Output Power for CA\_3A-7A, CA\_4A-12A and CA\_7A-20A (intra-band contiguous DL CA and UL CA) | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131978 | 1066 | - | Updates for 6.2.4A A-MPR for CA\_41C | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131979 | 1067 | - | Updates for 7.5A.1 Adjacent Channel Selectivity (ACS) for CA\_41C | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131980 | 1068 | - | Updates for 7.6.1A.1 in-band blocking for CA\_41C | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131981 | 1069 | - | Updates for 7.6.2A.1 Out-of-band blocking for CA\_41C | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131982 | 1070 | - | Updates for 7.6.3A.1 Narrow band blocking for CA\_41C | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131983 | 1071 | - | Updates for 7.8.1A.1 Wideband intermodulation for CA\_41C | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131985 | 1072 | - | Update of CA refsens test 7.3A for inter-band CA configurations CA\_4A-5A and CA\_4A-13A | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131987 | 1073 | - | Addition of band 44 in MPR | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-131990 | 1074 | - | CA\_1A-18A, CA\_2A-17A, CA\_3A-8A, CA\_4A-5A, CA\_4A-13A, CA\_4A-17A, CA\_11A-18A addition and corrections to Reference Sensitivity TC 7.3A | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-132079 | 1058 | - | Corrections to TC 6.6.3.3A.1 Additional spurious emissions for CA (intra-band contiguous DL CA and UL CA) | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-132080 | 1075 | - | CA RF - Corrections to Blocking Characteristics in 7.6 | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-132103 | 1076 | - | Change Spurious emission UE co-existence test cases to align with release independence rule | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-132105 | 1077 | - | CA RF: Corrections to message contents with regard to transmission mode | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-132110 | 1078 | - | Updated test points test case 6.2.3 A-MPR for NS\_15 band26 | 11.0.1 | 11.1.0 |
| 2013-06 | RAN#60 | R5-132113 | 1079 | - | New test cases for LTE B14 public safety high power UE | 11.0.1 | 11.1.0 |
| 2013-09 | RAN#61 | R5-133070 | 1080 | - | Correction to test points in Additional Spurious Emissions Coexistence test case | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133073 | 1081 | - | LTE Type A performance requirements - Changes to clause 3 | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133074 | 1082 | - | LTE Type A performance requirements - Changes to clause 8.1.1 | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133075 | 1083 | - | LTE Type A performance requirements - Changes to Annex A | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133076 | 1084 | - | LTE Type A performance requirements - Introduction of Annex B.5 | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133077 | 1085 | - | LTE Type A performance requirements - Introduction of the new test case 9.3.5.1.1. | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133232 | 1086 | - | Corrections to CA TC 6.5.2A.3 | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133247 | 1087 | - | Addition of Band 31 to 36.521-1 General s05 | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133248 | 1088 | - | Addition of Band 31 to 36.521-1 RX s07 | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133249 | 1089 | - | Addition of Band 31 to 36.521-1 TX s06 | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133252 | 1090 | - | RF: Minor correction to test points for spurious emissions UE co-existence | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133258 | 1091 | - | Update TC 7.3A.3 Reference sensitivity level for CA\_5A-12A (inter-band DL CA without UL CA) | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133261 | 1092 | - | Update the minimum requirements of TCs 7.6.3A.1, 7.7A.1 and 7.8.1A.1 for CA | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133262 | 1093 | - | Update TC 6.6.3B.2 of Spurious emission band UE co-existence for UL-MIMO | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133263 | 1094 | - | Update TCs 6.2.2B and 6.2.5B for UL-MIMO | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133265 | 1095 | - | RF: Addition of missing UL-RMC-s for Tx testing | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133266 | 1096 | - | Correction of TCs 7.3 and 7.3B Reference sensitivity level for Band 27 | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133268 | 1097 | - | CA RF: Addition of new CQI tests for CA | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133298 | 1098 | - | Correction to Spurious emission band UE co-existence | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133415 | 1099 | - | Correction to the repeat steps in 7.6.1A, 7.6.3A and 7.8.1A | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133418 | 1100 | - | Correction to CA sustained data rate performance test | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133423 | 1101 | - | Correction to eICIC Performance test cases | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133425 | 1102 | - | Correction to UE category in Tx test cases | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133426 | 1103 | - | Correction to Spurious emission band UE co-existence | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133431 | 1104 | - | Correction to MBMS Performance test cases | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133474 | 1105 | - | Update TC of 8.7.2.1\_A.1 TDD sustained data rate performance for CA (intra-band contiguous DL CA) | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133517 | 1106 | - | Adding the minimum channel spacing for intra-band non-contiguous CA | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133522 | 1107 | - | Corrections to Annex F for Maintenance of Band 23 | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133523 | 1108 | - | Corrections to description for definition of MIMO Correlation Matrices using cross polarized antennas | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133524 | 1109 | - | Corrections to UE maximum output power for CA | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133525 | 1110 | - | Corrections to General Maintenance of Operating Bands and Channel Arrangements | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133532 | 1111 | - | Introduction of eICIC\_enh\_LTE to Annex C | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133534 | 1112 | - | Corrections to TC 6.6.2.3A.1 Adjacent Channel Leakage power Ratio for CA (intra-band contiguous DL CA and UL CA) | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133535 | 1113 | - | Corrections to TC 7.5A.1 Adjacent Channel Selectivity (ACS) for CA (intra-band contiguous DL CA and UL CA) | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133800 | 1114 | - | Correction to test frequency in Additional Spurious Emissions test cases for NS\_15 | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133801 | 1115 | - | Update applicability of test cases 9.4.2.2.1 and 9.4.2.2.2 | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133802 | 1116 | - | Correction to applicability for TDD-TM8 test cases | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133803 | 1117 | - | Editorial correction to 6.6.3.3 Additional spurious emissions | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133804 | 1118 | - | Correction the Minimum conformance requirements for test case 6.2.2B | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133805 | 1119 | - | CA RF: Adding missing DL-RMC-s | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133806 | 1120 | - | Update TC of 8.2.1.1 FDD PDSCH Single Antenna Port Performance (Cell-Specific Reference Symbols) for CA | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133807 | 1121 | - | Update TC of 8.2.1.4 FDD PDSCH Closed Loop Spatial Multiplexing Performance (Cell-Specific Reference Symbols) for CA | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133808 | 1122 | - | Addition of new TC 8.2.1.4.2\_A.2 for FDD PDSCH Closed Loop Multi Layer Spatial Multiplexing 4x2 for CA (inter band DL CA) | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133811 | 1123 | - | Update of CA TC 7.3A.1 | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133812 | 1124 | - | Update of CA TC 7.4A.1 | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133819 | 1125 | - | Correction of applicability for FDD RF TCs 9.3.4.1.1, 9.3.4.2.1 & 9.4.1.2.1and TDD RF TCs 9.3.4.1.2, 9.3.4.2.2 & 9.4.1.2.2 | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133823 | 1126 | - | Introduction of eICIC\_enh\_LTE to Annex A to reference measurement channels for PDCCH/PCFICH | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133824 | 1127 | - | Introduction of eICIC\_enh\_LTE to Annex A DL reference measurement channels | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133828 | 1128 | - | Corrections to 6.2.4 A-MPR for Maintenance of Band 23 | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133829 | 1129 | - | Corrections to Transmitter Characteristics Maintenance | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133830 | 1130 | - | Alignment of test configuration tables (test frequencies) in Additional Spurious Emissions tests cases | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133831 | 1131 | - | Corrections to Receiver Characteristics Maintenance | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133832 | 1132 | - | Corrections to 6.6.2.2 Additional Spectrum Emission Mask for Maintenance of Band 23 | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133833 | 1133 | - | Updates to Chapter7 for Inter Band CA combo CA\_4A-29A | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133838 | 1134 | - | Update Minimum Requirements of TCs 6.2.4 and 6.2.5 | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133845 | 1135 | - | Correction to Configured UE transmitted output power for CA | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133846 | 1136 | - | Corrections to TC 6.2.5A.2 Configured UE transmitted Power for CA (inter-band DL CA without UL CA) | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133847 | 1137 | - | Updates to Wideband intermodulation for CA test cases | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133850 | 1138 | - | Correction to measurement target of CA Rx test cases | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133851 | 1139 | - | Corrections to TC 7.5A.2 Adjacent Channel Selectivity (ACS) for CA (intra-band contiguous DL CA without UL CA) | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133852 | 1140 | - | Update TC of 8.7.1.1\_A.1 FDD Sustained data rate performance for CA (intra band contiguous DL CA) | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133853 | 1141 | - | Update TC of 8.7.1.1\_A.2 FDD Sustained data rate performance for CA (inter band DL CA) | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133854 | 1142 | - | Updates of Annex for CA test cases | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133863 | 1143 | - | Clarification on Bandwidth Combination Set for Carrier Aggregation Transmitter tests | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133865 | 1144 | - | Update TC 6.2.5A.1 Configured UE transmitted Output Power for CA\_5A-12A (intra-band contiguous DL CA and UL CA) | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133866 | 1145 | - | Update the minimum requirements of TCs 7.5A.1, 7.6.1A.1 and 7.6.2A.1 for CA | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133867 | 1146 | - | Update TC 7.3A.1 Reference sensitivity level for CA (intra-band contiguous DL CA and UL CA) | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133869 | 1147 | - | Addition of Refsens for intra-band non-contiguous CA | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133870 | 1148 | - | Update TC 7.3A.3 reference sensitivity level for CA\_3-8 (inter-band DL CA without UL CA) | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133871 | 1149 | - | Test cases and test system uncertainty for LTE B14 public safety highpower UE | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133873 | 1150 | - | Addition of new TC 8.3.1.1.3 for FDD PDSCH Single-layer Spatial Multiplexing on antenna ports 7 or 8 with TM9 Interference Model | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133874 | 1151 | - | Addition of new TC 8.3.2.1.4 for TDD PDSCH Single-layer Spatial Multiplexing on antenna ports 7 or 8 with TM9 Interference Model | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133886 | 1152 | - | eICIC RF: Addition of new RI tests and OCNG patterns for eICIC | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133887 | 1153 | - | Update of CA TC 6.2.3A and TC 6.2.4A | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133888 | 1154 | - | CA RF: Corrections to reference sensitivity requirements for CA | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133889 | 1155 | - | Correction to Test Requirement in 7.3A.3 | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133890 | 1156 | - | Update TC of 8.2.1.3 FDD PDSCH Open Loop Spatial Multiplexing Performance (Cell-Specific Reference Symbols)for CA | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133898 | 1157 | - | Clarification on Bandwidth Combination Set for Carrier Aggregation Receiver tests | 11.1.0 | 11.2.0 |
| 2013-09 | RAN#61 | R5-133899 | 1158 | - | Addition of CA TC 6.6.2.2A | 11.1.0 | 11.2.0 |
| 2013-12 | RAN#62 | R5-134130 | 1159 | - | RF: Corrections to the notes in the band UE co-existence requirements table | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134131 | 1160 | - | RF: Corrections to sustained data rate test case | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134132 | 1161 | - | RF: Clean-up of uplink reference measurement channels | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134139 | 1162 | - | eICIC RF: Corrections to PHICH demodulation test | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134161 | 1163 | - | Corrections to Transmitter Requirements for Intra-band Non-contiguous CA | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134169 | 1164 | - | Introduction of I.2.6 Tests for feICIC (Further Enhanced Non CA- based ICIC for LTE) | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134170 | 1165 | - | Introduction of TC 8.2.1.2.3\_E.1 FDD PDSCH Transmit diversity 2x2 for feICIC (non-MBFSN ABS) | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134171 | 1166 | - | Introduction of TC 8.2.2.2.3\_E.1 TDD PDSCH Transmit diversity 2x2 for feICIC (non-MBSFN ABS) | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134172 | 1167 | - | Introduction of TC 8.2.1.4.1\_E.1 FDD PDSCH Closed Loop Single Layer Spatial Multiplexing 2x2 for feICIC (non-MBSFN ABS) | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134173 | 1168 | - | Introduction of TC 8.2.2.4.1\_E.1 TDD PDSCH Closed Loop Single Layer Spatial Multiplexing 2x2 for feICIC (non-MBSFN ABS) | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134174 | 1169 | - | Introduction of TC 8.4.1.2.3\_E.1 FDD PCFICH/PDCCH Transmit Diversity 2x2 for feICIC (non-MBSFN ABS) | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134175 | 1170 | - | Introduction of TC 8.4.1.2.3\_E.2 FDD PCFICH/PDCCH Transmit Diversity 2x2 for feICIC (MBSFN ABS) | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134176 | 1171 | - | Introduction of TC 8.4.2.2.3\_E.1 TDD PCFICH/PDCCH Transmit Diversity 2x2 for feICIC (non-MBSFN ABS) | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134177 | 1172 | - | Introduction of TC 8.4.2.2.3\_E.2 TDD PCFICH/PDCCH Transmit Diversity 2x2 for feICIC (MBSFN ABS) | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134178 | 1173 | - | Introduction of Demodulation feICIC Test Cases to Annex F | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134179 | 1174 | - | Introduction of TC 9.2.1.5\_E.1 FDD CQI Reporting under AWGN conditions - PUCCH 1-0 for feICIC (non-MBSFN ABS) | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134180 | 1175 | - | Introduction of TC 9.2.1.6\_E.1 TDD CQI Reporting under AWGN conditions - PUCCH 1-0 for feICIC (non-MBSFN ABS) | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134181 | 1176 | - | Introduction of TC 9.3.1.3.1\_E.1 FDD CQI Reporting under fading conditions - PUSCH 3-0 for feICIC (non-MBSFN ABS) | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134182 | 1177 | - | Introduction of TC 9.3.1.3.2\_E.1 TDD CQI Reporting under fading conditions - PUSCH 3-0 for feICIC (non-MBSFN ABS) | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134183 | 1178 | - | Introduction of TC 9.5.4.1\_E FDD RI Reporting - PUCCH 1-0 for feICIC (non-MBSFN ABS) | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134184 | 1179 | - | Introduction of TC 9.5.4.2\_E TDD RI Reporting - PUCCH 1-0 for feICIC (non-MBSFN ABS) | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134185 | 1180 | - | Introduction of Reporting of Channel State Information feICIC Test Cases to Annex F | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134196 | 1181 | - | Corrections to 7.5A.3 Adjacent Channel Selectivity (ACS) for CA (inter-band DL CA without UL CA) | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134199 | 1182 | - | Corrections to MPR for intra-band non-contiguous CA | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134234 | 1183 | - | CA RF: Corrections to requirements for In-Band blocking for Inter-Band without UL-CA | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134247 | 1184 | - | RF: Corrections to requirements for NS\_11 (Band 23) | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134250 | 1185 | - | RF: Band edge relaxation for UE-s supporting Band 18 and Band 26 | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134289 | 1187 | - | Correction to Maximum Power Reduction (MPR) for CA Test Procedure | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134413 | 1189 | - | Update TT of TC 8.2.1.4.2\_A.2 FDD PDSCH Closed Loop Multi Layer 4x2 for CA | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134414 | 1190 | - | Correction of TC 6.2.4A Test Requirements for CA\_38C | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134421 | 1191 | - | The addition of Beamforming model for EPDCCH localized transmission | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134423 | 1192 | - | The addition of Beamforming model for EPDCCH distributed transmission | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134424 | 1193 | - | The addition of Downlink physical setup for EPDCCH | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134431 | 1194 | - | LTE Type A performance requirements - Introduction of the new test case 8.2.1.2.4 | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134432 | 1195 | - | LTE Type A performance requirements - adding TC 8.2.1.2.4 and 9.3.5.1.1 to Annex E and G | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134445 | 1196 | - | TU and TT for 36.521-1 eICIC FDD PCFICH/PDCCH and PHICH demodulation tests | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134477 | 1197 | - | Correction to CA Sustained data rate tests | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134478 | 1198 | - | Correction to CQI-ReportConfig-DEFAULT for CA performance tests | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134485 | 1199 | - | Clarification of UL resource blocks for CA\_4A-17A in 7.3A.3 | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134488 | 1200 | - | Correction to test requirement in 6.2.4 | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134489 | 1201 | - | Correction to test requirement in 6.6.3.2 | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134490 | 1202 | - | Additional exception message for SIB3 in MBMS performance test | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134800 | 1204 | - | Introduction of UE TM3 Demodulation Performance under High Speed to Annex F | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134801 | 1205 | - | Introduction of UE TM3 Demodulation Performance under High Speed | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134802 | 1206 | - | Corrections to eDL-MIMO Channel State Information Test | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134805 | 1207 | - | Update Minimum Requirements of TCs 6.6.3.2 and 6.6.3.2A Spurious emission band UE co-existence | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134806 | 1208 | - | Change Spurious emission UE co-existence test case for LTE CA to align with release independence rule | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134807 | 1209 | - | Clarification of applicability of additional relaxation RIB,c on Reference Sensitivity Test Cases | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134816 | 1215 | - | Addition of new Test Case PUCCH 1-1 for Interference rejection | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134817 | 1216 | - | Addition of interference rejection test cases TC 8.2.2.2.4 and TC 8.2.2.4.3 | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134828 | 1217 | - | Clarification of multi-cluster transmission terminology | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134829 | 1218 | - | Corrections to Pcmax | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134830 | 1219 | - | Corrections to test descriptions reference tables for Transmitter Characteristics test cases | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134832 | 1220 | - | Corrections to definition of 5+20 MHz for spectrum emission mask for CA in Annex F | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134857 | 1223 | - | Update TC 6.2.4 A-MPR for NS\_19 | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134858 | 1224 | - | Update TC 6.6.3.3 Additional Spurious Emissions for NS\_19 | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134859 | 1225 | - | Simplification of test points in Additional Spurious Emissions Coexistence test case | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134861 | 1227 | - | Addition of Sustained data rate test(FDD) for category 6 and 7 UEs | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134865 | 1228 | - | CA RF: Power alignment between uplink component carriers | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134866 | 1229 | - | Completion of test case 6.7A Transmit intermodulation for CA | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134867 | 1230 | - | Update Minimum Requirements of TCs 7.3 and 7.3.1A Reference sensitivity power level | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134868 | 1231 | - | Clean-up of CA Rx test cases | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134871 | 1232 | - | Update Minimum Requirements and TT of TC 8.2.1.3.1\_A | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134875 | 1233 | - | Addition of Inter Band CA combo CA\_3A-5A, CA\_3A-20A | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134876 | 1234 | - | Addition of Inter Band CA combo CA\_4A-7A | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134878 | 1235 | - | Correction and applicability clarification to multi-cluster allocations for UL CA TCs 6.2.3A, 6.2.4A, 6.6.2.1A, 6.6.2.2A, 6.6.2.3A and 6.6.3.3A | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134879 | 1236 | - | Clarification of CA Reference sensitivity level | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134880 | 1237 | - | Correction to blocking requirements and use of delta RIB | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134881 | 1238 | - | Addition of new TC 7.4A.4 Maximum input level for CA (intra band non-contiguous DL CA without UL CA) | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134882 | 1239 | - | Addition of new TC 7.5A.4 Adjacent Channel Selectivity (ACS) for CA(intra band non-contiguous DL CA without UL CA) | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134889 | 1244 | - | Uncertainties and Test Tolerances for eICIC PDSCH demodulation tests | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134893 | 1247 | - | Addition of applicabilities of LTE Type A performance requirements | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134894 | 1248 | - | Test Procedure, uncerts and TT for Rx Test cases with intra-band contiguous UL CA | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134976 | 1251 | - | Update TT of TC 8.2.1.4.2\_A.1 FDD PDSCH Closed Loop Multi Layer 4x2 for CA | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134977 | 1252 | - | Update of CA CSI tests | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134978 | 1253 | - | Update of eICIC Performance test cases | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134985 | 1254 | - | LTE Type A performance requirements - Changes to TC 9.3.5.1.1 | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134987 | 1255 | - | RF: Corrections to requirements for NS\_15 (Band 26) | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134988 | 1256 | - | Corrections to Band 23 NS\_11 and NS\_20 Test Points | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134995 | 1259 | - | Update on MPR and A-MPR test requirements | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-135012 | 1261 | - | Clarification in regard to 36.521-1 tests not included in 36.521-2 Applicability table | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-135031 | 1222 | - | RF TC Update for 36.521-1\_9.2.1.3\_C1 eICIC | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-135046 | 1226 | - | RF: Updates to the downlink reference measurement channels | 11.2.0 | 11.3.0 |
| 2013-12 | RAN#62 | R5-134277 | 1186 | - | Addition of Rel-12 CA band combinations(CA\_3-19 and CA\_19-21) to Chap. 5 | 11.3.0 | 12.0.0 |
| 2013-12 | RAN#62 | R5-134339 | 1188 | - | Updates to TC 6.2.2A.1 for CA\_3C | 11.3.0 | 12.0.0 |
| 2013-12 | RAN#62 | R5-134540 | 1203 | - | Applicability statement of new 5MHz BB tests for Band 31 in TS 36.521-1 | 11.3.0 | 12.0.0 |
| 2013-12 | RAN#62 | R5-134808 | 1210 | - | Updates of 5.4.2A Channel bandwidth for CA\_1A-18A | 11.3.0 | 12.0.0 |
| 2013-12 | RAN#62 | R5-134809 | 1211 | - | Updates of 5.2A Operating bands for CA\_1A-26A | 11.3.0 | 12.0.0 |
| 2013-12 | RAN#62 | R5-134810 | 1212 | - | Updates of 5.4.2A Channel bandwidth for CA\_1A-26A | 11.3.0 | 12.0.0 |
| 2013-12 | RAN#62 | R5-134811 | 1213 | - | Updates of 6.2.5A Delta TIB for CA\_1A-26A | 11.3.0 | 12.0.0 |
| 2013-12 | RAN#62 | R5-134812 | 1214 | - | Updates of 7.3A Delta RIB for CA\_1A-26A | 11.3.0 | 12.0.0 |
| 2013-12 | RAN#62 | R5-134833 | 1221 | - | Correction to Tx TCs for lower tolerance relaxation, removal of 6.2.5A.2 and addition of Rel-12 CA band combinations(CA\_3-19 and CA\_19-21) to 6.2.5 | 11.3.0 | 12.0.0 |
| 2013-12 | RAN#62 | R5-134884 | 1240 | - | Addition of Rel-12 CA band combination(CA\_3-19 and CA\_19-21) to Refsens | 11.3.0 | 12.0.0 |
| 2013-12 | RAN#62 | R5-134886 | 1241 | - | Updates for 5.2A operating bands and 5.4.2A channel bandwidth for CA\_3C | 11.3.0 | 12.0.0 |
| 2013-12 | RAN#62 | R5-134887 | 1242 | - | Updates to TC 6.2.3A.1 for CA\_3C | 11.3.0 | 12.0.0 |
| 2013-12 | RAN#62 | R5-134888 | 1243 | - | Updates to TC 6.6.2.1A.1 for CA\_3C | 11.3.0 | 12.0.0 |
| 2013-12 | RAN#62 | R5-134891 | 1245 | - | Updates to FDD PDSCH Single Antenna and Transmit Diversity 2x2 performance test cases for 5MHz BW | 11.3.0 | 12.0.0 |
| 2013-12 | RAN#62 | R5-134892 | 1246 | - | Updates to 8.2.1.3.1 for FDD PDSCH Open Loop Spatial Multiplexing 2x2 for 5MHz BW | 11.3.0 | 12.0.0 |
| 2013-12 | RAN#62 | R5-134896 | 1249 | - | Updates to TC 9.2.1.1 FDD CQI reporting under AWGN conditions - PUCCH 1-0 test case for 5MHz BW | 11.3.0 | 12.0.0 |
| 2013-12 | RAN#62 | R5-134897 | 1250 | - | Updates to TC 9.3.2.1.1 and 9.3.2.1.1\_1 FDD CQI Reporting under fading conditions - PUCCH 1-0 test case for 5MHz BW | 11.3.0 | 12.0.0 |
| 2013-12 | RAN#62 | R5-134989 | 1257 | - | Corrections to definition of 5+20 MHz for spectrum emission mask for CA | 11.3.0 | 12.0.0 |
| 2013-12 | RAN#62 | R5-134992 | 1258 | - | Updates to 8.5.1.2 FDD PHICH Transmit Diversity Performance tests | 11.3.0 | 12.0.0 |
| 2013-12 | RAN#62 | R5-135068 | 1262 | - | Updates to 8.2.1.4 FDD PDSCH Closed Loop Single/Multiple layer Spatial Multiplexing 2x2 for 5MHz BW | 11.3.0 | 12.0.0 |
| 2014-03 | RAN#63 | R5-140228 | 1264 | - | Uncertainties for eICIC 9.x CSI Test Cases | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140245 | 1265 | - | eDL-MIMO RF: Corrections to 8x2 MIMO tests | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140247 | 1266 | - | CA RF: Corrections to sustained data rate tests | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140248 | 1267 | - | RF: Corrections to OCNG pattern for PMI tests | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140249 | 1268 | - | RF: Corrections to cross references between tests | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140250 | 1269 | - | feICIC RF: Corrections to some subclause-titles | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140261 | 1270 | - | CoMP RF: Introduction of CoMP section in Annex I | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140388 | 1272 | - | LTE Type A performance requirements - Introduction of the new test case 9.3.5.1.2 | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140444 | 1273 | - | Updates of 6.2.5 Delta TIB for CA\_1A-26A | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140446 | 1274 | - | Updates of 7.3 Delta RIB for CA\_1A-26A | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140448 | 1275 | - | Updates of 6.6.3.2 Spurious emission band UE co-existence for B41 | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140499 | 1276 | - | Update of eICIC Performance tests | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140505 | 1277 | - | Correction to test configuration parameter in Tx | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140508 | 1278 | - | Update of CA FDD and TDD performance tests | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140509 | 1279 | - | Addition of CQI configuration in CA closed loop performance tests | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140511 | 1280 | - | Addition of SCC activation and CQI configuration in CA CQI Reporting tests | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140561 | 1281 | - | Removal of [ ]s in Annex G.6 | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140800 | 1282 | - | Corrections to NS signalling for CA refsens | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140801 | 1283 | - | Correction to statistical testing for Inter-band CA Rx tests | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140802 | 1284 | - | Additions to combinations of channel model parameters | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140803 | 1285 | - | Addition of a Fixed Reference Channel two antenna ports | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140804 | 1286 | - | Corrections to TDD eDL-MIMO test cases | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140805 | 1287 | - | Correction the category information of Table 8.2.1.1.2.3-2 and Table 8.2.1.1.2.5-1 in test case 8.2.1.1.2 | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140806 | 1288 | - | Correction the category information in Table 8.2.1.2.1.3-2 and Table 8.2.1.2.1.3-2 for Test case 8.2.1.2.1 | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140807 | 1289 | - | Correction the test case applicability of test case 8.2.1.3.2 | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140811 | 1290 | - | Addition of A.3.9.4 TDD SDR Reference Channel for EPDCCH | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140812 | 1291 | - | Addition of A.3.9.3 FDD SDR Reference Channel for EPDCCH | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140813 | 1292 | - | Addition of OCNG Pattern for EPDCCH TDD performance requirements | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140814 | 1293 | - | Addition of OCNG Pattern for EPDCCH FDD performance requirements | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140815 | 1294 | - | Addition of Reference Measurement Channels for EPDCCH performance requirements | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140816 | 1295 | - | Introduction of RMCs and power levels for CoMP in annex | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140818 | 1296 | - | Addition of CA\_1A-8A to 36.521-1 Chapter 5 | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140819 | 1297 | - | Addition of CA\_1A-8A to 36.521-1 Chapter 6 | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140820 | 1298 | - | Addition of CA\_1A-8A to 36.521-1 Chapter 7 | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140823 | 1300 | - | Corrections to definition of 20 MHz and 5MHz for transmit intermodulation for CA in 6.7A | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140824 | 1301 | - | Updates to TC 7.4A.1 for CA\_3C | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140825 | 1302 | - | Updates to TC 6.6.3.2A for CA\_3C | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140826 | 1303 | - | Corrections to definition of 20 MHz and 5MHz for occupied bandwidth for CA in 6.6.1A | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140827 | 1304 | - | Updates to TC 7.3A.1 for CA\_3C | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140828 | 1305 | - | Updates to TC 7.3A.2 for CA\_3C | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140831 | 1306 | - | Additions to TC 8.2.2.2.3\_E.1 TDD PDSCH Transmit diversity 2x2 for feICIC (non-MBSFN ABS) | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140832 | 1307 | - | Additions to TC 8.2.1.4.1\_E.1 FDD PDSCH Closed Loop Single Layer Spatial Multiplexing 2x2 for feICIC (non-MBSFN ABS) | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140833 | 1308 | - | Additions to TC 8.2.2.4.1\_E.1 TDD PDSCH Closed Loop Single Layer Spatial Multiplexing 2x2 for feICIC (non-MBSFN ABS) | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140834 | 1309 | - | Additions to TC 8.4.1.2.3\_E.1 FDD PCFICH/PDCCH Transmit Diversity 2x2 for feICIC (non-MBSFN ABS) | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140835 | 1310 | - | Additions to TC 8.4.2.2.3\_E.1 TDD PCFICH/PDCCH Transmit Diversity 2x2 for feICIC (non-MBSFN ABS) | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140836 | 1311 | - | Additions to TC 8.4.1.2.3\_E.2 FDD PCFICH/PDCCH Transmit Diversity 2x2 for feICIC (MBSFN ABS) | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140837 | 1312 | - | Additions to TC 8.4.2.2.3\_E.2 TDD PCFICH/PDCCH Transmit Diversity 2x2 for feICIC (MBSFN ABS) | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140838 | 1313 | - | Additions to TC 9.2.1.5\_E.1 FDD CQI Reporting under AWGN conditions - PUCCH 1-0 for feICIC (non-MBSFN ABS) | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140839 | 1314 | - | Additions to TC 9.2.1.6\_E.1 TDD CQI Reporting under AWGN conditions - PUCCH 1-0 for feICIC (non-MBSFN ABS) | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140840 | 1315 | - | Additions to TC 9.3.1.3.1\_E.1 FDD CQI Reporting under fading conditions - PUSCH 3-0 for feICIC (non-MBSFN ABS) | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140841 | 1316 | - | Additions to TC 9.3.1.3.2\_E.1 TDD CQI Reporting under fading conditions - PUSCH 3-0 for feICIC (non-MBSFN ABS) | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140842 | 1317 | - | Additions to TC 9.5.4.1\_E FDD RI Reporting - PUCCH 1-0 for feICIC (non-MBSFN ABS) | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140843 | 1318 | - | Additions to TC 9.5.4.2\_E TDD RI Reporting - PUCCH 1-0 for feICIC (non-MBSFN ABS) | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140844 | 1319 | - | Introduction of feICIC to Annex G | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140845 | 1361 | - | Addition of PHICH demod requirements for fEICIC | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140846 | 1320 | - | Addition to TC 8.2.2.3.3\_E.1 TDD PDSCH Open Loop Spatial Multiplexing 2x2 for feICIC (non-MBSFN ABS) | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140847 | 1321 | - | Corrections to test configuration notes of CA soft buffer | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140856 | 1322 | - | Additions to TC 8.2.1.2.3\_E.1 FDD PDSCH Transmit diversity 2x2 for feICIC (non-MBFSN ABS) | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140868 | 1323 | - | Uncertainties and Test Tolerances for Interf\_Rej Test case 8.2.1.2.4 | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140877 | 1324 | - | Introduction of TC 9.5.5.1\_F.1 FDD RI Reporting with Single CSI process | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140878 | 1325 | - | Introduction of TC 9.5.5.2\_F.1 TDD RI Reporting with Single CSI process | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140881 | 1326 | - | Addition to TC 8.2.1.3.3\_E.1 FDD FDD PDSCH Open Loop Spatial Multiplexing 2x2 for feICIC (non-MBSFN ABS) | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140887 | 1327 | - | Correction to eICIC CQI Reporting tests | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140888 | 1328 | - | eICIC RF: Corrections to requirements, procedure and UL-RMCs for CQI tests | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140889 | 1329 | - | Addition of TC 8.7.3.1 FDD sustained data rate performance for EPDCCH scheduling | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140890 | 1330 | - | Addition of TC 8.8.1.1.1 FDD distributed EPDCCH performance | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140891 | 1331 | - | Addition of TC 8.7.4.1 TDD sustained data rate performance for EPDCCH scheduling | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140892 | 1332 | - | Addition of TC 8.8.1.2.1 TDD distributed EPDCCH performance | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140893 | 1333 | - | Addition of TC 8.8.2.1.1 FDD localized EPDCCH performance | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140894 | 1334 | - | Addition of TC 8.8.2.1.2 FDD EPDCCH localized transmission with TM10 quasi co-location Type-B | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140895 | 1335 | - | Addition of TC 8.8.2.2.1 TDD localized EPDCCH performance | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140896 | 1336 | - | Addition of TC 8.8.2.2.2 TDD EPDCCH localized transmission with TM10 quasi co-location Type-B | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-140922 | 1337 | - | Modify Applicability for LTE B14 public safety high power UE test cases | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-141003 | 1338 | - | Addition of FDD CQI Reporting under AWGN conditions - Single CSI Process TC 9.2.4.1 | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-141004 | 1339 | - | Addition of TDD CQI Reporting under AWGN conditions - Single CSI Process TC 9.2.4.2 | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-141006 | 1340 | - | Addition of TC 8.2.1.7 FDD Carrier Aggregation with power imbalance | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-141007 | 1341 | - | Updates to TC 7.4A.2 for CA\_3C | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-141008 | 1342 | - | Addition of TC 9.3.6.1\_F FDD CQI Reporting under fading conditions multiple CSI processes for CoMP | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-141009 | 1343 | - | Addition of TC 9.3.6.2\_F TDD CQI Reporting under fading conditions multiple CSI processes for CoMP | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-141011 | 1345 | - | Corrections to definition of 20 MHz and 5MHz for minimum output power for CA in 6.3.2A | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-141012 | 1346 | - | Addition of Intra NC CA to chap. 5 and related symbol to chap. 3 | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-141016 | 1347 | - | Correction and proposed resolution to TBDs UL CA TCs 6.2.4A and 6.6.3.3A | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-141017 | 1348 | - | Update for CA Rx TCs | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-141018 | 1349 | - | PCC/SCC switching in inter-band CA Rx test cases | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-141026 | 1350 | - | Introduction of new TC 8.3.1.3.2\_F FDD PDSCH Performance with DCI format 2D, non Quasi Co-located Antenna Ports, Same Cell ID and multiple NZP CSI-RS resources for CoMP | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-141027 | 1351 | - | Introduction of TC 8.3.1.3.3\_F FDD PDSCH Performance with DCI format 2D, non Quasi Co-located Antenna Ports, Different Cell ID, Colliding CRS and single NZP CSI-RS for CoMP | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-141028 | 1352 | - | Addition of new demod scenario for DL COMP - Same Cell ID and single NZP CSI-RS resource | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-141029 | 1353 | - | Corrections to TM9 test to verify correct SNR estimation | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-141038 | 1354 | - | Correction to sustained downlink data rate tests | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-141040 | 1355 | - | Changes to test frequencies in Tx test cases for Band 28 | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-141041 | 1356 | - | Updates of Reference sensitivity for Intra-band non-contiguous CA | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-141042 | 1357 | - | Update TC of 7.4A.4 Maximum input level for CA (intra band non-contiguous DL CA without UL CA) | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-141043 | 1358 | - | Update TC of 7.5A.4 Adjacent Channel Selectivity (ACS) for CA (intra band non-contiguous DL CA without UL CA) | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-141044 | 1359 | - | Corrections to maximum output power for multiple transmissions in a subframe | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-141045 | 1360 | - | Correction to test configuration of Maximum input for CA | 12.0.0 | 12.1.0 |
| 2014-03 | RAN#63 | R5-141047 | 1271 | - | eICIC RF: Corrections to TDD PHICH test | 12.0.0 | 12.1.0 |
| 2014-06 | RAN#64 | R5-142069 | 1362 | - | LTE Type A performance requirements - adding TC 8.2.1.4.3 into annex F and G | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142071 | 1363 | - | Addition of connection diagram references to LTE Type A performance tests | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142072 | 1364 | - | Addition of connection diagram references to LTE Type A CSI tests | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142111 | 1365 | - | Addition of CA 3A-28A to 36.521-1 Chapter 6 | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142112 | 1366 | - | Addition of CA 3A-28A to 36.521-1 Chapter 7 | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142172 | 1367 | - | Addition of TC 6.2.2A.1 for CA\_39C | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142176 | 1368 | - | Corrections to configured transmitted power for CA | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142177 | 1369 | - | Corrections to OCNG pattern | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142295 | 1370 | - | Updates of 6.2.5 Delta TIB for CA\_3A-26A and CA\_3A-27A | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142296 | 1371 | - | Updates of 7.3.3 Delta RIB for CA\_3A-26A and CA\_3A-27A | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142307 | 1372 | - | RF: Corrections to spurious emission requirements with NS different than NS\_01 | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142309 | 1373 | - | RF: Editorial corrections to the annexes | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142312 | 1374 | - | CA RF: Several corrections to some Tx tests | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142317 | 1375 | - | eICIC RF: Corrections to RI performance tests | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142343 | 1376 | - | Addition of LTE CA\_39A-41A into Table 6.2.5.3-2 | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142366 | 1377 | - | Update of TC 8.7.4.1 TDD sustained data rate performance for EPDCCH scheduling | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142372 | 1378 | - | Update of TC 8.8.2.1.2 FDD EPDCCH localized transmission with TM10 quasi co-location Type-B | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142376 | 1379 | - | Update of TC 8.8.2.2.2 TDD EPDCCH localized transmission with TM10 quasi co-location Type-B | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142384 | 1380 | - | Update of TC 9.3.6.1\_F FDD CQI Reporting under fading conditions multiple CSI processes for CoMP | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142387 | 1381 | - | Update overview of DL reference measurement channels for EPDCCH | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142391 | 1382 | - | Uncertainties and Test Tolerances for Enhanced Performance Requirement Type A 9.3.5.1.1 and 9.3.5.1.2 CQI Test cases | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142393 | 1383 | - | Test Tolerances for eICIC 9.2.x CQI Test cases | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142394 | 1384 | - | Correction of the test cases 8.2.1.2.2 and 8.2.1.2.2\_1 | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142420 | 1386 | - | Corrections to Annex G.5.4 | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142444 | 1387 | - | Introduction of transmission mode 10 in precoder update granularity in FDD and TDD common test parameters | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142446 | 1388 | - | Introduction of new TC 8.3.2.4.2\_F TDD PDSCH Performance with DCI format 2D, non Quasi Co-located Antenna Ports, Same Cell ID and multiple NZP CSI-RS resources for CoMP | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142449 | 1389 | - | Introduction of TC 8.3.2.4.3\_F TDD PDSCH Performance with DCI format 2D, non Quasi Co-located Antenna Ports, Different Cell ID, Colliding CRS and single NZP CSI-RS for CoMP | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142515 | 1390 | - | Corrections to MBMS performance test cases | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142576 | 1391 | - | Update UE Transmit OFF power for CA \_39C (intra-band contiguous DL CA and UL CA) | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142588 | 1392 | - | Remove the square bracket in TC 8.3.1.3.2\_F and TC 8.3.1.3.3\_F | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142590 | 1393 | - | Uncertainties and Test Tolerances for eICIC PDCCH/PCFICH and PHICH demodulation tests | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142596 | 1394 | - | Addition of message exception for PHICH duration | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142597 | 1515 | - | Correction to eICIC CSI tests | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142601 | 1395 | - | Correction to title in feICIC PDSCH demodulation tests | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142605 | 1396 | - | Correction to measurement bandwidth in 6.6.2.1A.1 | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142616 | 1399 | - | Correction to MBMS performance | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142672 | 1400 | - | Correction to in-band blocking requirements | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142676 | 1401 | - | Correction to 6.6.2.1A test environment | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142692 | 1402 | - | Correction to 8.2.2.1.1\_1 and 8.2.2.2.1\_1 applicability | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142697 | 1403 | - | 36.521-1: Corrections to section 7.3A | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142701 | 1404 | - | Introduction of NC CA TC 7.7A.4 | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142703 | 1405 | - | Uncertainties and Derivation of Test Requirements for TCs 7.6.xA.4 and 7.7A.4 | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142710 | 1406 | - | 36-521-1: Clarification on Averaged EVM for PRACH | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142749 | 1407 | - | Correction to CA band combo CA\_3A-5A | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142750 | 1408 | - | Verification of exceptions of REFSENS requirements for carrier aggregation | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-142771 | 1409 | - | Addition of CA\_2A-4A and CA\_5A-7A to 36.521-1 Chapter 7 | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143003 | 1410 | - | 36.521-1: Editorial correction on 6.6.3.3 Initial conditions for NS\_19 | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143004 | 1411 | - | 36.521-1: Editorial correction on 6.6.2.2B test requirements for NS\_06 or NS\_07 | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143005 | 1412 | - | Correction for CA\_4A-12A uplink configuration in inter-band CA reference sensitivity | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143006 | 1413 | - | CA RF: Clarification of test parameters and requirements for Inter-band CA Rx tests | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143007 | 1414 | - | Corrections to SNR test for TM9 minimum requirements | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143008 | 1415 | - | Correction to ACK NAK Reporting mode for TDD CA test cases | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143009 | 1416 | - | Addition of TC 8.2.1.1.1\_2 and 8.2.2.1.1\_2 | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143010 | 1417 | - | Correction of FDD PDSCH Open Loop Spatial Multiplexing 2x2 for CA test cases of TCs 8.2.1.3.1\_A.2 and 8.2.1.3.1\_A.2\_1 | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143011 | 1418 | - | Updates to 8.2.1.3 FDD PDSCH Open Loop Spatial Multiplexing 2x2 related test cases | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143012 | 1419 | - | Updates to 8.2.2.3 TDD PDSCH Open Loop Spatial Multiplexing 2x2 related test cases | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143013 | 1420 | - | 36.521-1: Editorial correction on 8.2.1.4.2\_A.2 message contents | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143014 | 1421 | - | Clarification the minimum conformance requirement and test parameter for 8.2.1.3.3\_C1 and 8.2.1.3.3\_C2 test cases | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143015 | 1422 | - | Correction to minimum test time for eICIC tests | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143025 | 1423 | - | LTE Type A performance requirements - Introduction of the new test case 8.2.1.4.3 | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143026 | 1424 | - | Test Tolerances for eICIC 9.5.x RI Test cases | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143027 | 1425 | - | Uncertainties and Test Tolerances for EPDCCH 8.8.1.x demodulation Test cases | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143031 | 1426 | - | Update to operating bands for CA | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143032 | 1427 | - | Update to channel bandwidths for CA | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143033 | 1428 | - | Update to TC 6.3.2A.1 for CA\_39C | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143034 | 1429 | - | Updates of 7.3A.3 Refsens for CA\_3A-26A and CA\_3A-27A | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143035 | 1430 | - | Addition of CA band Combo CA\_2A-13A | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143036 | 1431 | - | Addition of CA\_39A-41A to Refsens in chap.7 | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143037 | 1432 | - | Updates to Chap.5 for CA\_27B | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143038 | 1433 | - | Addition of CA\_2A-4A and CA\_5A-7A to 36.521-1 Clause 6 | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143039 | 1434 | - | TC 8.2.1.3.3\_E.1 FDD PDSCH Open Loop Spatial Multiplexing 2x2 for feICIC (non-MBSFN ABS) | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143040 | 1435 | - | TC 8.2.2.3.3\_E.1 TDD PDSCH Open Loop Spatial Multiplexing 2x2 for feICIC (non-MBSFN ABS) | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143041 | 1436 | - | Corrections applicability statement including UE category for feICIC | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143042 | 1437 | - | Additions to TC 8.2.1.2.3\_E.1 FDD PDSCH Transmit diversity 2x2 for feICIC (non-MBFSN ABS) | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143043 | 1438 | - | Additions to TC 8.2.2.2.3\_E.1 TDD PDSCH Transmit diversity 2x2 for feICIC (non-MBSFN ABS) | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143044 | 1439 | - | Additions to TC 8.2.1.4.1\_E.1 FDD PDSCH Closed Loop Single Layer Spatial Multiplexing 2x2 for feICIC (non-MBSFN ABS) | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143045 | 1440 | - | Additions to TC 8.2.2.4.1\_E.1 TDD PDSCH Closed Loop Single Layer Spatial Multiplexing 2x2 for feICIC (non-MBSFN ABS) | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143046 | 1441 | - | Additions to TC 9.2.1.5\_E.1 FDD CQI Reporting under AWGN conditions - PUCCH 1-0 for feICIC (non-MBSFN ABS) | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143047 | 1442 | - | Additions to TC 9.2.1.6\_E.1 TDD CQI Reporting under AWGN conditions - PUCCH 1-0 for feICIC (non-MBSFN ABS) | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143048 | 1443 | - | Additions to TC 9.3.1.3.1\_E.1 FDD CQI Reporting under fading conditions - PUSCH 3-0 for feICIC (non-MBSFN ABS) | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143049 | 1444 | - | Additions to TC 9.3.1.3.2\_E.1 TDD CQI Reporting under fading conditions - PUSCH 3-0 for feICIC (non-MBSFN ABS) | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143050 | 1445 | - | Additions to TC 9.5.4.1\_E.1 FDD RI Reporting - PUCCH 1-0 for feICIC (non-MBSFN ABS) | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143051 | 1446 | - | Additions to TC 9.5.4.2\_E.1 TDD RI Reporting - PUCCH 1-0 for feICIC (non-MBSFN ABS) | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143052 | 1447 | - | Additions to Reporting of Channel State Information feICIC Test Cases to Annex F | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143076 | 1448 | - | Update of TC 9.3.6.2\_F TDD CQI Reporting under fading conditions multiple CSI processes for CoMP | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143077 | 1449 | - | Correction parameter and reference table number in test case 8.3.2.4.1\_F | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143079 | 1450 | - | Update of TC 8.7.3.1 FDD sustained data rate performance for EPDCCH scheduling | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143080 | 1451 | - | Addition of TC 8.8.3.1 FDD Localized transmission with TM10 Type B quasi co-location type | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143081 | 1452 | - | Addition of TC 8.8.3.2 TDD Localized transmission with TM10 Type B quasi co-location type | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143082 | 1453 | - | Update initial condition and test requirement in test case 8.7.1.1\_A.2\_1 for two 15MHz CCs | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143097 | 1454 | - | Addition of message content exception in eICIC performance tests with MBSFN ABS | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143098 | 1455 | - | Additions to TC 8.4.1.2.3\_E.1 FDD PCFICH/PDCCH Transmit Diversity 2x2 for feICIC (non-MBSFN ABS) | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143099 | 1456 | - | Additions to TC 8.4.2.2.3\_E.1 TDD PCFICH/PDCCH Transmit Diversity 2x2 for feICIC (non-MBSFN ABS) | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143100 | 1457 | - | Additions to TC 8.4.2.2.3\_E.2 TDD PCFICH/PDCCH Transmit Diversity 2x2 for feICIC (MBSFN ABS) | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143101 | 1458 | - | Additions to Demodulation feICIC Test Cases to Annex F | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143104 | 1459 | - | Introduction of TC 8.2.2.4.2\_A.3 TDD PDSCH Closed Loop Multi Layer Spatial Multiplexing 4 x 2 for CA | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143105 | 1460 | - | Updates to Refsens for Intra-band non-contiguous CA | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143106 | 1461 | - | Correction of interference rejection test cases TC 8.2.2.4.3 | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143107 | 1462 | - | Correction to eICIC PDSCH demodulation tests | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143113 | 1463 | - | Introduction of TC 8.2.2.1.1\_A.3 TDD PDSCH Single Antenna Port Performance for CA | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143114 | 1464 | - | Additions to TC 8.4.1.2.3\_E.2 FDD PCFICH/PDCCH Transmit Diversity 2x2 for feICIC (MBSFN ABS) | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143115 | 1465 | - | Update of TC 8.8.1.1 FDD distributed EPDCCH performance | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143116 | 1466 | - | Update of TC 8.8.2.1 FDD localized transmission with TM9 | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143117 | 1467 | - | Update of TC 8.8.2.2 TDD localized transmission with TM9 | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143118 | 1468 | - | Update sections of A.3.9 and A.3.10 reference channel for EPDCCH test | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143129 | 1469 | - | Addition of FDD CQI Reporting under AWGN conditions - PUCCH 1-0 for CA (intra band non-contiguous DL CA) TC 9.6.1.1\_A.3 | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143130 | 1470 | - | Addition of TDD CQI Reporting under AWGN conditions - PUCCH 1-0 for CA (intra band non-contiguous DL CA) TC 9.6.1.2\_A.3 | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143131 | 1471 | - | Addition of TC 6.2.4A.1 for CA\_39C | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143133 | 1472 | - | Update additional spurious emissions for CA\_38C (intra-band contiguous DL CA and UL CA) | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143134 | 1473 | - | Update In-band blocking for CA\_39C (intra-band contiguous DL CA and UL CA) | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143135 | 1474 | - | Update Out-of-band blocking for CA\_39C (intra-band contiguous DL CA and UL CA) | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143136 | 1475 | - | Update Reference sensitivity level for CA\_39C (intra-band contiguous DL CA and UL CA) | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143137 | 1476 | - | RF: Corrections to CSI RMCs | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143138 | 1477 | - | CA RF: Corrections to CQI performance tests | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143140 | 1478 | - | CA RF: Corrections to performance test with power imbalance (Class C) | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143141 | 1479 | - | Correction of test case 8.2.1.1.1\_1 | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143142 | 1480 | - | Correction of the test applicability for test cases 8.2.1.1.1\_A.2, 8.2.1.3.1\_A.1, 8.2.1.3.1\_A.2 and 8.2.1.4.2\_A.2 | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143143 | 1481 | - | Correction of the test applicability of the test cases 8.2.1.1.1\_A.1, 8.2.1.4.2\_A.1, 8.2.2.1.1\_A.1 and 8.2.2.4.2\_A.1 | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143144 | 1482 | - | Correction of the applicability for the test case 8.7.1.1 | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143146 | 1483 | - | Addition of TC 9.5.5.1\_F.2 FDD RI Reporting with Multiple CSI processes for CoMP | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143147 | 1484 | - | Addition of TC 9.5.5.2\_F.2 TDD RI Reporting with Multiple CSI processes for CoMP | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143148 | 1485 | - | Clarification of test parameters for eICIC PDCCH performance tests | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143149 | 1486 | - | Correction to Intra-band CA uplink configuration for reference sensitivity | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143151 | 1487 | - | Correction to CQI reference measurement channels | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143154 | 1488 | - | Introduction of NC CA TC 7.6.1A.4 | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143155 | 1489 | - | Introduction of NC CA TC 7.6.2A.4 | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143156 | 1490 | - | Introduction of NC CA TC 7.6.3A.4 | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143161 | 1491 | - | Update Spurious emission band UE co-existence for CA\_39C (intra-band contiguous DL CA and UL CA) | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143162 | 1492 | - | Update additional spurious emissions for CA\_39C (intra-band contiguous DL CA and UL CA) | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143163 | 1493 | - | Updates to TC 7.3A.2 Reference sensitivity level for CA\_27B | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143164 | 1494 | - | Updates to TC 7.4A.2 maximum input level for intra-band contiguous CA for CA\_27B | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143165 | 1495 | - | Updates to TC 7.5A.2 ACS for CA\_27B | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143166 | 1496 | - | Updates to 7.6.1A.2 IBB for CA of CA\_27B | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143167 | 1497 | - | Updates to TC 7.6.2A.2 OOB for CA of CA\_27B | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143168 | 1498 | - | Updates to TC 7.6.3A.2 Narrow band blocking for CA\_27B | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143169 | 1499 | - | Updates to TC 7.7A.2 Spurious response for CA\_27B | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143170 | 1500 | - | Updates to TC 7.8.1A.2 Wideband intermodulation for CA\_27B | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143175 | 1502 | - | Updates to 8.7.2.1 TDD sustained data rate performance related test cases | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143178 | 1504 | - | Additions to TC 9.5.5.1\_F.1 FDD RI Reporting with Single CSI process | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143179 | 1505 | - | Additions to TC 9.5.5.2\_F.1 TDD RI Reporting with Single CSI process | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143181 | 1506 | - | Splitting of FDD CA TM3 and soft buffer management tests | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143182 | 1507 | - | Removal of soft buffer test points from FDD TM3 test cases in 8.2.1.3.1 and move to new soft buffer test cases in section 8.2.1.3.1A | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143183 | 1508 | - | Splitting of TDD CA TM3 and soft buffer management tests | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143184 | 1509 | - | Removal of soft buffer test points from TDD TM3 test cases in 8.2.2.3.1 and move to new soft buffer test case in section 8.2.2.3.1A | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143188 | 1512 | - | Addition of TC 8.2.2.7 TDD Carrier Aggregation with power imbalance | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143189 | 1513 | - | Corrections to test case 8.2.1.4.2\_1, 8.2.2.4.1\_1, and 8.2.2.4.2\_1 | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143190 | 1514 | - | Uncertainties and Test Tolerances for CoMP Test case 8.3.1.3.2\_F | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143203 | 1385 | - | Throughput calculation for eICIC demodulation requirements | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143204 | 1503 | - | Correction to eICIC TDD RI requirements | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143205 | 1510 | - | Updates to 8.7.1.1\_A FDD sustained data rate performance for CA related test cases | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143206 | 1511 | - | Updates to 8.7.2.1\_A TDD sustained data rate performance for CA related test cases | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143207 | 1397 | - | Correction to CA Rx test cases | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143208 | 1398 | - | Correction to call setup in 8.7.1 and 8.7.2 | 12.1.0 | 12.2.0 |
| 2014-06 | RAN#64 | R5-143216 | 1501 | - | Updates to 8.7.1.1 FDD sustained data rate performance related test cases | 12.1.0 | 12.2.0 |
| 2014-09 | RAN#65 | R5-144068 | 1516 | - | Uncertainties and test tolerances for test case 8.2.2.2.4 | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144072 | 1517 | - | Uncertainties and test tolerances for test case 8.3.1.1.3 | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144074 | 1518 | - | Uncertainties and test tolerances for test case 8.3.2.1.4 | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144086 | 1519 | - | Corrections to TC 8.2.2.1.1\_A.3 TDD PDSCH Single Antenna Port Performance for CA | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144087 | 1520 | - | Corrections to TC 8.2.2.4.2\_A.3 TDD PDSCH Closed Loop Multi Layer Spatial Multiplexing 4 x 2 for CA | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144088 | 1521 | - | Test Tolerances to Annex F for TC 8.2.2.1.1\_A.3 and TC 8.2.2.4.2\_A.3 | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144093 | 1522 | - | Test Tolerances for TC 9.5.5.1\_F.1 FDD RI Reporting with Single CSI process | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144094 | 1523 | - | Test Tolerances for TC 9.5.5.2\_F.1 TDD RI Reporting with Single CSI process | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144095 | 1524 | - | Addition of OCNG pattern for TM10 | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144096 | 1525 | - | Uncertainties and Test Tolerances for TC 9.5.5.1\_F.1+9.5.5.2\_F.1 in Annex F | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144098 | 1526 | - | Test Tolerances for TC 8.2.1.4.1\_E.1 FDD PDSCH Closed Loop Single Layer Spatial Multiplexing 2x2 for feICIC (non-MBSFN ABS) | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144099 | 1527 | - | Test Tolerances for TC 8.2.2.4.1\_E.1 TDD PDSCH Closed Loop Single Layer Spatial Multiplexing 2x2 for feICIC (non-MBSFN ABS) | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144101 | 1528 | - | Test Tolerances for TC 8.4.1.2.3\_E.1 FDD PCFICH/PDCCH Transmit Diversity 2x2 for feICIC (non-MBSFN ABS) | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144102 | 1529 | - | Test Tolerances for TC 8.4.2.2.3\_E.1 TDD PCFICH/PDCCH Transmit Diversity 2x2 for feICIC (non-MBSFN ABS) | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144104 | 1530 | - | Test Tolerances for TC 8.4.1.2.3\_E.2 FDD PCFICH/PDCCH Transmit Diversity 2x2 for feICIC (MBSFN ABS) | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144105 | 1531 | - | Test Tolerances for TC 8.4.2.2.3\_E.2 TDD PCFICH/PDCCH Transmit Diversity 2x2 for feICIC (MBSFN ABS) | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144107 | 1532 | - | Uncertainties and Test Tolerances to Annex F for Demodulation feICIC | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144111 | 1533 | - | Test Tolerances for TC 9.2.1.5\_E.1 FDD CQI Reporting under AWGN conditions - PUCCH 1-0 for feICIC (non-MBSFN ABS) | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144112 | 1534 | - | Test Tolerances for TC 9.2.1.6\_E.1 TDD CQI Reporting under AWGN conditions - PUCCH 1-0 for feICIC (non-MBSFN ABS) | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144114 | 1535 | - | Test Tolerances for TC 9.3.1.3.1\_E.1 FDD CQI Reporting under fading conditions - PUSCH 3-0 for feICIC (non-MBSFN ABS) | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144115 | 1536 | - | Test Tolerances for TC 9.3.1.3.2\_E.1 TDD CQI Reporting under fading conditions - PUSCH 3-0 for feICIC (non-MBSFN ABS) | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144117 | 1537 | - | Test Tolerances for TC 9.5.4.1\_E.1 FDD RI Reporting - PUCCH 1-0 for feICIC (non-MBSFN ABS) | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144118 | 1538 | - | Test Tolerances for TC 9.5.4.2\_E.1 TDD RI Reporting - PUCCH 1-0 for feICIC (non-MBSFN ABS) | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144120 | 1539 | - | Uncertainties and Test Tolerances to Annex F for Reporting of Channel State Information feICIC | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144122 | 1540 | - | Message contents updates for CSI feICIC test cases | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144123 | 1541 | - | Corrections to Annex G for feICIC | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144173 | 1542 | - | RF: Corrections to spurious emission band co-existence test | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144174 | 1543 | - | RF: Missing test coverage for Band 31 | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144176 | 1544 | - | IR RF: Correction to TCs 8.3.1.1.3 and 8.3.2.1.4 | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144244 | 1545 | - | Correction of clause 6.2.4.5 in 36.521-1 | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144248 | 1546 | - | Addition of operating band 30 to TS 36.521-1, clause 5 | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144283 | 1547 | - | Add static propagation condition matrix for 1 x 2 | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144299 | 1548 | - | Update of TC 8.3.1.3.2\_F CoMP | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144300 | 1549 | - | Update of TC 8.3.1.3.3\_F CoMP | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144301 | 1550 | - | Update of TC 8.3.2.4.2\_F CoMP | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144302 | 1551 | - | Update of TC 8.3.2.4.3\_F CoMP | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144310 | 1552 | - | Update minimum requirements and test tolerance for TC 8.7.3.1 | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144311 | 1553 | - | Update minimum requirements and test tolerance for TC 8.7.4.1 | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144312 | 1554 | - | Update minimum requirements and test tolerance for TC 8.8.2.1 | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144313 | 1555 | - | Update minimum requirements and test tolerance for TC 8.8.2.2 | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144347 | 1556 | - | Correction to Inter-band CA operating bands | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144352 | 1557 | - | Correction to eICIC performance test cases | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144353 | 1558 | - | Correction to UL/DL configuration in CQI requirements | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144393 | 1559 | - | RF: Corrections to A-MPR test requirements | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144416 | 1560 | - | Update configurations of CA\_39C in A-MPR for CA | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144420 | 1561 | - | Update configurations of CA\_39C in Additional spurious emissions for CA | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144436 | 1562 | - | Update of test applicabilities for TDD PDSCH Transmit Diversity | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144439 | 1563 | - | Update of test applicability for TDD PDSCH Transmit Diversity 4x2 | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144441 | 1564 | - | Update test applicabilities for TDD interference rejection test cases | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144474 | 1565 | - | Updates to TC 8.7.2.1 and 8.7.2.1\_1 for TDD SDR | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144766 | 1567 | - | Correction to CA Rx Blocking TCs | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144775 | 1568 | - | Correction of the ePDCCH TCs for applying default parameter | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144787 | 1566 | - | Addition of new TC 8.2.1.3.1\_A.3 FDD PDSCH Open Loop Spatial Multiplexing 2x2 for intra-band NC DL CA | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144801 | 1569 | - | Removal of TBDs in Clause 6.2.4A.1 (A-MPR for UL intra-band cont. CA), CA\_NS\_02 and 03, correction of Test Requirements | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144802 | 1570 | - | Correction to in-band blocking for CA requirements | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144803 | 1571 | - | Corrections to TM9 SNR requirements for eDL-MIMO | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144804 | 1572 | - | Addition of exception message for TDD MBMS | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144805 | 1573 | - | RF: Corrections to sustained data rate tests | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144806 | 1574 | - | Correction of TDD CQI Reporting under AWGN conditions - PUCCH 1-0 for CA (intra band contiguous DL CA) TC 9.6.1.2\_A.1 | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144807 | 1575 | - | Correction of TDD CQI Reporting under AWGN conditions - PUCCH 1-0 for CA (intra band non-contiguous DL CA) TC 9.6.1.2\_A.3 | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144808 | 1576 | - | Correction to the test cases 8.3.2.1.1, 8.3.2.1.2, 8.3.2.1.3 and 8.3.2.2.1 | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144809 | 1577 | - | Correction to RF General section on CA configurations | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144814 | 1578 | - | Update TC 9.3.6.1\_F FDD CQI Reporting under fading conditions multiple CSI processes for CoMP | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144815 | 1579 | - | Update TC 9.3.6.2\_F TDD CQI Reporting under fading conditions multiple CSI processes for CoMP | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144817 | 1580 | - | Addition of CoMP AWGN CQI Tests to Test Requirements Derivation in Annex F | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144818 | 1581 | - | Update minimum requirements and test tolerance for TC 8.8.3.1 | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144819 | 1582 | - | Update minimum requirements and test tolerance for TC 8.8.3.2 | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144820 | 1583 | - | Uncertainties and test tolerances for test cases 8.2.1.3.3\_E.1 and 8.2.2.3.3\_E.1 | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144821 | 1584 | - | Uncertainties and Test Tolerances for feICIC Test cases 8.2.1.2.3\_E.1 and 8.2.2.2.3\_E.1. | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144822 | 1585 | - | Uncertainties and test tolerances for test case 8.2.2.4.3 | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144824 | 1586 | - | Uncertainties and test tolerances for test cases 9.3.5.2.1 and 9.3.5.2.2 | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144826 | 1587 | - | eICIC Test Tolerance references to TS 36.904 | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144827 | 1588 | - | Addition of CA aQI Tests to Test Requirements Derivation in Annex F | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144828 | 1589 | - | ePDCCH RF: Corrections to sustained data rate tests | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144836 | 1590 | - | Update to CoMP test case 9.5.5.1\_F.2 and 9.5.5.2\_F.2 | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144839 | 1591 | - | New CA band combination CA\_NC\_42 and CA\_4-27-Update to 36.521-1 Chapter 6 | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144840 | 1592 | - | New CA band combination CA\_NC\_42 and CA\_4-27-Update to 36.521-1 Chapter 7 | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144841 | 1593 | - | Addition of CA band Combo CA\_7A-28A | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144842 | 1594 | - | Addition of CA\_2A-2A to 36.521-1 | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144844 | 1595 | - | Existing CA band combination CA\_3A-28A update to 36.521-1 7.3 | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144845 | 1596 | - | Addition of new CA band combo CA\_2A-5A to 36.521-1 | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144859 | 1597 | - | New TC: TDD CQI Reporting under AWGN conditions - PUCCH 1-0 for CA (inter band DL CA) | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144873 | 1599 | - | Correction of clause 6.3.4.1.4 in 36.521-1 | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144874 | 1600 | - | Removal of transition period for Band 28 test frequency definition | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144875 | 1601 | - | Clarification of tables used in TDD Intra band non-contiguous DL CA TCs | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144876 | 1602 | - | Introduction of new Wideband Intermodulation test for Intra-band NC CA | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144879 | 1603 | - | New CA band combination CA\_NC\_42 and CA\_4-27-Update to 36.521-1 Chapter 5 | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144880 | 1604 | - | Update reference sensitivity level for CA (intra-band contiguous DL CA without UL CA) | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144881 | 1605 | - | Update In-band blocking for CA (intra-band contiguous DL CA without UL CA) | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144891 | 1606 | - | CA RF: Adopting test frequencies selection to the new structure proposed for TS 36.508 | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144894 | 1607 | - | Corrections to 8.3.1.2.1\_D\_1 FDD PDSCH Dual-layer Spatial Multiplexing for eDL-MIMO (Release 11 and forward) | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144895 | 1608 | - | Corrections to 8.3.2.2.1\_D\_1 TDD PDSCH Dual-layer Spatial Multiplexing for eDL-MIMO (Release 11 and forward) | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144896 | 1609 | - | Correct errors in TDD PDSCH Single Antenna Port Performance test case | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144897 | 1610 | - | Separation of minimum requirements for CA UE PDSCH demodulation from single carrier | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144898 | 1611 | - | Introduction of FDD CQI Reporting under AWGN conditions - PUCCH 1-0 for CA (intra band contiguous DL CA) TC 9.6.1.1\_A.1 | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144899 | 1612 | - | Correction of FDD CQI Reporting under AWGN conditions - PUCCH 1-0 for CA (inter band DL CA) TC 9.6.1.1\_A.2 | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144900 | 1613 | - | Correction of FDD CQI Reporting under AWGN conditions - PUCCH 1-0 for CA (intra band non-contiguous DL CA) TC 9.6.1.1\_A.3 | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144901 | 1614 | - | Updates to 8.2.1.4.2\_A.1/A.2 FDD PDSCH Closed Loop Multi Layer Spatial Multiplexing 4x2 for CA related test cases | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144902 | 1615 | - | Updates to 8.2.2.3.1\_A TDD PDSCH Open Loop Spatial Multiplexing 2x2 for CA | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144903 | 1616 | - | Updates to 8.2.2.4.2\_A TDD PDSCH Closed Loop Multi Layer Spatial Multiplexing 4x2 for CA | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144904 | 1617 | - | Updates to 8.2.2.3.1 TDD PDSCH Open Loop Spatial Multiplexing 2x2 | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144905 | 1618 | - | Updates to 8.2.2.3.2 TDD PDSCH Open Loop Spatial Multiplexing 4x2 | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144906 | 1619 | - | Updates to 8.2.2.4 TDD PDSCH Closed Loop Single/Multi Layer Spatial Multiplexing 2x2 and 4x2 | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144907 | 1620 | - | Updates to 9.2.x CQI Reporting under AWGN conditions | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144916 | 1621 | - | Message contents updates for TC 9.5.5.1\_F.1+9.5.5.2\_F.1 CoMP | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144917 | 1622 | - | FDD CQI Reporting under AWGN conditions - Single CSI Process TC 9.2.4.1\_F - Editor Notes Resolution | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144918 | 1623 | - | TDD CQI Reporting under AWGN conditions - Single CSI Process TC 9.2.4.2\_F - Editor Notes Resolution | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144920 | 1624 | - | Addition of SDR test case 8.7.1.1\_A.3 for intra-band NC DL CA | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144922 | 1625 | - | New TC: TDD PDSCH Closed Loop Multi Layer Spatial Multiplexing 4x2 for CA (inter band DL CA) | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144923 | 1626 | - | New TC: TDD PDSCH Single Antenna Port Performance for CA (inter-band DL CA) | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144924 | 1627 | - | New TC: TDD PDSCH Open Loop Spatial Multiplexing 2x2 for CA (inter-band DL CA) | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144925 | 1628 | - | New TC: TDD sustained data rate performance for CA (inter-band DL CA) | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144926 | 1629 | - | Update Out-of-band blocking for CA (intra-band contiguous DL CA without UL CA) | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144928 | 1630 | - | Message contents updates for Demod feICIC test cases | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144930 | 1631 | - | Addition of new TC 8.2.2.3.1A\_A.3 TDD Soft buffer management test for intra-band NC DL CA | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144931 | 1632 | - | Addition of new TC 8.2.1.4.2\_A.3 FDD PDSCH Closed Loop Multi Layer Spatial Multiplexing 4x2 for CA (intra band NC DL CA) | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144932 | 1633 | - | Updates to TCs 8.2.1.3.1\_A.1/A.2 for FDD PDSCH Open Loop Spatial Multiplexing 2x2 for CA | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144933 | 1634 | - | Updates to 8.7.1.1\_A FDD SDR for CA related test cases | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144934 | 1635 | - | Addition of new TC 8.2.2.3.1A\_A.2 TDD Soft buffer management test for inter-band DL CA | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144936 | 1636 | - | Updates of Annex F.1.4 and F.3.4 for newly added performance test cases | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144938 | 1637 | - | Updates to TC 8.2.2.1 TDD PDSCH Single Antenna Port Performance (Cell-Specific Reference Symbols) related test cases | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144939 | 1638 | - | Updates to 8.2.2.2 TDD PDSCH Transmit Diversity Performance (Cell-Specific Reference Symbols) | 12.2.0 | 12.3.0 |
| 2014-09 | RAN#65 | R5-144942 | 1640 | - | Updates to TC 9.6.1.1\_A.2 FDD CQI Reporting under AWGN conditions – PUCCH 1-0 for CA (inter band DL CA) | 12.2.0 | 12.3.0 |
| 2014-12 | RAN#66 | R5-145014 | 1641 | - | Corrections to CA Blocking TCs minimum requirements | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145015 | 1642 | - | Correction to CA Spurious Response TC minimum requirements | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145125 | 1645 | - | RF: Review of definition of CSI measurement channels with dynamic coding rate | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145128 | 1646 | - | RF: Review of references to CSI measurement channels with dynamic coding rate | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145175 | 1647 | - | New CA band combination CA\_1A-3A - Updates of 5.2A Operating bands | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145176 | 1648 | - | New CA band combination CA\_1A-3A - Updates of 5.4.2A Channel Bandwidth | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145177 | 1649 | - | New CA band combination CA\_1A-3A - Updates of 6.2.5 Delta TIB | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145178 | 1650 | - | New CA band combination CA\_1A-3A - Updates of 7.3.3 Delta RIB | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145189 | 1651 | - | eICIC-RF: Corrections to PDCCH performance tests | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145196 | 1652 | - | RF: Corrections to RMC-s tables | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145210 | 1653 | - | CA-RF: Correction to OBW requirement | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145222 | 1654 | - | Introduction of UE maximum output power for CA\_42C | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145223 | 1655 | - | Introduction of Spurious emission band UE co-existence for CA\_42C | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145229 | 1656 | - | Update the minimum requirement and test requirements of TC 8.8.3 localized transmission with TM10 | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145232 | 1657 | - | Existing CA band combination CA\_4A-27A and new CA band combination CA\_41A-42A update to 36.521-1 section 5.4.2A.1 | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145234 | 1658 | - | New CA band combination CA\_41A-42A update to 36.521-1 section 5.2A | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145235 | 1659 | - | New CA band combination CA\_41A-42A update to 36.521-1 section 6.2.5 | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145236 | 1660 | - | New CA band combination CA\_41A-42A update to 36.521-1 section 7.3.3 | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145291 | 1661 | - | CQI reporting in AWGN and in fading: CQI indices in set | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145311 | 1662 | - | Clarification for CA ACS and Wideband Intermodulation testcases | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145374 | 1663 | - | New CA band combination CA\_18A-28A - Updates of 5.2A Operating bands | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145375 | 1664 | - | New CA band combination CA\_18A-28A - Updates of 5.4.2A Channel bandwidth | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145376 | 1665 | - | New CA band combination CA\_18A-28A - Updates of 6.2.5.3 Delta TIB | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145377 | 1666 | - | New CA band combination CA\_18A-28A - Updates of 7.3A Delta RIB | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145407 | 1667 | - | Alignment with 36.521-2 on UE categories for COMP | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145425 | 1668 | - | Removal of Non-contiguous Allocation within a Component Carrier Testpoints from UL CA MPR, Spectrum Emissions and ACLR Tests | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145431 | 1669 | - | Correction on parameters for high speed train scenario | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145436 | 1670 | - | Update TC 9.3.6 CQI Reporting under fading conditions Multiple CSI processes for CoMP | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145437 | 1671 | - | New CA band combination 1+11 and 8+11 û Introduction of 1+11 and 8+11 to 36.521-1 chapter 5 | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145438 | 1672 | - | New CA band combination 1+11 and 8+11 û Introduction of 1+11 and 8+11 to 36.521-1 chapter 6 | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145439 | 1673 | - | New CA band combination 1+11 and 8+11 û Introduction of 1+11 and 8+11 to 36.521-1 chapter 7 | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145465 | 1674 | - | Correction to TC 8.2.1.1.1\_A.1 FDD PDSCH Single Antenna Port Performance for CA | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145479 | 1675 | - | Corrections to throughput calculation for feICIC demodulation minimum requirements | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145480 | 1676 | - | Test Tolerances for TC 8.5.1.2.3\_E.1 FDD PHICH Transmit Diversity 2x2 for feICIC (non-MBSFN ABS) | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145481 | 1677 | - | Test Tolerances for TC 8.5.2.2.3\_E.1 TDD PHICH Transmit Diversity 2x2 for feICIC (non-MBSFN ABS) | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145486 | 1678 | - | Uncertainties and Test Tolerances to Annex F for PHICH feICIC | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145487 | 1679 | - | Corrections to Annex G for minimum test time for demodulation for feICIC | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145505 | 1680 | - | Updates to TDD SDR CA test cases | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145532 | 1681 | - | Addition of missing bandwidth combination sets for inter-band CA | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145536 | 1682 | - | Additions to CoMP Demod test cases 8.3.1.3.1\_F and 8.3.2.4.1\_F | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145539 | 1683 | - | Addition of Band 30 in Max output power test cases | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145540 | 1684 | - | Addition of Band 30 in Max power reduction test cases | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145543 | 1685 | - | Addition of Band 30 in Spurious emission UE co-existence test cases | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145559 | 1686 | - | Correction to 6.3.5A.1.1 | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145638 | 1687 | - | Correction to HPUE Applicability statements in TS 36.521-1 | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145800 | 1688 | - | RF: Modification of test description to refer to State 2A-RF | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145803 | 1689 | - | Removal of Non-contiguous Allocation within a Component Carrier Testpoints from UL CA A-MPR and Additional Spectrum/Spurious Emissions Tests | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145804 | 1690 | - | Addition of RF requirements in later releases | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145805 | 1691 | - | eDL-MIMO RF: Correction to TC 8.3.1.1.1\_D | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145808 | 1692 | - | Correction on support of a bandwidth combination set | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145809 | 1693 | - | Correction to TC 8.7.1.1\_A FDD sustained data rate performance for CA | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145810 | 1694 | - | Correction to TC 8.2.2.1.1\_A.1 TDD PDSCH Single Antenna Port Performance for CA | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145811 | 1695 | - | Corrections to TC 8.2.2.1.1\_A.3 TDD PDSCH Single Antenna Port Performance for CA | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145812 | 1696 | - | Corrections to TC 8.2.2.4.2\_A.3 TDD PDSCH Closed Loop Multi Layer Spatial Multiplexing 4 x 2 for CA | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145813 | 1697 | - | Corrections to Annex G for CA Enhancements | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145825 | 1698 | - | Uncertainties and TT for CoMP test case 9.5.5.1\_F.2 and 9.5.5.2\_F.2 | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145835 | 1699 | - | Update Uncertainties for RI Test cases 9.5.x | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145839 | 1700 | - | Update of Demodulation of PDSCH CoMP TCs | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145840 | 1701 | - | Uncertainties and Test Tolerances for CoMP Test cases 8.3.1.3.3\_F, 8.3.2.4.2\_F, 8.3.2.4.3\_F | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145841 | 1702 | - | Correction to CoMP TDD RI test case | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145846 | 1703 | - | Introduction of CA\_42C in section 5 of TS 36.521-1 | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145847 | 1704 | - | New CA band combination CA\_4A-27A and CA\_41A-42A update to 36.521-1 section 7.3A.3 | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145848 | 1705 | - | Introduction of receiver requirements for CA\_42C into TS 36.521-1 | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145851 | 1706 | - | Addition of operating band 30 to TS 36.521-1 Clause 7 for receiver tests | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145853 | 1707 | - | Sections 3 and 4 update on 3DL CA WI | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145854 | 1708 | - | Addition of new 2DL(CA\_1A-42A and CA\_19A-42A) and 3DL CA band combinations(CA\_1A-3A-19A, CA\_1A-19A-21A, CA\_1A-42C and CA\_19A-42C) | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145855 | 1709 | - | New CA band combination CA\_18A-28A - Updates of 7.3A Refsens | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145856 | 1710 | - | Update of CA Maximum input level Test cases | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145857 | 1711 | - | Update of CA ACS Test cases | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145858 | 1712 | - | Update of CA Blocking and Spurious Response Test cases | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145859 | 1713 | - | Update of CA Rx Intermodulation Test cases | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145872 | 1714 | - | Update to applicability for TM9 test cases | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145874 | 1715 | - | RF: Correction to A-MPR requirements with NS\_20 | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145876 | 1716 | - | Applicability of CSI requirements for CA capability | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145880 | 1717 | - | Addition of Band 30 in Additional Max power reduction test cases | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145881 | 1718 | - | Addition of Band 30 in Additional SEM test cases | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145882 | 1719 | - | Addition of Band 30 in Additional Spurious emission test cases | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145883 | 1720 | - | Update the minimum requirement and test requirements of TC 8.8.2 localized transmission with TM9 | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145884 | 1721 | - | New CA band combination CA\_1A-3A - Updates of 7.3A Refsens | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145885 | 1722 | - | New CA band combination CA\_NC\_41A and CA\_NC\_42A update to 36.521-1 section 7.4A.4 and 7.5A.4 | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145886 | 1723 | - | New CA band combination CA\_NC\_41A and CA\_NC\_42A update to 36.521-1 section 7.6.1A.4, 7.6.2A.4 and 7.6.3A.4 | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145887 | 1724 | - | New CA band combination CA\_NC\_41A and CA\_NC\_42A update to 36.521-1 section 7.8.1A.4 | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145888 | 1725 | - | Existing CA band combination CA\_39C: update bandwidth combination to CQI test | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145889 | 1726 | - | Existing CA band combination CA\_39C: update bandwidth combination to PDSCH TM1 test | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145890 | 1727 | - | Existing CA band combination CA\_39C: update bandwidth combination to PDSCH TM3 test | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145891 | 1728 | - | Existing CA band combination CA\_39C: update bandwidth combination to PDSCH TM4 test | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145893 | 1729 | - | 7A-7A NC CA RX RF Tests Testpoint Correction | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145896 | 1730 | - | CA-RF: Correction to ACLR test points | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145898 | 1731 | - | Intraband Contiguous CA RF Tests Testpoint Choice Clarification | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145899 | 1732 | - | Updates to Spurious emission band UE co-existence test cases 6.6.3.2 and 6.6.3.2A.1 | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145900 | 1733 | - | Chapter 7 RX RF Tests Intra-band contiguous Test Configuration Tables Cleanup | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145901 | 1734 | - | Updates to FDD and TDD PDSCH Soft buffer management test (inter-band DL CA) | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145902 | 1735 | - | Updates to TM3 CA demodulation tests for release independence | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145917 | 1736 | - | Addition of CRS assistance data in message contents for feICIC demodulation test cases | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145922 | 1737 | - | Introduction of TC 8.2.1.1.1\_A.3 FDD PDSCH Single Antenna Port Performance for CA | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145926 | 1739 | - | New CA band combination CA\_NC\_41A and CA\_NC\_42A update to 36.521-1 section 7.3A.4 | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145933 | 1740 | - | Existing CA band combination CA\_39C: update annex tables for 20+15MHz | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145934 | 1741 | - | Reconstruction of FDD SDR test cases based on Release independent rule | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145935 | 1742 | - | RF: Cleanup of sustained data rate test cases | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145936 | 1743 | - | Applicability of Demodulation requirements for CA capability | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145975 | 1643 | - | CA-RF: Review of test frequencies clause 8 | 12.3.0 | 12.4.0 |
| 2014-12 | RAN#66 | R5-145976 | 1644 | - | CA-RF: Review of test frequencies clause 9 | 12.3.0 | 12.4.0 |
| 2015-03 | RAN#67 | R5-150112 | 1744 | - | Addition of CA\_2-30 to Clause 5.2A of TS 36.521-1. | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150135 | 1745 | - | Addition of CA\_5-30 to Clause 5.2A of TS 36.521-1. | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150136 | 1746 | - | Addition of CA\_5A-30A to Clause 5.4.2A of TS 36.521-1. | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150169 | 1747 | - | Addition of CA\_4A-5A-30A to Clause 5.4.2A of TS 36.521-1. | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150181 | 1748 | - | Addition of new TC 9.3.6.1\_F.2 FDD CQI Reporting under fading conditions with Three CSI processes for CoMP | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150184 | 1749 | - | Addition of new TC 9.3.6.2\_F.2 TDD CQI Reporting under fading conditions with Three CSI processes for CoMP | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150186 | 1840 | - | Addition of TT for new TCs 9.3.6.1\_F.1, 9.3.6.1\_F.2, 9.3.6.1\_F.3, 9.3.6.2\_F.1, 9.3.6.2\_F.2 and 9.3.6.2\_F.3 | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150209 | 1750 | - | Corrections to 1 PRB allocation performance in presence of MBSF | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150210 | 1751 | - | Corrections to the Common Test Parameters for User-specific Reference Symbols | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150214 | 1752 | - | Test Tolerances for 8.3.1.2.1\_D\_1 FDD PDSCH Dual-layer Spatial Multiplexing for eDL-MIMO Rel-11 | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150215 | 1753 | - | Test Tolerances for 8.3.2.2.1\_D\_1 TDD PDSCH Dual-layer Spatial Multiplexing for eDL-MIMO Rel-11 | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150216 | 1754 | - | Uncertainties and Test Tolerances to Annex F for PDSCH for eDL-MIMO Rel-11 | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150234 | 1755 | - | CA RF: Corrections to power imbalance test | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150252 | 1756 | - | Update of non-contiguous CA Rx Test Cases | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150364 | 1757 | - | ePDCCH RF: Corrections to sustained data rate test | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150373 | 1758 | - | Introduction of new CA band combinations 5+25 and 12+25 for Transmitter Characteristics | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150409 | 1759 | - | Correction in cl.3 of 36.521-1 | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150415 | 1760 | - | Correction to message exceptions for eICIC performance test cases | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150416 | 1761 | - | Clean up on Performance and CSI test cases for eICIC and feICIC | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150417 | 1762 | - | Correction to test procedure in CQI Reporting under AWGN for feICIC | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150420 | 1763 | - | Correction to minimum test time for feICIC performance tests in G.3A.5 | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150437 | 1764 | - | New CA band combination CA\_1A-28A - Updates of 5.2A Operating bands | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150438 | 1765 | - | New CA band combination CA\_1A-28A - Updates of 5.4.2A Channel bandwidth | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150440 | 1766 | - | New CA band combination CA\_1A-28A - Updates of 6.2.5.3 Delta TIB | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150441 | 1767 | - | New CA band combination CA\_1A-28A - Updates of 7.3.3 Delta RIB | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150452 | 1768 | - | New CA band combination CA\_1A-18A-28A - Updates of 5.4.2A Channel bandwidth | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150453 | 1769 | - | New CA band combinations (CA\_1A-41A, CA\_1A-41C) - Updates of 5.2A Operating bands | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150455 | 1770 | - | New CA band combinations (CA\_26A-41A, CA\_26A-41C) - Updates of 5.2A Operating bands | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150456 | 1771 | - | New CA band combination CA\_1A-18A-28A - Updates of 5.2A Operating bands | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150460 | 1772 | - | Correction to the description of duplex mode related to CA\_18A-28A | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150461 | 1773 | - | Correction to the test frequencies and test CC combinations for CA\_18A-28A | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150472 | 1774 | - | Correction to requirements for test case 7.6.2A.1 and 7.6.2A.2 | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150476 | 1775 | - | Removal of Note 1 in requirements of TC 6.2.2A | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150478 | 1776 | - | Addition of &#916:RIB,c to requirements of blocking and spurious response test cases | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150479 | 1777 | - | Correction to PUSCH configuration details for 36.521-1 4x2 CA test cases | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150505 | 1778 | - | Added TT in annex for TDD inter band CA performance tests | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150506 | 1779 | - | Updated TT in TDD inter band CA performance tests | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150522 | 1780 | - | Addition of CA\_1A-20A to TS 36.521-1 | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150543 | 1781 | - | Addition of 2A-12A and 5A-13A 2DL Interband CA to 36.521-1 | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150606 | 1782 | - | Clarification on bandwidth to be tested | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150800 | 1783 | - | Correction to 6.6.3.2 of Tx Spurious | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150801 | 1784 | - | Correction in 6.2.5A and 6.5.1A of 36.521-1 | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150802 | 1785 | - | Fixing numbering in Table 6.6.2.3A.1.4.1-1 | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150803 | 1786 | - | Change of test points for A-MPR in band 26 | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150809 | 1787 | - | Addition of BCS1 to 25A-25A CA | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150810 | 1788 | - | Introduction of CA\_1A-7A to TS 36.521-1 | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150811 | 1789 | - | Correction to test points for intra-band contiguous receiver test cases | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150816 | 1790 | - | Addition of CA\_2A-30A to Clause 7.3.3 of TS 36.521-1. | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150817 | 1791 | - | Addition of CA\_2A-30A to Clause 6.2.5 of TS 36.521-1. | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150818 | 1792 | - | Addition of CA\_2A-30A to Clause 5.4.2A of TS 36.521-1. | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150819 | 1793 | - | Addition of CA\_4A-30A to Clause 7.3.3 of TS 36.521-1. | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150820 | 1794 | - | Addition of CA\_4A-30A to Clause 6.2.5 of TS 36.521-1. | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150821 | 1795 | - | Addition of CA\_4-30 to Clause 5.2A of TS 36.521-1. | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150822 | 1796 | - | Addition of CA\_4A-30A to Clause 5.4.2A of TS 36.521-1. | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150823 | 1797 | - | Addition of CA\_5A-30A to Clause 7.3.3 of TS 36.521-1. | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150824 | 1798 | - | Addition of CA\_5A-30A to Clause 6.2.5 of TS 36.521-1. | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150825 | 1799 | - | Addition of CA\_4-5-30 to Clause 5.2A of TS 36.521-1. | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150826 | 1800 | - | Addition of new TC FDD PDSCH Single Antenna Port Performance for CA (3DL CA) | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150827 | 1801 | - | Addition of CA\_2A-2A-13A to TS 36.521-1 | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150828 | 1802 | - | Addition of 40D,41D,41C-41A and 25A-25A BCS1 to Channel BW for CA tables | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150829 | 1803 | - | Addition of multiple interband 3DL CA Combinations to Channel BW for CA tables | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150848 | 1804 | - | Addition of new TC 9.3.6.1\_F.1 FDD CQI Reporting under fading conditions with Single CSI process for CoMP | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150849 | 1805 | - | Addition of new TC 9.3.6.1\_F.3 FDD CQI Reporting under fading conditions with Four CSI processes for CoMP | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150850 | 1806 | - | Addition of new TC 9.3.6.2\_F.1 TDD CQI Reporting under fading conditions with Single CSI process for CoMP | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150851 | 1807 | - | Addition of new TC 9.3.6.2\_F.3 TDD CQI Reporting under fading conditions with Four CSI processes for CoMP | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150860 | 1808 | - | Introduction of new CA band combinations 5+25 and 12+25 for Receiver Characteristics | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150861 | 1809 | - | Addition of CA\_1A-7A-20A to TS 36.521-1 | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150862 | 1810 | - | Update of minimum requirements for TC 6.2.5 Configured UE transmitted Output Power | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150863 | 1811 | - | Updates of minimum requirement to reference sensitivity for CA | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150865 | 1812 | - | Addition of new TC TDD PDSCH Single Antenna Port Performance for CA (3DL CA) | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150866 | 1813 | - | Addition of new TC FDD Sustained data rate performance for CA (3DL CA) | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150867 | 1814 | - | Addition of new TC TDD Sustained data rate performance for CA (3DL CA) | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150869 | 1839 | - | Addition of Cell IDs for 3DL CA Rx tests | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150870 | 1815 | - | New CA band combinations (CA\_1A-41A, CA\_1A-41C) - Updates of 5.4.2A Channel bandwidth | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150871 | 1816 | - | New CA band combinations (CA\_26A-41A, CA\_26A-41C) - Updates of 5.4.2A Channel bandwidth | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150935 | 1817 | - | Change in UE co-existence 6.6.3.2 harmonic emissions exceptions | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150874 | 1818 | - | CA RF: Updates to in-band emissions requirements | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150875 | 1819 | - | Correction to test procedure of TC 7.6.1A.4 | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150880 | 1820 | - | Update of CA sustained data rate tests | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150881 | 1821 | - | Aligning Bandwidth Combination Sets with latest core specification | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150892 | 1822 | - | Update to TC 7.5A.4 Adjacent Channel Selectivity (ACS) for CA (intra-band non-contiguous DL CA without UL CA) | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150897 | 1823 | - | New CA band combination CA\_1A-28A - Updates of 7.3A Refsens | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150928 | 1824 | - | Updates to Spurious emission band UE co-existence test case 6.6.3.2 | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150906 | 1825 | - | Updates to FDD and TDD RI Reporting test cases for CoMP | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150929 | 1827 | - | Addition of CA capability in Rx tests | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150913 | 1828 | - | Addition of Multi-Cluster PUSCH with One Uplink Carrier test cases to 36.521-1 | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150915 | 1829 | - | Addition of CA capability and applicability changes to Section 8 36.521-1 FDD TM3 CA test cases | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150916 | 1830 | - | Changes to Annex F of 36.521-1 related to CA capability and applicability changes to FDD CA test cases | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150917 | 1831 | - | Correction to CA applicability and test rules | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150918 | 1832 | - | Addition of CA capability and applicability changes to 36.521-1 FDD TM1 CA test cases | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150919 | 1833 | - | Update to LTE CA Sustained Data rate test cases | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150920 | 1834 | - | CA demod Soft Buffer test case variants merge | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150921 | 1835 | - | Addition of CA capability and applicability changes to Section 8 36.521-1 FDD TM4 CA test cases | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150922 | 1836 | - | Addition of CA capability and applicability changes to FDD chap9 CA test cases | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150925 | 1837 | - | Introduction of Test Case for Maximum input level for 3DL CA | 12.4.0 | 12.5.0 |
| 2015-03 | RAN#67 | R5-150926 | 1838 | - | Addition of new TC of reference sensitivity for 3DL CA | 12.4.0 | 12.5.0 |
| 2015-06 | RAN#68 | R5-151067 | 1841 | - | Removal of Extreme Conditions from TC 6.6.2.1A test environment | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151114 | 1843 | - | RF: Missing power class information | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151116 | 1845 | - | CA RF: Clarification of PHICH configuration | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151117 | 1846 | - | RF: Corrections to CSI RMCs references | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151121 | 1850 | - | ePDCCH RF: Corrections to sustained data rate test | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151122 | 1851 | - | feICIC RF: Updates to TC 9.2.1.6\_E.1 | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151123 | 1852 | - | feICIC RF: Corrections to CSI TCs | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151151 | 1853 | - | Correction to the requirements of test case 6.6.2.1A | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151152 | 1854 | - | Addition of Rx parameter for test case 7.6.2A.1 and 7.6.2A.2 | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151181 | 1855 | - | CA RF: Corrections to the applicability clause | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151195 | 1857 | - | Corrections to CSI Reference Measurement Channel | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151213 | 1871 | - | Updating Annex A relevant for the introduced of eDL MIMO enhancement Tests | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151214 | 1872 | - | Updating Annex B Beam steering approach for eDL MIMO enhancement Tests | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151215 | 1873 | - | Updating Annex I relevant for the introduced of eDL MIMO enhancement Tests | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151231 | 1874 | - | CoMP TCs applicability update section 8 | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151237 | 1876 | - | Update of CoMP TCs 9.2.4.1\_F and 9.2.4.2\_F | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151238 | 1877 | - | Update of CoMP TCs in sections 9.3.6.1\_F and 9.3.6.2\_F | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151256 | 1884 | - | Update of CoMP TCs in section 8 | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151257 | 1885 | - | Update of CoMP TCs 9.5.5.1\_F.1 and 9.5.5.2\_F.1 | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151329 | 1902 | - | Addition of band 32 to clause 6 in 36.521-1 | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151366 | 1912 | - | Removal of double table 7.6.1B.5-2 | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151367 | 1913 | - | Corrections to UL CA Test Cases | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151369 | 1915 | - | Editorial corrections to TC 6.6.1 | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151425 | 1940 | - | Addition of Band 32 in Receiver test cases | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151487 | 1955 | - | Introduction of new test case 8.9.1.1.1 MTC | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151515 | 1962 | - | Correction to test case 6.3.3A.1: UE Transmit OFF power for CA (intra-band contiguous DL CA and UL CA) | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151561 | 1963 | - | Update to TX test case 6.6.3.3 Additional spurious emissions | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151591 | 1976 | - | 36.521-1: CA Soft buffering corrections | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151616 | 1978 | - | Introduction of new test case 9.7.1.1 MTC | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151639 | 1980 | - | Test points correction in test case 7.3A.2 for CA\_23B in 36.521-1 | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151802 | 1875 | 1 | CoMP TCs applicability update section 9 | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151805 | 1904 | 1 | Clarification to spurious emission requirement for the edge of spurious domain | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151806 | 1842 | 1 | Missing NS Value for Band 30 Reference Sensitivity Testing and Missing Message Content Exceptions | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151807 | 1891 | 1 | Correction of UL RB Allocation in Interband DL CA Testcases | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151808 | 1898 | 1 | Correction of CA\_25A-25A wrong allocation in Chapter 7 Table 7.3A.4.4.1-1 | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151809 | 1914 | 1 | Updates for interferer placement in non-contiguous CA | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151811 | 1903 | 1 | Correction of UEs category for TDD sustained data rate performance | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151812 | 1952 | 1 | Updates to 36.521-1 Annex F and G | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151813 | 1916 | 1 | Clean up of PDSCH performance test cases | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151814 | 1924 | 1 | Clean up of eDL-MIMO test cases | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151815 | 1925 | 1 | Clean up of TM9 interference model test cases | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151816 | 1926 | 1 | Correction to eICIC performance test cases | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151817 | 1927 | 1 | Correction to CQI and RI reporting test in feICIC | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151818 | 1928 | 1 | Correction to PDSCH demodulation test in feICIC | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151819 | 1929 | 1 | Clean up on PCFICH/PDCCH demodulation test in feICIC | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151820 | 1930 | 1 | Clean up on PHICH demodulation test in feICIC | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151821 | 1932 | 1 | Correction of PMI test cases in the section 9.4.1 and 9.4.2 | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151822 | 1966 | 1 | Removal of the correlation matrix of HST propagation conditions | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151825 | 1979 | 1 | Updates to CoMP test cases 9.5.5.x | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151854 | 1909 | 1 | Addition of new TC FDD PDSCH 2x2 Open Loop Performance for 3DL CA | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151855 | 1910 | 1 | Addition of new TC FDD PDSCH 4x2 Closed Loop Performance for 3DL CA | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151856 | 1967 | 1 | Introduction of TC TDD PDSCH Closed Loop Multi Layer Spatial Multiplexing 4X2 for CA (3DL CA) | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151857 | 1968 | 1 | Introduction of TC TDD PDSCH Open Loop Spatial Multiplexing 2X2 for CA (3DL CA) | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151858 | 1969 | 1 | New CA band combination CA\_1A-41A and CA\_26A-41A - Updates of 6.2.5.3 Delta TIB | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151859 | 1970 | 1 | New CA band combination CA\_1A-41A and CA\_26A-41A - Updates of 7.3.3 Delta RIB | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151884 | 1878 | 1 | New TCs: FDD PMI Reporting with 4Tx enhanced codebook - PUSCH 1-2 (Multiple PMI) for eDL-MIMO Enhancement | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151885 | 1879 | 1 | New TCs: TDD PMI Reporting with 4Tx enhanced codebook - PUSCH 1-2 (Multiple PMI) for eDL-MIMO Enhancement | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151891 | 1901 | 1 | Addition of band 32 to clause 5 in 36.521-1 | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151894 | 1941 | 1 | Addition of test case 6.2.2E - UE Maximum Output Power for UE category 0 | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151895 | 1943 | 1 | Introduction of UE category 0 in section 4 of 36.521-1 | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151896 | 1954 | 1 | Update of SNR definition in clause 8.1.1 | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151897 | 1859 | 1 | Introduction of TC 6.3.5A.1.2 Power Control Absolute Power Tolerance for CA | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151899 | 1860 | 1 | Introduction of TC 6.3.5A.1.3 Power Control Absolute Power Tolerance for CA | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151900 | 1883 | 1 | New CA 2UL Tx test case 6.2.2A.3 | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151901 | 1861 | 1 | Introduction of TC 6.3.5A.2.3 Power Control Relative Power Tolerance for CA | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151902 | 1862 | 1 | Introduction of TC 6.3.5A.2.2 Power Control Relative Power Tolerance for CA | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151903 | 1863 | 1 | Introduction of TC 6.7A.2 Transmit intermodulation for CA | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151921 | 1886 | 1 | Updates of minimum requirement for reference sensitivity for CA | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151922 | 1887 | 1 | Addition of test points and test requirements for 3DL inter-band CA | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151926 | 1977 | 1 | Update of 7.6.1A.1 | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151928 | 1918 | 1 | Correction to CQI reference measurement channels | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151929 | 1849 | 1 | CA RF: Corrections to sustained data rate test | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151930 | 1946 | 1 | Update two band and three band information in test case 7.3 | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151931 | 1888 | 1 | Update of Maximum input level for CA (3DL CA without UL CA) | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151932 | 1950 | 1 | Introduction of TDD FDD CA with TDD as Pcell for PDSCH Single Antenna Port Performance | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151933 | 1951 | 1 | Introduction of TDD FDD CA with FDD as Pcell for PDSCH Single Antenna Port Performance | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151934 | 1956 | 1 | Introduction to test case 9.6.1.1\_A.2: FDD CQI Reporting under AWGN conditions – PUCCH 1-0 (3DL CA) | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151935 | 1957 | 1 | Introduction to test case 9.6.1.2\_A.2: TDD CQI Reporting under AWGN conditions – PUCCH 1-0 (3DL CA) | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151936 | 1965 | 1 | Addition of CA capability and applicability for 3 DL CCs in Chapter 8 | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151937 | 1971 | 1 | New CA band combination CA\_1A-41A and CA\_26A-41A - Updates of 7.3A Refsens | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151938 | 1972 | 1 | New CA band combination CA\_1A-18A-28A - Updates of 7.3.3 Delta RIB and 7.3A Refsens | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151940 | 1958 | 1 | Introduction to test case 6.3.3A.3: UE Transmit OFF power for CA (intra-band non-contiguous DL CA and UL CA) | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151941 | 1959 | 1 | Introduction to test case 6.3.4A.1.3: General ON/OFF time mask for CA (intra-band non-contiguous DL CA and UL CA) | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151942 | 1960 | 1 | Introduction to test case 6.6.1A.3: UE Occupied bandwidth for CA (intra-band non-contiguous DL CA and UL CA) | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151943 | 1961 | 1 | Introduction to test case 6.6.2.1A.3: Spectrum Emission Mask for CA (intra-band non-contiguous DL CA and UL CA) | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151944 | 1893 | 1 | Merge of TDD CQI Reporting under AWGN conditions – PUCCH 1-0 for CA cases | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151945 | 1936 | 1 | Introduction of TC 7.6.2A.5 Out-of-band blocking for CA (3DL CA without UL CA) | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151946 | 1983 | 1 | Introduction of TC 7.6.3A.5 Narrow-band blocking for CA (3DL CA without UL CA) | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151947 | 1937 | 1 | Introduction of TC 7.7A.5 Spurious response for CA (3DL CA without UL CA) | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151948 | 1935 | 1 | Introduction of TC 7.6.1A.5 In-band blocking for CA (3DL CA without UL CA) | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-151950 | 1844 | 1 | CA RF: PCC/SCC mapping onto physical CC-s definition cleanup | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-152000 | 1848 | 1 | CA RF: Corrections to power imbalance test | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-152001 | 1953 | 1 | Correction to 9.3.1.3.1\_E.1 FDD CQI Reporting test | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-152002 | 1858 | 1 | Corrections to Reference Measurement Channel | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-152003 | 1911 | 1 | Update of DL RMCs for PDSCH performance requirements | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-152004 | 1947 | 1 | Addition of CA capability, applicability changes and core spec updates to Section 8 36.521-1 TDD TM1 CA test cases | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-152005 | 1948 | 1 | Addition of CA capability, applicability changes and core spec updates to Section 8 36.521-1 TDD TM3 CA test cases | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-152006 | 1949 | 1 | Addition of CA capability, applicability changes and core spec updates to Section 8 36.521-1 TDD TM4 CA test cases | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-152007 | 1974 | 1 | Editorial correction to 8.2.1.1.1\_A.1 and 8.2.1.3.1\_A.1 | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-152013 | 1856 | 1 | Addition of Chapter 7 3DL CA Test Configuration Tables | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-152017 | 1938 | 1 | Introduction of test case 7.8.1A.5 Wideband intermodulation for CA (3DL CA without UL CA) | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-152018 | 1942 | 1 | Addition of test case 7.3E - Reference sensitivity level for UE category 0 | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-152020 | 1882 | 1 | New CA 2UL Tx test case 6.2.2A.2 | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-152021 | 1944 | 1 | Introduction of test case Maximum Power Reduction (MPR) for CA (inter-band DL CA and UL CA) | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-152022 | 1945 | 1 | Introduction of test case Maximum Power Reduction (MPR) for CA (intra-band non-contiguous DL CA and UL CA) | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-152025 | 1922 | 1 | Corrections to spurious emission band co-existence limit tables in clause 6 | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-152027 | 1896 | 1 | Update Reference Channel and Minimum test time for TDD CA power imbalance demodulation test | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-152028 | 1897 | 1 | Update TDD CA BW combination to power imbalance test | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-152031 | 1908 | 1 | Update of TC8.2.1.1.1\_A.2:FDD PDSCH Single Antenna Performance for 3DL CA | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-152032 | 1900 | 1 | Addition of Multiple 3DL CA Combinations to Chapter 7 Delta RIB and REFSENS Exceptions Tables | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-152033 | 1906 | 1 | Clarification of the power of interferer with deltaRIBc | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-152038 | 1889 | 1 | Introduction of ACS Test Case for 3DL CA without UL CA | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-152043 | 1923 | 2 | Addition and alignment of all Rel-12 CA configurations in Section 5 | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-152133 | 1939 | 2 | NS value for intra-band contiguous CA configurations not allowed A-MPR | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | R5-152136 | 1981 | 2 | 36.521-1: DL Sustained Data Rate clarifications | 12.5.0 | 12.6.0 |
| 2015-06 | RAN#68 | - | - | - | section 8.2.1.4.3 which was deleted by mistake due to a wrong implementation of R5-150921 was restored | 12.5.0 | 12.6.0 |
| 2015-09 | RAN#69 | R5-153100 | 1991 | - | Corrections to EVM and Carrier leakage CA test cases | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153101 | 1992 | - | Update of EVM minimum requirements | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153243 | 2017 | - | CA RF: Minor corrections | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153244 | 2018 | - | eDL-MIMO RF: Minor corrections | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153245 | 2019 | - | CA RF: Correction to applicability of SDR test | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153247 | 2021 | - | eICIC and feICIC RF: Corrections to PDSCH RMCs used for PDCCH performance | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153300 | 2029 | - | Addition of new TC of Frequency error for inter-band CA | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153305 | 2033 | - | Addition of new TC of Reference sensitivity level for 2UL inter-band CA | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153317 | 2037 | - | CA RF: Addition of missing requirements for CA\_4A-12A | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153318 | 2038 | - | RF: Clarifications for TC 6.6.3.2 | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153322 | 2042 | - | RF: Correction to TC 6.6.3.3A | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153362 | 2053 | - | Clean up for Tx test cases | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153364 | 2055 | - | Correction to DL parameters in CA Rx tests | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153365 | 2056 | - | Correction to 7.6.1A.4 In-band blocking for non-contiguous CA | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153367 | 2058 | - | Removable of PCFICH\_RA in 8.4 and 8.5 | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153371 | 2062 | - | Correction to CQI reporting under AWGN for eDL-MIMO | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153372 | 2063 | - | Correction to CQI reporting under fading(PUSCH3-1) for eDL-MIMO | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153373 | 2064 | - | Correction to CQI reporting under fading(PUCCH1-1) for eDL-MIMO | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153375 | 2066 | - | Correction to RI reporting test for eDL-MIMO | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153377 | 2068 | - | Correction to CQI reporting test for TM9 | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153378 | 2069 | - | Correction to feICIC CQI reporting test procedure in 9.2.1.5\_E.1 | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153423 | 2075 | - | Updates of ?TIB,c values to TC 6.2.5 | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153460 | 2091 | - | Correction of 1A-3A-5A CA REFSENS DL Allocation | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153462 | 2092 | - | Addition of several definitions to chapter 3 | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153474 | 2095 | - | Applicability Update of Intra-Band DL-only CA testcases in Chapter 7 | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153613 | 2122 | - | Introduction of Receiver Spurious emissions test case for Carrier Aggregation in DL-only bands | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153624 | 2126 | - | New CA 2UL Tx test case 6.6.2.3A.2 Adjacent Channel Leakage power Ratio for CA (inter-band DL CA and UL CA) | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153629 | 2127 | - | Test Tolerances for test case 6.3.4A.1.3 General ON/OFF time mask for CA (intra-band contiguous DL CA and UL CA) | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153630 | 2128 | - | Test Tolerances for test case 6.3.4A.1.1 General ON/OFF time mask for CA (intra-band contiguous DL CA and UL CA) | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153633 | 2130 | - | Test Tolerances for test case 6.6.1A.3 Occupied bandwidth for CA (intra-band non-contiguous DL CA and UL CA) | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153634 | 2131 | - | Test Tolerances for test case 6.6.2.1A.3 Spectrum emission mask for CA (intra-band non-contiguous DL CA and UL CA) | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153646 | 2135 | - | 36.521-1\_Reference corrections in test 6.6.3.2 | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153671 | 2145 | - | Resubmission: CA RF: Clarification of PHICH configuration | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153800 | 2070 | 1 | Correction to applicability of feICIC demod test cases | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153801 | 2057 | 1 | Correction to test procedure in 7.8.1A.4 Wideband intermodulation for non-contiguous CA | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153802 | 2090 | 1 | Correction to Testpoint Selection in Chapter 7 NC CA Testcases | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153803 | 2048 | 1 | Correction to title of table A 3.2-3 and A 3.2-4 in annex A.3.2 | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153804 | 2061 | 1 | Correction to message exceptions in performance test(User-Specific RS) for eDL-MIMO | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153805 | 2065 | 1 | Correction to PMI reporting test for eDL-MIMO | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153806 | 2067 | 1 | Correction to TM9 interference model test cases | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153807 | 2078 | 1 | Updates to 8.7.2.1.A\_1 TDD Sustained data rate performance for CA (2DL CA) | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153810 | 2087 | 1 | Correction to test point selection table for all chap8/9 FDD and TDD 2DLCA cases | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153821 | 2012 | 1 | Update to FDD PDSCH Closed Loop Multi Layer Spatial Multiplexing 4x2 for CA (3DL CA) | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153822 | 2024 | 1 | Addition of annex F for Reference sensitivity for 3DL CA | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153823 | 2039 | 1 | CA RF: Update of test points for CA\_12B | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153827 | 2094 | 1 | Addition of 3DL CA default XB-YA configuration to REFSENS test configuration table | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153836 | 1999 | 1 | Introduction of SUMIMO for LTE Type C performance TC 8.2.2.3.1B | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153837 | 2111 | 1 | Addition of Reference measurement channel and overview reference for multi-cell test in Annex | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153838 | 2112 | 1 | Introduction of FDD TM3 test case for LTE Type C performance requirements (8.2.1.3.1B) | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153839 | 2113 | 1 | Introduction of FDD TM3 multi-cell test case with TM1 interference for LTE Type C performance requirements (8.2.1.3.1C) | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153840 | 2114 | 1 | Introduction of TDD TM3 multi-cell test case with TM1 interference for LTE Type C performance requirements (8.2.2.3.1C) | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153841 | 2115 | 1 | Introduction of FDD TM4 test case for LTE Type C performance requirements (8.2.1.4.2A) | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153842 | 2116 | 1 | Introduction of TDD TM4 test case for LTE Type C performance requirements (8.2.2.4.2A) | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153843 | 2117 | 1 | Introduction of TDD TM8 test case for LTE Type C performance requirements (8.3.2.2.2) | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153844 | 2118 | 1 | Introduction of FDD TM9 test case for LTE Type C performance requirements (8.3.1.2.2) | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153845 | 2119 | 1 | Addition of Enhanced performance requirements Type C definition | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153848 | 1997 | 1 | Update of eDL MIMO enhancement TC 9.4.2.3.3\_G | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153849 | 1998 | 1 | Update of eDL MIMO enhancement TC 9.4.2.3.4\_G | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153851 | 2000 | 1 | New TC: 9.7.1.2 TDD CQI reporting definition under AWGN conditions for UE category 0 | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153852 | 2125 | 1 | RMC definitions for UE category 0 | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153853 | 2123 | 1 | Additions to test case 6.2.2E - UE Maximum Output Power for UE category 0 | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153854 | 2124 | 1 | Changes to test case 7.3E - Reference sensitivity level for UE category 0 | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153855 | 2026 | 1 | Addition of new TC of Transmit off power for inter-band CA | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153856 | 2034 | 1 | Addition of annex F for 2UL CA test cases | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153858 | 2045 | 1 | Introduction to test case 6.2.4A.3: Additional Maximum Power Reduction (A-MPR) for CA (intra-band non-contiguous DL CA and UL CA) | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153859 | 2088 | 1 | EVM for Intra-band contiguous UL CA for non-equal Channel BWs | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153867 | 2150 | - | Adding missing subclauses in Annex A.2 | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153868 | 2008 | 1 | Align Test Procedure and Test requirements for 7.5A.5 ACS 3DL CA | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153869 | 2010 | 1 | Align Test requirements for 7.4A.5 Max Input 3DL CA | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153870 | 2132 | 1 | Completion to Test cases 9.6.1.1\_A.2 and 9.6.1.2\_A.2: FDD/TDD CQI Reporting under AWGN conditions – PUCCH 1-0 (3DL CA) | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153873 | 2035 | 1 | Updates of minimum requirements of Spurious emission band UE co-existence | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153874 | 2001 | 1 | New CA band combination CA\_1A-5A-7A - Updates of 7.3.3 Delta RIB and 7.3A Refsens Test Configuration | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153879 | 2036 | 1 | CA RF: Update of intraband contiguous blocking requirements | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153880 | 2096 | 1 | Update of Reference sensitivity for CA\_39A-41C and CA\_39C-41A | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153881 | 2121 | 1 | Updates to test case 7.8.1A.5 Wideband intermodulation for CA (3DL CA without UL CA) | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153882 | 2148 | - | New CA band combinations (CA\_1A-41C, CA\_26A\_41C) - Updates of 7.3.3 Delta RIB | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153884 | 2147 | - | Addition of Multiple Inter-band CA Configurations to 7.3A.4 | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153885 | 2011 | 1 | Update to FDD PDSCH Open Loop Spatial Multiplexing 2x2 for CA (3DL CA) | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153886 | 2013 | 1 | Update to TDD PDSCH Open Loop Spatial Multiplexing 2x2 for CA (3DL CA) | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153887 | 2014 | 1 | Update to TDD PDSCH Closed Loop Multi Layer Spatial Multiplexing 4x2 for CA (3DL CA) | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153888 | 2076 | 1 | Updates to 8.2.2.1.1\_A.2 TDD PDSCH Single Antenna Port Performance for CA (3DL CA) | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153889 | 2077 | 1 | Updates to 8.7.1.1.A\_2 FDD Sustained data rate performance for CA (3DL CA) | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153890 | 2079 | 1 | Updates to 8.7.2.1.A\_2 TDD Sustained data rate performance for CA (3DL CA) | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153891 | 2086 | 1 | Updates to TDD FDD CA test cases for PDSCH Single Antenna Port Performance | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153892 | 2105 | 1 | Update of FDD PDSCH Single Antenna Port Performance for CA (3DL CA) | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153893 | 2106 | 1 | TDD FDD CA PDSCH Closed Loop Multi Layer Spatial Multiplexing 4x2 for TDD PCell (2DL CA) | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153894 | 2107 | 1 | TDD FDD CA PDSCH Closed Loop Multi Layer Spatial Multiplexing 4x2 for TDD PCell (3DL CA) | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153895 | 2149 | 1 | New CA band combinations (CA\_1A-41C, CA\_26A-41C) - Updates of 7.3A Refsens | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153902 | 1993 | 1 | Introduction of eDL MIMO enhancement TC 9.3.7.1\_G | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153903 | 1994 | 1 | Introduction of eDL MIMO enhancement TC 9.3.7.2\_G | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153904 | 1995 | 1 | Introduction of eDL MIMO enhancement TC 9.4.1.4.1\_G | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153905 | 1996 | 1 | Introduction of eDL MIMO enhancement TC 9.4.1.4.2\_G | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153906 | 2016 | 1 | UE Cat 0 RF: Addition to Annex I | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153907 | 2097 | 1 | Addition of test case 7.4E - Maximum input level for UE category 0 | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153908 | 2120 | 1 | Additions to test case 6.2.3E - Maximum Power Reduction (MPR) for UE category 0 | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153909 | 2144 | 1 | Additions to test case 6.2.4E – Additional Maximum Power Reduction (A-MPR) for UE category 0 | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153912 | 2027 | 1 | Addition of new TC of ON/OFF time mask for inter-band CA | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153913 | 2028 | 1 | Addition of new TC of Occupied bandwidth for inter-band CA | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153914 | 2030 | 1 | Addition of new TC of Spectrum emission mask for inter-band CA | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153915 | 2031 | 1 | Addition of new TC of Transmitter Spurious emissions for inter-band CA | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153916 | 2032 | 1 | Addition of new TC of Spurious emission band UE co-existence for inter-band CA | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153917 | 2046 | 1 | Introduction to test case 6.2.5A.2: Configured UE transmitted Output Power for CA (inter-band DL CA and UL CA) | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153918 | 2047 | 1 | Introduction to test case 6.2.5A.3: Configured UE transmitted Output Power for CA (intra-band non-contiguous DL CA and UL CA) | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153920 | 2007 | 1 | Update of 6.2.3\_2 MPR for Multi-Cluster PUSCH | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153921 | 2054 | 1 | Correction to lower tolerances for CA\_NS\_05 in A-MPR | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153922 | 2129 | 1 | Corrections to test case 6.6.1A.1 Occupied bandwidth for CA (intra-band contiguous DL CA and UL CA) | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153923 | 2043 | 1 | CA RF: Clean Up of UL resource allocation for interband 2DL CA | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153924 | 2002 | 1 | Correction of minimum requirements and test procedures for 8.2.2.1.1\_A.1 | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153925 | 2003 | 1 | Corrections to 8.2.2.3.1\_A.1 | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153926 | 2059 | 1 | Correction to the title in 2DL CA performance test cases | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153927 | 2060 | 1 | Correction to FDD soft buffer test for CA | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153928 | 2134 | 1 | 36.521-1\_CA power imbalance test updates | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153944 | 2022 | 2 | Updates of minimum requirements of reference sensitivity for 3DL CA | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153945 | 2023 | 2 | Updates of Reference sensitivity for 3DL CA | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153947 | 2146 | 1 | UE Category Corrections to test case 8.2.1.4.2\_A.1 from 36.521-1 | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-153949 | 1985 | 1 | Correction to RC.2 TDD Nr. HARQ Proc. | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-154002 | 1986 | 1 | Introduction of TC 9.6.1.3.1 TDD FDD CA CQI Reporting – PUCCH 1-0 for FDD PCell (2DL CA) | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-154003 | 1987 | 1 | Introduction of TC 9.6.1.3.2 TDD FDD CA CQI Reporting – PUCCH 1-0 for FDD PCell (3DL CA) | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-154004 | 1988 | 1 | Introduction of TC 9.6.1.4.1 TDD FDD CA CQI Reporting – PUCCH 1-0 for TDD PCell (2DL CA) | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-154005 | 1989 | 1 | Introduction of TC 9.6.1.4.2 TDD FDD CA CQI Reporting – PUCCH 1-0 for TDD PCell (3DL CA) | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-154006 | 2098 | 1 | Addition of test case 7.5E - Adjacent Channel Selectivity (ACS) for UE category 0 | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-154007 | 2099 | 1 | Addition of test case 7.6.1E - In-band blocking for UE category 0 | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-154008 | 2100 | 1 | Addition of test case 7.6.2E - Out-of-band blocking for UE category 0 | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-154009 | 2101 | 1 | Addition of test case 7.6.3E - Narrow band blocking for UE category 0 | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-154010 | 2102 | 1 | Addition of test case 7.7E - Spurious response for UE category 0 | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-154011 | 2103 | 1 | Addition of test case 7.8.1E - Wide band Intermodulation for UE category 0 | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-154012 | 2104 | 1 | Addition of test case 7.9E - Spurious emissions for UE category 0 | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-154014 | 2136 | 1 | 36.521-1\_Test requirements correction in test 6.3.5.2 | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-154015 | 2080 | 1 | Addition of 8.7.5.1.1 TDD FDD CA Sustained data rate performance for FDD PCell (2DL CA) | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-154016 | 2081 | 1 | Addition of 8.7.5.1.2 TDD FDD CA Sustained data rate performance for FDD PCell (3DL CA) | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-154017 | 2082 | 1 | Addition of 8.7.5.2.1 TDD FDD CA Sustained data rate performance for TDD PCell (2DL CA) | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-154018 | 2083 | 1 | Addition of 8.7.5.2.2 TDD FDD CA Sustained data rate performance for TDD PCell (3DL CA) | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-154019 | 2049 | 1 | Update to TC 7.6.1A.5 In-band blocking for CA (3DL CA without UL CA) | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-154022 | 2050 | 1 | Update to TC 7.6.2A.5 Out-of-band blocking for CA (3DL CA without UL CA) | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-154023 | 2051 | 1 | Update to TC 7.6.3A.5 Narrow band blocking for CA (3DL CA without UL CA) | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-154024 | 2052 | 1 | Update to TC 7.7A.5 Spurious response for CA (3DL CA without UL CA) | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-154026 | 2084 | 2 | Addition of SCE-L1 clause numbering principle in Annex I | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-154030 | 2009 | 1 | Revise Power Control Relative power tolerance for 2 UL CA test case 6.3.5A.2.1 | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | R5-154031 | 2020 | 1 | RF: Applicability of CSI requirements to UE Category 1 (for 36.521-1) | 12.6.0 | 12.7.0 |
| 2015-09 | RAN#69 | - | - | - | update of the "non-specific references" in section 2 according to the approved R5-153582 and an action point on ETSI MCC | 12.6.0 | 12.7.0 |
| 2015-12 | RAN#70 | R5-155112 | 2156 | - | Addition of simplified CA testing method (Annex C.3.5) into 36.521-1 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155113 | 2157 | - | Uncertainty and Test Tolerance for FDD TM3 test case for LTE Type C performance requirements (8.2.1.3.1B) | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155116 | 2160 | - | Uncertainty and Test Tolerance for TDD TM8 test case for LTE Type C performance requirements (8.3.2.2.2) | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155117 | 2161 | - | Uncertainty and Test Tolerance for FDD TM9 test case for LTE Type C performance requirements (8.3.1.2.2) | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155118 | 2162 | - | Uncertainty and Test Tolerance for FDD TM3 multi-cell test case with TM1 interference for LTE Type C performance requirements (8.2.1.3.1C) | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155119 | 2163 | - | Uncertainty and Test Tolerance for TDD TM3 multi-cell test case with TM1 interference for LTE Type C performance requirements (8.2.2.3.1C) | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155205 | 2169 | - | Addition of test time for testing throughput ratios for eDL MIMO Enhancement | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155300 | 2206 | - | Update of editor's note for TC 6.6.2.2A.1 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155309 | 2208 | - | ProSe: Update of general chapters in 36.521-1 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155312 | 2211 | - | ProSe: Update of annexes in 36.521-1 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155313 | 2212 | - | Update of UE categories for R8 in 36.521-1 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155316 | 2214 | - | Update of UE categories for R11 in 36.521-1 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155360 | 2215 | - | Test description for test case 6.3.3A.3: UE Transmit OFF power for CA (intra-band non-contiguous DL CA and UL CA) | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155361 | 2216 | - | Correction to Test cases 9.6.1.1\_A.1 and 9.6.1.2\_A.1: FDD/TDD CQI Reporting under AWGN conditions – PUCCH 1-0 (2DL CA) | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155394 | 2226 | - | Updates of the test configuration about occupied bandwidth for CA (inter-band DL CA and UL CA) | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155401 | 2228 | - | Updates of message contents for ON/OFF time mask for 2UL inter-band CA | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155405 | 2232 | - | Updates of Refsens for 2UL inter-band CA | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155406 | 2233 | - | Addition of CA\_3A-42A to 7.3A.3 and applicability updates for all inter-band 2DL CA receiver test cases | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155409 | 2235 | - | Updatest of CA demodulation applicabilities in general section | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155420 | 2241 | - | Changes to general clauses for Dual Connectivity | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155425 | 2246 | - | Introduction of the reference and abbreviations for Dual Connectivity | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155426 | 2247 | - | Removal of the duplicate clause 8.2.1.4.2\_A.2.5 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155444 | 2253 | - | Clean up of Tx test cases | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155446 | 2255 | - | Correction to Rx UL CA test cases | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155447 | 2256 | - | Correction to reference channel for CQI requirements | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155448 | 2257 | - | Correction to UL RMC for single carrier SDR | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155450 | 2259 | - | Correction to CoMP demodulation requirements | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155452 | 2261 | - | Correction to Enhanced Performance Type A CQI reporting test | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155453 | 2262 | - | Correction to CQI and RI Reporting test cases for feICIC | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155460 | 2265 | - | CA RF: Update 3DL Refsense test requirements | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155462 | 2267 | - | Corrections to Refsense minimum requirements | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155464 | 2269 | - | CA RF: Update of test points for Rx inter-band test cases | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155471 | 2274 | - | Corrections to message contents for CSI 3DL CA TCs 9.6.1.3.2+9.6.1.4.2 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155474 | 2275 | - | Corrections to CA demodulation tests | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155476 | 2276 | - | Corrections to message exceptions for CSI-RS setting | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155478 | 2278 | - | Updates to Annexes A.2 and A.3 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155530 | 2282 | - | Addition of measurement uncertainty and test tolerances for TC 9.7.1.2 TDD CQI reporting definition under AWGN conditions for UE category 0 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155543 | 2283 | - | Correction to Test Parameters for the test cases 10.1 and 10.2 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155554 | 2289 | - | Correction to 6.6.3.3A.1 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155668 | 2325 | - | Addition of CA configuration CA\_2A-4A-5A in Reference sensitivity level for 3DL CA | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155670 | 2326 | - | Correction to DL RMCs for UE category 0 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155709 | 2331 | - | Editorial corrections to TC 8.2.2.1.1\_A.1 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155745 | 2346 | - | Correction to CQI test cases for LTE CA | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155801 | 2288 | 1 | Correction to 6.2.4A.1 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155802 | 2254 | 1 | Correction to 2DL CA Rx test cases | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155803 | 2266 | 1 | CA RF: Correction to message contents for 2DL Max Input Power TCs | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155804 | 2213 | 1 | Update of UE categories for R10 in 36.521-1 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155807 | 2176 | 1 | Add new LC MTC test case 9.7.2.1 FDD CQI Reporting under fading conditions for UE category 0 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155808 | 2177 | 1 | Add new LC MTC test case 9.7.2.2 TDD CQI Reporting under fading conditions for UE category 0 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155809 | 2318 | 1 | Test case 6.2.4E – Additional Maximum Power Reduction (A-MPR) for UE category 0 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155810 | 2321 | 1 | Additions to test case 6.3.3E – UE Transmit OFF Power for UE category 0 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155811 | 2322 | 1 | Additions to test case 6.3.4E.1 – General ON/OFF time mask for UE category 0 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155812 | 2329 | 1 | Additions to test case 6.3.5E.1 – Power Control Absolute power tolerance for UE category 0 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155813 | 2330 | 1 | Additions to test case 6.3.5E.2 – Power Control Relative power tolerance for UE category 0 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155814 | 2333 | 1 | Additions to test case 6.5.1E – Frequency Error for UE category 0 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155815 | 2334 | 1 | Additions to test case 6.5.2.1E.1 – Error Vector Magnitude for UE category 0 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155816 | 2336 | 1 | Additions to test case 6.5.2.2E – Carrier Leakage for UE category 0 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155817 | 2338 | 1 | Additions to test case 6.5.2.3E – In-band emissions for non allocated RB for UE category 0 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155818 | 2339 | 1 | Additions to test case 6.5.2.4E – EVM equalizer spectrum flatness for UE category 0 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155819 | 2342 | 1 | Additions to test case 6.2.5E – Configured Transmitted Power for UE category 0 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155840 | 2158 | 1 | Uncertainty and Test Tolerance for FDD TM4 test case for LTE Type C performance requirements (8.2.1.4.2A) | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155841 | 2159 | 1 | Uncertainty and Test Tolerance for TDD TM4 test case for LTE Type C performance requirements (8.2.2.4.2A) | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155842 | 2165 | 1 | Update of SUMIMO for LTE Type C performance TC 8.2.2.3.1B | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155844 | 2151 | 1 | New CA band combination CA\_1A-3A-8A - Updates of 7.3A.5 RefSens | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155845 | 2152 | 1 | New CA band combination CA\_1A-3A-8A - Updates of 7.3.3 Delta RIB | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155846 | 2183 | 1 | LTE Type B performance requirements - Addition of fixed reference channels into Annex A | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155847 | 2184 | 1 | LTE Type B performance requirements - Introduction of new interference models into Annex B.6 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155848 | 2182 | 1 | LTE Type B performance requirements - Changes to clause 3 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155850 | 2236 | 1 | Addition of new test cases for TDD FDD CA PDSCH Open Loop for FDD PCell(2DL and 3DL) | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155851 | 2224 | 1 | Update of 2DL TDD FDD CA PDSCH Closed Loop Multi Layer Spatial Multiplexing 4x2 for TDD PCell (8.2.3.3.2.1) | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155852 | 2225 | 1 | Update of 3DL TDD FDD CA PDSCH Closed Loop Multi Layer Spatial Multiplexing 4x2 for TDD PCell (8.2.3.3.2.2) | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155853 | 2248 | 1 | Update for Annex for TDD/FDD Perf test cases | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155855 | 2250 | 1 | Clean up of 3DL CA Rx test cases | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155857 | 2280 | 1 | Completion of Testcase 7.3A.5 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155859 | 2272 | 1 | CA RF: Correction to message contents for 3DL Max Input Power | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155860 | 2327 | 1 | Correction of BW to be tested and CA Capability to be tested for TM3 Test Cases | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155861 | 2328 | 1 | 36.521-1 – CA\_2A-12B updates | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155892 | 2168 | 1 | Correction of test cases title for eDL MIMO Enhancement test cases | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155893 | 2263 | 1 | Corrections to eDL MIMO enhancement TC 9.3.7.1\_G+9.3.7.2\_G | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-155894 | 2264 | 1 | Corrections to eDL MIMO enhancement TC 9.4.1.4.1\_G+9.4.1.4.2\_G | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156006 | 2229 | 1 | Addition of initial conditions for frequency error for 2UL inter-band CA | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156007 | 2230 | 1 | Updates of SEM for 2UL inter-band CA | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156008 | 2231 | 1 | Updates of test requirements for general spurious for 2UL inter-band CA | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156013 | 2210 | 1 | ProSe: Additions to Annexes for RF testing | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156014 | 2209 | 1 | ProSe: Reference sensitivity test | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156016 | 2242 | 1 | Introduction of FDD PDSCH Closed Loop Multi-Layer Spatial Multiplexing 4x2 for Dual Connectivity | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156017 | 2243 | 1 | Introduction of TDD PDSCH Closed Loop Multi-Layer Spatial Multiplexing 4x2 for Dual Connectivity | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156018 | 2244 | 1 | Introduction of FDD sustained data rate performance for Dual Connectivity | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156019 | 2245 | 1 | Introduction of TDD sustained data rate performance for Dual Connectivity | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156020 | 2207 | 1 | Update of RB configurations for TC 7.3A.5 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156021 | 2222 | 1 | Addition of soft-buffer test cases for FDD-TDD 2DL CA (8.2.3.2.1A, 8.2.3.2.2A) | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156022 | 2234 | 1 | Delta RIB,c updates for 3DL CA supporting UE | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156023 | 2237 | 1 | Addition of new test cases for TDD FDD CA PDSCH Closed Loop 4x2 for FDD PCell (2DL and 3DL) | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156024 | 2239 | 1 | Correction to test point selection table for TDD-FDD CA cases | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156025 | 2251 | 1 | Correction to 7.3A.5 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156026 | 2252 | 1 | Update CA perf test cases in clause 8 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156027 | 2271 | 1 | CA RF: Update to 3DL Refsense test configurations | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156028 | 2281 | 1 | Improvements to 3DL OOB Testcase (7.6.2A.5) | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156029 | 2295 | 1 | Updates to 8.7.5 about TDD-FDD CA SDR performance test | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156030 | 2337 | 1 | 36.521-1: CA\_1A-3A-20A & CA\_1A-7A-20A updates | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156031 | 2346 | 1 | Addition of 2x2 FDD-TDD CA test cases with TDD PCELL | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156035 | 2170 | 1 | New TC: 8.9.1.1.2 FDD Closed-loop spatial multiplexing performance (Cell-Specific Reference Symbols) for UE category 0 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156036 | 2171 | 1 | New TC: 8.9.1.2.2 TDD Closed-loop spatial multiplexing performance (Cell-Specific Reference Symbols) for UE category 0 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156037 | 2173 | 1 | Add new LC MTC test case 8.9.1.1.3 FDD PDSCH Single-layer Spatial Multiplexing on antenna ports 7 or 8 for UE category 0 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156038 | 2174 | 1 | Add new LC MTC test case 8.9.1.2.1 TDD PDSCH Transmit Diversity for UE category 0 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156039 | 2175 | 1 | Add new LC MTC test case 8.9.1.2.3 TDD PDSCH Single-layer Spatial Multiplexing on antenna ports 7 or 8 for UE category 0 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156040 | 2189 | 1 | Addition of Minimum test time for Demodulation performance for UE category 0 in Annex G | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156041 | 2191 | 1 | Introduction of new test case 8.9.2.2.1 MTC | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156042 | 2240 | 1 | Update of TC 9.7.1.2 TDD CQI reporting definition under AWGN conditions for UE category 0 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156043 | 2315 | 1 | Update test requirement for MTC test cases: 7.6.1E, 7.6.2E and 7.6.3E | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156044 | 2316 | 1 | Addition of Maximum Test System Uncertainty and Derivation of Test Requirements in Annex F for MTC test cases | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156045 | 2317 | 1 | Additions to test case 6.2.3E - Maximum Power Reduction (MPR) for UE category 0 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156046 | 2320 | 1 | Additions to test case 6.3.2E – Minimum Output Power for UE category 0 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156047 | 2332 | 1 | Additions to test case 6.3.5E.3 – Aggregate power control tolerance for UE category 0 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156048 | 2340 | 1 | Additions to test case 6.6.1E – Occupied bandwidth for UE category 0 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156049 | 2341 | 1 | Additions to test case 6.6.2.1E – Spectrum Emission Mask for UE category 0 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156057 | 2193 | 1 | New CA 2UL Tx test case 6.5.1A.3 Frequency Error for CA (intra-band non-contiguous DL CA and UL CA) | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156058 | 2291 | 1 | New TC of A-MPR for 2UL inter-band CA (6.2.4A.2) | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156059 | 2293 | 1 | New TC of Additional spurious emissions for intra-band non-contiguous CA 6.6.3.3A.3 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156062 | 2166 | 1 | Addition of Minimum test time for LTE Type C performance in Annex G | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156063 | 2297 | 1 | Addition of new TC 7.4\_H Maximum input level for SCE-L1 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156064 | 2298 | 1 | Addition of new TC 7.4A.1\_H Maximum input level for SCE-L1 for CA (intra-band contiguous DL CA and UL CA) | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156065 | 2299 | 1 | Addition of new TC 7.4A.2\_H Maximum input level for SCE-L1for CA (intra-band contiguous DL CA without UL CA) | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156066 | 2300 | 1 | Addition of new TC 7.4A.5\_H Maximum input level for SCE-L1 for CA (3DL CA without UL CA) | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156089 | 2185 | 1 | LTE Type B performance requirements - Introduction of new test cases 8.2.1.2.5 and 8.2.1.2.6 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156090 | 2186 | 1 | LTE Type B performance requirements - Introduction of new test cases 8.2.2.2.6 and 8.2.2.2.7 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156091 | 2187 | 1 | LTE Type B performance requirements - Introduction of new test cases 9.3.8.1.1 and 9.3.8.1.2 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156092 | 2188 | 1 | LTE Type B performance requirements - Adding six NAICS test cases into Annex F and G | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156095 | 2155 | 1 | Update Minimum requirements for test case 6.2.3A.1 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156096 | 2227 | 1 | Updates of test configuration for OBW for intra-band contiguous UL CA | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156097 | 2268 | 1 | CA RF: Minor corrections to section 6.6.3.3A | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156098 | 2292 | 1 | Revise Configured UE transmitted Output Power for 2UL intra-band contiguous CA test case 6.2.5A.1 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156100 | 2167 | 1 | Deleting redundant and outdated Demod scenario in Minimum test time | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156101 | 2258 | 1 | Clarification of DL configuration for wideband | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156102 | 2260 | 1 | Correction to Enhanced Performance Type A performance test cases | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156103 | 2277 | 1 | Correction and addition of minimum test time for several tests | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156104 | 2284 | 1 | Correction to test cases of the section of 9.5.1 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156110 | 2190 | 1 | Introduction of new test case 8.9.2.1.1 MTC | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156113 | 2301 | 1 | Addition of new TC 8.2.1.4.1\_H FDD PDSCH Closed Loop Multi Layer Spatial Multiplexing 2x2 for SCE-L1 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156114 | 2302 | 1 | Addition of new TC 8.2.2.4.1\_H TDD PDSCH Closed Loop Multi Layer Spatial Multiplexing 2x2 for SCE-L1 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156115 | 2303 | 1 | Addition of new TC 8.3.1.1.1\_H FDD PDSCH Single-layer Spatial Multiplexing on antenna ports 7 or 8 without a simultaneous transmission for SCE-L1 for eDL-MIMO | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156116 | 2304 | 1 | Addition of new TC 8.3.2.1.2\_H TDD PDSCH Single-layer Spatial Multiplexing on antenna ports 7 or 8 without a simultaneous transmission for eDL-MIMO for SCE-L1 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156117 | 2305 | 1 | Addition of new TC 8.7.1.1\_H FDD sustained data rate performance for SCE-L1 | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156118 | 2306 | 1 | Addition of new TC 8.7.1.1\_H.2 FDD Sustained data rate performance for CA for SCE-L1 (2DL CA) | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156119 | 2307 | 1 | Addition of new TC 8.7.1.1\_H.3 FDD Sustained data rate performance for CA for SCE-L1 (3DL CA) | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156120 | 2308 | 1 | Addition of new TC 8.7.2.1\_H.1 TDD sustained data rate performance for SCE-L1 (Single Carrier) | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156121 | 2309 | 1 | Addition of new TC 8.7.2.1\_H.2 TDD sustained data rate performance for CA for SCE-L1 (2DL CA) | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156122 | 2310 | 1 | Addition of new TC 8.7.2.1\_H.3 TDD Sustained data rate performance for CA for SCE-L1 (3DL CA) | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156124 | 2312 | 1 | Addition of new TC 8.7.5.1\_H.2 TDD FDD CA Sustained data rate performance for FDD PCell for SCE-L1 (3DL CA) | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156125 | 2313 | 1 | Addition of new TC 8.7.5.2\_H.1 TDD FDD CA Sustained data rate performance for TDD PCell for SCE-L1 (2DL CA) | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156126 | 2314 | 1 | Addition of new TC 8.7.5.2\_H.2 TDD FDD CA Sustained data rate performance for TDD PCell for SCE-L1 (3DL CA) | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156130 | 2192 | 2 | New CA 2UL Tx test case 6.3.5A.3.3 of Aggregate Power Control Tolerance for CA (intra-band non-contiguous DL CA and UL CA) | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156131 | 2290 | 2 | New TC of Aggregate Power Control Tolerance for 2UL inter-band CA(6.3.5A.3.2) | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156133 | 2294 | 1 | Correction to the applicable test release of 1.4MHz Bandwidth MBMS test | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156134 | 2164 | 1 | Update to in-band Emissions Limits for less than 1GHz Carrier Frequencies | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156183 | 2311 | 1 | Addition of new TC 8.7.5.1\_H.1 TDD FDD CA Sustained data rate performance for FDD PCell for SCE-L1 (2DL CA) | 12.7.0 | 12.8.0 |
| 2015-12 | RAN#70 | R5-156071 | 2153 | 1 | New TC: Maximum Power Reduction (MPR) for CA (intra-band contiguous DL CA and UL CA) for UL 64QAM | 12.8.0 | 13.0.0 |
| 2015-12 | RAN#70 | R5-156073 | 2194 | 1 | New TC: 6.2.3\_3 MPR for UL 64QAM | 12.8.0 | 13.0.0 |
| 2015-12 | RAN#70 | R5-156074 | 2195 | 1 | New TC: 6.2.3\_4 MPR for Multi-Cluster PUSCH with UL 64QAM | 12.8.0 | 13.0.0 |
| 2015-12 | RAN#70 | R5-156075 | 2196 | 1 | New TC: 6.2.4\_2 AMPR for UL 64QAM | 12.8.0 | 13.0.0 |
| 2015-12 | RAN#70 | R5-156076 | 2197 | 1 | New TC: 6.5.2.1\_1 EVM for UL 64QAM | 12.8.0 | 13.0.0 |
| 2015-12 | RAN#70 | R5-156077 | 2198 | 1 | New TC: 6.5.2A.1.1\_1 EVM for CA with UL 64QAM | 12.8.0 | 13.0.0 |
| 2015-12 | RAN#70 | R5-156078 | 2199 | 1 | New TC: 6.6.2.2\_1 Additional Spectrum Emission Mask for UL 64QAM | 12.8.0 | 13.0.0 |
| 2015-12 | RAN#70 | R5-156079 | 2200 | 1 | New TC: 6.6.2.3\_3 ACLR for UL 64QAM | 12.8.0 | 13.0.0 |
| 2015-12 | RAN#70 | R5-156080 | 2201 | 1 | New TC: 6.6.2.3\_4 ACLR for Multi-Cluster PUSCH with UL 64QAM | 12.8.0 | 13.0.0 |
| 2015-12 | RAN#70 | R5-156081 | 2202 | 1 | New TC: 6.6.3.3\_1 Additional spurious emissions for UL 64QAM | 12.8.0 | 13.0.0 |
| 2015-12 | RAN#70 | R5-156082 | 2203 | 1 | Addition of RMCs for UL 64QAM | 12.8.0 | 13.0.0 |
| 2015-12 | RAN#70 | R5-156083 | 2204 | 1 | Introduction of uncertainties and TTs in Annex F for UL 64QAM | 12.8.0 | 13.0.0 |
| 2015-12 | RAN#70 | R5-156084 | 2285 | 1 | New TC: A-MPR for CA (intra-band contiguous DL CA and UL CA) for UL 64QAM | 12.8.0 | 13.0.0 |
| 2015-12 | RAN#70 | R5-156085 | 2286 | 1 | New TC: A-SEM for CA (intra-band contiguous DL CA and UL CA) for UL 64QAM | 12.8.0 | 13.0.0 |
| 2015-12 | RAN#70 | R5-156086 | 2287 | 1 | New TC: Additional spurious emissions for CA (intra-band contiguous DL CA and UL CA) for UL 64QAM | 12.8.0 | 13.0.0 |
| 2015-12 | RAN#70 | R5-156188 | 2154 | 2 | New TC: Adjacent Channel Leakage power Ratio for CA (intra-band contiguous DL CA and UL CA) for UL 64QAM | 12.8.0 | 13.0.0 |
| 2016-01 | RAN#70 | R5-156099 | 2324 | 1 | introduction of R5-156099 "Introduction of new A-MPR test with PUSCH frequency hopping" with the test case renumbered to 6.2.4\_3 after working group agreement to avoid duplication | 13.0.0 | 13.0.1 |
| 2016-03 | RAN#71 | R5-160025 | 2347 | - | Update to NAICS test cases to release NAICS configuration | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160026 | 2348 | - | Test Tolerances for FDD PDSCH Transmit Diversity 2x2 with TM2 Interference Model– Enhanced Performance Requirement Type B (8.2.1.2.5) | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160027 | 2349 | - | Test Tolerances for FDD PDSCH Transmit Diversity 2x2 with TM9 Interference Model– Enhanced Performance Requirement Type B (8.2.1.2.6) | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160028 | 2350 | - | Test Tolerances for TDD PDSCH Transmit Diversity 2x2 with TM2 Interference Model– Enhanced Performance Requirement Type B (8.2.2.2.6) | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160029 | 2351 | - | Test Tolerances for TDD PDSCH Transmit Diversity 2x2 with TM9 Interference Model– Enhanced Performance Requirement Type B (8.2.2.2.7) | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160030 | 2352 | - | Test Tolerances FDD and TDD CQI reporting under fading conditions (PUCCH) TM4 - Enhanced Receiver Type B (9.3.8.1.1 and 9.3.8.1.2) | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160067 | 2362 | - | Correction to UE output power of Tx test cases 6.5.2.3 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160068 | 2363 | - | Correction to some incorrect sentences of Tx test case 6.5.2A.3.1 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160106 | 2368 | - | Update of Test Tolerance for eDL MIMO enhancement test cases | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160124 | 2371 | - | Correction to test case 8.7.1.1\_A.1 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160125 | 2372 | - | Correction to test case 9.3.2.1.1 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160139 | 2375 | - | Test Tolerances for 9.6.1.3.1+9.6.1.3.2+9.6.1.4.1+9.6.1.4.2 2DL-3DL CA | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160141 | 2376 | - | TTs to Annex F for 2DL and 3DL CA | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160155 | 2382 | - | Test Tolerances for 9.3.7.1+9.3.7.2 eDL MIMO enhancement | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160159 | 2383 | - | Test Tolerances for 9.4.1.4.1+9.4.1.4.2+9.4.2.3.3+9.4.2.3.4 eDL MIMO enhancement | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160162 | 2385 | - | Corrections to eDL MIMO enhancements Annex B to include High XP 4x2 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160164 | 2386 | - | Corrections to EVM test case 6.5.2A.1.1 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160165 | 2387 | - | Update of uncertainty and TT references for TC 6.2.4E and 6.2.5E | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160169 | 2390 | - | Addition of 4 Rx part to Diversity characteristics | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160203 | 2391 | - | Revise Power Control Relative power tolerance for CA (intra-band contiguous DL CA and UL CA) test case 6.3.5A.2.1 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160281 | 2419 | - | Addition of delta TIB for the new CA configuration CA\_3A-41A in sub-clause 6.2.5 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160334 | 2423 | - | Updates of Spurious emission band UE co-existence for CA (inter-band DL CA and UL CA) | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160337 | 2425 | - | Annex F update for frequency error for inter-band 2UL CA | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160338 | 2426 | - | Correction and updates to test requirements of Reference sensitivity for inter-band 2DL CA | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160344 | 2428 | - | Updates of some Rel-13 defined CA combinations to minimum requirements of Reference sensitivity for CA | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160345 | 2429 | - | Updates of delta TIB,c values and table references for delta TIB,c | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160377 | 2437 | - | R10 Remove editor's note for CA\_39C spurious emission test | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160441 | 2439 | - | Update to MTC test case 8.9.2.1.1 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160442 | 2440 | - | Update to MTC RF test applicability for Editor’s Note | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160459 | 2443 | - | Rel-13 Test point reduction for UL 64QAM multi-cluster MPR and ACLR tests | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160461 | 2445 | - | Rel-13 Test point reduction for UL 64QAM AMPR and ASEM tests | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160462 | 2446 | - | Rel-13 Test point reduction for UL 64QAM CA MPR and ACLR tests | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160464 | 2448 | - | Rel-13 Test point reduction for UL 64QAM CA AMPR, ASEM and ASE tests | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160482 | 2451 | - | Correction to the minimum test time reference in TDD/FDD CA performance | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160483 | 2452 | - | Correction to UL CA Tx tests | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160484 | 2453 | - | Clean up on performance test cases | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160485 | 2454 | - | Correction to 9.5.5.1\_F.1 and 9.5.5.1\_F.2 for RI Reporting test with CoMP | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160486 | 2455 | - | Correction to 8.2.2.2.4 and 8.2.2.4.3 for Enhanced Performance Type A | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160487 | 2456 | - | Correction to CQI reporting tests for Enhanced Performance Type A | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160488 | 2457 | - | Correction to CQI and RI reporting tests for feICIC | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160490 | 2459 | - | Correction to PCFICH/PDCCH and PHICH Tx Diversity for feICIC | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160491 | 2460 | - | Correction to G.5.4 for minimum test time | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160504 | 2462 | - | New CA band combination CA\_41A\_42C - Updates of 6.2.5.3 Delta TIB | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160506 | 2463 | - | New CA band combination CA\_41A\_42C - Updates of 7.3.3 Delta RIB | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160527 | 2468 | - | Addition of operating band and channel assignments for the new Intel assigned CA configuration | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160569 | 2477 | - | Correction to PMI Reporting for eDL-MIMO | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160578 | 2480 | - | Minor corrections to applicabilities of TCs 8.2.2.2.3\_E.1 & 8.2.2.3.3\_E.1 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160580 | 2482 | - | Correction to PDCP SDU size in TC 8.7.2.1 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160582 | 2484 | - | CA RF: Corrections to Notes in TC 7.3A.3 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160583 | 2485 | - | CA RF: Corrections to Notes in TC 7.3A.5 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160584 | 2486 | - | CA RF: Minor correction to Note in TC 7.3A.6 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160586 | 2488 | - | Corrections to DL 256QAM SDR Test Cases | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160587 | 2489 | - | Corrections to TDD FDD CA SDR Test Cases | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160588 | 2490 | - | Addition of Maximum Wgap definition | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160590 | 2492 | - | Corrections to TDD FDD CA Closed Loop Spatial Multiplexing TCs | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160592 | 2494 | - | Corrections to TDD FDD CA Test Applicability tables in section 8.1.2.3B | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160622 | 2497 | - | Addition of delta RIB for CA\_3A-41A in TC 7.3.3 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160681 | 2516 | - | Introduction of test case 6.6.2.3A.3 - Adjacent Channel Leakage power Ratio for CA (intra-band non-contiguous DL CA and UL CA) | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160686 | 2519 | - | Add reference to TR 36.905 in 36.521-1 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160801 | 2479 | 1 | Annex F: Corrections for intra-band contiguous UL CA Test Cases | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160802 | 2483 | 1 | Minor correction to TC 6.6.3.2 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160803 | 2487 | 1 | Removal of editor’s notes in TC 6.5.2A.2.1 & 6.5.2A.3.1 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160804 | 2466 | 1 | Correction to UE category information in test case 8.2.1.1.1 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160805 | 2467 | 1 | Correction to test case applicability for test case 9.2.1.3\_C.1 and 9.2.1.4\_C.1 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160811 | 2430 | 1 | Updates of delta RIB,c values and table references for delta RIB,c | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160812 | 2431 | 1 | Addition of CA\_19A-28A and CA\_21A-42A to refsens for inter-band 2DL CA | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160813 | 2432 | 1 | Updates of test points and test requirements of some Rel-13 defined CA combinations for Reference sensitivity for 3DL CA | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160814 | 2469 | 1 | Addition of CA configurations and bandwidth combination sets for the new CA configuration | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160815 | 2496 | 1 | Add delta TIB for the new CA\_20A-67A configuration in sub-clause 6.2.5. | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160819 | 2400 | 1 | Addition of new TC 7.4A.3\_H Maximum input level for CA (inter-band DL CA without UL CA) for 256QAM in DL | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160820 | 2401 | 1 | Addition of new TC 7.4A.4\_H Maximum input level for CA (intra band non-contiguous DL CA without UL CA) for 256QAM in DL | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160825 | 2436 | 1 | Rel-10 Test point reduction for UL 64QAM multi-cluster MPR and ACLR tests | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160828 | 2422 | 1 | Updates to TM3 TDD-FDD Soft buffer 2DLCA test cases | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160829 | 2493 | 1 | Corrections to TDD FDD CA TCs 9.6.1.3.1 and 9.6.1.4.1 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160831 | 2520 | 1 | Test points for CA\_4A-4A-13A in Reference sensitivity test case | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160835 | 2379 | 1 | Addition of UL CA capability for CA\_4A-4A in Table 5.4.2A.1-3 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160836 | 2380 | 1 | Correction for table references in TC 6.6.3.2A.1 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160837 | 2381 | 1 | Renaming of Table 6.6.3.2A-3a | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160838 | 2409 | 1 | Update to Annex F for TC 6.3.5A.1.2, 6.3.5A.1.3 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160839 | 2411 | 1 | Update to TC 6.3.5A.1.2 Power Control Absolute Power Tolerance for CA (inter-band DL CA and UL CA). | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160840 | 2412 | 1 | Update to TC 6.3.5A.1.3 Power Control Absolute power tolerance for CA (intra-band non-contiguous DL CA and UL CA). | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160841 | 2416 | 1 | Correction to test case 6.2.5A.3 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160845 | 2424 | 1 | Addition of new test case for additional spurious for inter-band 2UL CA and updates for A-MPR for inter-band 2UL CA | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160846 | 2518 | 1 | Introduction of test case 7.3A.7 - Reference sensitivity level for CA (intra-band non-contiguous DL CA and UL CA) | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160849 | 2470 | 1 | New TC: FDD CQI Reporting under fading conditions - PUCCH 1-1 (CSI Reference Symbol) TM9 - Enhanced Receiver Type B | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160850 | 2471 | 1 | New TC: TDD CQI Reporting under fading conditions - PUCCH 1-1 (CSI Reference Symbol) TM9 - Enhanced Receiver Type B | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160852 | 2393 | 1 | Update to TC 8.9.1.1.3 FDD PDSCH Single-layer Spatial Multiplexing on antenna ports 7 or 8 for UE category 0 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160853 | 2394 | 1 | Update to TC 8.9.1.2.1 TDD PDSCH Transmit Diversity for UE category 0 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160854 | 2395 | 1 | Update to TC 8.9.1.2.3 TDD PDSCH Single-layer Spatial Multiplexing on antenna ports 7 or 8 for UE category 0 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160855 | 2408 | 1 | Update to TC 9.7.2.2 TDD CQI reporting definition under fading conditions for UE category 0 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160856 | 2420 | 1 | Update to TC 9.7.2.1 FDD and Half duplex FDD CQI reporting definition under fading conditions for UE category 0 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160858 | 2498 | 1 | Additions to test case 6.6.2.2E – Additional Spectrum Emission Mask for UE category 0 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160859 | 2500 | 1 | Additions to test case 6.6.3E.3 – Additional spurious emissions for UE category 0 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160860 | 2501 | 1 | Additions to test case 6.6.2.3E – Adjacent Channel Leakage power Ratio for UE category 0 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160861 | 2504 | 1 | Additions to test case 6.3.4E.2 – PRACH and SRS ON/OFF time mask for UE category 0 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160862 | 2506 | 1 | Additions to test case 6.7E – Transmit intermodulation for UE category 0 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160863 | 2508 | 1 | Additions to test case 6.5.2.1E.2 – PUSCH-EVM with exclusion period for UE category 0 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160864 | 2510 | 1 | Additions of overlying section 6.6.3E-Spurious emission for UE category 0 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160865 | 2511 | 1 | Additions of overlying sections 6.3.5C, 6.3.5D and 6.3.5E Power Control for UE category 0 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160866 | 2513 | 1 | Additions to test case 6.2.3E - Maximum Power Reduction (MPR) for UE category 0 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160867 | 2515 | 1 | Additions of overlying section 6.3.4E-ON/OFF time mask for UE category 0 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160868 | 2507 | 1 | Additions to test case 6.6.3E.2 –Spurious emission band UE co-existence for UE category 0 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160869 | 2505 | 1 | Additions to test case 6.6.3E.1 – Transmitter Spurious emissions for UE category 0 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160870 | 2370 | 1 | Updates and test tolerance to single antenna FDD-TDD CA test cases | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160877 | 2384 | 1 | TTs to Annex F for eDL MIMO enhancement | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-160878 | 2392 | 1 | Update to Annex F for TC 8.9.1.1.3, 8.9.1.2.1, 8.9.1.2.3, 9.7.2.1, 9.7.2.2 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161001 | 2495 | 1 | Addition of B66 in Frequency bands and channel arrangement. | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161004 | 2427 | 1 | Updates of some Rel-13 defined CA combinations to chapter 5 of TS 36.521-1 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161005 | 2449 | 1 | New ProSe test case: Demodulation of PSDCH for ProSe direct discovery | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161006 | 2450 | 1 | New ProSe test case: Maximum input level test | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161008 | 2398 | 1 | Updates to TC 8.7.1.1\_A.2 FDD Sustained data rate performance for CA (3DL CA) | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161009 | 2421 | 1 | Updates to TM3 TDD-FDD with TDD Pcell 2DLCA and 3DLCA test cases | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161010 | 2491 | 1 | Corrections to TDD FDD CA Open Loop Spatial Multiplexing TCs | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161012 | 2502 | 1 | 36.521-1 Sensitivity test points revision for 3DL 1A-3A-7A | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161014 | 2503 | 1 | 36.521-1 Sensitivity test points revision for 3DL 1A-3A-20A | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161017 | 2417 | 1 | Update to TC 6.2.4A.2 A-MPR for 2UL inter-band CA | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161019 | 2356 | 1 | New CA 2UL Tx test case 6.5.2A.1.3 Error Vector Magnitude (EVM) for CA (intra-band non-contiguous DL CA and UL CA) | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161022 | 2359 | 1 | New CA 2UL Tx test case 6.5.2A.3.2 In-band emissions for non allocated RB for CA (inter-band DL CA and UL CA) | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161023 | 2360 | 1 | New CA 2UL Tx test case 6.5.2A.3.3 In-band emissions for non allocated RB for CA (intra-band non-contiguous DL CA and UL CA) | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161024 | 2361 | 1 | New CA 2UL Tx test case 6.6.3.1A.3 Transmitter Spurious emissions for CA (intra-band non-contiguous DL CA and UL CA) | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161025 | 2377 | 1 | Addition of new LTE\_CA\_Rel12\_2UL test case 6.6.3.2A.3 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161026 | 2378 | 1 | Completion of new LTE\_CA\_Rel12\_2UL Test Case 6.7A.2 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161028 | 2517 | 1 | Introduction of test case 6.6.2.2A.2 - Additional Spectrum Emission Mask for CA (inter-band DL CA and UL CA) | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161029 | 2407 | 1 | Updates to Annex A for 256QAM test | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161030 | 2403 | 1 | Addition of new TC 9.2.1.7 FDD CQI Reporting under AWGN conditions – PUCCH 1-0 for 256QAM in DL | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161031 | 2404 | 1 | Addition of new TC 9.2.1.8 TDD CQI Reporting under AWGN conditions – PUCCH 1-0 for 256QAM in DL | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161032 | 2405 | 1 | Addition of new TC 9.3.1.2.3 FDD CQI Reporting under fading conditions – PUSCH 3-1 for 256QAM in DL | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161033 | 2406 | 1 | Addition of new TC 9.3.1.2.4 TDD CQI Reporting under fading conditions – PUSCH 3-1 for 256QAM in DL | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161034 | 2399 | 1 | Updates to 7.4A.1\_H and 7.4A.2\_H Maximum input level for intra-band contiguous CA for 256QAM in DL | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161035 | 2402 | 1 | Updates to TC 7.4A.5\_H Maximum input level for CA (3DL CA without UL CA) for 256QAM in DL | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161039 | 2353 | 1 | LTE Type B performance requirements - Introduction of new test cases 8.2.1.4.4 and 8.2.2.4.5 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161040 | 2354 | 1 | LTE Type B performance requirements - Adding test cases 8.2.1.4.4 and 8.2.2.4.5 into Annex F and G | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161041 | 2433 | 1 | Test configuration correction for AMPR tests | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161042 | 2434 | 1 | Test configuration correction for ASE tests | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161043 | 2435 | 1 | Test configuration correction for ASEM tests | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161044 | 2438 | 1 | Test configuration correction for UL 64QAM AMPR tests | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161045 | 2441 | 1 | Test configuration correction for UL 64QAM ASE tests | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161046 | 2442 | 1 | Test configuration correction for UL 64QAM ASEM tests | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161047 | 2444 | 1 | Rel-8 Test point reduction for UL 64QAM AMPR, ASEM and ASE tests | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161056 | 2410 | 1 | Adding new clause 6.3.5A.1.0 and 6.3.5A.2.0 to define the minimum conformance requirements. | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161059 | 2465 | 1 | New CA band combination CA\_41A-42C - Updates of 7.3A Refsens | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161061 | 2447 | 1 | Rel-10 Test point reduction for UL 64QAM CA AMPR, ASEM and ASE tests | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161062 | 2472 | 1 | Correction to the UL CA Frequency Error Testcase | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161064 | 2522 | 1 | Correction to A-MPR test with frequency hopping | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161065 | 2415 | 1 | Correction of Table number of DeltaRib reference in CA receiver RF tests | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161073 | 2367 | 1 | Update of test applicability for eDL MIMO enhancement TCs | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161085 | 2514 | 1 | 36.521-1 Editorial corrections | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161086 | 2524 | 1 | Addition frequency bands and channel arrangement for B67 and CA\_20-67 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161103 | 2355 | 2 | New CA 2UL Tx test case 6.5.2A.1.2 Error Vector Magnitude (EVM) for CA (inter-band DL CA and UL CA) | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161104 | 2357 | 2 | New CA 2UL Tx test case 6.5.2A.2.2 Carrier leakage for CA (inter-band DL CA and UL CA) | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161105 | 2358 | 2 | New CA 2UL Tx test case 6.5.2A.2.3 Carrier leakage for CA (intra-band non-contiguous DL CA and UL CA) | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161107 | 2389 | 2 | Reference sensitivity level with 4 Rx antenna ports | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161109 | 2509 | 2 | 36.521-1 Transmitter tests for Band 66 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161110 | 2512 | 1 | 36.521-1 Receiver tests for Band 66 | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161111 | 2373 | 1 | Correction to power level for dual layer TM9 demodulation tests | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161112 | 2458 | 2 | Correction to TDD CQI Reporting for feICIC | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161113 | 2461 | 2 | Correction to UL 64 QAM RMC | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161114 | 2475 | 2 | Correction to CQI reports in CoMP fading test | 13.0.1 | 13.1.0 |
| 2016-03 | RAN#71 | R5-161115 | 2476 | 2 | Correction to test system uncertainties for Rx 7.6.3 | 13.0.1 | 13.1.0 |
| 2016-06 | RAN#72 | R5-162088 | 2527 | - | Test Tolerances for FDD PDSCH Closed Loop Single Layer Spatial Multiplexing 2x2 with TM4 Interference Model– Enhanced Performance | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162090 | 2528 | - | Test Tolerances for TDD PDSCH Closed Loop Single Layer Spatial Multiplexing 2x2 with TM4 Interference Model– Enhanced Performance | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162169 | 2533 | - | Corrections to Annex F.1.2 and F.3.2 for Pcmax test case | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162189 | 2536 | - | Additions to test case 6.3.5E.3 – Aggregate power control tolerance for UE category 0 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162191 | 2537 | - | Additions to test case 6.3.5E.2 – Power Control Relative power tolerance for UE category 0 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162192 | 2538 | - | Editorial correction in Reference sensitivity QPSK PREFSENS four antenna ports Table number | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162195 | 2539 | - | Addition In-band blocking with 4 Rx antenna ports test case | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162210 | 2542 | - | Addition of UL CA capability for CA\_4A-5A in Table 5.4.2A.1-2 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162211 | 2543 | - | New test points for CA\_4A-5A (2DL-2UL) in sec. 6.2 and sec. 6.3 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162212 | 2544 | - | New test points for CA\_4A-5A (2DL-2UL) in sec. 6.5 and sec. 6.6 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162215 | 2545 | - | Update of requirements in TC 6.2.2A.2 for CA\_4A-5A (2DL-2UL) | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162235 | 2557 | - | Introduction of ACLR for intra-band non-contiguous UL CA for UL 64QAM | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162241 | 2563 | - | New test case: Maximum sidelink processes for ProSe Direct discovery | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162247 | 2569 | - | Update of TC 7.3A.6 for CA\_4A-5A (2DL-2UL) | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162248 | 2570 | - | New D2D Tx test case 6.5.1D.2 Frequency error for ProSe Direct Communication | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162249 | 2571 | - | Update of Inter-band E-UTRA ProSe / E-UTRA operating bands to chapter 5 of TS 36.521-1 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162251 | 2572 | - | Update to CA 2UL Tx test case 6.5.1A.3 Frequency Error for CA (intra-band non-contiguous DL CA and UL CA) | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162296 | 2590 | - | New TC: FDD PDSCH Closed Loop Single-layer Spatial Multiplexing on antenna ports 7 or 8 with TM9 Interference Model - Enhanced Performance Requirement Type B | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162303 | 2593 | - | RF: Wrong Number of PDCCH symbols in TC 8.2.1.4.1\_H | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162304 | 2594 | - | RF: Corrections to RMCs in Annex A | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162306 | 2595 | - | RF: Correction to RMC for UE Category 1 in CSI tests | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162308 | 2597 | - | RF: Pb setting in power imbalance TCs | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162309 | 2598 | - | RF: UE Categories in FDD-TDD 2DL joint operation CSI test cases | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162324 | 2605 | - | Introduction of TDD PCFICH/PDCCH Single-antenna Port Performance 1x4 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162340 | 2608 | - | Added Channel BW clause for Dual Connectivity | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162343 | 2609 | - | Introduction of Spurious Response for ProSe | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162344 | 2610 | - | Introduction of In-band blocking for ProSe | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162345 | 2611 | - | Introduction of Out-of-band blocking for ProSe | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162346 | 2612 | - | Annex F: Addition of chapter 7 ProSe TCs | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162350 | 2615 | - | UL CA: Corrections to 6.5.2A.x inter-band and non-contiguous TCs | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162354 | 2618 | - | Correction to UL64QAM A-MPR and ASE tests | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162355 | 2619 | - | Correction to TC 8.2.1.3.1A\_A.1 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162358 | 2622 | - | Annex G: Corrections to test times for joint operation TCs | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162393 | 2625 | - | Addition CA\_66A-66A in test case 7.4A.4\_H | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162420 | 2628 | - | Addition of CA\_1A-3A-7A in 36.521-1 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162421 | 2629 | - | Addition of CA\_3A-7A-8A in 36.521-1 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162463 | 2633 | - | Addition of Band 45 to Section 5 of 36.521-1 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162464 | 2634 | - | Addition of Band 45 in maximum output power test cases | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162465 | 2635 | - | Addition of Band 45 in MPR test cases | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162467 | 2637 | - | Addition of Band 45 in Refsens test cases | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162468 | 2638 | - | Addition of Band 45 in in-band blocking test cases | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162469 | 2639 | - | Addition of Band 45 in out-of-band blocking test cases | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162475 | 2640 | - | Addition of output power configuration for CA\_3C-5A to Section 6.2.5 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162486 | 2644 | - | Updates of test configuration for Additional spurious emissions for 2UL inter-band CA | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162490 | 2645 | - | New CA band combinations CA\_28A-41A and CA\_28A-41C - Updates of 5.4.2A Channel bandwidth | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162491 | 2646 | - | New CA band combinations CA\_28A-41A and CA\_28A-41C - Updates of 6.2.5.3 Delta TIB | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162492 | 2647 | - | New CA band combinations CA\_28A-41A and CA\_28A-41C - Updates of 7.3.3 Delta RIB | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162495 | 2649 | - | New CA band combinations CA\_28A-42A and CA\_28A-42C - Updates of 5.4.2A Channel bandwidth | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162496 | 2650 | - | New CA band combinations CA\_28A-42A and CA\_28A-42C - Updates of 6.2.5.3 Delta TIB | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162497 | 2651 | - | New CA band combinations CA\_28A-42A and CA\_28A-42C - Updates of 7.3.3 Delta RIB | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162499 | 2653 | - | New CA band combinations CA\_41C-42A and CA\_41C-42C - Updates of 5.4.2A Channel bandwidth | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162500 | 2654 | - | New CA band combinations CA\_41C-42A and CA\_41C-42C - Updates of 6.2.5.3 Delta TIB | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162501 | 2655 | - | New CA band combinations CA\_41C-42A and CA\_41C-42C - Updates of 7.3.3 Delta RIB | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162502 | 2656 | - | New CA band combinations CA\_41C-42A - Updates of 7.3A Refsens | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162527 | 2661 | - | Correction of editor's note for CA\_41A-42C | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162528 | 2662 | - | Minor correction to TC 8.2.1.4.2\_A.1 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162542 | 2666 | - | Updates of delta TIB,c values for some CA configurations | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162549 | 2668 | - | Correction to test case 9.3.2.2.2\_D | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162550 | 2669 | - | Correction to test applicability in test case 8.7.5.1.1 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162553 | 2671 | - | Correction to test case 9.3.3.1.1. | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162563 | 2676 | - | Introduction of new Rx test case Maximum input level with 4 Rx antenna ports | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162567 | 2678 | - | Addition of 2x1 antenna correlation matrices for UE category 0 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162568 | 2679 | - | Updates to test case 8.9.1.1.1 - FDD PDSCH Transmit Diversity 2x1 for UE category 0 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162569 | 2680 | - | Updates to test case 9.7.1.1 - FDD and Half duplex FDD CQI reporting definition under AWGN conditions for UE category 0 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162593 | 2688 | - | Correction to CQI tests for Enhanced Performance Type A | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162594 | 2689 | - | Correction to TDD FDD CA CQI Reporting tests | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162596 | 2691 | - | Correction to demodulation test cases for CoMP in 8.3.1.3.2\_F and 8.3.2.4.2\_F | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162597 | 2692 | - | Correction to PDCCH Aggregation Level for SDR test | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162605 | 2695 | - | Update of refsens test case 7.3A.3 for CA\_20A-67A | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162647 | 2700 | - | Re-Addition of new LTE\_CA\_Rel12\_2UL test case 6.6.3.2A.3 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162661 | 2704 | - | Band 65 introduction to Chapter 7 in 36.521-1 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162802 | 2546 | 1 | Introduction of MPR for inter-band DL CA and UL CA for UL 64QAM | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162803 | 2547 | 1 | Introduction of MPR for intra-band non-contiguous CA and UL CA for UL 64QAM | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162804 | 2553 | 1 | Rel-11 Test point reduction for intra-band non-contiguous UL CA MPR and ACLR tests | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162805 | 2554 | 1 | Rel-11 Test point reduction for inter-band UL CA AMPR, ASEM and ASE tests | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162806 | 2555 | 1 | R8 - Modification of test bandwidths in AMPR, ASEM and ASE test | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162807 | 2556 | 1 | R13 - Modification of test bandwidths in AMPR and ASE for UL 64QAM test | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162808 | 2616 | 1 | UL CA: Corrections to TC 6.5.2A.1.1 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162810 | 2685 | 1 | Correction to 6.2.4 A-MPR test for Band 12 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162811 | 2535 | 1 | Corrections to CA\_41A-41C and CA\_41C-41A tables in clauses 7.3A.5, 7.4A.5, 7.5A.5, 7.6.1A.5, 7.6.2A.5, 7.6.3A.5 and 7.8.1A.5 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162812 | 2665 | 1 | Correction of refsens test case 7.3A.3 for CA\_20A-32A | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162813 | 2674 | 1 | New CA band combination CA\_8A-40A – Updates of 7.3.3 Delta RIB | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162814 | 2684 | 1 | New CA band combination CA\_8A-40A – Updates of 7.3A Refsens | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162815 | 2686 | 1 | Correction to reference sensitivity test cases | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162816 | 2687 | 1 | Clarification of interferer frequencies in ACS | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162817 | 2621 | 1 | Corrections to chapter 8 joint operation TCs | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162818 | 2670 | 1 | Correction to test case 8.2.3.2.2A | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162819 | 2690 | 1 | Additional test point for 3DL CA Performance and CQI test cases | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162820 | 2693 | 1 | Correction to TDD FDD CA performance test cases for FDD PCell(2DL and 3DL) | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162821 | 2694 | 1 | Correction to TDD FDD CA performance test cases for TDD PCell TCs(2DL) | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162832 | 2623 | 1 | Corrections to 256QAM SDR joint operation TCs | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162837 | 2559 | 1 | New test case: 2x4 PDSCH TM9 single layer TypeA | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162838 | 2530 | 1 | Addition of CA\_4A-12A Bandwidth combination set5 information | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162839 | 2567 | 1 | Update of TC 6.6.3.1A.2 for CA\_4A-5A (2DL-2UL) | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162840 | 2584 | 1 | Updates TC7.3 for new Rel-13 defined CA combinations to minimum requirements of Reference sensitivity | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162841 | 2585 | 1 | Updates TC7.3A for new Rel-13 defined CA combinations to minimum requirements of Reference sensitivity for CA | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162842 | 2586 | 1 | Updates of some Rel-13 defined CA combinations to operating bands of TS 36.521-1 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162843 | 2587 | 1 | Updates TC6.2.5 for delta TIB,c values with new Rel-13 CA band combination | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162844 | 2627 | 1 | Addition of CA\_4A-4A BW set 1 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162846 | 2531 | 1 | Addition of Rel-13 CA combination CA\_3A-41A to refsens for inter-band 2DL CA | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162847 | 2710 | 1 | Introduction of new TC8.2.1.4.2\_A.3 4DL CA | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162848 | 2719 | 1 | Addition of definition of CA capability with 4DL & 5DL CCs | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162849 | 2720 | 1 | Addition of Operating bands for CA in clause 5.2A | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162851 | 2560 | 1 | New test case: 4layer PDSCH CLSM | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162852 | 2561 | 1 | New test case: 4layer PDSCH TM9 SM | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162853 | 2562 | 1 | New test case: 3layer PDSCH OLSM | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162854 | 2573 | 1 | New Performance test case 8.10.4.1.1 FDD distributed EPDCCH performance 2x4 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162855 | 2574 | 1 | New Performance test case 8.10.4.1.2 TDD distributed EPDCCH performance 2x4 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162856 | 2575 | 1 | New Performance test case 8.10.4.2.1 FDD localized EPDCCH performance with TM9 2x4 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162857 | 2576 | 1 | New Performance test case 8.10.4.2.2 TDD localized EPDCCH performance with TM9 2x4 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162858 | 2602 | 1 | Introduction of FDD PCFICH/PDCCH Single-antenna Port Performance 1x4 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162859 | 2603 | 1 | Introduction of FDD PCFICH/PDCCH Transmit Diversity 2x4 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162860 | 2606 | 1 | Introduction of TDD PCFICH/PDCCH Transmit Diversity 2x4 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162861 | 2607 | 1 | Introduction of TDD PCFICH/PDCCH Transmit Diversity 4x4 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162862 | 2675 | 1 | Addition of 4Rx antenna port feature into Annex I | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162863 | 2677 | 1 | Introduction of new Rx test case Adjacent Channel Selectivity (ACS) with 4 Rx antenna ports | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162865 | 2577 | 1 | Rearrangement of TC 6.6.2.3A.1\_1 and TC 6.6.2.3A.2 and corrections to TC 6.6.2.3A.2 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162866 | 2614 | 1 | UL CA: Corrections to intra-band non-contiguous test configuration tables | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162867 | 2725 | 1 | Updates of test configuration for EVM and Carrier leakage test cases of 2UL CA | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162868 | 2643 | 1 | Addition of minimum requirement tables to clause 6.3.5A.1.0 and 6.3.5A.2.0 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162869 | 2681 | 1 | Updates to test case 6.6.2.2A.2 - Additional Spectrum Emission Mask for CA (inter-band DL CA and UL CA) | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162870 | 2699 | 1 | Re-submission of New CA 2UL Tx test case 6.5.2A.1.3 Error Vector Magnitude (EVM) for CA (intra-band non-contiguous DL CA and UL CA) | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162872 | 2724 | 1 | Additions to test case 6.6.3.1A.2 – Transmitter Spurious emissions for CA (inter-band DL CA and UL CA) | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162875 | 2696 | 1 | Adding operating band definitions for MTC and eMTC | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162877 | 2564 | 1 | New test case: PSSCH performance for ProSe Direct communication | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162878 | 2565 | 1 | New test case: Maximum sidelink processes for ProSe Direct communication | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162879 | 2722 | 1 | New test Case: ProSe-UE Maximum Output Power | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162880 | 2723 | 1 | New test Case: ProSe-UE Maximum Power Reduction test case | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162884 | 2599 | 1 | Update to FDD PDSCH Closed Loop Multi-Layer Spatial Multiplexing 4x2 for Dual Connectivity | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162885 | 2600 | 1 | Update to TDD PDSCH Closed Loop Multi-Layer Spatial Multiplexing 4x2 for Dual Connectivity | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162886 | 2601 | 1 | Update to sustained data rate performance for Dual Connectivity 64QAM | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162887 | 2641 | 1 | Addition of test case for FDD sustained data rate performance for Dual Connectivity 256QAM | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162888 | 2642 | 1 | Addition of test case for TDD sustained data rate performance for Dual Connectivity 256QAM | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162890 | 2728 | - | Adding Low Wgap definition to section 3 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162952 | 2632 | 1 | Update to TC 6.3.5A.2.3 Power Control Relative power tolerance for CA (intra-band non-contiguous DL CA and UL CA) | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162953 | 2525 | 1 | CR for Clause 9.3.8.2 in 36.521-1 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162954 | 2591 | 1 | New TC: TDD PDSCH Closed Loop Single-layer Spatial Multiplexing on antenna ports 7 or 8 with TM9 Interference Model - Enhanced Performance Requirement Type B | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162967 | 2624 | 2 | Addition CA combinations in intra-band contiguous DL CA and UL CA transmitter test cases | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162969 | 2660 | 1 | Update BW definition for band 66 in clause 5 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162973 | 2701 | 1 | Band 65 introduction to Chapter 5 in 36.521-1 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162974 | 2703 | 1 | Band 65 introduction to Chapter 6.6.3 in 36.521-1 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162975 | 2636 | 1 | Addition of Band 45 in Spurious emission test cases | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162976 | 2540 | 2 | 6.3.4E.1 – General ON/OFF time mask for UE category 0 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162977 | 2548 | 1 | Introduction of AMPR for inter-band DL CA and UL CA for UL 64QAM | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162978 | 2541 | 1 | 6.3.4.1 – General ON/OFF time mask. | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162979 | 2549 | 1 | Introduction of EVM for inter-band UL CA for UL 64QAM | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162980 | 2550 | 1 | Introduction of ASEM for inter-band DL CA and UL CA for UL 64QAM | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162981 | 2551 | 1 | Introduction of ACLR for inter-band DL CA and UL CA for UL 64QAM | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162982 | 2552 | 1 | Introduction of ASE for inter-band DL CA and UL CA for UL 64QAM | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162983 | 2657 | 1 | Updates of test point for A-Spur for UL 64QAM | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162985 | 2673 | 1 | New CA band combination CA\_8A-40A – Updates of 5.4.2A Channel Bandwidth | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162987 | 2664 | 1 | Change of test case applicability for A-MPR for NS\_05 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162989 | 2566 | 1 | Update of TC 6.6.2.2A.2 for CA\_4A-5A (2DL-2UL) | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162990 | 2648 | 1 | New CA band combinations CA\_28A-41A and CA\_28A-41C - Updates of 7.3A Refsens | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162991 | 2716 | 1 | Introduction of new TC7.7A.7 4DL CA | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162992 | 2604 | 1 | Introduction of FDD PCFICH/PDCCH Transmit Diversity 4x4 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162993 | 2532 | 1 | Update test case 6.2.4A.2:AMPR for 2UL inter-band CA | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162995 | 2658 | 1 | Addition of a new TC for Minimum Output Power for CA (inter-band DL CA and UL CA) | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162996 | 2659 | 1 | Addition of a new TC for Minimum Output Power for CA (intra-band non-contiguous DL CA and UL CA) | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-162997 | 2682 | 1 | Introduction of test case 6.6.2.2A.3 - Additional Spectrum Emission Mask for CA (intra-band non-contiguous DL CA and UL CA) | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-163100 | 2588 | 1 | Introduction of new eMTC RF test case 6.3.5EA.1 for category M1 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-163101 | 2589 | 1 | Introduction of new eMTC RF test case 6.3.5EA.2 for category M1 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-163102 | 2705 | 1 | Addition of new test case for aggregate power control tolerance for UE category M1 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-163103 | 2706 | 1 | Addition of New test case for Maximum input level for UE category M1 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-163104 | 2707 | 1 | Addition of New test case for Adjacent Channel Selectivity (ACS) for category M1 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-163107 | 2568 | 1 | New D2D Tx test case 6.5.1D.1 Frequency error for ProSe Direct Discovery | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-163110 | 2558 | 1 | New 2x4 test case: PDSCH CLSM TypeA | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-163119 | 2708 | 1 | Introduction of new TC7.3A.9 4DL CA | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-163120 | 2709 | 1 | Introduction of new TC7.4A.7 4DL CA | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-163121 | 2711 | 1 | Introduction of new TC7.5A.7 4DL CA | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-163122 | 2712 | 1 | Introduction of new TC7.6.1A.7 4DL CA | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-163123 | 2713 | 1 | Introduction of new TC7.6.2A.7 4DL CA | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-163124 | 2715 | 1 | Introduction of new TC7.6.3A.7 4DL CA | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-163125 | 2717 | 1 | Introduction of new TC7.8.1A.7 4DL CA | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-163126 | 2718 | 1 | Updates of delta TIB,c values and table references for delta TIB,c for TC 6.2.5 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-163127 | 2727 | 1 | Introduction of CA 1A-8A-11A in chapters 5, 6 and 7 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-163129 | 2529 | 1 | Addition of new test case 7.9\_1 Spurious emissions with 4 Rx antenna ports | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-163130 | 2534 | 1 | Revise Power Control Relative power tolerance for CA (intra-band contiguous DL CA and UL CA) test case 6.3.5A.2.1 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-163132 | 2652 | 1 | New CA band combinations CA\_28A-42A and CA\_28A-42C - Updates of 7.3A Refsens | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-163192 | 2631 | 2 | Update to TC 6.3.5A.2.2 Power Control Relative power tolerance for CA (inter-band DL CA and UL CA) | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-163194 | 2702 | 2 | Band 65 introduction to Chapter 6.2 in 36.521-1 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-163195 | 2663 | 2 | Change of test points and requirements for A-MPR for NS\_05 | 13.1.0 | 13.2.0 |
| 2016-06 | RAN#72 | R5-163196 | 2726 | 1 | Correction to the UL CA Frequency Error Testcase | 13.1.0 | 13.2.0 |
| 2016-09 | RAN#73 | R5-165046 | 2742 | 2 | Introduction of new definitions for NB-IoT in Chapter 3 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165047 | 2744 | 2 | Introduction of general information for NB-IoT in Chapter 4 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165048 | 2745 | 2 | Introduction of operating bands for NB-IoT in Chapter 5 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165049 | 2730 | 2 | Introduce Downlink Fixed Reference Channels for UE category NB1 Receiver tests | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165050 | 2731 | 2 | Introduce GSM Interferer for UE category NB1 Adjacent channel selectivity tests | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165051 | 2736 | 2 | New test case: 6.2.2EA UE Maximum Output Power for UE category M1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165057 | 2759 | 2 | Addition of FDD MPDCCH demod test case for eMTC | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165058 | 2760 | 2 | Addition of TDD MPDCCH demod test case for eMTC | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165062 | 2757 | 2 | UE Maximum Output Power for UE category NB1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165063 | 2741 | 2 | Addition of test case 6.6.2.3F for ACLR for UE category NB1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165067 | 2749 | 2 | Addition of test case 6.7F for Transmit Intermodulation for UE category NB1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165068 | 2750 | 2 | Addition of Occupied Bandwidth test case 6.6.1F for UE category NB1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165069 | 2751 | 2 | Addition of Spectrum Emission Mask test case 6.6.2.1F for UE category NB1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165070 | 2756 | 2 | Introduction of 6.5.1F Frequency Error for UE category NB1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165071 | 2763 | 2 | Introduction of new NB-IoT RF test case 6.3.4F.1 for category NB1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165072 | 2765 | 2 | Introduction of test case 6.2.3F - Maximum Power Reduction (MPR) for UE category NB1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165073 | 2766 | 2 | Introduction of test case 6.6.3F.1 - Transmitter Spurious emission for UE category NB1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165074 | 2758 | 2 | Maximum input level for UE category NB1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165075 | 2729 | 2 | Introduce Adjacent Channel Selectivity (ACS) for UE category NB1 test case 7.5F | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165076 | 2733 | 2 | Introduce Downlink Physical Channels for UE category NB1 Receiver tests | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165077 | 2764 | 2 | Addition of the TC 6.6.2.3EA ACLR for UE category M1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165094 | 2776 | - | New test case: 6.5.1EA Frequency Error for UE category M1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165095 | 2777 | - | New test case: 6.5.2.1EA.1 Error Vector Magnitude for UE category M1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165096 | 2778 | - | New test case: 6.5.2.1EA.2 PUSCH-EVM with exclusion period for UE category M1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165097 | 2779 | - | New test case: 6.5.2.2EA Carrier leakage for UE category M1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165098 | 2780 | - | New test case: 6.5.2.3EA In-band emissions for non allocated RB for UE category M1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165099 | 2781 | - | New test case: 6.5.2.4EA EVM equalizer spectrum flatness for UE category M1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165100 | 2782 | - | New test case: 6.6.2.1EA Spectrum Emission Mask for UE category M1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165101 | 2783 | - | New test case: 6.6.2.2EA Additional Spectrum Emission Mask for UE category M1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165117 | 2797 | - | Changes to general clauses for UE category M1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165158 | 2800 | - | Introduction of ProSe RF TC 7.5D | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165159 | 2801 | - | Introduction of ProSe RF TC 7.6.3D | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165160 | 2802 | - | Introduction of ProSe RF TC 7.8.1D | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165210 | 2808 | - | New CA band combination CA\_1A-40A and CA\_3A-40A - Updates of 7.3A Refsens | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165225 | 2809 | - | Update minimum test time into Annex G for TC 8.9.1.1.3,8.9.1.2.3 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165228 | 2810 | - | Update to TC 9.7.2.1,9.7.2.2 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165243 | 2812 | - | Addition of new 4Rx Test Cases - CQI reporting / AWGN / rank 1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165244 | 2813 | - | Addition of new 4Rx Test Cases - CQI reporting / AWGN / rank 2 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165245 | 2814 | - | Addition of new 4Rx Test Cases - CQI reporting / AWGN / rank 4 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165247 | 2815 | - | Addition of new 4Rx Test Cases - CQI reporting / AWGN / rank 3 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165248 | 2816 | - | Uncertainties and Test Tolerances for new 4Rx Test Cases - CQI reporting / AWGN | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165250 | 2817 | - | Addition of channel matrices for 4Rx in Annex B.1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165310 | 2822 | - | Update to FDD PCFICH/PDCCH transmit diversity 2x4 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165311 | 2823 | - | Update to FDD PCFICH/PDCCH transmit diversity 4x4 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165322 | 2833 | - | Update minimum requirement of Reference sensitivity level for all Rel-13 CA configurations | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165334 | 2834 | - | Correction of test requirements of In-band emissions for non allocated RB | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165366 | 2837 | - | Update to test case 8.10.4.1.1 FDD distributed EPDCCH performance 2x4 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165368 | 2839 | - | Update to test case 8.10.4.1.2 TDD distributed EPDCCH performance 2x4 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165369 | 2840 | - | Update to test case 8.10.4.2.1 FDD localized EPDCCH performance 2x4 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165370 | 2841 | - | Introduction of a clause for Demodulation of PBCH (enhanced coverage) | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165371 | 2842 | - | Update to test case 8.10.4.2.2 TDD localized EPDCCH performance 2x4 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165395 | 2851 | - | Correction to the test requirement for General ON/OFF time mask for UE category 0 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165413 | 2854 | - | Correction for UL 64QAM test cases to TS36.521-1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165415 | 2856 | - | Update to eMTC RF test case 6.3.5EA.2 for category M1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165424 | 2861 | - | Update Reference sensitivity for Band 66 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165441 | 2868 | - | Introduction of EVM test for UL 64QAM + 2UL CA (intra-band non-contiguous DL CA and UL CA) | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165443 | 2870 | - | Introduction of test requirements for AMPR inter-band UL CA + UL 64QAM | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165444 | 2871 | - | Introduction of TT in Annex F for UL 64QAM + 2UL CA | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165454 | 2872 | - | Correction to test case 7.3E Reference sensitivity level for UE category 0 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165485 | 2876 | - | Removal of SCC allocation in TCs 6.5.2A.x | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165487 | 2878 | - | Annex F: Addition of Uncertainties for chapter 7 ProSe TCs | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165489 | 2880 | - | Minor correction to TC 6.6.3.3A.2 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165496 | 2885 | - | Update to Annex C for CAT M1 testing | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165510 | 2887 | - | UE Power Class test requirements in Multi-Cluster PUSCH TCs | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165512 | 2889 | - | Correction of Reference sensitivity test settings for CA\_26A-41C | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165541 | 2890 | - | Introduction of additional 3DL tolerances in TC 6.2.2A.2 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165592 | 2894 | - | Adding the Diversity characteristics requirements in chapter 7.2 for category NB1 UE. | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165624 | 2909 | - | New TC: FDD PDSCH Closed Loop Single-layer Spatial Multiplexing on antenna ports 7 or 8 with TM3 interference model - Enhanced Performance Requirement Type B | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165625 | 2910 | - | New TC: TDD PDSCH Closed Loop Single-layer Spatial Multiplexing on antenna ports 7 or 8 with TM3 interference model - Enhanced Performance Requirement Type B | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165673 | 2924 | - | Correction to CA sustained data rate tests for 256QAM | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165674 | 2925 | - | Clean up on UE DL category for 256QAM DL RMC | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165675 | 2926 | - | Correction to TDD eDL-MIMO performance test case with 256QAM | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165676 | 2927 | - | Addition of test points in 6.5.1A.1 Frequency error for CA | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165680 | 2931 | - | Correction to Annex F.3 for UL64QAM test cases | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165681 | 2932 | - | Clean up on TM4 CA and TDD FDD CA performance test cases | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165682 | 2933 | - | Correction to TDD FDD CA sustained data rate performance test cases | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165683 | 2934 | - | Correction to the minimum test time for TDD FDD CA performance test cases | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165684 | 2935 | - | Correction to TDD FDD soft buffer for 2DL CA | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165690 | 2938 | - | Correction of the test requirement for TC 6.6.2.1A.1 SEM for CA (intra-band contiguous DL CA and UL CA) | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165695 | 2942 | - | Addition of the FDD-FDD-TDD 3DL case into TC 9.6.1.3.2 TDD FDD CQI Reporting under AWGN conditions – PUCCH 1-0 for FDD PCell (3DL CA) | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165701 | 2948 | - | Change of test points and requirements for NS\_05 A-MPR for UL64QAM | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165702 | 2949 | - | Change of test points and requirements for NS\_05 Additional spurious emissions for UL64QAM | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165732 | 2951 | - | Correction to spurious emission band UE co-existence limits references for Rel-13 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165734 | 2952 | - | NS\_24 and NS\_25 A-MPR test configuration and requirements | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165735 | 2953 | - | NS\_24 and NS\_25 A-Spurious emission test configuration and requirements | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165785 | 2955 | - | Addition of CQI report config IE for 4Rx TM9 test cases | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165787 | 2956 | - | Addition TC 6.3.2F Minimum Output power for UE category NB1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165790 | 2957 | - | Addition TC 7.3F.1 Reference sensitivity test for UE category NB1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165820 | 2966 | - | 36.521-1 UL CA frequency error clarification | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165837 | 2970 | - | Addition Out of-band blocking with 4 Rx antenna ports TC 7.6.2\_1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165838 | 2971 | - | Addition Narrow band blocking with 4 Rx antenna ports TC 7.6.3\_1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165857 | 2975 | - | New test case: FDD Multiple timing reference test for ProSe direct discovery | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-165858 | 2976 | - | New test case: FDD power imbalance performance with two links for ProSe Direct communication | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166001 | 2869 | 1 | Introduction of test configurations for ASEM inter-band UL CA + UL 64QAM | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166002 | 2930 | 1 | Correction to interferer frequencies in In-band blocking for CA | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166003 | 2884 | 1 | Addition of test points to UL 64 QAM TC | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166004 | 2905 | 1 | Correction to TC 6.2.4A.1 A-MPR for CA (intra-band contiguous DL CA and UL CA) | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166005 | 2929 | 1 | Correction to Max Power for CA | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166006 | 2928 | 1 | Clean up on chapter 3, 6 and 7 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166007 | 2941 | 1 | Change of test points and requirements for NS\_05 A-MPR | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166008 | 2943 | 1 | Change of test points and requirements for NS\_05 Additional spurious emissions | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166009 | 2945 | 1 | Change of test points and requirements for NS\_05 A-MPR for UL-MIMO | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166010 | 2947 | 1 | Change of test points and requirements for NS\_05 Additional spurious emissions for UL-MIMO | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166011 | 2818 | 1 | Change of names of 3DL TCs | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166012 | 2860 | 1 | Update Reference sensitivity for additional requirement | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166013 | 2883 | 1 | Correction to applicability of Power Class 3 only UL TCs | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166022 | 2799 | 1 | Correction to Max Input power for 256QAM | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166023 | 2939 | 1 | Update of the test points of the TC 8.7.1.1\_H.3 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166027 | 2771 | 1 | Update of Delta Tib tables in clause 6.2.5.3 for all Rel-13 CA configurations | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166028 | 2772 | 1 | Update of Delta Rib tables in clause 7.3.3 for all Rel-13 CA configurations | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166029 | 2773 | 1 | Update of CA operating bands and bandwidth for all Rel-13 CA configurations | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166030 | 2768 | 1 | Addition of CA\_3A-5A BW set 3 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166031 | 2819 | 1 | Introduction of CA\_8A-42A (2DL) to test case 7.3A.3 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166033 | 2820 | 1 | Introduction of CA\_8A-42C (3DL) to test case 7.3A.5 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166034 | 2853 | 1 | Addition of CA\_2A-28A in TS 36.521-1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166035 | 2858 | 1 | Update power control and in-band emission requirement for CA\_8B | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166036 | 2862 | 1 | Update TC 6.6.2.1A.1 requirement for CA\_8B | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166037 | 2902 | 1 | Rel 13 CA\_5B RF Test Cases Section 7 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166038 | 2903 | 1 | Rel 13 CA\_3C-5A RF Test Cases Section 7 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166039 | 2916 | 1 | Introduction of New TC8.7.1.1\_A.4 4DL CA | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166040 | 2917 | 1 | Introduction of New TC9.6.1.1\_A.3 4DL CA | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166041 | 2944 | 1 | Updates of Rx test cases for 4DL CA | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166042 | 2958 | 1 | Addition CA\_2A-4A-5A-30A in TS 36.521-1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166043 | 2960 | 1 | Addition CA\_2A-2A-4A-4A in TS 36.521-1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166044 | 2920 | 1 | Update TC 6.6.2.3A.1 and 6.6.2.3A.1\_1 requirement for CA\_8B | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166045 | 2921 | 1 | Update TC 6.6.3.1A.1 requirement for CA\_8B | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166046 | 2922 | 1 | Update TC 6.6.3.2A.1 requirement for CA\_8B | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166047 | 2923 | 1 | Update TC 6.7A.1 requirement for CA\_8B | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166048 | 2940 | 1 | Addition of the FDD-FDD-TDD 3DL case into TC 8.7.5.1.2 TDD FDD CA Sustained data rate performance for FDD PCell (3DL CA) | 13.2.0 | 13.3.0 |
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| 2016-09 | RAN#73 | R5-166060 | 2844 | 1 | New test case: 6.3.5F.1 Power Control Absolute power tolerance for UE category NB1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166061 | 2845 | 1 | New test case: 6.3.5F.2 Power Control Relative power tolerance for UE category NB1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166062 | 2846 | 1 | New test case: 7.7F Spurious response for UE category NB1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166063 | 2847 | 1 | New test case: 7.8.1F Wide band Intermodulation for UE category NB1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166064 | 2864 | 1 | Introduction of TT for Configured UE transmitted output power in Annex F | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166065 | 2865 | 1 | Resubmission of 6.2.5F Configured UE transmitted Output Power for UE category NB1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166066 | 2866 | 1 | Resubmission of 6.5.2.1F.1 Error Vector Magnitude (EVM) for UE category NB1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166067 | 2867 | 1 | Resubmission of 6.5.2.2F Carrier leakage for UE category NB1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166068 | 2895 | 1 | Addition of In-band emissions for non allocated RB test case 6.5.2.3F for UE category NB1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166069 | 2775 | 1 | New test case: 6.2.4EA Additional Maximum Power Reduction (A-MPR) for UE category M1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166070 | 2791 | 1 | New test case: 6.2.3EA Maximum Power Reduction (MPR) for UE category M1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166071 | 2792 | 1 | New test case: 6.6.3EA.1 Transmitter Spurious emissions for UE category M1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166072 | 2793 | 1 | New test case: 6.6.3EA.2 Spurious emission band UE co-existence for UE category M1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166073 | 2794 | 1 | New test case: 6.6.3EA.3 Additional spurious emissions for UE category M1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166074 | 2795 | 1 | New test case: 7.3EA Reference sensitivity level for UE category M1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166075 | 2835 | 1 | Introduction of General ON/OFF time mask for UE category M1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166076 | 2836 | 1 | Introduction of PRACH and SRS ON/OFF time mask for UE category M1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166077 | 2838 | 1 | Introduction of Occupied bandwidth for UE category M1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166078 | 2848 | 1 | New test case: 7.7EA Spurious response for UE category M1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166080 | 2850 | 1 | New test case: 7.9EA Spurious emissions UE category M1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166084 | 2913 | 1 | Update of TC6.3.5EA.3 Aggregate power control tolerance for UE category M1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166085 | 2914 | 1 | Update of TC7.4EA Maximum input level for UE category M1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166086 | 2915 | 1 | Update of TC7.5EA Adjacent Channel Selectivity (ACS) for UE category M1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166087 | 2972 | 1 | Adding narrowband and narrowband index definitions to 36.521-1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166103 | 2805 | 1 | Corrections to LC MTC test case 7.4E and 7.5E | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166104 | 2912 | 1 | Update of TC 9.7.1.2 TDD CQI reporting definition under AWGN conditions for UE category 0 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166105 | 2803 | 1 | Introduction of NAICS RF TC 8.3.1.1.7 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166106 | 2804 | 1 | Introduction of NAICS RF TC 8.3.2.1.8 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166108 | 2875 | 1 | Removal of DL allocation from UL CA TCs | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166109 | 2964 | 1 | 36.521-1: UL CA spurious updates | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166111 | 2965 | 1 | 36.521-1: A-MPR and A-SEM corrections for inter-band UL CA | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166112 | 2859 | 1 | Additional Operation Band 46 for LAA | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166113 | 2897 | 1 | Update test case 7.6.3A.3 to add LAA band combinations | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166114 | 2824 | 1 | Update to TDD PCFICH/PDCCH single-antenna performance 1x4 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166115 | 2825 | 1 | Update to TDD PCFICH/PDCCH transmit diversity 2x4 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166116 | 2826 | 1 | Update to TDD PCFICH/PDCCH transmit diversity 4x4 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166117 | 2827 | 1 | Introduction of FDD PHICH Single-antenna Port Performance 1x4 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166118 | 2828 | 1 | Introduction of FDD PHICH Transmit Diversity 2x4 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166119 | 2829 | 1 | Introduction of FDD PHICH Transmit Diversity 4x4 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166120 | 2830 | 1 | Introduction of TDD PHICH Single-antenna Port Performance 1x4 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166121 | 2831 | 1 | Introduction of TDD PHICH Transmit Diversity 2x4 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166122 | 2832 | 1 | Introduction of TDD PHICH Transmit Diversity 4x4 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166123 | 2978 | 1 | Addition of the 4Rx test case into the chapter 7 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166133 | 2980 | - | Change of test points and requirements for NS\_05 A-MPR for Band 65 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166134 | 2981 | - | Change of test points and requirements for NS\_05 Additional spurious emissions for Band 65 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166135 | 2982 | - | Change of test points and requirements for NS\_05 A-MPR for UL-MIMO for Band 65 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166136 | 2983 | - | Change of test points and requirements for NS\_05 Additional spurious emissions for UL-MIMO for Band 65 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166137 | 2950 | 1 | Correction to TC 6.6.3.2 Band 66 UE E-UTRA release requirements | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166138 | 2967 | 1 | 36.521-1 Band 66 Receiver test cases updates | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166139 | 2977 | 1 | Updates to 4Rx Demod test cases | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166141 | 2959 | 1 | D2D New test cases: Power imbalance performance with two Sidelinks | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166143 | 2901 | 1 | Rel 13 CA\_5A-5A RF Test Cases Section 7 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166145 | 2937 | 1 | Addition of some 4DL CA combinations into TC 7.3A.9.5 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166147 | 2852 | 1 | Updates of 7.3A.5 Channel bandwidth for CA\_1A-3C | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166148 | 2898 | 1 | Introduction to new test case 6.2.5EA Configured transmitted power for UE category M1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166152 | 2879 | 1 | Corrections to TC 7.9A | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166154 | 2896 | 1 | Update test case 7.6.1A.3 to add LAA band combinations | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166155 | 2877 | 1 | Correction to 256QAM CQI TCs | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166156 | 2806 | 1 | Addition of CA\_4A-12A Bandwidth combination set5 information | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166157 | 2857 | 1 | Update Maximum Output Power and MPR requirement for CA\_8B | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166158 | 2918 | 1 | Update of Test Cases for 4DL CA | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166160 | 2821 | 1 | Update to FDD PCFICH/PDCCH single-antenna performance 1x4 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166165 | 2855 | 1 | Update to eMTC RF test case 6.3.5EA.1 for category M1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166166 | 2900 | 1 | Introduction to new test case 6.3.3EA UE Transmit OFF power for UE category M1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166169 | 2873 | 1 | Corrections to TC 7.3A.4 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166171 | 2899 | 2 | Introduction to new test case 6.3.2EA Minimum Output Power for UE category M1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166303 | 2874 | 2 | Corrections to TC 7.3A.5 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166309 | 2789 | 2 | New test case: 9.8.1.1 FDD and half-duplex FDD CQI reporting definition under AWGN conditions in enhanced coverage | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166310 | 2796 | 2 | New test case: 8.11.1.1.1 FDD and half-duplex FDD (Fixed Reference Channel) demodulation of PDCCH in enhanced coverage | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166311 | 2811 | 1 | Adding RMCs for CAT M1 testing to Annex A | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166312 | 2849 | 2 | New test case: 7.8.1EA Wide band intermodulation for UE category M1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166313 | 2891 | 2 | Introduction of new test case In-band blocking for UE category M1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166314 | 2892 | 2 | Introduction of new test case Out-of-band blocking for UE category M1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166315 | 2893 | 2 | Introduction of new test case Narrow band blocking for UE category M1 | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166319 | 2973 | 2 | 36.521-1 Correction of intra-band cont CA spurious co-existence test case for Rel-10 and Rel-11 UEs | 13.2.0 | 13.3.0 |
| 2016-09 | RAN#73 | R5-166053 | 2904 | 1 | New CA band combination CA\_1A-41A-42A - Updates of 5.4.2A Channel bandwidth | 13.3.0 | 14.0.0 |
| 2016-09 | RAN#73 | R5-166054 | 2906 | 1 | New CA band combination CA\_1A-41A-42A - Updates of 6.2.5.3 Delta TIB | 13.3.0 | 14.0.0 |
| 2016-09 | RAN#73 | R5-166055 | 2907 | 1 | New CA band combination CA\_1A-41A-42A - Updates of 7.3.3 Delta RIB | 13.3.0 | 14.0.0 |
| 2016-09 | RAN#73 | R5-166056 | 2908 | 1 | New CA band combination CA\_1A-41A-42A - Updates of 7.3A Refsens | 13.3.0 | 14.0.0 |
| 2016-12 | RAN#74 | R5-168019 | 2984 | - | Adding MPDCCH aggregation level to Annex C for CAT M1 testing | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168042 | 2995 | - | Introduction of numbering rules guideline for category M1 in Annex I | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168123 | 3007 | - | Completion of 4Rx Test Cases for CQI reporting under AWGN | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168125 | 3009 | - | Correction to Initial conditions of TC 6.2.4A.2\_1 for NS\_03/NS\_01 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168126 | 3010 | - | Correction to Initial conditions of TC 6.6.2.2A.2\_1 for NS\_03/NS\_01 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168189 | 3014 | - | Chapter 3 introduction of symbols for NB-IoT | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168190 | 3015 | - | Chapter 5 change of frequency bands and channel arrangement for NB-IoT | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168191 | 3016 | - | 6.2.5F Configured UE transmitted Output Power for UE category NB1 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168194 | 3019 | - | Annex A Introduction of UL RMC for NB-IoT | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168195 | 3020 | - | Introduction of TT for EVM and Carrier leakage test cases | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168209 | 3021 | - | Derivation of Test Requirements for 7.5A.4 ACS for intra-band non-contiguous DL CA | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168294 | 3042 | - | Update to eMTC RF test case 6.3.5EA.1 and 6.3.5EA.2 for category M1 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168310 | 3047 | - | Updated chapter 2, 3, 4 and 5 for ProSe | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168311 | 3048 | - | Updated of Delta Tib tables in clause 6.2.5.3 for all Rel-14 CA configurations | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168314 | 3051 | - | Correction to RF TC 6.6.3.1A.1 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168368 | 3053 | - | Updates to section 7 4Rx single carrier TCs | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168400 | 3063 | - | Band 70 introduction to 36.521-1 Chapter 5 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168401 | 3064 | - | Band 70 introduction to 36.521-1 output power requirements | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168405 | 3066 | - | Correction to TX-RX frequency separation for Band 65 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168420 | 3069 | - | Update of TC 6.6.3.1A.2 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168478 | 3070 | - | Introduction of Power Class 2 in power control for HPUE | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168484 | 3071 | - | Update to 4 test cases 8.10.4.1.1, 8.10.4.1.2, 8.10.4.2.1 and 8.10.4.2.2 by adding connection diagram | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168555 | 3093 | - | Updates of the test number in TC 8.7.5.1\_H.2 TDD FDD CA SDR for FDD PCell (3DL CA) for 256QAM in DL | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168557 | 3094 | - | Correction of the test point for TC 7.3A.9 REFSENS 4DL CA | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168595 | 3103 | - | Update to In-band blocking requirements 7.6.1A.0 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168604 | 3105 | - | Clean-up of 7.3A.3 test configuration tables | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168647 | 3115 | - | Correction of RB allocation in Additional Maximum Power Reduction (A-MPR) for CA and Additional Spectrum Emission Mask for CA | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168654 | 3120 | - | Corrections of Spurious Emissions TC for CA | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168668 | 3126 | - | Correction to tolerance value for CA\_NS\_01 for CA A-MPR test 6.2.4A.1 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168669 | 3127 | - | Correction to UL RB allocation in 6.5.1A Frequency error for CA | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168670 | 3128 | - | Clarification of test requirement for CA MPR test cases 6.2.3A.1 and 6.2.3A.1\_1 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168671 | 3129 | - | Correction of Highest NRB\_agg and REFSENS in 7.3A.5 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168672 | 3130 | - | Correction to DL modulation parameter for CA 5A-5A in Max Input Level test | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168675 | 3133 | - | Correction to reference channel of Multi-Layer Spatial Multiplexing test case for CA | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168676 | 3134 | - | Corrections regarding power allocation for TM9 performance and CQI tests | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168749 | 3151 | - | Update minimum conformance requirements for receiver 4 Rx antenna ports test cases and legacy test cases | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168785 | 3167 | - | RF: Correction to RMC R.31-6 FDD | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168792 | 3171 | - | Updates to test case 6.2.3EA - MPR for category M1 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168794 | 3172 | - | Updates to test case 6.2.4EA - A-MPR for category M1 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168795 | 3173 | - | Updates to test case 6.6.2.1EA - SEM for category M1 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168796 | 3174 | - | Updates to test case 6.6.2.2EA – Additional SEM for category M1 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168797 | 3175 | - | Updates to test case 6.6.3EA.3 – Additional Spurious emissions for category M1 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168803 | 3179 | - | Introduction of new test case 7.6.1F In-band blocking for UE category NB1 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168805 | 3181 | - | Introduction of new test case 7.6.2F Out-of-band blocking for UE category NB1 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168807 | 3182 | - | CSI-RS-Config-r10 message content aligned to minimum conformance requirements for TC 8.3.1.1.2\_D | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168816 | 3184 | - | NB-IoT test frequencies algorithm for TRx test cases | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168827 | 3188 | - | Addition Reference sensitivity with repetitions test for UE category NB1 7.3F.2 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168829 | 3189 | - | Default operation mode definition for TRx TCs | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168845 | 3191 | - | CA\_70C introduction to 36.521-1 receiver requirements | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168847 | 3192 | - | Update UL RMC for CA\_1A-3A-7A in 7.3A.5 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168849 | 3193 | - | Update test repetitions tables for receiver 4CC test cases | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168851 | 3194 | - | Update test case 6.5.2A.2.1 to remove editor’s notes | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168852 | 3195 | - | Update reference sensitivity level for some CA Configurations in test 7.3A.6 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168857 | 3197 | - | Editorial correction in TC 6.2.4A.1\_1 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168858 | 3198 | - | Update reference tables in ASEM, ACLR, ASE for intra-band contiguous UL CA for UL 64QAM | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168859 | 3199 | - | Update test cases 6.2.4A.1 and 6.6.2.2A.1 to remove editor’s notes | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168974 | 3210 | - | Addition of TM10 CQI reporting test cases with NAICS | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168975 | 3211 | - | Test tolerance update to MPDCCH performance test cases | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168979 | 3213 | - | Update of test tolerance of 4-Rx Type A demod test cases | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168981 | 3215 | - | Test Tolerances for FDD PDSCH Closed Loop Single Layer Spatial Multiplexing on antenna ports 7 or 8 with TM9 Interference Model – Enhanced Performance Requirement Type B (8.3.1.1.4) | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168982 | 3216 | - | Test Tolerances for FDD PDSCH Closed Loop Single-layer Spatial Multiplexing on antenna ports 7 or 8 with TM3 interference model - Enhanced Performance Requirement Type B (8.3.1.1.6) | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168983 | 3217 | - | Test Tolerances for TDD PDSCH Closed Loop Single-layer Spatial Multiplexing on antenna ports 7 or 8 with TM9 Interference Model - Enhanced Performance Requirement Type B (8.3.2.1.5) | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168984 | 3218 | - | Test Tolerances for TDD PDSCH Closed Loop Single-layer Spatial Multiplexing on antenna ports 7 or 8 with TM3 Interference Model - Enhanced Performance Requirement Type B (8.3.2.1.7) | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-168985 | 3219 | - | Test Tolerances for FDD and TDD CQI Reporting under fading conditions - PUCCH 1-1 (CSI Reference Symbol) TM9 - Enhanced Receiver Type B (9.3.8.2.1 and 9.3.8.2.2) | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169045 | 3229 | - | Addition Transmit intermodulation for UE category M1 test case 6.7EA | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169502 | 3080 | 1 | Update to test case 8.7.5.1.2 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169506 | 3006 | 1 | Update of B3/39 UE co-existence requirements | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169507 | 3058 | 1 | Updates to SEM Test Cases for HPUE | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169508 | 3067 | 1 | Correction to Band 66 UL-MIMO test requirements 6.2.3B, 6.2.4B | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169509 | 3068 | 1 | Correction to NS\_24 and NS\_25 TC 6.6.3.3 test requirements | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169510 | 3108 | 1 | Correction of test description for NS\_05 A-MPR | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169511 | 3109 | 1 | Correction of test description for NS\_05 Additional spurious emissions | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169512 | 3138 | 1 | Correction of power tolerance in A-MPR TC | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169513 | 3196 | 1 | Update TC 6.6.3.3A.1 to remove editor’s notes and modify additional requirements for CA\_NS\_07 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169514 | 3097 | 1 | Addition of missing CA\_7A-8A for Refsens test | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169519 | 3043 | 1 | Introduction of new NB-IoT RF test case 6.3.3F for category NB1 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169520 | 3212 | 1 | Addition of demod test case for NPDSCH with In-band mode | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169521 | 3074 | 1 | Update to test case 6.3.5F.2 Power Control Relative power tolerance for UE category NB1 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169522 | 3076 | 1 | Update to test case 7.8.1F Wide band Intermodulation UE category NB1 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169523 | 3214 | 1 | Update to Annex H | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169524 | 3099 | 1 | Supplementation of test case 6.7F for Transmit Intermodulation for UE category NB1 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169525 | 3177 | 1 | Updates in test case 6.6.3F.1, Transmitter Spurious emissions for UE category NB1 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169526 | 3185 | 1 | Corrections for NB-IoT Rx test cases in TS 36.521-1 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169527 | 3186 | 1 | Corrections for NB-IoT Tx test cases in TS 36.521-1 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169528 | 3227 | 1 | Addition of demod test case for NPDCCH with In-band mode | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169531 | 3056 | 1 | Corrections to TC 7.3A.9 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169532 | 3078 | 1 | Add New TC of 9.6.1.3.3 for TDD FDD CQI Reporting under AWGN conditions - PUCCH 1-0 for FDD PCell (4DL CA) | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169533 | 3079 | 1 | Add New TC of 9.6.1.4.3 for TDD FDD CQI Reporting under AWGN conditions – PUCCH 1-0 for TDD Pcell | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169535 | 3089 | 1 | Addition of the new TC 8.7.5.1.3 TDD FDD CA Sustained data rate performance for FDD PCell (4DL CA) | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169536 | 3091 | 1 | Addition of the new TC 8.2.3.1.1.3 TDD FDD CA PDSCH Single Antenna Port Performance for FDD PCell (4DL CA) | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169537 | 3092 | 1 | Addition of the new TC 8.7.5.1\_H.3 TDD FDD CA Sustained data rate performance for FDD PCell (4DL CA) for 256QAM in DL | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169539 | 3111 | 1 | New CA band combination CA\_1A-11A-18A - Updates of 7.3A Refsens | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169541 | 3112 | 1 | New CA band combination CA\_41C-42C - Updates of 7.3A Refsens | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169543 | 3113 | 1 | New CA band combinations CA\_1A-18A, 1A-26A, 1A-28A, 1A-42A and 18A-28A - Updates of 6.2.2A UE maximum output power | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169544 | 3117 | 1 | New CA band combinations CA\_1A-18A, 1A-26A, 1A-28A, 1A-42A and 18A-28A - Updates of 6.6.3.1A Transmitter Spurious emissions | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169545 | 3118 | 1 | New CA band combinations CA\_1A-18A, 1A-26A, 1A-28A, 1A-42A and 18A-28A - Updates of 6.6.3.2A Spurious emission band UE co-existence | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169546 | 3137 | 1 | Introduction of exception for CA\_4A-12A-30A in Refsense TC | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169550 | 3164 | 1 | Correction of CA\_42-42 sub-block CA configuration | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169567 | 2994 | 1 | Updates of 7.3A Refsens for CA\_1A-3A-41A | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169568 | 3049 | 1 | Updated of Delta Rib tables in clause 7.3.3 for all Rel-14 CA configurations | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169569 | 3050 | 1 | Updated of Reference sensitivity level in clause 7.3A.0 for all Rel-14 CA configurations | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169570 | 3086 | 1 | Updates of the test point of the TC 6.6.2.3EA ACLR for UE category M1 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169571 | 3125 | 1 | Correction to Rx test cases for Cat M1 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169572 | 3228 | 1 | Update of CA operating bands and bandwidth for all CA configurations as per TS 36.101 v14.1.0 | 14.0.0 | 14.1.0 |
| ~~2016-12~~ | ~~RAN#74~~ | ~~R5-169573~~ | ~~3180~~ | ~~1~~ | ~~Introduction of FDD and Half-Duplex FDD Demodulation of MPDCCH in CE Mode B Test Case~~ (not implementable) | ~~14.0.0~~ | ~~14.1.0~~ |
| ~~2016-12~~ | ~~RAN#74~~ | ~~R5-169574~~ | ~~3183~~ | ~~1~~ | ~~Introduction of TDD Demodulation of MPDCCH in CE Mode B Test Case~~ (not implementable) | ~~14.0.0~~ | ~~14.1.0~~ |
| 2016-12 | RAN#74 | R5-169610 | 3170 | 1 | Introduction of NAICS demod test cases 8.3.1.1.5 (FDD) and 8.3.2.1.6 (TDD) | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169612 | 3022 | 1 | Introduction of ProSe Transmit Off power Test case 6.3.3D.1 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169613 | 3060 | 1 | Updates to ProSe Receiver TCs | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169615 | 3013 | 1 | Update of TC 6.6.3.2A.2 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169616 | 3055 | 1 | Corrections to TC 7.3A.6 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169620 | 3008 | 1 | update Annex A with 4Rx RMCs | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169621 | 3011 | 1 | Addition of new 4Rx Test Case – TDD PMI reporting | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169622 | 3012 | 1 | Addition of new 4Rx Test Case - TDD FDD CA SDR (2DL CA) | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169623 | 3023 | 1 | Introduction of 4Rx new test case “FDD sustained data rate performance 4X4” | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169624 | 3024 | 1 | Introduction of 4Rx new test case “TDD sustained data rate performance 4X4” | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169625 | 3025 | 1 | Introduction of new 4Rx test case 9.9.2.1.1 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169626 | 3026 | 1 | Introduction of new 4Rx test case 9.9.2.1.2 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169627 | 3027 | 1 | Introduction of new 4Rx test case 9.9.2.2.1 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169628 | 3028 | 1 | Introduction of new 4Rx test case 9.9.2.2.2 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169629 | 3030 | 1 | Update connection diagram for PCFICH/PDCCH performance with 4Rx antenna ports | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169630 | 3031 | 1 | Update to FDD PHICH Single-antenna Port Performance 1x4 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169631 | 3032 | 1 | Update to FDD PHICH Transmit Diversity 2x4 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169632 | 3033 | 1 | Update to FDD PHICH Transmit Diversity 4x4 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169633 | 3034 | 1 | Update to TDD PHICH Single-antenna Port Performance 1x4 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169634 | 3035 | 1 | Update to TDD PHICH Transmit Diversity 2x4 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169635 | 3036 | 1 | Update to TDD PHICH Transmit Diversity 4x4 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169636 | 3046 | 1 | Update Reference sensitivity for additional requirement and TC7.3\_1 test requirement | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169637 | 3054 | 1 | Updates to 4 Layer Spatial Multiplexing TCs | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169638 | 3110 | 1 | Correction of FDD and TDD Open-loop spatial multiplexing TCs with 3 Layer Multiplexing with 4 Tx Antenna Ports | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169639 | 3123 | 1 | Correction to 4Rx demodulation tests | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169640 | 3178 | 1 | Introduction of FDD 4Rx PDSCH demodulation test cases | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169650 | 3065 | 1 | Band 70 introduction to 36.521-1 receiver requirements | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169652 | 3156 | 1 | Introduction of Band 41 HPUE Maximum Output Power | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169653 | 3157 | 1 | Introduction of Band 41 HPUE Maximum Output Power for CA | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169654 | 3158 | 1 | Introduction of Band 41 HPUE Maximum Output Power for UL-MIMO | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169655 | 3159 | 1 | Introduction of Band 41 HPUE Maximum Power Reduction | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169656 | 3168 | 1 | Introduction of Power Class 2 in test case 6.2.5\_1 Configured UE transmitted Output Power for HPUE | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169657 | 3169 | 1 | Addition of TDD RMC for UL-DL configuration 0 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169659 | 3136 | 1 | Correction of CQI Reporting under AWGN conditions - PUCCH 1-1 (Cell-Specific Reference Symbols) TC | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169660 | 3059 | 1 | Updates to SEM Test Case for category NB1 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169662 | 3106 | 1 | Correction to EPDCCH SDR tests | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169665 | 3122 | 1 | Corrections to 256QAM sustained data rate performance test cases | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169666 | 3082 | 1 | Introduction of Rel-13 CA new test case “TDD Sustained data rate performance for CA (4DL CA)” | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169667 | 3114 | 1 | New CA band combinations CA\_1A-18A, 1A-26A, 1A-28A, 1A-42A and 18A-28A - Updates of 6.2.4A Additional Maximum Power Reduction (A-MPR) | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169668 | 3116 | 1 | New CA band combinations CA\_1A-18A, 1A-26A, 1A-28A, 1A-42A and 18A-28A - Updates of 6.6.2.2A Additional Spectrum Emission Mask | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169669 | 3119 | 1 | New CA band combinations CA\_1A-18A, 1A-26A, 1A-28A, 1A-42A and 18A-28A - Updates of 6.6.3.3A Additional spurious emissions | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169671 | 3220 | 1 | Addition of CA band combinations into TC 7.3A.9 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169672 | 3221 | 1 | Update of 4DL CA RX Test Cases | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169675 | 3203 | 1 | Addition of new case FDD RI Reporting- PUCCH 1-1 4x4 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169676 | 3204 | 1 | Addition of new case TDD RI Reporting- PUSCH 3-1 4x4 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169677 | 3206 | 1 | Addition of new case FDD RI Reporting- PUCCH 1-1 for eDL-MIMO 1x4 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169678 | 3207 | 1 | Addition of new case TDD RI Reporting- PUCCH 1-1 for eDL-MIMO 1x4 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169681 | 3160 | 1 | Update some receiver test cases to add LAA band combinations | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169682 | 3202 | 1 | Update test case 7.8.1A.3 to add LAA band combinations | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169683 | 3044 | 1 | Updated to RF test case 6.3.4F.1 for Category NB1 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169684 | 3045 | 1 | Introduction of new NB-IoT RF test case 6.3.4F.2 for category NB1 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169686 | 3075 | 1 | Update to test case 7.7F Spurious response for UE category NB1 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169687 | 3088 | 1 | Updates of the TC 6.6.3F.2 Spurious emission band UE co-existence for category NB1 UE | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169688 | 3098 | 1 | Supplementation of test case 6.6.2.3F for ACLR for UE category NB1 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169689 | 3100 | 1 | Update of test case 6.6.1F Occupied bandwidth for UE category NB1 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169690 | 3101 | 1 | Update of test case 6.6.2.1F Spectrum Emission Mask for UE category NB1 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169691 | 3102 | 1 | Update of test case 6.5.2.3F In-band emissions for non allocated RB for UE category NB1 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169692 | 3124 | 1 | Update Adjacent Channel Selectivity (ACS) for UE category NB1 test case 7.5F | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169693 | 3176 | 1 | Updates in test case 6.2.3F, Maximum Power Reduction (MPR) for UE category NB1 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169694 | 3225 | 1 | Update of Test Case 6.5.1F Frequency Error for UE category NB1 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169696 | 3017 | 1 | 6.5.2.1F.1 Error Vector Magnitude (EVM) for NB-IoT | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169697 | 3018 | 1 | 6.5.2.2F Carrier leakage for UE category NB1 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169699 | 2996 | 1 | Updates to HD-FDD scheduling pattern for cat M1 RMCs in annex A | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169700 | 2998 | 1 | Update test case: 8.11.1.1.1, FDD Closed-loop spatial multiplexing performance for UE category M1 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169701 | 2999 | 1 | New test case: 8.11.1.1.2, FDD PDSCH Single-layer Spatial Multiplexing on antenna ports 7 or 8 for UE category M1 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169702 | 3000 | 1 | New test cases: 8.11.1.1.3, FDD PDSCH Transmit Diversity 2x1 for UE category M1 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169703 | 3001 | 1 | New test case: 8.11.1.2.1, TDD Closed-loop spatial multiplexing performance for UE category M1 (Cell-Specific Reference Symbols) | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169704 | 3002 | 1 | New test case: 8.11.1.2.2, TDD PDSCH Single-layer Spatial Multiplexing on antenna ports 7 or 8 for UE category M1 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169705 | 3003 | 1 | New test case: 8.11.1.2.3, TDD PDSCH Transmit Diversity for UE category M1 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169706 | 3005 | 1 | Updating eMTC test case 9.8.1.1, FDD and Half duplex FDD CQI reporting definition under AWGN conditions for UE category M1 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169707 | 3004 | 1 | New test case: 8.11.1.2.3\_1, TDD PDSCH Transmit Diversity for UE category M1 (CEModeB) | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169713 | 3131 | 1 | Correction to PCC SCC frequency mapping for CA\_66A-66A | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169715 | 3132 | 1 | Correction of UL RMC for sustained data rate CA test cases | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169716 | 3162 | 1 | Update test procedure 9.2.1.5\_E.1 and 9.2.1.6\_E.1 test cases to align it with minimum conformance requirements | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169719 | 3081 | 1 | Introduction of Rel-13 CA new test case “FDD Sustained data rate performance for CA (5DL CA)” | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169720 | 3083 | 1 | Introduction of Rel-13 CA new test case “FDD CQI Reporting under AWGN conditions – PUCCH 1-0 for CA (5DL CA)” | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169721 | 3104 | 1 | Introduction of new TC 8.2.2.1.1\_A.3 4DL CA | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169722 | 3222 | 1 | New TC: FDD PDSCH Closed Loop Multi Layer Spatial Multiplexing 4x2 for 5DL CA | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169723 | 3223 | 1 | New TCs: TDD PDSCH Closed Loop Multi Layer Spatial Multiplexing 4x2 for 4DL CA | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169730 | 3121 | 2 | Correction to test points for test cases refer to 6.2.3A | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169732 | 3073 | 2 | Update to test case 6.3.5F.1 Power Control Absolute power tolerance for UE category NB1 | 14.0.0 | 14.1.0 |
| 2016-12 | RAN#74 | R5-169735 | 3166 | 2 | Update test requirements for test case 6.6.3.2A.1 | 14.0.0 | 14.1.0 |
| 2017-03 | RAN#75 | R5-170604 | 3238 | - | Update 4Rx test cases 9.9.4.1.1/9.9.4.1.2/9.9.4.2.1/9.9.4.2.2 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-170606 | 3239 | - | Update 4Rx test cases 9.9.4.1.1/9.9.4.1.2/9.9.4.2.1/9.9.4.2.2 information in Annex F and G. | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-170627 | 3249 | - | Resubmission of R5-170017 Update of editor's note in NB-IoT receiver RF tests related to scheduling pattern issue | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-170630 | 3250 | - | Resubmission of R5-170073 Update of editor's note in NB-IoT transmitter RF tests related to scheduling pattern issue | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-170631 | 3251 | - | Resubmission of R5-170074 Update of test parameters for NPDCCH tests | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-170632 | 3252 | - | Resubmission of R5-170328 New TC 6.3.5F.3 Aggregate power control tolerance for category NB1 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-170633 | 3253 | - | Resubmission of R5-170333 Introduction of RMCs for NB-IoT demodulation tests | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-170641 | 3258 | - | Update of TC 6.6.2.3\_1 Adjacent Channel Leakage power Ratio for HPUE | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-170694 | 3269 | - | Updates of the CQI reporting TC 9.6.1.4.2 for TDD FDD CA | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-170750 | 3273 | - | Correction of typos in test cases 6.3.5.1, 6.3.5A.1.1, 6.3.5A.1.2, 6.3.5A.1.3, 6.3.5B.1, 6.3.5E.1 and 6.3.5EA.1 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-170751 | 3274 | - | Update to test cases 6.5.1D.1 and 6.5.1D.2 Frequency error for ProSe | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-170757 | 3276 | - | Uncertainties and Test Tolerances update to FDD and TDD CQI Reporting under fading conditions - PUCCH 1-0 - Enhanced Performance Requirement Type A 1x4 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-170758 | 3277 | - | Uncertainties and test tolerances update to FDD and TDD CQI Reporting under fading conditions - PUCCH 1-1 - Enhanced Performance Requirement Type A 2x4 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-170760 | 3278 | - | Update of test cases 8.7.9 and 8.7.10 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-170762 | 3279 | - | Update of test cases 8.7.1.1\_A.5, 8.7.2.1\_A.3 and 9.6.1.1\_A.4 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-170774 | 3280 | - | Beamforming model missing in chapter 9 TM9 receiver type A tests | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-170806 | 3287 | - | Correction of number of EREGs per ECCE for special subframe mentioned in TC 8.7.4 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-170811 | 3291 | - | Correction of description of TC 8.2.2.4.2\_1 FDD PDSCH Closed Loop Multi Layer Spatial Multiplexing 4x2 (Release 9 and Forward) | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-170813 | 3292 | - | Introduction of Minimum Test time for R.73 TDD | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-170814 | 3293 | - | Update of Mapping of CQI Index to Modulation Coding Scheme | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-170816 | 3295 | - | Correction of release of TC Error Vector Magnitude (EVM) for CA (inter-band DL CA and UL CA) for UL 64QAM | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-170823 | 3296 | - | Removal of the power class restriction in the test applicability for Test Cases 6.2.2A.1 and 6.2.2A.2 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-170894 | 3304 | - | Correction to feICIC CQI TCs | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-170895 | 3305 | - | Annex E: Updates for NB-IoT | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-170896 | 3306 | - | Annex E: Update to averaged EVM for D2D | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-170897 | 3307 | - | Update of requirements in TC 6.2.2A.2 for CA\_2A-5A and CA\_2A-12A | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-170905 | 3310 | - | Re-addition of Band 41 HPUE Maximum Output Power | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-170908 | 3312 | - | Update of TC 6.6.3.3A.2 for CA\_2A-5A and CA\_2A-12A | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-170909 | 3313 | - | Update of TC 6.6.2.2A.2 for CA\_2A-5A and CA\_2A-12A | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-170910 | 3314 | - | Update of TC 6.6.2.2A.2\_1 for CA\_2A-5A and CA\_2A-12A | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-170911 | 3315 | - | Correction of RB allocation in TC 6.2.5A.3 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-170912 | 3316 | - | Correction of RB allocation in TC 6.6.2.1A.2 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-170914 | 3317 | - | Corrected test requirements for TC 6.2.3A.2\_1 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-170915 | 3318 | - | Correction to configuration table in TC 6.7A.2 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-170919 | 3321 | - | Update of applicability for 4Rx CQI reporting under AWGN tests | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-170949 | 3324 | - | Addition of CA\_2A-66A and CA\_5A-66A in TS 36.521-1 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-170957 | 3326 | - | Update to test case 7.6.1F In-band blocking for category NB1 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-170958 | 3327 | - | Update to test case 7.6.2F Out-of-band blocking for category NB1 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-170996 | 3332 | - | New CA band combinations CA\_1A-18A, 1A-26A, 1A-28A, 1A-42A and 18A-28A - Updates of 7.3A.6 REFSENS | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171006 | 3334 | - | Update test configuration and requirement for CA\_8B in clause 6 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171010 | 3336 | - | Update RF general section for V2X information | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171040 | 3347 | - | Update of test tolerance of 4-Rx TDD Type A demod test cases | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171085 | 3353 | - | Addition of applicability and test rules for CA UE demodulation tests with 4DL and 5DL CCs | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171092 | 3360 | - | Addition of CA configuration CA\_4A-5A-29A for Refsens test | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171094 | 3362 | - | Addition of CA configuration CA\_20A-31A for Refsens test | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171095 | 3363 | - | Addition of CA configuration CA\_7A-42A and CA\_28A-40A for Refsens test | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171097 | 3365 | - | Addition of for CA\_20A-42A and CA\_20A-42A-42A Refsens test | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171098 | 3366 | - | Addition of for CA\_40C Set 1 Refsens test | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171153 | 3368 | - | Update receiver test cases to remove DCI format 1C | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171161 | 3369 | - | Editorial correction in reference clause numbering for TC 6.3.4A.1.1 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171162 | 3370 | - | Update test configuration table and requirement for CA\_8B in clause 7 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171165 | 3371 | - | Addition of 7.4A.3\_H and 7.4A.4\_H to Annex F | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171167 | 3373 | - | Clean up on clause 7 256QAM test cases | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171178 | 3382 | - | Addition of Downlink Reference measurement channel for Cat-M1 TX characteristics | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171182 | 3383 | - | Clean up on Tx test cases for UE category M1 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171183 | 3384 | - | Correction to general and additional Tx spurious for UE category M1 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171184 | 3385 | - | Correction to HD-FDD PDSCH scheduling pattern for UE category M1 RMC | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171185 | 3386 | - | Correction to PUSCH-EVM with exclusion period for UE category M1 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171186 | 3387 | - | Correction to Power control test cases for UE category M1 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171187 | 3388 | - | Correction to ON/OFF time mask for UE category M1 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171188 | 3389 | - | Clarification of test requirement for test cases 6.2.2A.1, 6.2.4A.1 and 6.2.4A.1\_1 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171190 | 3391 | - | Correction to additional spurious emissions test | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171191 | 3392 | - | Correction to test procedure for test case 7.9A | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171201 | 3396 | - | Editorial correction in test case 6.3.5A.2.2 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171202 | 3397 | - | Alignment frequency ranges in TC 6.6.3.1A.2 for CA\_3A-26A and CA\_5A-17A to TR 36.905 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171203 | 3398 | - | Correction in configuration IDs for NS\_24 in test cases 6.2.4\_2 and 6.6.3.3\_1 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171226 | 3401 | - | Update of Annex C to include 4 antenna ports in UE | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171227 | 3402 | - | Adding support for 4 Rx antenna port UEs in Receiver test cases | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171234 | 3406 | - | Update of Reference Sensitivity test case for UE category M1 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171237 | 3409 | - | Correction to test case 7.3F.2, Reference sensitivity level with repetitions for category NB1 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171238 | 3410 | - | Correction to test case header in 8.11.1.1.1, 8.11.1.1.2, 8.11.1.1.3 and 8.11.1.1.3\_1 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171247 | 3419 | - | Update of Frequency error test case for UE category M1 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171315 | 3435 | - | Clean up in test case 6.6.2.1A.2 to remove additional spectrum emission requirements | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171349 | 3437 | - | Correction to NS\_24 and NS\_25 test configurations to align use of Ful | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171514 | 3439 | - | Update TT of the TC 8.2.3.1.1.3 TDD FDD CA PDSCH Single Antenna Performance for FDD PCell(4DL CA) | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171700 | 3248 | 1 | Clean up editor's note for UL 64QAM | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171701 | 3390 | 1 | Correction to UL CA Tx tests | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171707 | 3230 | 1 | Updates of 7.3A Refsens for CA\_1C-3A | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171708 | 3297 | 1 | Introduction of CA\_3A-11A to section 7 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171709 | 3298 | 1 | Introduction of CA\_8A-28A to section 7 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171711 | 3300 | 1 | Introduction of 3DL/1UL of CA\_1A-8A-28A to section 7 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171714 | 3301 | 1 | Introduction of 3DL/1UL of CA\_3A-8A-28A to section 7 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171717 | 3302 | 1 | Introduction of 3DL/1UL of CA\_3A-28A-41A to section 7 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171719 | 3438 | 1 | CA\_29A-66A, CA\_29A-66A-66A, CA\_29A-66C, CA\_46A-66A Reference Sensitivity requirements | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171725 | 3330 | 1 | Updates of 6.6.3.2 Spurious emission band UE co-existence for Band 5 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171733 | 3322 | 1 | LAA: Applicability and test selection update to Section 8 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171734 | 3270 | 1 | Annexure update for LAA RF | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171735 | 3328 | 1 | Update of test case 7.6.1A.3 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171736 | 3367 | 1 | Update test case 7.5A.3 to add LAA band combinations | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171748 | 3404 | 1 | Test tolerance for NAICS demod test cases with CRS interference | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171752 | 3329 | 1 | Updates to test tolerances and test uncertainty for 4Rx TCs | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171753 | 3271 | 1 | LAA Uncertainties and Test Tolerances for Test Case 7.8.1A.3 Intermodulation for CA, inter band DL CA | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171754 | 3320 | 1 | LAA: Test case and test tolerance addition for Dual Layer DM-RS demod | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171787 | 3265 | 1 | Update to MPDCCH demod test cases in CE Mode A | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171788 | 3289 | 1 | Correction of DCI format in MTCe2 TCs and PDSCH and MPDCCH configuration | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171790 | 3378 | 1 | Clean up on TRx TCs for UE category M1 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171791 | 3379 | 1 | Correction to Carrier leakage and In-band emissions for Cat-M1 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171792 | 3380 | 1 | Correction to Carrier leakage and In-band emissions | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171793 | 3412 | 1 | New eMTC test case 9.8.2.1, FDD and half-duplex FDD UE-selected subband CQI for UE category M1 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171794 | 3414 | 1 | New eMTC test case 9.8.2.2, TDD UE-selected subband CQI for UE category M1 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171795 | 3416 | 1 | New eMTC test case 9.8.1.2, TDD CQI reporting definition under AWGN conditions for UE category M1 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171796 | 3408 | 1 | Correction to test case 9.8.1.1, FDD and Half duplex FDD CQI reporting definition under AWGN conditions for UE category M1 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171813 | 3266 | 1 | Introduction of FDD and Half-Duplex FDD Demodulation of MPDCCH in CE Mode B Test Case | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171814 | 3267 | 1 | Introduction of TDD Demodulation of MPDCCH in CE Mode B Test Case | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171817 | 3235 | 1 | Addition of bandwidth combinations 10+5+10MHz and 20+10+5+10MHz in Chapter 8 FDD 3CA and 4CA test cases | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171818 | 3237 | 1 | Addition of bandwidth combinations 10+10+ 5MHz and 20+10+10+5MHz in TC 9.6.1.1\_A.2 and 9.6.1.1\_A.3 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171819 | 3240 | 1 | Addition of CA\_2A-5A-12B test configuration and reference sensitivity in TC 7.3A.9. | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171821 | 3233 | 1 | Addition of CA\_1A-3A-28A in 36.521-1 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171823 | 3241 | 1 | Addition of CA\_2A-4A-30A test configuration and reference sensitivity in TC 7.3A.5. | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171825 | 3243 | 1 | Addition of CA\_2A-4A-12A-30A test configuration and reference sensitivity in TC 7.3A.9. | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171829 | 3242 | 1 | Addition of CA\_5A-12B test configuration and reference sensitivity in TC 7.3A.5. | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171832 | 3260 | 1 | Addition of CA\_2A-4A-5A-12A test configuration and reference sensitivity in TC 7.3A.9 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171834 | 3261 | 1 | Addition of CA\_2C-12A-30A test configuration and reference sensitivity in TC 7.3A.9 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171837 | 3263 | 1 | Addition of CA\_2C-30A test configuration and reference sensitivity in TC 7.3A.5 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171838 | 3255 | 1 | Addition of CA\_2A-2A-4A-5A in subclause 7.3A.9 of 36.521-1 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171839 | 3256 | 1 | Addition of CA\_2A-2A-5A-12A in subclause 7.3A.9 of 36.521-1 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171840 | 3257 | 1 | Addition of CA\_2A-2A-12B in subclause 7.3A.9 of 36.521-1 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171842 | 3308 | 1 | Update of TC 6.2.4A.2 for CA\_2A-5A and CA\_2A-12A | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171844 | 3331 | 1 | CA band combinations 1A-18A, 1A-26A, 1A-28A, 1A-42A and 18A-28A - Updates of 6.6.3.2A Spurious emission band UE co-existence | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171846 | 3309 | 1 | Update of TC 6.2.4A.2\_1 for CA\_2A-5A and CA\_2A-12A | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171847 | 3311 | 1 | New test points in transmit modulation tests for CA\_2A-5A and CA\_2A-12A | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171848 | 3426 | 1 | Update of 4DL CA Test Cases | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171851 | 3341 | 1 | Addition of the new TC 8.2.3.1.1.4 TDD FDD CA PDSCH Single Antenna Performance for FDD PCell(5DL CA) | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171852 | 3351 | 1 | Addition of the new TC 8.7.5.1\_H.4 TDD FDD CA Sustained data rate performance for FDD PCell (5DL CA) for 256QAM in DL | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171853 | 3375 | 1 | Clean up on clause 7 CA test cases | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171860 | 3433 | 1 | Correction to Rel 13 CA\_5A-5A RF Test Cases Section 7 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171861 | 3358 | 1 | Addition of CA configuration CA\_3A-40C, CA\_3A-41C, CA\_28A-40C for Refsens test | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171862 | 3359 | 1 | Addition of CA configuration CA\_4A-28A for Refsens test | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171863 | 3361 | 1 | Addition of CA configuration CA\_7A-42A-42A for Refsens test | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171864 | 3342 | 1 | Addition of the new TC 8.2.3.1.2.3 TDD FDD CA PDSCH Single Antenna Performance for TDD PCell(4DL CA) | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171865 | 3343 | 1 | Addition of the new TC 8.2.3.1.2.4 TDD FDD CA PDSCH Single Antenna Performance for TDD PCell(5DL CA) | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171866 | 3344 | 1 | Addition of the new TC 8.2.2.3.1\_A.3 TDD PDSCH Open Loop Spatial Multiplexing 2x2 for CA (4DL CA) | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171867 | 3354 | 1 | Addition of for FDD PDSCH Single Antenna Port Performance for CA (4DL CA) (8.2.1.1.1\_A.4) | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171868 | 3355 | 1 | Addition of for FDD PDSCH Single Antenna Port Performance for CA (5DL CA) (8.2.1.1.1\_A.5) | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171869 | 3356 | 1 | Addition of for FDD PDSCH Open Loop Spatial Multiplexing 2x2 for CA (4DL CA) (8.2.1.3.1\_A.3) | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171870 | 3357 | 1 | Addition of for FDD PDSCH Open Loop Spatial Multiplexing 2x2 for CA (5DL CA) (8.2.1.3.1\_A.4) | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171871 | 3372 | 1 | Clarification of test points for sustained data rate test | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171872 | 3400 | 1 | Introduction of new Dual Connectivity test cases - Power Control Relative power tolerance | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171875 | 3282 | 1 | Addition of Band 47 for UE maximum output power for V2X Communication | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171876 | 3284 | 1 | Introduction of UE maximum output power with additional requirements for V2X Communication | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171877 | 3285 | 1 | Introduction of 6.2.5G Configured transmitted power for V2X Communication | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171878 | 3286 | 1 | Introduction of 6.3.4G.1 General ON/OFF time mask for V2X Communication | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171879 | 3337 | 1 | Add Operating bands, channel bandwidth and RMC for V2X | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171880 | 3427 | 1 | Introduction of Reference sensitivity level for V2X | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171881 | 3428 | 1 | Introduction of Maximum input level for V2X | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171882 | 3429 | 1 | Introduction of Adjacent Channel Selectivity (ACS) for V2X | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171883 | 3430 | 1 | Introduction of In-band blocking for V2X | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171884 | 3431 | 1 | Introduction of Out-of-band blocking for V2X | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171885 | 3432 | 1 | Introduction of Spurious response for V2X | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171887 | 3288 | 1 | Correction of payload in fixed reference channel for CDM-multiplexed DM RS with four CSI-RS antenna ports | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171888 | 3350 | 1 | Updates to legacy CSI test cases to include 4Rx UE | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171889 | 3376 | 1 | Correction to 3 or 4 layers 4Rx demodulation tests | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171890 | 3403 | 1 | Introduction of TDD 4Rx PDSCH demodulation test cases | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171896 | 3303 | 1 | Power Class 2: Update to A-MPR for NS\_04 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171897 | 3268 | 1 | Updates of the SDR TC 8.7.5.2.2 and 8.7.5.2\_H.2 for TDD FDD CA | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171898 | 3425 | 1 | Update of test configuration table of 4DL CA | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171916 | 3236 | 1 | TDD FDD CA Sustained data rate performance for TDD PCell (4DL CA) | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171917 | 3424 | 1 | Update of test configuration table of 3DL CA | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171918 | 3281 | 1 | Introduction to Performance test case 8.7.5.1.4 TDD FDD CA Sustained data rate performance for FDD PCell (5DL CA) | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171919 | 3345 | 1 | Introduction of LAA Closed-Loop spatial multiplexing performance test cases for 4Tx antenna ports | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171921 | 3348 | 1 | Test Tolerance updates to CQI reporting with enhanced receiver typeB test case | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171922 | 3246 | 1 | Update of NPDCCH single-antenna demodulation test | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171923 | 3247 | 1 | Update of NPDSCH demodulation test in standalone and Guard-band | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171924 | 3339 | 1 | Updates to In-band mode NPDSCH and NPDCCH Demodulation Performance tests for category NB1 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171932 | 3381 | 1 | Correction to PDSCH demodulation test cases for UE category M1 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171934 | 3299 | 1 | Introduction of CA\_11A-28A to section 7 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171936 | 3283 | 1 | Introduction of UE maximum output power for modulation / channel bandwidth for V2X Communication | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171937 | 3231 | 1 | Update TS 36.521-1 with Addition of LTE Band 48 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171938 | 3399 | 1 | Addition configuration IDs to test case 6.2.3A.1\_1 for CA configuration 10+20 MHz | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171940 | 3393 | 1 | Correction to TDD FDD 2CA Soft buffer test cases | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171941 | 3352 | 1 | Add minimum testing time in Annex G for SCE performance requirements | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171942 | 3349 | 1 | Updates to legacy demod test cases to include 4Rx UE | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171945 | 3440 | - | Band 41 HPUE Maximum Output Power | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171946 | 3441 | - | Adjacent Channel Leakage power Ratio for HPUE | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171949 | 3442 | 1 | Update of RMCs for NB-IoT RF tests | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171963 | 3275 | 2 | Update to test case 6.3.5F.2 Power Control Relative power tolerance for UE category NB1 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171967 | 3377 | 2 | Correction to Aggregate power control tolerance for UE category M1 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171968 | 3417 | 2 | Update of RMCs for UE category M1 in Annex A | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171969 | 3420 | 2 | Minimum requirements updates in section 8.11 test case for UE category M1 | 14.1.0 | 14.2.0 |
| 2017-03 | RAN#75 | R5-171997 | 3405 | 2 | Introduction of LAA PDCCH/PCFICH demodulation test case with FDD Pcell | 14.1.0 | 14.2.0 |
| 2017-06 | RAN#76 | R5-172116 | 3447 |  | NB-IoT bands 11, 25, 31, and 70 introduction to receiver requirements | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172142 | 3450 |  | Uncertainties and Test Tolerances for new LAA Test Cases - CQI reporting / PUSCH 3-1 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172196 | 3457 |  | Correction to typos in UL-MIMO test cases 6.3.2B | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172198 | 3458 |  | Clarification to measurement of SEM in test procedure of TC 6.6.2.1A.2 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172199 | 3459 |  | Introduction of switched case for inter-band CA transmit modulation test cases | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172200 | 3460 |  | Introduction of switched case for TC 6.5.2A.1.2\_1 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172201 | 3461 |  | Update of test requirements in TC 7.3A.3 for missing CA configurations | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172203 | 3463 |  | Update of TC 7.3\_1 to align with minimum conformance requirements | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172206 | 3464 |  | Update of TC 6.6.2.2A.2 for CA\_2A-5A and CA\_2A-12A | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172207 | 3465 |  | Update of TC 6.6.3.3A.2 for CA\_2A-5A and CA\_2A-12A | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172214 | 3467 |  | Remove content of SDR test cases for 4Rx | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172216 | 3468 |  | Update of requirements in TC 6.2.2A.2 for new Rel-14 CA configurations | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172219 | 3471 |  | Update of test requirements in TC 6.6.3.1A.2 for new Rel-14 CA configurations | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172221 | 3473 |  | Update of initial conditions in TC 6.6.3.3A.2 for new Rel-14 CA configurations | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172224 | 3476 |  | Update of test requirements in TC 7.3A.6 for new Rel-14 CA configurations | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172255 | 3477 |  | Update of the TC about TDD FDD CA Sustained data rate performance | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172260 | 3478 |  | Update of the TC 7.3A.5 REFSENS for 3DL CA (CA\_1A-19A-42A, 1A-21A-42A, 19A-21A-42A) | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172307 | 3488 |  | Update to the Dual Connectivity performance test cases | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172345 | 3494 |  | Alignment of Fixed Reference Channel two antenna ports for UE category M1 to TS 36.101 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172347 | 3495 |  | Invalid csi-ReportMode-r10 in message exceptions of CSI reporting for 4Rx UE TC | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172350 | 3498 |  | Correction of UL RMC for 5+10+10 MHz test step in TC 8.7.1.1\_A.2 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172351 | 3499 |  | Editorial correction of references to tables in clause UE category M1 TCs | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172352 | 3500 |  | Editorial correction of test case heading | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172353 | 3501 |  | Removal of duplicate Test step in TC 8.2.3.1.2.3 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172359 | 3504 |  | Update to chapter 8 & 9 PCC/SCC frequency mapping | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172360 | 3505 |  | Editorial update to Annex G for DL 256QAM | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172362 | 3506 |  | New eMTC test case 6.5.1EA\_1, Frequency Error for UE category M1 (CE Mode B) | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172374 | 3516 |  | Align CA capability definitions for demodulation test cases in sub-clause 8.1.2.2 with TS 36.101 v14.3.0 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172375 | 3517 |  | Align CA delta RIB in sub-clause 7.3.3 with TS 36.101 v14.3.0 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172376 | 3518 |  | Align CA delta TIB in sub-clause 6.2.5.3 with TS 36.101 v14.3.0 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172377 | 3519 |  | Align CA minimum requirements for reference sensitivity in sub-clause 7.3A.0 with TS 36.101 v14.3.0 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172392 | 3521 |  | Updated to NB-IoT RF tests cases | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172397 | 3524 |  | Updated to Table of E-UTRA channel numbers for SDL Band 69 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172422 | 3526 |  | Resubmission to update Annex F for test case 7.5A.3 to add LAA band combinations | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172431 | 3528 |  | Correction of codebookSubsetRestriction in test case 9.9.1.3.2 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172433 | 3529 |  | Updates to FDD and half-duplex FDD demodulation of MPDCCH in CE Mode A and TDD demodulation of MPDCCH in CE Mode A | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172463 | 3540 |  | Addition of Annex F for TDD FDD CA PDSCH Open Loop Multiplexing 2x2 Performance Test cases (4 & 5DL CA) | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172487 | 3544 |  | Change of UE target power configuration for Carrier leakage and In-band emissions tests | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172527 | 3551 |  | Introduction of CA\_8A-11A-28A to section 7 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172602 | 3578 |  | Addition of Annex G.3A.5 and G.3A.6 for 4DL CA test cases. | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172603 | 3579 |  | Removing of redundant editor's note for 4DL CA test cases | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172626 | 3585 |  | Correction to message contents for 4DL CA Rx tests | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172628 | 3587 |  | Correction to message contents of 4DL CA 8.2.1.4.2\_A.3 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172634 | 3589 |  | Introducing uncertainty of receiver spurious emission for band 46 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172641 | 3594 |  | Correction to Annex A.2 and A.3 for Cat-M1 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172644 | 3597 |  | Correction to Annex A.4 for Cat-M1 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172650 | 3601 |  | Correction to spurious emission band UE co-existence test | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172651 | 3602 |  | Editorial correction to 6.2.5 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172652 | 3603 |  | Correction to message contents of 3DL CA Rx tests | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172656 | 3607 |  | Correction to message contents for 2DL CA Rx tests | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172658 | 3609 |  | Correction to PMI test for TM9 with 8 TX and with 4TX enhanced codebook | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172710 | 3610 |  | Test tolerance and statistical test time addition to 4Rx demodulation test cases | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172715 | 3611 |  | Addition of NS\_27 for Band 48 in A-MPR test cases | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172718 | 3614 |  | Introduction of test case LAA PCFICH/PDCCH Transmit Diversity 2x2 with TDD as Pcell | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172720 | 3616 |  | Applicability correction for eDL-MIMO test cases in part 1 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172724 | 3617 |  | Correction to test case references in tables for applicability and test rules in clause 8.1.2.3 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172814 | 3625 |  | Update of minimum conformance requirement in 7.4A.0 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172824 | 3628 |  | Introduction of 8.2.3.2.1.3 TDD FDD CA PDSCH Open Loop Multi Layer Spatial Multiplexing 2x2 for FDD Pcell (4DL CA) | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-172825 | 3629 |  | Introduction of 8.2.3.2.1.4 TDD FDD CA PDSCH Open Loop Multi Layer Spatial Multiplexing 2x2 for FDD Pcell (5DL CA) | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173052 | 3621 | 1 | Updates to legacy CA CQI reporting test cases to include 4Rx UE | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173053 | 3622 | 1 | Updates to legacy single carrier CQI reporting test cases to include 4Rx UE | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173054 | 3623 | 1 | Updates to legacy PMI and RI test cases to include 4Rx UE | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173063 | 3595 | 1 | Correction to CSI tests for Cat-M1 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173064 | 3596 | 1 | Correction to MPDCCH aggregation level for Cat-M1 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173065 | 3598 | 2 | Correction to Cat-M1 demodulation test cases | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173070 | 3550 | 2 | Introduction of CA\_1A-11A-28A to section 7 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173071 | 3557 | 2 | Update of 2DL/1UL of CA\_3A-3A and CA\_7A-7A to section 7.3A.3 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173072 | 3558 | 2 | Introduction of 3DL/1UL of CA\_3A-3A-7A and CA\_3A-7A-7A to section 7.3A.5 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173073 | 3559 | 2 | Introduction of 4DL/1UL of CA\_3A-3A-7A-7A to section 7.3A.9 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173200 | 3523 | 1 | Updated Test Applicability for TC 6.2.3E | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173201 | 3456 | 1 | Correction to typos in Rx test cases for CA | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173202 | 3522 | 1 | Updated table references related to reference sensitivity in test description and test requirements | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173203 | 3604 | 1 | Correction to UL configuration for REFSENS test for CA\_41C and CA\_7C | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173204 | 3605 | 1 | Clean up on test configuration tables for intra-contiguous 2CA Rx tests | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173205 | 3493 | 1 | Update of NAICS demodulation TCs | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173206 | 3608 | 1 | Correction to Annex B.2.2 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173209 | 3443 | 1 | Update of test points and test requirements in TC 7.3A.5 for CA\_4A-12A-30A | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173210 | 3451 | 1 | New CA band combinations CA\_1A-41A-42C and 1A-41C-42A - Updates of 7.3A.9 REFSENS | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173212 | 3452 | 1 | New CA band combinations CA\_3C-8A - Updates of 7.3A.5 REFSENS | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173215 | 3472 | 1 | Update of TC 6.6.3.2A.2 for Rel-14 CA configuration CA\_2A-7A | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173216 | 3520 | 1 | Align operating bands and Channel bandwidths in sub-clause 5.2, 5.2A, 5.4.2.1 and 5.4.2A with TS36.101 v14.3.0 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173217 | 3527 | 1 | Addition of CA\_13A-66A in TS 36.521-1 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173220 | 3552 | 1 | Corrections on 3A-28A-41A in Test Configuration Table of section 7.3A.5.4.1 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173221 | 3554 | 1 | Introduction of 2UL/2DL CA\_41A-42A to section 7 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173223 | 3600 | 1 | Addition of CA configuration CA\_66A-66C, CA\_xA-66A-66A and CA\_66A-66A-xA for Refsens test | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173228 | 3624 | 1 | Test Tolerances and general updates to NB-IoT performance test cases | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173276 | 3448 | 1 | Addition of new LAA Test Case - CQI reporting / PUSCH 3-1 / FDD Pcell | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173277 | 3449 | 1 | Addition of new LAA Test Case - CQI reporting / PUSCH 3-1 / TDD Pcell | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173278 | 3525 | 1 | Introduction of LAA Dual-Layer Spatial Multiplexing with DM-RS with TDD as Pcell Test Case | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173279 | 3542 | 1 | Update test case 7.6.2A.3 to add LAA band combinations | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173280 | 3543 | 1 | Update test case 7.7A.3 to add LAA band combinations | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173281 | 3626 | 1 | LAA: Addition of CQI Reporting with FDD as PCELL | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173288 | 3453 | 1 | Introduction to New Rx test case 7.6.3A.8 Narrow band blocking for 5DL CA | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173289 | 3454 | 1 | Introduction to New Rx test case 7.7A.8 Spurious response for 5DL CA | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173290 | 3455 | 1 | Introduction to New Rx test case 7.8.1A.8 Wideband intermodulation for 5DL CA | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173291 | 3466 | 1 | Update of test requirements in TC 7.3A.6 for new Rel-13 CA configurations | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173295 | 3535 | 1 | Introduction of 8.2.3.2.2.3 TDD FDD CA PDSCH Open Loop Spatial Multiplexing 2x2 for TDD PCell (4DL CA) | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173296 | 3536 | 1 | Introduction of 8.2.3.2.2.4 TDD FDD CA PDSCH Open Loop Spatial Multiplexing 2x2 for TDD PCell (5DL CA) | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173298 | 3560 | 1 | Correction of 3DL CA & 4DL CA RX TC | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173299 | 3561 | 1 | Introduction of New TC7.3A.10 Reference sensitivity level for 5DL CA | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173301 | 3562 | 1 | Addition of CA\_8A-41C in test configuration in TC 7.3A.5 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173302 | 3539 | 1 | Addition of G.3A for TDD FDD CA PDSCH Single Antenna and Open Loop Spatial Multiplexing 2x2 Performance Test cases (4 & 5DL CA) | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173303 | 3555 | 1 | Update of 2DL/1UL of CA\_3A-42A, CA\_28A-42A, CA\_41A-42A and CA\_42A-46A to section 7.3A.3 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173305 | 3556 | 1 | Introduction of 3DL/1UL of CA\_2A-4A-7A and CA\_3A-41A-42A to section 7.3A.5 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173306 | 3618 | 1 | Addition of test case TDD FDD CQI Reporting under AWGN conditions – PUCCH 1-0 for FDD PCell (5DL CA) (9.6.1.3.4) | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173307 | 3619 | 1 | Addition of test case TDD FDD CQI Reporting under AWGN conditions – PUCCH 1-0 for TDD PCell (5DL CA) (9.6.1.4.4) | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173316 | 3510 | 1 | Updates to eMTC test case 8.11.1.1.3, FDD and half-duplex FDD PDSCH Transmit Diversity 2x1 for UE category M1 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173317 | 3514 | 1 | Updates to eMTC test case 8.11.1.2.3, TDD PDSCH Transmit Diversity for UE category M1 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173318 | 3515 | 1 | Updates to eMTC test case 9.8.1.1, FDD and Half duplex FDD CQI reporting definition under AWGN conditions for UE category M1 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173329 | 3496 | 1 | Sending of MaxLayersMimo-r10 IE for 4Rx TCs with more than 2 Layers | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173330 | 3530 | 1 | Updates to legacy FDD PDSCH demod test cases to include 4Rx UE | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173331 | 3531 | 1 | Updates to legacy TDD PDSCH demod test cases to include 4Rx UE | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173332 | 3532 | 1 | Updates to legacy TDD FDD CA PDSCH demod test cases to include 4Rx UE | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173333 | 3533 | 1 | Updates to legacy sustained data rate test cases to include 4Rx UE | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173339 | 3612 | 1 | Addition of NS\_27 for Band 48 in A-SEM test cases | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173340 | 3613 | 1 | Addition of NS\_27 for Band 48 in A-Spurious test cases | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173341 | 3444 | 1 | Correction to Band 70 test frequencies to clarify the use of two duplex spacings | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173342 | 3508 | 1 | Updates to eMTC test case 8.11.1.1.1, FDD and half-duplex FDD Closed-loop spatial multiplexing performance for UE category M1 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173343 | 3509 | 1 | Updates to eMTC test case 8.11.1.1.2, FDD and half-duplex FDD PDSCH Single-layer Spatial Multiplexing on antenna ports 7 or 8 for UE category M1 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173344 | 3512 | 1 | Updates to eMTC test case 8.11.1.2.1, TDD Closed-loop spatial multiplexing performance for UE category M1 (Cell-Specific Reference Symbols) | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173345 | 3513 | 1 | Updates to eMTC test case 8.11.1.2.2, TDD PDSCH Single-layer Spatial Multiplexing on antenna ports 7 or 8 for UE category M1 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173346 | 3497 | 1 | eHST RF: Practical and consistent model definition for HST-SFN scenario | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173347 | 3549 | 1 | Introduction of reference channels for enhanced high speed train test | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173348 | 3481 | 1 | Update of the TC 6.6.3F.2 Spurious emission band UE co-existence for category NB1 for Release 14 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173349 | 3581 | 1 | NB-IoT band 70 introduction to transmitter requirements | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173351 | 3446 | 1 | CA\_46A-46A-66A, CA\_46C-66A Receiver requirements | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173354 | 3482 | 1 | Update to operating bands for V2X Communication | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173355 | 3483 | 1 | Introduction of 6.2.2G UE Maximum Output Power for V2X Communication | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173356 | 3484 | 1 | Update to 6.2.3G.1 Maximum Power Reduction (MPR) for V2X Communication / Power class 3 / Contiguous allocation of PSCCH and PSSCH | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173357 | 3485 | 1 | Update to 6.2.4G.1 Additional Maximum Power Reduction (A-MPR) for V2X Communication / Non-concurrent with E-UTRA uplink transmission | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173358 | 3486 | 1 | Update to TC 6.2.5G.1 Configured UE transmitted Output Power for V2X Communication / Non-concurrent with E-UTRA uplink transmission | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173359 | 3489 | 1 | Introduction of 6.2.2G.2 UE Maximum Output Power for V2X Communication / Simultaneous E-UTRA V2X sidelink and E-UTRA uplink transmission | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173360 | 3490 | 1 | Introduction of 6.2.5G.2 Configured UE transmitted Output Power for V2X Communication / Simultaneous E-UTRA V2X sidelink and E-UTRA uplink transmission | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173361 | 3492 | 1 | Introduction of 6.2.3G.1.3 Maximum Power Reduction (MPR) for V2X Communication / Power class 3 / Simultaneous E-UTRA V2X sidelink and E-UTRA uplink transmission | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173370 | 3566 | 1 | Update of 7.3G.1 Reference sensitivity level for V2X Communication / Non-concurrent with E-UTRA uplink transmissions | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173372 | 3568 | 1 | Introduction of 7.3G.3 Reference sensitivity level for V2X Communication / Intra-band contiguous MCC operation | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173373 | 3569 | 1 | Update of 7.4G.1 Maximum input level for V2X Communication / Non-concurrent with E-UTRA uplink transmissions | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173374 | 3570 | 1 | Introduction of 7.4G.2 Maximum input level for V2X Communication / Simultaneous E-UTRA V2X sidelink and E-UTRA uplink transmissions | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173375 | 3571 | 1 | Introduction of 7.4G.3 Maximum input level for V2X Communication / Intra-band contiguous MCC operation | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173376 | 3572 | 1 | Update of 7.5G.1 Adjacent channel selectivity (ACS) for V2X Communication / Non-concurrent | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173377 | 3573 | 1 | Introduction of 7.5G.2 Adjacent channel selectivity (ACS) for V2X Communication / Simultaneous E-UTRA V2X sidelink and E-UTRA uplink transmissions | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173378 | 3574 | 1 | Introduction of 7.5G.3 Adjacent channel selectivity (ACS) for V2X Communication / Intra-band contiguous MCC operation | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173379 | 3575 | 1 | Update of 7.6.1G.1 In-band blocking for V2X Communication / Non-concurrent with E-UTRA uplink transmissions | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173380 | 3576 | 1 | Introduction of 7.6.1G.2 In-band blocking for V2X Communication / Non-concurrent with E-UTRA uplink transmissions | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173381 | 3577 | 1 | Introduction of 7.6.1G.3 In-band blocking for V2X Communication / Intra-band contiguous MCC operation | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173382 | 3582 | 1 | Introduction of TC 7.8.1G Wide band Intermodulation for V2X | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173383 | 3583 | 1 | Introduction of TC7.9G Spurious emissions for V2X | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173384 | 3487 | 1 | Correction to the A-SE requirement for Band 41 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173385 | 3469 | 1 | Update of TC 6.2.4A.2 for new Rel-14 CA configurations | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173386 | 3470 | 1 | Update of TC 6.2.4A.2\_1 for new Rel-14 CA configurations | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173387 | 3474 | 1 | Update of TC 6.6.2.2A.2 for new Rel-14 CA configurations | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173388 | 3475 | 1 | Update of TC 6.6.2.2A.2\_1 for new Rel-14 CA configurations | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173390 | 3553 | 1 | Introduction of 2UL/2DL CA\_41A-42A to section 6 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173395 | 3564 | 1 | Addition of CA bands in test configuration in TC 7.3A.5 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173396 | 3565 | 1 | Addition of CA bands in test configuration in TC 7.3A.9 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173397 | 3580 | 1 | Introduction of 3DL/1UL of CA\_3A-20A-32A to section 7 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173399 | 3563 | 1 | Addition of CA\_12A-66A in test configuration in 7.3A.3 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173400 | 3545 | 1 | Change of UE target power configuration for EVM test | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173401 | 3479 | 1 | Update of the TC 7.3A.9 REFSENS for 4DL CA (CA\_1A-3A-19A-42A, 1A-19A-21A-42A, 1A-19A-42C, 1A-21A-42C, 19A-21A-42C) | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173402 | 3534 | 1 | Correction to Test configuration Tables in subclause 7.3A for 3DL CA and 4DL CA | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173403 | 3584 | 1 | Correction to 4DL CA out of band blocking interferer | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173404 | 3620 | 1 | Correction of CA configuration CA\_28A-40C Refsens test | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173409 | 3591 | 1 | Clean up on Cat-M1 Rx test cases | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173410 | 3592 | 1 | Clean up on Cat-M1 Tx test cases | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173411 | 3593 | 1 | Correction to spurious emission band UE co-existence for UE category M1 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173417 | 3462 | 1 | Update of legacy Reference Sensitivity CA tests for 4Rx | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173421 | 3507 | 1 | Updates to Annex A and Annex G for eMTC test cases | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173422 | 3511 | 1 | Updates to eMTC test case 8.11.1.1.3\_1, FDD PDS and half-duplex FDD CH Transmit Diversity 2x1 for UE category M1 (CEmodeB) | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173423 | 3546 | 1 | Clean up NPDCCH single-antenna performance test | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173424 | 3547 | 1 | Clean up NPDSCH demodulation test in standalone and Guard-band mode | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173427 | 3606 | 1 | Correction to 3DL CA out of band blocking interferer | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173428 | 3590 | 1 | Correction to transmit signal quality tests for category M1 | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173431 | 3502 | 1 | Updates to A-MPR, A-SEM and A-Spur TCs | 14.2.0 | 14.3.0 |
| 2017-06 | RAN#76 | R5-173436 | 3567 | 2 | Introduction of 7.3G.2 Reference sensitivity level for V2X Communication / Simultaneous E-UTRA V2X sidelink and E-UTRA uplink transmissions | 14.2.0 | 14.3.0 |
| 2017-09 | RAN#77 | R5-173529 | 3630 | - | Correction of Test Settings for CA\_4A-12A-30A in TC 7.3A.5 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-173617 | 3637 | - | Addition of CA\_2A-5A-66A in TS 36.521-1 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-173619 | 3639 | - | Addition of CA\_2A-13A-66A in TS 36.521-1 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-173694 | 3645 | - | Addition of CA\_XA-YC-ZA to 7.4A.7 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-173695 | 3646 | - | Addition of CA\_XA-YC-ZA to 7.5A.7 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-173696 | 3647 | - | Addition of CA\_XA-YC-ZA to 7.6.1A.7 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-173697 | 3648 | - | Addition of CA\_XA-YC-ZA to 7.6.2A.7 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-173698 | 3649 | - | Addition of CA\_XA-YC-ZA to 7.6.3A.7 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-173699 | 3650 | - | Addition of CA\_XA-YC-ZA to 7.8.1A.7 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-173784 | 3652 | - | Editorial correction to 4Rx Applicability for CSI | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-173785 | 3653 | - | Addition of FS3 OCNG pattern to Rx tests | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-173787 | 3655 | - | Clarification on UL RMC for category NB1 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-173797 | 3658 | - | Addition of measurement period for 9.8.2.1 in Annex G.5.4 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-173798 | 3659 | - | Removing editor’s note regarding UE’s declaration on carrier center frequency for Cat M1 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-173912 | 3667 | - | Editorial: Addition of band 40 for eMTC | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-173942 | 3674 | - | Editorial: Addition of V2V reference resource pooll configurations | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-173949 | 3676 | - | Addition of new Rel-13 CA RF test case 7.4A.8 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-173962 | 3678 | - | Update to test requirements in TC 6.7 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-173963 | 3679 | - | Updates to test requirements for CA tests with interferers | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-173984 | 3683 | - | Correction of test procedure and test requirement in TC 6.6.3.2A.2 (editorial change) | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-173993 | 3686 | - | eMTC correction of missing references for UL RMCs | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-173994 | 3687 | - | Correction of test requirement in TC 7.3\_1 (editorial change) | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-173999 | 3690 | - | New eMTC test case, 6.3.5EA.3\_1 Aggregate power control tolerance for UE category M1 (CE Mode B) | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-174006 | 3694 | - | Addition of new 4Rx SDR test cases - Annex F | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-174007 | 3695 | - | Update Annex A with RMCs for 4Rx and 5MHz (editorial change) | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-174024 | 3700 | - | Addition of new CA Configuration CA\_3A-38A to TS 36.521-1 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-174026 | 3701 | - | Editorial Change of TC 8.10.1.1.3 – Alignment to TS 36.101 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-174027 | 3702 | - | Correction of RB allocation in TC 6.5.2.3EA | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-174029 | 3704 | - | Editorial Change of RBstart expression in category M1 TC | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-174031 | 3706 | - | Editorial Change of heading format for TC 6.3.3F | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-174090 | 3713 | - | Editorial change of CA configuration for CA\_41C-42A and CA\_41C-42C | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-174092 | 3714 | - | New CA band combination CA\_41A-42C(2UL) and CA\_41C\_42A(2UL) - Updates of 7.3A.5 REFSENS | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-174096 | 3716 | - | Correction of test frequency in 6.2.4EA for NS\_17 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-174097 | 3717 | - | Correction of test frequency in 6.6.3EA.3 for NS\_17 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-174135 | 3724 | - | Editorial Change to align LAA capability definitions for demodulation test cases in sub-clause 8.1.2 with TS 36.101 v14.4.0 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-174136 | 3725 | - | Added CA band combination to test requirement | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-174152 | 3729 | - | Addition of 1.4 and 3 MHz to Ch 5 in 36.521-1 for Band 65 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-174153 | 3730 | - | Addition of 1.4 and 3 MHz to Ch 7 in 36.521-1 for Band 65 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-174155 | 3731 | - | Receiver requirements for CA\_29A-70A, CA\_29A-46A-66A, CA\_46A-66A-66A, CA\_46A-66C, CA\_46A-70A | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-174178 | 3732 | - | Editorial Change of tables for channel bandwidths per operating band for CA | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-174244 | 3738 | - | Introduction of the new TC7.5A.8 ACS for 5DL CA | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-174245 | 3739 | - | Introduction of the new TC7.6.1A.8 In-band blocking for 5DL CA | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-174246 | 3740 | - | Introduction of the new TC7.6.2A.8 Out-of-band blocking for 5DL CA | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-174256 | 3743 | - | FDD Enhanced Downlink Control Channel Performance Type A for PCFICH/PDCCH, 2 Tx Antenna Port under Asynchronous Network | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-174257 | 3744 | - | FDD Enhanced Downlink Control Channel Performance Type A for PCFICH/PDCCH, 2 Tx Antenna Port with Non-Colliding CRS Dominant Interferer | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-174258 | 3745 | - | Test procedure correction for CQI-RI test cases | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-174261 | 3748 | - | TDD Enhanced Downlink Control Channel Performance Type A for PCFICH/PDCCH, 2 Tx Antenna Port with Colliding CRS Dominant Interferer | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-174262 | 3749 | - | TDD Enhanced Downlink Control Channel Performance Type A for PCFICH/PDCCH, 2 Tx Antenna Port with Non-Colliding CRS Dominant Interferer | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-174264 | 3751 | - | Addition of test points in test configuration table for RX sensitivity TCs | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-174270 | 3755 | - | TDD Enhanced Downlink Control Channel Performance Type B for PCFICH/PDCCH, 2 Tx Antenna Port with Colliding CRS Dominant Interferer | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-174271 | 3756 | - | TDD Enhanced Downlink Control Channel Performance Type B for PCFICH/PDCCH, 2 Tx Antenna Port with Non-Colliding CRS Dominant Interferer | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-174342 | 3769 | - | Introduction of new Dual Connectivity test cases - General ON/OFF time mask for Dual Connectivity | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-174346 | 3772 | - | Updates to FDD and TDD Dual-Layer Spatial Multiplexing 2x4 (User-Specific Reference Symbols) | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-174356 | 3774 | - | Editorial correction to Cat M1 MPDCCH test case | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-174357 | 3775 | - | Editorial change to include note 2 reference for Band 22 tolerance in 6.2.2 UE Maximum Output Power | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-174429 | 3785 | - | Editorial change to modify wrong references in category NB1 test cases | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-174440 | 3789 | - | Addtion of test tolerance statement for TDD FDD CA PDSCH Closed Loop Multi Layer Spatial Multiplexing 4x2 (4&5 DL CA) in Annex F | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-174680 | 3697 | 1 | Editorial Change - Correction of band sets for CA\_7A-46C and CA\_7A-46D | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175001 | 3681 | 1 | Addition of test requirement in TC 7.3A.5 for CA\_2A-7A-12A | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175002 | 3720 | 1 | Update to Rx test case 7.6.3A.8 Narrow band blocking for 5DL CA | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175003 | 3721 | 1 | Update to Rx test case 7.7A.8 Spurious response for 5DL CA | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175004 | 3722 | 1 | Update to Rx test case 7.8.1A.8 Wideband intermodulation for 5DL CA | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175005 | 3726 | 1 | Editorial Change to align CA capability definitions for demodulation test cases in sub-clause 8.1.2.3 with TS 36.101 v14.4.0 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175006 | 3741 | 1 | Addition of the CA\_1A-3A, 1A-19A, 1A-21A, 3A-19A, 19A-21A for 2UL 64QAM TCs | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175007 | 3765 | 1 | Updated RF general section 4.1 to align with core specification | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175008 | 3777 | 1 | Add New TC of 6.2.2A.4.1 of UE Maximum Output Power for intra-band contiguous 3 UL CA | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175009 | 3778 | 1 | Add New TC of 6.2.2A.4.2 for UE Maximum Output Power for inter-band 3 UL CA | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175010 | 3779 | 1 | Add New TC of 6.5.1A.4.1 for Frequency error for intra-band contiguous 3 UL CA | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175011 | 3780 | 1 | Add New TC of 6.5.1A.4.2 of Frequency error for inter- band 3 UL CA | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175012 | 3790 | 1 | Addtion of minimum test time statement for TDD FDD CA PDSCH Closed Loop Multi Layer Spatial Multiplexing 4x2 (4&5 DL CA) in Annex G | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175025 | 3715 | 1 | New CA band combination CA\_1A-41C-42C - Updates of 7.3A.10 REFSENS | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175026 | 3698 | 1 | Addition of a few Band 46 CA Configurations to TS 36.521-1 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175027 | 3712 | 1 | Addition of Rel-14 CA minimun and test requirements for Spurious emission band UE co-existence for CA | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175052 | 3666 | 1 | Editorial Change to TC7.3 minimum conformance requirements of 4Rx to same text in core spec | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175055 | 3767 | 1 | Introduction of A-SEM test case with PUSCH frequency hopping | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175056 | 3781 | 1 | Correction to test applicability of test cases 8.2.1.3.1 and 8.2.1.3.1\_1 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175057 | 3685 | 1 | Correction of initial conditions in TC 6.6.2.2A.2\_1 (editorial change) | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175058 | 3782 | 1 | Editorial Change - Reordering of Tables according to NS value | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175059 | 3708 | 1 | Editorial Change – Cleanup of Test Configuration Tables of TC 7.3A.5 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175060 | 3661 | 1 | Correction to TDD PMI Reporting Multiple PMI for eDL-MIMO test case 9.4.2.3.2\_D | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175065 | 3657 | 1 | Correction to UE-selected subband CQI test for Cat M1 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175066 | 3696 | 1 | Correction of minimum test time for ETU1 in annex G | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175067 | 3705 | 1 | Editorial Change – Correction of minimum test time for TC 8.11.1.1.3 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175068 | 3773 | 1 | Completion of eMTC A-MPR test cases for NS\_07 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175075 | 3692 | 1 | Addition of new 4Rx SDR test case - FDD 2DL | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175076 | 3693 | 1 | Addition of new 4Rx SDR test case - FDD 3DL | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175077 | 3746 | 1 | FDD Enhanced Downlink Control Channel Performance Type B for PCFICH/PDCCH, 2 Tx Antenna Port with Colliding CRS Dominant Interferer | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175078 | 3747 | 1 | FDD Enhanced Downlink Control Channel Performance Type B for PCFICH/PDCCH, 2 Tx Antenna Port with Non-Colliding CRS Dominant Interferer | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175079 | 3768 | 1 | Introduction of new Dual Connectivity test cases - Power Control Relative power tolerance | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175085 | 3631 | 1 | Introduction of In-band emissions for non-allocated RB for V2X Communication / Non-concurrent with E-UTRA uplink transmissions in 6.5.2.3G.1 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175086 | 3633 | 1 | Update of TC7.6.2G Out-of-band blocking for V2X Communication | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175087 | 3634 | 1 | Update of TC 7.8.1G.1 Wide band Intermodulation for V2X | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175088 | 3635 | 1 | Update of TC7.9G Spurious emissions for V2X | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175089 | 3642 | 1 | Introduction of Spurious emission for V2X Communication / Non-concurrent with E-UTRA uplink transmissions in 6.6.3G.1 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175090 | 3675 | 1 | Addition of V2V new test case 6.5.1G.1 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175091 | 3718 | 1 | Adding new TC 6.6.1G.1 Occupied bandwidth for V2X Communication/ Non-concurrent with E-UTRA uplink transmissions | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175092 | 3723 | 1 | GNSS Reference signal for V2V | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175093 | 3733 | 1 | Introduction of Spurious emission band UE co-existence for V2X Communication / Non-concurrent with E-UTRA uplink transmissions in 6.6.3G.1\_1 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175094 | 3764 | 1 | Introduction of Additional Spectrum Emission Mask for V2X Communication / Non-concurrent with E-UTRA uplink transmissions in 6.6.2.2G.1 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175095 | 3784 | 1 | Editorial: Addition of V2V RMC for performance requirements | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175096 | 3787 | 1 | New test cases: Demodulation performance Requirements for V2X Sidelink communications | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175102 | 3643 | 1 | Introduction of Spurious emission for V2X Communication / Intra-band contiguous MCC operation in 6.6.3G.3 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175103 | 3752 | 1 | Editorial change for V2X reference sensitivity TC | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175104 | 3753 | 1 | Update & editorial change for V2V RX Test Cases | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175105 | 3757 | 1 | Introduction ofSpurious emission band UE co-existence for V2X Communication / Intra-band contiguous MCC operation in 6.6.3G.3\_1 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175106 | 3766 | 1 | Update RF general section 3 for V2X information | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175107 | 3791 | 1 | Introduction of Spectrum Emission Mask for V2X Communication / Intra-band contiguous MCC operation in 6.6.2.1G.3 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175111 | 3786 | 1 | Editorial change to align 7.8.1F minimun and test requirements with core spec | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175113 | 3750 | 1 | Addition of test requirement & test points in test configuration table for 3A-69A | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175114 | 3776 | 1 | Addition of Band 69 in Receiver test cases | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175115 | 3788 | 1 | Addition of Cat1bis demod test cases | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175122 | 3669 | 1 | New TC: FDD PDSCH performance in HST-SFN scenario | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175123 | 3670 | 1 | New TC: TDD PDSCH performance in HST-SFN scenario | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175125 | 3770 | 1 | Addition of Rel14 bands for NB-IoT in Clause 5 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175126 | 3771 | 1 | Addition of Rel14 bands in NB-IoT Transmitter test cases | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175127 | 3699 | 1 | Editorial Change – Cleanup of Test Configuration Tables of TC 7.3A.9 and TC 7.3A.10 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175128 | 3727 | 1 | Updated to test requirement to clause 8 test cases | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175129 | 3737 | 1 | Introduction of TDD CQI Reporting under AWGN conditions – PUCCH 1-0 for CA (4DL CA) | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175130 | 3742 | 1 | Update of the test requirement about TC 7.3A.10 REFSENS for 5DL CA | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175137 | 3662 | 1 | Introduction ofTDD FDD CA PDSCH Closed Loop Multi Layer Spatial Multiplexing 4x2 for FDD PCell (4DL CA) in 8.2.3.3.1.3 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175138 | 3663 | 1 | Introduction of TDD FDD CA PDSCH Closed Loop Multi Layer Spatial Multiplexing 4x2 for FDD PCell (5DL CA) in 8.2.3.3.1.4 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175139 | 3664 | 1 | Introduction of TDD FDD CA PDSCH Closed Loop Multi Layer Spatial Multiplexing 4x2 for TDD PCell (4DL CA) in 8.2.3.3.2.3 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175140 | 3665 | 1 | Introduction of TDD FDD CA PDSCH Closed Loop Multi Layer Spatial Multiplexing 4x2 for TDD PCell (5DL CA) in 8.2.3.3.2.4 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175145 | 3673 | 1 | Addition of LAA test case 9.2.6.2 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175146 | 3758 | 1 | NBIoT correction of bandwidth | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175160 | 3689 | 1 | Correction to eMTC test case (CEModeB) to support repetition factor >1 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175161 | 3710 | 1 | Updates for FDD and HD-FDD and TDD Demodulation of MPDCCH in CE Mode B Test Cases | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175168 | 3644 | 1 | New CA band combinations CA\_1A-3C-8A - Updates of 7.3A.9 REFSENS | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175169 | 3680 | 1 | Introduction of CA\_1A-3A-11A to section 7 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175170 | 3682 | 1 | Introduction of CA\_3A-8A-11A to section 7 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175171 | 3684 | 1 | Introduction of CA\_3A-11A-28A to section 7 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175176 | 3783 | 1 | Update test case 7.6.2A.3 for LAA band combinations | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175177 | 3638 | 1 | Introduction of EVM equalizer spectrum flatness for V2X Communication / Non-concurrent with E-UTRA uplink transmissions in 6.5.2.4G.1 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175178 | 3640 | 1 | Introduction of Spectrum Emission Mask for V2X Communication / Non-concurrent with E-UTRA uplink transmissions in 6.6.2.1G.1 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175179 | 3636 | 1 | Introduction of In-band emissions for non-allocated RB for V2X Communication / Intra-band contiguous MCC operation in 6.5.2.3G.3 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175180 | 3719 | 1 | Adding new TC 6.6.1G.2 Occupied bandwidth for V2X Communication / Simultaneous E-UTRA V2X sidelink and E-UTRA uplink transmissions | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175181 | 3754 | 1 | Update & editorial change for V2X RX Test Cases | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175185 | 3761 | 1 | Update to Configured UE transmitted Output Power for V2X Communication / Simultaneous E-UTRA V2X sidelink and E-UTRA uplink transmissions | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175190 | 3691 | 1 | Addition of new 4Rx SDR test case - FDD single carrier | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175191 | 3711 | 1 | Introduction of TDD-FDD CA PDSCH Closed Loop Single Layer Spatial Multiplexing 2x4 with TM4 Interference Model-Enhanced Performance Requirement Type A for TDD Pcell (2DL CA) | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175192 | 3734 | 1 | Introduction of TDD-FDD CA PDSCH Closed Loop Single Layer Spatial Multiplexing 2x4 with TM4 Interference Model-Enhanced Performance Requirement Type A for FDD Pcell (2DL CA) | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175197 | 3632 | 1 | Editorial correction to In-band emissions for non allocated RB in 6.5.2.3.4.2 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175199 | 3672 | 1 | Addition of eIMTA performance test case 8.2.2.2.5 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175203 | 3654 | 1 | Correction to NB-IoT test cases 6.5.1F and 6.6.2.1F | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175206 | 3735 | 2 | Introduction of TDD-FDD CA PDSCH Single-layer Spatial Multiplexing 2x4 on antenna ports 7 or 8 with TM9 Interference Model-Enhanced Performance Requirement Type A for TDD Pcell (2DL CA) | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175207 | 3736 | 2 | Introduction of TDD-FDD CA PDSCH Single-layer Spatial Multiplexing 2x4 on antenna ports 7 or 8 with TM9 Interference Model-Enhanced Performance Requirement Type A for FDD Pcell (2DL CA) | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175208 | 3688 | 1 | Editorial change, correction of RMC for Cat-M1 TDD PDSCH demodulation requirements | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175210 | 3707 | 1 | Update of TC 6.3.4F ON/OFF time mask for category NB1 | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175217 | 3656 | 1 | Correction to Test Parameters for Cat M1 CQI tests | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175220 | 3759 | 2 | Update to 6.2.2G.2 UE Maximum Output Power for V2X Communication / Simultaneous E-UTRA V2X sidelink and E-UTRA uplink transmission | 14.3.0 | 14.4.0 |
| 2017-09 | RAN#77 | R5-175221 | 3760 | 2 | Update to Maximum Power Reduction (MPR) for V2X Communication / Power class 3 / Simultaneous E-UTRA V2X sidelink and E-UTRA uplink transmission | 14.3.0 | 14.4.0 |
| 2017-12 | RAN#78 | R5-176118 | 3793 | - | Correction of eMTC minimum test time | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176196 | 3806 | - | Update of Annexes F.1.4 and F.3.4 | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176229 | 3809 | - | Introduction of New TC 6.5.2A.1.4 Error Vector Magnitude (EVM) for CA (3UL CA) | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176230 | 3810 | - | Introduction of New TC 6.5.2A.2.4 Carrier leakage for CA (3UL CA) | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176231 | 3811 | - | Introduction of New TC 6.5.2A.3.4 In-band emissions for non allocated RB for CA (3UL CA) | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176245 | 3818 | - | Correction of eMTC test case 7.3EA | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176246 | 3819 | - | Aligning CA delta TIB in sub-clause 6.2.5.3 with TS 36.101 v14.5.0 | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176247 | 3820 | - | Aligning CA delta RIB in sub-clause 7.3.3 with TS 36.101 v14.5.0 | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176252 | 3822 | - | Adding missing ULCA bandwidth class B MPR | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176299 | 3827 | - | Updated Annex I.2.2 Tests for CA | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176300 | 3828 | - | Updated Annex G for new 4DL CA test cases | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176301 | 3829 | - | Added TC7.3A.9 test requirement for CA\_2A-2A-5A-30A | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176308 | 3832 | - | Updated to Annex A for RMC and reference resource pool configuration | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176336 | 3846 | - | Addition of new 4Rx SDR test cases - Annex F | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176386 | 3850 | - | New CA band combinations CA\_1A-3A-8A-40A - Updates of 7.3A.9 REFSENS | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176388 | 3851 | - | Updates of the SDR TC 8.7.5.1\_H.3 for TDD FDD CA | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176418 | 3860 | - | Introduction of Spurious response for V2X in 7.7G.2 | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176423 | 3862 | - | Update of 4DL CA Test Cases | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176425 | 3863 | - | Correction to applicability statement of 4Rx CQI test cases | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176430 | 3864 | - | Update the applicability of test points for CA configurations 3A-3A and 7A-7A | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176431 | 3865 | - | Update REFSENS of 3DL CA for multiple CA configurations in 7.3A.5 | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176432 | 3866 | - | Addition of REFSENS of 2A-4A-7A-7A in 7.3A.9 | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176453 | 3869 | - | Update of UE co-existence requirements for Band 39 in 6.6.3.2 | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176477 | 3870 | - | Missed Addition of Cat1bis demod test case | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176493 | 3875 | - | Correction to test procedure for 6.3.5F.2 | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176496 | 3878 | - | Correction to 6.5.2.1F.1 and 6.5.2.3F | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176503 | 3881 | - | Correction to requirement of 9.4.1.3.2\_D | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176504 | 3882 | - | Editorial correction to 8.2.1.4.2\_A.3 | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176505 | 3883 | - | Clean up on LAA demodulation test cases | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176507 | 3885 | - | Correction to the test applicability for 2Rx SDR tests (36.521-1) | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176541 | 3889 | - | Introduction of TDD FDD CA Sustained data rate performance for TDD PCell (5DL CA) in 8.7.5.2.4 | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176553 | 3892 | - | Correction of test points for intra band non-contiguous 2DL CA Max input level | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176555 | 3894 | - | Editorial correction of title for 4Rx chapter 9 TCs in 36.521-1 | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176559 | 3896 | - | Alignment of TC 9.9.2.2.1 & 9.9.2.2.2 with 36.101 | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176614 | 3902 | - | Introduction of UE Transmit OFF power for V2X Communication / Non-concurrent with E-UTRA uplink transmissions | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176616 | 3904 | - | Update of test configuration for Maximum input level for 4DL CA | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176618 | 3905 | - | Update of test configuration for ACS for 4DL CA | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176619 | 3906 | - | Update of test configuration for In-band blocking for 4DL CA | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176620 | 3907 | - | Update of test configuration for Out-band blocking for 4DL CA | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176621 | 3908 | - | Update of test configuration for Narrow band blocking for 4DL CA | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176622 | 3909 | - | Update of test configuration for Wideband intermodulation for 4DL CA | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176631 | 3912 | - | FDD Enhanced Downlink Control Channel Performance Type A for PHICH, 2 Tx Antenna Port under Asynchronous Network | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176632 | 3913 | - | FDD Enhanced Downlink Control Channel Performance Type A for PHICH, 2 Tx Antenna Port with Non-Colliding CRS Dominant Interferer | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176634 | 3914 | - | FDD Enhanced Downlink Control Channel Performance Type B for PHICH, 2 Tx Antenna Port with Colliding CRS Dominant Interferer | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176635 | 3915 | - | FDD Enhanced Downlink Control Channel Performance Type B for PHICH, 2 Tx Antenna Port with Non-Colliding CRS Dominant Interferer | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176636 | 3916 | - | TDD Enhanced Downlink Control Channel Performance Type A for PHICH, 2 Tx Antenna Port with Colliding CRS Dominant Interferer | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176638 | 3918 | - | TDD Enhanced Downlink Control Channel Performance Type B for PHICH, 2 Tx Antenna Port with Colliding CRS Dominant Interferer | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176639 | 3919 | - | TDD Enhanced Downlink Control Channel Performance Type B for PHICH, 2 Tx Antenna Port with Non-Colliding CRS Dominant Interferer | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176640 | 3920 | - | FDD Enhanced Downlink Control Channel Performance Type A for EPDCCH, 2 Tx Antenna Port with Non-Colliding CRS Dominant Interferer | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176642 | 3922 | - | TDD Enhanced Downlink Control Channel Performance Type A for EPDCCH, 2 Tx Antenna Port with Non-Colliding CRS Dominant Interferer | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176643 | 3923 | - | FDD Enhanced Downlink Control Channel Performance Type A for EPDCCH, 2 Tx Antenna Port under Asynchronous Network | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176654 | 3925 | - | Correction to e-MTC TM9 PDSCH. | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176721 | 3937 | - | Missed additions and corrections in TS 36.521-1 | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176722 | 3938 | - | Correction to test requirements for B42 in TC 6.2.2A.2 | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176773 | 3940 | - | Alignment of 7.9A measurement frequency ranges with TS 36.101 | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176776 | 3941 | - | Correction of MPDCCH test cases | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176780 | 3942 | - | Corrections for NPDSCH-ConfigCommon-NB-DEFAULT in 6.3.4F.1 | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176792 | 3943 | - | Update of UL CA relative power control | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176796 | 3944 | - | Introduction of 4Rx CA TM9 demodulation test cases | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176827 | 3947 | - | Updates to Performance Test Cases for V2X Sidelink communications | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176839 | 3951 | - | Change of V2V TC names in TS 36.521-1 | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176840 | 3952 | - | Correction of eMTC chapter 8 TC | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176841 | 3953 | - | Editorial Change – Alignment of HST-SFN scenario and requirements to TS 36.101 | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176843 | 3955 | - | Editorial Change - Alignment of UE category M1 demodulation TCs to TS 36.101 | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176847 | 3957 | - | New feMTC test case, 7.3EC Reference sensitivity level for UE category M2 | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176848 | 3958 | - | New feMTC test case 6.2.2EB UE Maximum Output Power for UE category M2 | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176849 | 3959 | - | Correction 6.6.2.3F NB-IoT ACLR test conditions | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177092 | 3888 | 1 | Change of eMTC demodulation test cases numbering | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177094 | 3956 | 1 | Editorial Change - Alignment of Channel spacing for CA to 36.101 | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177112 | 3876 | 1 | Correction to test procedure for 6.3.5F.3 | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177113 | 3877 | 1 | Correction to test condition for 6.5.1F | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177114 | 3879 | 2 | Clean up on NB-IoT demodulation tests | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177117 | 3932 | 1 | eLAA: Updates to Maximum output power | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177300 | 3934 | 1 | Updates of the Receiver Test cases for 5DL CA | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177301 | 3936 | 1 | Updates of the Receiver Test cases for 4DL CA | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177303 | 3849 | 1 | New CA band combinations CA\_1A-3A-40A, CA\_1A-8A-40A, and CA\_3A-8A-40A - Updates of 7.3A.5 REFSENS | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177304 | 3903 | 1 | Update of A-MPR and Additional spurious emissions for inter-band DL and UL CA for UL 64QAM | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177305 | 3911 | 1 | Update of test case 9.6.1.1\_A.4 | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177306 | 3927 | 1 | Add a new test case 6.2.2A.4 to merge test cases 6.2.2A.4.1 and 6.2.2A.4.2 of UE Maximum Output Power for 3 UL CA | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177317 | 3917 | 1 | TDD Enhanced Downlink Control Channel Performance Type A for PHICH, 2 Tx Antenna Port with Non-Colliding CRS Dominant Interferer | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177318 | 3921 | 1 | TDD Enhanced Downlink Control Channel Performance Type A for EPDCCH, 2 Tx Antenna Port with Colliding CRS Dominant Interferer | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177320 | 3926 | 1 | Correction to test case 6.2.2A.1 | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177321 | 3880 | 1 | Update 3DL CA Rx tests to support LAA band | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177323 | 3831 | 1 | Updated to RF section 8 & 9 test cases for missing TM9 in Test applicability | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177324 | 3884 | 1 | Correction to Test Parameters for Cat M1 PUCCH 1-0 static tests | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177325 | 3901 | 1 | Editorial correction to the operating bands for the vehicle mounted Band 30 UE | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177327 | 3930 | 1 | Correction to test case 9.3.2.1 | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177333 | 3834 | 1 | Update to existing FDD 4Rx SDR test cases | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177335 | 3837 | 1 | Addition of new 4Rx SDR test case - TDD single carrier | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177336 | 3835 | 1 | Addition of new 4Rx SDR test case - FDD 4DL | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177337 | 3836 | 1 | Addition of new 4Rx SDR test case - FDD 5DL | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177338 | 3838 | 1 | Addition of new 4Rx SDR test case - TDD 2DL | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177339 | 3839 | 1 | Addition of new 4Rx SDR test case - TDD 3DL | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177340 | 3840 | 1 | Addition of new 4Rx SDR test case - TDD 4DL | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177341 | 3841 | 1 | Addition of new 4Rx SDR test case - TDD 5DL | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177342 | 3842 | 1 | Addition of new 4Rx SDR test case - TDD FDD 2DL | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177343 | 3843 | 1 | Addition of new 4Rx SDR test case - TDD FDD 3DL | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177344 | 3845 | 1 | Addition of new 4Rx SDR test case - TDD FDD 5DL | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177349 | 3960 | - | Add a new test case 6.5.1A.4 to merge test cases 6.5.1A.4.1 and 6.5.1A.4.2 of Frequency error for CA (3UL CA) | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177352 | 3857 | 1 | Update of V2V RX Test cases | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177353 | 3794 | 1 | Update of TC7.6.2G.1 Out-of-band blocking for V2X Communication | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177354 | 3797 | 1 | Update of TC 7.8.1G.1 Wide band Intermodulation for V2X | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177355 | 3802 | 1 | Update of TC7.9G Spurious emissions for V2X | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177356 | 3808 | 1 | Introduction of new test case 6.3.5G.1 Power Control Absolute power tolerance for V2X Communication / Non-concurrent with E-UTRA uplink transmissions | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177357 | 3858 | 1 | Introduction of Spurious response for V2V in 7.7G.1 | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177362 | 3859 | 1 | Update of V2X RX Test cases | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177363 | 3792 | 1 | Update to 5.2, 5.2G and 5.4.2G | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177364 | 3795 | 1 | Introduction of TC7.6.2G.2 Out-of-band blocking for V2X Communication / Simultaneous E-UTRA V2X sidelink and E-UTRA uplink transmissions | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177365 | 3796 | 1 | Introduction of TC7.6.2G.3 Out-of-band blocking for V2X Communication / Intra-band contiguous multi-carrier operation | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177366 | 3798 | 1 | Introduction of TC 7.8.1G.2 Wide band Intermodulation for V2X Communication / Simultaneous E-UTRA V2X sidelink and E-UTRA uplink transmissions | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177367 | 3799 | 1 | Introduction of TC 7.8.1G.3 Wide band Intermodulation for V2X Communication / Intra-band contiguous multi-carrier operation | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177368 | 3814 | 1 | Introduction of New TC 6.3.2G.3 Minimum output power for V2X Communication / Intra-band contiguous multi-carrier operation | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177369 | 3815 | 1 | Introduction of new test case 6.3.5G.2 Power Control Absolute power tolerance for V2X Communication / Intra-band contiguous multi-carrier operation | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177370 | 3861 | 1 | Introduction of Spurious response for V2X in 7.7G.3 | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177371 | 3946 | 1 | Addition of new TC for V2X\_Demod | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177373 | 3816 | 1 | Introduction of numbering rules guideline for category M2 in Annex I | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177379 | 3847 | 1 | Correction to NB-IOT NPDSCH demod parameters | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177381 | 3939 | 1 | Correction in 8.12.2.1.2 to accommodate number of antennas | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177390 | 3825 | 1 | Updated clause 5.2E to include operating bands for UE category 1bis | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177391 | 3948 | 1 | Addition of new CAT1-bis TM9 Demod TCs | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177392 | 3949 | 1 | Cat1bis: Addition of new CAT1-bis TxDiv Demod TC | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177393 | 3950 | 1 | Cat1bis: Addition of new CAT1-bis SDR TCs | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177394 | 3954 | 1 | Addition of TC 7.3EB Reference Sensitivity for UE Category 1bis | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177395 | 3804 | 1 | Introduction of TC 8.9.1.1.2\_1 FDD PDSCH Closed Loop Single Layer Spatial Multiplexing 2x1 for UE Category 1bis. | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177396 | 3805 | 1 | Introduction of TC 8.9.1.2.2\_1 TDD PDSCH Closed Loop Single Layer Spatial Multiplexing 2x1 for UE Category 1bis | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177407 | 3833 | 1 | Introduction of new test case 6.3.5A.1.x Power Control Absolute power tolerance for CA (SRS carrier based switching) | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177408 | 3962 | 1 | Introduction of new test case TC 6.7A.4 "Transmit intermodulation for CA (3DL CA and 3UL CA) | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177418 | 3817 | 1 | Update to Rx test case 7.6.3A.8 and 7.8.1A.8 for 5DL CA | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177419 | 3854 | 1 | Update test parameters for TDD CQI Reporting under AWGN conditions – PUCCH 1-0 for CA (4DL CA) | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177420 | 3961 | 1 | Introduction of new test case TC 6.6.1A.4 “Occupied bandwidth for CA (3DL CA and 3UL CA) | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177421 | 3935 | 1 | Introduction of the new Test case 8.7.5.2\_H.3 TDD-FDD 4DL CA SDR for 256QAM | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177423 | 3803 | 1 | Introduction of TC7.9F Spurious emissions for category NB1 | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177424 | 3868 | 1 | Update of 6.7F the transmit intermodulation for category NB1 | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177427 | 3855 | 1 | Introduction of TDD CQI Reporting under AWGN conditions – PUCCH 1-0 for CA (5DL CA) | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177428 | 3812 | 1 | Introduction of New TC 6.3.2G.1 Minimum output power for V2X Communication / Non-concurrent with E-UTRA uplink transmissions | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177430 | 3899 | 1 | Adding new TC 6.7G.1 Transmit intermodulation for V2X Communication / Non-concurrent with E-UTRA uplink transmissions | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177433 | 3844 | 1 | Addition of new 4Rx SDR test case - TDD FDD 4DL | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177434 | 3852 | 1 | Introduction of TDD-FDD CA PDSCH Closed Loop Multi Layer Spatial Multiplexing 4x4 with 256QAM for FDD PCell (2DL CA) | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177435 | 3853 | 1 | Introduction of TDD-FDD CA PDSCH Closed Loop Multi Layer Spatial Multiplexing 4x4 with 256QAM for TDD PCell (2DL CA) | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177436 | 3824 | 1 | Introduction of RF TC 8.9.2.1.1\_1 | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177437 | 3813 | 1 | Introduction of New TC 6.3.2G.2 Minimum output power for V2X Communication / Simultaneous E-UTRA V2X sidelink and E-UTRA uplink transmissions | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177438 | 3856 | 1 | Introduction of Additional Maximum Power Reduction (A-MPR) for V2X Communication / Simultaneous E-UTRA V2X sidelink and E-UTRA uplink transmissions | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177439 | 3890 | 1 | Introduction of In-band emissions for non-allocated RB for V2X Communication / Simultaneous E-UTRA V2X sidelink and E-UTRA uplink transmissions in 6.5.2.3G.2 | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177440 | 3900 | 1 | Adding new TC 6.7G.2 Transmit intermodulation for V2X Communication / Simultaneous E-UTRA V2X sidelink and E-UTRA uplink transmissions | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177443 | 3821 | 1 | Optimisation for test cases 7.6.2A.x, statistical significance change. | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-177452 | 3924 | 1 | Clarification on the Order of SCCs | 14.4.0 | 14.5.0 |
| 2017-12 | RAN#78 | R5-176378 | 3848 | - | Band 72 introduction to 36.521-1 Chapter 5 | 14.5.0 | 15.0.0 |
| 2017-12 | RAN#78 | R5-176568 | 3898 | - | Band 72 introduction to 36.521-1 output power requirements | 14.5.0 | 15.0.0 |
| 2017-12 | RAN#78 | R5-177309 | 3830 | 1 | Align CA information in clause 5 with TS36.101 v15.0.0 | 14.5.0 | 15.0.0 |
| 2017-12 | RAN#78 | R5-177376 | 3826 | 1 | Added operating band and bandwidth for FDD Band 71 | 14.5.0 | 15.0.0 |
| 2017-12 | RAN#78 | R5-177441 | 3897 | 1 | Addition of LTE Band 71 into TS 36.521-1 | 14.5.0 | 15.0.0 |
| 2017-12 | RAN#78 | R5-177442 | 3931 | 1 | Addition of Band 71 in Receiver test cases | 14.5.0 | 15.0.0 |
| 2018-03 | RAN#79 | R5-180351 | 3965 | - | Band 68 introduction to 36.521-1 Chapter 5 | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180356 | 3969 | - | Introduction of new V2X test case 6.3.5G.2 Power Control Absolute power tolerance for V2X Communication / Simultaneous E-UTRA V2X sidelink and E-UTRA uplink transmissions | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180358 | 3971 | - | Update Annexes F.1.2 and F.3.2 for V2X test cases 6.3.5G.2 and 6.3.5G.3 | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180385 | 3976 | - | Introduction of TC 9.7\_1.1.2 TDD CQI reporting under AWGN conditions - PUCCH 1-0 for UE category 1bis | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180386 | 3977 | - | Introduction of TC 9.7\_1.1.1 FDD CQI reporting under AWGN conditions - PUCCH 1-0 for UE category 1bis | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180387 | 3978 | - | Introduction of TC 9.7\_1.1.3 FDD CQI reporting under fading conditions - PUSCH 3-0 for UE category 1bis | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180388 | 3979 | - | Introduction of TC 9.7\_1.1.4 TDD CQI reporting under fading conditions - PUSCH 3-0 for UE category 1bis | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180389 | 3980 | - | Update of Annexes F.1.5 and F.3.5 | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180414 | 3985 | - | Update of eIMTA performance test case 8.2.2.2.5 | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180415 | 3986 | - | Addition of eIMTA CQI reporting test case 9.2.5 | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180416 | 3987 | - | Addition of eIMTA CQI reporting test case 9.3.1.1.5 | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180417 | 3988 | - | Addition of eIMTA CQI reporting test case 9.3.1.2.6 | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180418 | 3989 | - | Add the test tolerance information into Annex F for multiple eIMTA test cases. | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180464 | 3991 | - | Update of TC8.13.3.6.1 and 8.13.3.6.2 | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180466 | 3992 | - | Introduction of new test case 8.12.1.1.3 “Demodulation of NPDSCH (Cell-Specific Reference Symbols) in standalone for NB2” | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180500 | 4008 | - | Band 72 introduction to 36.521-1 spurious requirements | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180509 | 4009 | - | Introduce definitions and symbols of NB2 | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180513 | 4012 | - | Addition of Band 72 in 36.521-1 Receiver test cases | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180516 | 4013 | - | Addition of Band 72 in 36.521-1 Sections 9 and 12 | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180575 | 4023 | - | Introduction of UE maximum output power for V2X Communication / Intra-band contiguous multi-carrier operation | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180576 | 4024 | - | Introduction of UE maximum output power for V2X Communication / Power class 2 / Non-concurrent with E-UTRA uplink transmissions | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180578 | 4025 | - | Introduction of UE Transmit OFF power for V2X Communication / Simultaneous E-UTRA V2X sidelink and E-UTRA uplink transmissions | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180739 | 4041 | - | Completion of FDD 4Rx SDR test cases | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180740 | 4042 | - | Completion of TDD 4Rx SDR test cases | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180741 | 4043 | - | Completion of TDD FDD 4Rx SDR test cases | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180742 | 4044 | - | Minimum conformance requirements update for spurious emission band UE co-existence for CA (editorial) | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180743 | 4045 | - | Introduction of Rel-15 test requirement for spurious emission band UE co-existence for CA | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180755 | 4049 | - | Added operation band and bandwidth information for Rel-15 CA | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180762 | 4051 | - | Resolve RMC name conflict in PHICH demodulation test | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180769 | 4052 | - | New feMTC test case 8.11.1.1.3.2, FDD and half-duplex FDD PDSCH 2 Tx Antenna Port supporting wideband transmission for UE category M2 | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180770 | 4053 | - | New UL 256-QAM test case, 6.2.3\_5, Maximum Power Reduction (MPR) for UL 256QAM | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180771 | 4054 | - | New UL 256-QAM test case, 6.6.2.3\_5, Adjacent Channel Leakage power Ratio for UL 256QAM | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180772 | 4055 | - | Updates to legacy Tx test cases for UL 256-QAM | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180774 | 4056 | - | Update Annex A with reference measurement channels for UL 256-QAM | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180794 | 4059 | - | Editorial Correction – Alignment of Rel-14 CA configurations to TS 36.101 | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180795 | 4060 | - | Editorial Correction – Alignment of RMC to 36.101 | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180797 | 4062 | - | Correction of TC 7.3EB | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180798 | 4063 | - | Editorial Correction – Alignment of Rel-15 CA configuration to TS 36.101 | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180799 | 4064 | - | Correction of A-MPR for Band 48 (NS\_27) | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180812 | 4065 | - | Applicability of LTE DL Control Channel Interference Mitigation test cases | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180815 | 4066 | - | IM DLLCH Definitions, symbols and abbreviations | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180840 | 4067 | - | Update of Category M1 UL CEModeB TCs | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180843 | 4070 | - | Correction to LAA performance TCs | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180844 | 4071 | - | Correction to TC 6.7F | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180855 | 4078 | - | Introduction of General ON/OFF time mask for CA (3UL CA) | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180926 | 4089 | - | Editorial change of Additional spurious emissions for CA (inter-band DL CA and UL CA) for UL 64QAM | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180927 | 4090 | - | Update of TDD PDSCH Closed Loop Multi Layer Spatial Multiplexing 4x2 for CA (4DL CA) | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180928 | 4091 | - | Update of TDD Sustained data rate performance for CA (4DL CA) | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180929 | 4092 | - | Update of TDD FDD CA PDSCH Single Antenna Port Performance for TDD PCell (5DL CA) | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180935 | 4095 | - | Correction to Rx Test Environment for 4 and 5 DL CA with Wgap | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180938 | 4097 | - | Correction to NB-IoT Configured UE transmitted power test 6.2.5F | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180941 | 4098 | - | Correction to operating band for NB-IoT | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180942 | 4099 | - | Correction to test configuration tables for intra-contiguous 2CA Tx tests | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180943 | 4100 | - | Update to test requirements in CatM1 TC 6.7EA | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180947 | 4104 | - | Editorial correction to 4x4MIMIO demodulation test cases | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180949 | 4106 | - | Editorial correction in Annex F for CatM1 TC 8.11.1.1.1 | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-180992 | 4109 | - | Introduction of CA\_3A-7A-20A (3DL-2UL) to section 7 | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181055 | 4127 | - | Addition of the Band 74 information into TS 36.521-1 chapter 5 | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181057 | 4129 | - | Addition of the Band 74 information into TS 36.521-1 chapter 7 | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181080 | 4134 | - | Editorial Correction of DCI format in 4Rx demodulation test case | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181096 | 4140 | - | Introduction of 4Rx CA TDD TM9 demodulation test cases | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181097 | 4141 | - | Introduction of 4Rx CA FDD TM4 demodulation test cases | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181098 | 4142 | - | Introduction of 4Rx CA TDD TM4 demodulation test cases | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181099 | 4143 | - | Update of Annex F and G for new 4Rx CA demodulation test cases | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181102 | 4144 | - | Beamforming model for FD-MIMO | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181341 | 4068 | 1 | Updates of Annex A for LAA | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181342 | 4069 | 1 | Correction to LAA CQI TCs | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181361 | 4086 | 2 | Updates to PDSCH scheduling for CQI reporting test cases for CA | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181362 | 4103 | 1 | Correction to 4x4MIMO CSI test cases | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181511 | 4028 | 1 | Insert TT statement for V2V SEM and SE test cases in Annex F | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181516 | 4034 | 1 | Add TT statement for V2X SEM and SE test cases in Annex F | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181520 | 3972 | 1 | Updates of the CQI reporting TC 9.6.1.3.3 and 9.6.1.4.3 for TDD FDD CA | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181521 | 4076 | 1 | Introduction of Minimum Output Power for CA (3UL CA) | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181522 | 4077 | 1 | Introduction of UE Transmit OFF power for CA (3UL CA) | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181527 | 4096 | 1 | Editorial correction to Table 6.2.5.3-3 Delta TIB (three bands) | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181529 | 3974 | 1 | Band 68 introduction to 36.521-1 output power requirements | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181530 | 3975 | 1 | Band 68 introduction to 36.521-1 spurious requirements | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181531 | 4029 | 1 | Addition of Band 68 in 36.521-1 Receiver test cases | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181533 | 4083 | 1 | Update of CA Performance Test Cases | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181534 | 4115 | 1 | Correction to typo of the test case numbering of 8.2.2.1.1\_A.3 | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181537 | 4125 | 1 | Missing requirements for CA\_29A-66A-66A, CA\_29A-66C | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181538 | 4126 | 1 | Receiver requirements for CA\_29A-66A-70A, CA\_29A-66A-66A-70A, CA\_29A-66A-66A-70C, CA\_29A-66A-70C, CA\_29A-66C-70A, CA\_29A-66C-70C, CA\_29A-70C, CA\_66A-66A-70A, CA\_66A-66A-70C, CA\_66A-70A, CA\_66A-70C, CA\_66C-70A, CA\_66C-70C | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181539 | 4040 | 1 | eLAA\_Update to 6.3.5A.1.2 and 6.3.5A.2.2 | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181540 | 4113 | 1 | Updates to test case 6.6.1A.2 Occupied bandwidth | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181543 | 4085 | 1 | Correction of test points and test requirement for TC 6.6.3.2A.2 | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181544 | 4135 | 1 | Intra-band non-contiguous sensitivity test case corrections | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181545 | 4072 | 1 | Update of section 8.1.2 for DL 256QAM | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181546 | 4132 | 1 | CSI 4RX: Correction to RI tests and used reference channels and MCS schemes | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181547 | 4105 | 1 | Correction to LAA performance tests | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181549 | 4131 | 1 | Reference sensitivity adjustment due to support for 4 antenna ports | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181550 | 4133 | 1 | Correction of message exceptions with zeroTxPowerResourceConfigList-r10 and zeroTxPowerSubframeConfig-r10 | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181558 | 4001 | 1 | Introduction of New TC 8.13.1.1.3 FDD PDSCH Closed Loop Multi Layer Spatial Multiplexing 4x4 with 256QAM (2DL CA) | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181559 | 4002 | 1 | Introduction of New TC 8.13.1.1.4 FDD PDSCH Closed Loop Four-Layer Spatial Multiplexing for CA (2DL CA) | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181561 | 4093 | 1 | Update of test applicability and minimum requirement in 9.6.1.3.4 and 9.6.1.4.4 | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181563 | 3973 | 1 | Resubmission of Updates to Performance Test Cases for V2X Sidelink communications | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181564 | 3982 | 1 | Addition of new test case 6.5.2.1G.1, EVM for V2X non-concurrent with E-UTRA | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181565 | 3981 | 1 | Update of test case 6.5.1G.1, Frequency Error for V2X non-concurrent with E-UTRA | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181566 | 3983 | 1 | Addition of new test case 6.5.2.2G.1, Carrier leakage for V2X non-concurrent with E-UTRA | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181567 | 4014 | 1 | Introduction of Maximum Power Reduction (MPR) for V2X Communication / Power class 3 / Non-contiguous allocation of PSCCH and PSSCH / Non-concurrent with E-UTRA uplink transmissions | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181568 | 4019 | 1 | Update to General ON/OFF time mask for V2X Communication / Non-concurrent with E-UTRA uplink transmissions | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181569 | 4021 | 1 | Introduction of PSSS/SSSS time mask for V2X Communication / Non-concurrent with E-UTRA uplink transmissions | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181572 | 3990 | 1 | Editorial, Cleaning up the style of titles of V2X test cases in TS 36.521-1 | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181573 | 4016 | 1 | Introduction of Configured UE transmitted Output Power for V2X Communication / Intra-band contiguous multi-carrier operation | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181574 | 4018 | 1 | Introduction of UE Transmit OFF power for V2X Communication / Intra-band contiguous multi-carrier operation | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181575 | 4020 | 1 | Introduction of General ON/OFF time mask for V2X Communication / Intra-band contiguous multi-carrier operation | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181577 | 4030 | 1 | Introduction of Spurious emission for V2X Communication / Sidelink simultaneous with E-UTRA uplink transmissions | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181578 | 4031 | 1 | Introduction of Spurious emission band UE co-existence for V2X Communication / Sidelink simultaneous with E-UTRA uplink transmissions | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181579 | 4032 | 1 | Introduction of Spectrum Emission Mask for V2X Communication /Sidelink simultaneous with E-UTRA uplink transmissions | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181580 | 4033 | 1 | Introduction of Additional Spectrum Emission Mask for V2X Communication / Sidelink simultaneous with E-UTRA uplink transmissions | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181581 | 4037 | 1 | Completion of Performance Test Case 14.8 for V2X Sidelink communications | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181582 | 4039 | 1 | Addition of new TC 6.6.1G.3 | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181583 | 4094 | 1 | Addition of new TC 6.7G.3 | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181602 | 4010 | 1 | Add the term NB2 into the applicability of minimum requirements | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181603 | 4011 | 1 | Add the term NB2 into Operating bands, Channel bandwidth and Carrier frequency | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181610 | 4128 | 1 | Addition of the Band 74 information into TS 36.521-1 chapter 6 | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181615 | 4130 | 1 | Update of the operation bands about Category M2 and NB2 | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181619 | 4138 | 1 | Introduction of CA\_3A-7A-20A-32A 4DL/1UL to section 7 | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181621 | 4082 | 1 | Update of 5DL CA Receiver Test Cases | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181622 | 4117 | 1 | Addition of the information about timing difference for TDD CA (2Rx) | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181624 | 4022 | 1 | Introduction of TDD sustained data rate performance for CA (5DL CA) | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181625 | 4047 | 1 | Updated to RF section 7 test cases for Rel-14 CA combination | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181626 | 4079 | 1 | Introduction of TDD PDSCH Closed Loop Multi Layer Spatial Multiplexing 4x2 for CA (5DL CA) | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181627 | 4080 | 1 | Introduction of TDD PDSCH Open Loop Spatial Multiplexing 2x2 for CA (5DL CA) | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181628 | 4081 | 1 | Introduction of TDD PDSCH Single Antenna Port Performance for CA (5DL CA) | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181629 | 4116 | 1 | Update test cases 6.2.2A.2 and 6.2.3A.2 for 12A-66A 2ULCA | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181631 | 4026 | 1 | Supplement the TC In-band emissions for non-allocated RB for V2X Communication/Non-concurrent with E-UTRA uplink transmissions with PSBCH testing | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181632 | 4027 | 1 | Update of the V2V SEM and SE test cases | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181633 | 4036 | 1 | Completion of Performance Test Cases 14.2 and 14.3 for V2V Sidelink communications | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181634 | 4107 | 1 | Update of Spectrum Emission Mask for V2X Communication / Non-concurrent with E-UTRA uplink transmissions in 6.5.2.4G.1 | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181636 | 4035 | 1 | Addition of IBE and EVM test requirement for Elaa | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181639 | 4108 | 1 | eLAA: Updates to Maximum output power | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181641 | 4003 | 1 | Introduction of New TC 8.13.1.3.1 FDD PDSCH Closed Loop Single Layer Spatial Multiplexing 2x4 with TM4 Interference Model – Enhanced Performance Requirement Type A (2DL CA) | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181642 | 4004 | 1 | Introduction of New TC 8.13.1.4.1 FDD PDSCH Single-layer Spatial Multiplexing 2x4 on antenna ports 7 or 8 with TM9 Interference Model - Enhanced Performance Requirement Type A (2DL CA) | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181643 | 4005 | 1 | Introduction of New TC 8.13.2.3.1 TDD PDSCH Closed Loop Single Layer Spatial Multiplexing 2x4 with TM4 Interference Model – Enhanced Performance Requirement Type A (2DL CA) | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181644 | 4006 | 1 | Introduction of New TC 8.13.2.4.1 TDD PDSCH Single-layer Spatial Multiplexing 2x4 on antenna ports 7 or 8 with TM9 Interference Model - Enhanced Performance Requirement Type A (2DL CA) | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181645 | 3970 | 1 | Update Annexes F.1.2 and F.3.2 for 4.2GHz < f <= 6GHz of 6.2.2/6.3.2/6.3.3/6.3.5.1 and V2V Sidelink test case 6.3.5G.1 | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181646 | 3967 | 1 | Update the message contents and test requirement for V2V Sidelink test case 6.3.5G.1 | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181647 | 3968 | 1 | Update the message contents and test requirement for V2X test case 6.3.5G.3 | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181648 | 4015 | 1 | Introduction of Maximum Power Reduction (MPR) for V2X Communication / Power class 3 / Intra-band contiguous multi-carrier operation | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181649 | 4058 | 1 | Update to UE Maximum Output Power for V2X Communication / Non-concurrent with E-UTRA uplink transmission | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181650 | 4048 | 1 | Align CA capability definitions for demodulation test cases in sub-clause 8.1.2.x with TS 36.101 v15.1.0 | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181651 | 4050 | 1 | Updated to RF section 7 test cases for Rel-15 CA combination | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181653 | 4114 | 1 | Correction to test case 6.6.3.1A.1 | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181654 | 4061 | 1 | Corrections for eMTC demodulation test cases | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181663 | 4007 | 1 | Update to Rx test cases for 5DL CA | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181664 | 4073 | 1 | Correction to 3DL/4DL CA Receiver Test Cases | 15.0.0 | 15.1.0 |
| 2018-03 | RAN#79 | R5-181361 | 4086 | 2 | Addition of missing CR "Updates to PDSCH scheduling for CQI reporting test cases for CA" | 15.1.0 | 15.1.1 |
| 2018-04 | RAN#79 | RP-180517 | 4145 | - | Resubmission of clause 8 part of CR: Cat1bis: Addition of new CAT1-bis SDR TCs  Note: This is a resubmission of CR3950r1 which was not implemented after RAN#78. | 15.1.1 | 15.1.2 |
| 2018-06 | RAN#80 | R5-182229 | 4146 | - | Editorial change – Alignment of RMCs in HST TCs | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182253 | 4149 | - | Addition of TT for test case 8.2.1.9 in TS 36.521-1 | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182254 | 4150 | - | Addition of TT for test case 8.2.2.9 in TS 36.521-1 | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182273 | 4155 | - | Update minimum conformance requirements for B43 in Spurious emission band UE co-existence test case (editorial) | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182362 | 4163 | - | eLAA: RMC Update for eLAA | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182366 | 4164 | - | New test case: 7.4EC Maximum input level for UE category M2 | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182414 | 4180 | - | Updating category M2 receiver test case 7.3EC with new bands (4, 14, 71) | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182531 | 4186 | - | Update to Transmit OFF power for V2X Communication / Non-concurrent with E-UTRA uplink transmissions | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182532 | 4187 | - | Update to General ON/OFF time mask for V2X Communication / Non-concurrent with E-UTRA uplink transmissions | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182534 | 4189 | - | Update to PSSS/SSSS time mask for V2X Communication / Non-concurrent with E-UTRA uplink transmissions | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182539 | 4193 | - | Update to Maximum Power Reduction (MPR) for V2X Communication / Power class 3 / Contiguous allocation of PSCCH and PSSCH / Non-concurrent with E-UTRA uplink transmissions | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182590 | 4204 | - | Update to UE Maximum Output Power for V2X Communication / Non-concurrent with E-UTRA uplink transmission | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182591 | 4205 | - | Update to UE Maximum Output Power for V2X Communication / Simultaneous E-UTRA V2X sidelink and E-UTRA uplink transmission | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182592 | 4206 | - | Update to UE Maximum Output Power for V2X Communication / Intra-band contiguous multi-carrier operation | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182602 | 4212 | - | Addition of Annex G for V2V/X performance requirements for Sidelink communications | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182606 | 4215 | - | Addition of V2V performance test 14.4 for Sidelink communications | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182626 | 4224 | - | Update to 6.6.1G.1 | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182631 | 4227 | - | New LTE 3UL CA TC 6.6.3.2A.4 | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182633 | 4228 | - | eLAA update to 6.3.5A.2.2 | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182647 | 4230 | - | Resubmit the CR of TC 9.7\_1.1.2 for UE category 1bis | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182661 | 4231 | - | Update of test case 6.5.2.1G.1, EVM for V2X non-concurrent with E-UTRA | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182662 | 4232 | - | Update of test case 6.5.2.2G.1, Carrier leakage for V2X non-concurrent with E-UTRA | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182663 | 4233 | - | Update of Annex E to add EVM calculation method for V2X communication | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182667 | 4235 | - | Addition of REFSENS for CA\_40E | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182669 | 4236 | - | Addition of REFSENS for CA\_41F | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182672 | 4237 | - | Introduction of band 73 to TS36.521-1 clause 5 | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182687 | 4242 | - | Introduction of TC 6.3.5A.1.4 Power Control Absolute power tolerance for CA (3UL CA) | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182688 | 4243 | - | Introduction of TC 6.3.5A.2.4.1 Power Control Relative power tolerance for CA (intra-band contiguous 3DL CA and 3UL CA) | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182691 | 4246 | - | Introduction of TC 6.3.5A.2.4.3 Power Control Relative power tolerance for CA (intra-band non-contiguous 3DL CA and 3UL CA) | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182694 | 4247 | - | Introduction of TC 6.3.5A.3.4 Aggregate Power Control Tolerance for CA (3UL CA) | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182696 | 4249 | - | CA band combination CA\_1A-18A-28A - Updates of test points for some Rx tests | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182699 | 4251 | - | CA band combination CA\_3A-42A - Updates of 7.3A.6 REFSENS | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182702 | 4253 | - | CA band combination CA\_41C-42C - Updates of 7.3A.9 REFSENS | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182704 | 4254 | - | Update of Editor’s note in clause 9.6.1.3.4 and 9.6.1.4.4 | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182705 | 4255 | - | Introduction of TC 6.6.2.3A.4.3 Adjacent Channel Leakage power Ratio for CA (intra-band non-contiguous 3DL CA and 3UL CA) | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182709 | 4257 | - | CA band combinations CA\_1A-3A-28A, CA\_1A-3A-42A, CA\_1A-42C and CA\_3A-42C - Updates of 7.3A.5 REFSENS | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182714 | 4259 | - | New CA band combination CA\_3A-18A - Updates of 7.3A.3 and 7.3A.6 REFSENS | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182715 | 4260 | - | Introduction of TC 6.6.3.1A.4.3 Transmitter Spurious emissions for CA (intra-band non-contiguous 3DL CA and 3UL CA) | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182722 | 4262 | - | CA band combinations CA\_41A-42C and CA\_41C-42A - Updates of 6.2.2A.4 MOP | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182725 | 4264 | - | CA band combinations CA\_41A-42C and CA\_41C-42A - Updates of 7.3A.5 REFSENS | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182727 | 4265 | - | Editorial Correction of SNR value for TC 8.10.2.1.1 | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182733 | 4268 | - | Correction of REFSENS for CA\_2A-4A-29A-30A and CA\_4A-29A-30A | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182735 | 4270 | - | Correction of REFSENS for CA\_4A-4A-12A and CA\_4A-4A-13A | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182742 | 4271 | - | Editorial correction to 6.2.5A.3 test requirement | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182743 | 4272 | - | Correction to SRS time mask for UE category M1 | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182746 | 4275 | - | Correction to eDL-MIMO RI Reporting Test | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182747 | 4276 | - | Correction of RMC name in PHICH demodulation test | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182748 | 4277 | - | Correction to TM4 4Tx Perf tests | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182750 | 4279 | - | Editorial correction to eMTC CSI tests | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182760 | 4280 | - | Updated RF clause 7.3A.0 for Rel-15 CA combination | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182771 | 4284 | - | Correction of MPR for Multi Cluster PUSCH test case 6.2.3\_4 | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182772 | 4285 | - | Correction of MPR for Multi Cluster PUSCH test case 6.2.3\_2 | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182804 | 4289 | - | Corrections to RMC for LAA performance TCs | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182806 | 4291 | - | Update of general sections of chapter 8 and 9 | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182877 | 4304 | - | Clarification on the Order of SCCs | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182898 | 4305 | - | Update the minimum conformance requirements, message contents and test requirement for V2V Sidelink test case 6.3.5G.1 | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182899 | 4306 | - | Correction to e-MTC CQI test cases | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182904 | 4307 | - | Introduction of new V2X test case 6.3.5G.2 Power Control Absolute power tolerance for V2X Communication / Simultaneous E-UTRA V2X sidelink and E-UTRA uplink transmissions | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182906 | 4308 | - | Update the minimum conformance requirements, message contents and test requirement for V2X test case 6.3.5G.3 | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182919 | 4312 | - | Introduction of 4Rx TDD FDD CA TM4 demodulation test cases | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182974 | 4316 | - | Addition of band 4, 14 and 71 for UE category M1 and NB1 to clause 6.6. | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-182975 | 4317 | - | Addition of band 4, 14 and 71 for UE category M1 and NB1 to clause 7.3 | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183002 | 4320 | - | Corrections for LAA performance test cases | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183005 | 4323 | - | Editorial correction of applicability and test rules for TDD-FDD CA configurations | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183006 | 4324 | - | Editorial correction to RMC for UL 256QAM | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183010 | 4325 | - | Alignment of test configuration tables for CA receiver test cases | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183254 | 4288 | 1 | Corrections to LAA performance TCs | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183278 | 4278 | 1 | Correction to LAA CSI reporting tests | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183713 | 4329 | - | Addition and correction of GNSS information for V2X for receiver tests | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183718 | 4188 | 1 | Test Tolerance and other details for CAT1-bis TM9 Demod TCs | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183731 | 4222 | 1 | Addition of new TC 7.4A.7\_H | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183732 | 4223 | 1 | Addition of new TC 7.4A.8\_H | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183735 | 4295 | 1 | Update of Name\_Release mapping table for DL CA | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183744 | 4181 | 1 | LTE\_B48\_Reference sensitivity level correction | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183746 | 4203 | 1 | Correction for test requirement in TC 6.2.4\_2 | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183747 | 4273 | 1 | Editorial correction to additional spurious emission test | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183748 | 4287 | 1 | Correction to test points for NS\_12 | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183749 | 4274 | 1 | Correction to test configuration tables in intra-band non-contiguous CA Rx test cases | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183750 | 4300 | 1 | Decreasing test frequency for NB-IoT test | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183752 | 4151 | 1 | Correction to eMTC TM6 PDSCH applicability | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183754 | 4154 | 1 | Editorial: Adding titles to empty sub-clauses | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183760 | 4216 | 1 | Updates to Ch9 CA CQI Reporting Accuracy tests | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183761 | 4217 | 1 | Introduction of New TC 8.13.2.1.3 TDD PDSCH Closed Loop Multi Layer Spatial Multiplexing 4x4 with 256QAM (2DL CA) | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183762 | 4219 | 1 | Introduction of New TC 8.13.2.1.4 TDD PDSCH Closed Loop Four-Layer Spatial Multiplexing (2DL CA) | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183763 | 4221 | 1 | Introduction of New TC 8.13.3.7.1 TDD-FDD CA PDSCH Closed Loop Four-Layer Spatial Multiplexing for FDD PCell (2DL CA) | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183764 | 4225 | 1 | Introduction of New TC 8.13.3.7.2 TDD-FDD CA PDSCH Closed Loop Four-Layer Spatial Multiplexing for TDD PCell (2DL CA) | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183765 | 4267 | 1 | Editorial correction to 4 layer MIMO test | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183766 | 4290 | 1 | Update of RMCs for four antenna ports | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183770 | 4321 | 1 | Corrections of CA configurations | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183772 | 4147 | 1 | Align CA information in clause 5 with TS36.101 v15.2.0 | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183773 | 4160 | 1 | Aligning CA delta TiB in sub-clause 6.2.5.3 with TS 36.101 v15.2.0 | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183774 | 4161 | 1 | Aligning CA delta RiB in sub-clause 7.3.3 with TS 36.101 v15.2.0 | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183776 | 4261 | 1 | CA band combinations CA\_1A-3A-18A and CA\_1A-3A-26A - Updates of 7.3A.5 REFSENS | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183779 | 4327 | 1 | Correction to Rx requirements in Band 70 CA configurations without Band 71 | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183788 | 4332 | - | New CA band combinations CA\_3A-7A-42A and CA\_3A-20A-42A - Updates of 7.3A.5 REFSENS | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183789 | 4197 | 1 | Cleaning up TC 6.5.2.4G.1 and 6.6.3G.1 for V2V | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183790 | 4198 | 1 | Update of test requirement in TC 6.6.3G.1\_1 for V2V | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183791 | 4199 | 1 | Introduction of TC 6.6.2.3G.1 for V2V | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183792 | 4208 | 1 | Correction to the V2V test applicability | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183793 | 4210 | 1 | Update to Additional Maximum Power Reduction (A-MPR) for V2X Communication / Non-concurrent with E-UTRA uplink transmissions | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183794 | 4211 | 1 | Update to Configured UE transmitted Output Power for V2X Communication / Non-concurrent with E-UTRA uplink transmission | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183795 | 4213 | 1 | Completion of V2V performance tests for Sidelink communications | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183796 | 4226 | 1 | Update of test case 6.7G.1 | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183797 | 4234 | 1 | Update of Annex F to add TT information for multiple V2V test cases | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183798 | 4310 | 1 | Update Annex F.3.2 for 4.2GHz < f <= 6GHz of 6.3.2/6.3.5.1 and V2V Sidelink test case 6.3.5G.1 according to R4-1805742 | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183801 | 4330 | 1 | Addition and correction of GNSS information for V2X for transmitter tests – part 1 | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183802 | 4331 | 1 | Addition and correction of GNSS information for V2X for transmitter tests – part 2 | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183803 | 4168 | 1 | Addition and correction of GNSS information for V2X to clause 14 | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183804 | 4169 | 1 | Deletion of GNSS information for V2X from annex C.2 | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183805 | 4207 | 1 | Introduction of Maximum Power Reduction (MPR) for V2X Communication / Power class 2 / Contiguous allocation of PSCCH and PSSCH / Non-concurrent with E-UTRA uplink transmissions | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183806 | 4214 | 1 | Completion of V2X Performance TC 14.8 | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183808 | 4309 | 1 | Introduction of new V2X test case 6.5.1G.2 Frequency error for V2X Communication / Simultaneous E-UTRA V2X sidelink and E-UTRA uplink transmissions | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183809 | 4311 | 1 | Update Annex F.3.2 for V2X test cases 6.3.5G.2 and 6.3.5G.3 according to R4-1805742 | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183813 | 4148 | 1 | Introduce HST-SFN into the Abbreviations of TS 36.521-1 | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183814 | 4318 | 1 | Update of SRS switching test case 6.3.5A.1.5 | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183815 | 4170 | 1 | Addition of new test case for Maximum input level for UE category 1Bis | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183816 | 4171 | 1 | LTE\_New test case 7.5EB Adjacent Channel Selectivity (ACS) for UE category 1bis | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183817 | 4172 | 1 | LTE\_New test case 7.6.1EB In-band blocking for UE category 1bis | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183818 | 4173 | 1 | LTE\_New test case 7.6.2EB Out-of-band blocking for UE category 1bis | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183819 | 4174 | 1 | LTE\_New test case 7.6.3EB Narrow band blocking for UE Category 1bis | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183820 | 4175 | 1 | LTE\_New test case 7.7EB Spurious response for UE category 1bis | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183821 | 4176 | 1 | LTE\_New test case 7.8.1EB Wide band Intermodulation for UE category 1bis | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183822 | 4177 | 1 | LTE\_New test case 7.9EB Spurious emissions for UE category 1bis | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183823 | 4229 | 1 | Update of TC 8.9.1.1.2\_1 FDD PDSCH Closed Loop Single Layer Spatial Multiplexing for UE category 1bis | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183824 | 4238 | 1 | Update of TC 8.9.1.2.2\_1 TDD PDSCH Closed Loop Single Layer Spatial Multiplexing for UE category 1bis | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183825 | 4314 | 1 | Addition of new CAT1Bis demod TC 8.9.2.2.1\_1 | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183826 | 4326 | 1 | Addition of UE category 1bis transmit quality test cases | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183831 | 4281 | 1 | Updated general clause to include Cat-M2 information | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183832 | 4282 | 1 | Updated RF TC 8.11.2.x to cover Cat-M2 requirement | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183833 | 4283 | 1 | Added RMC information for category M2 | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183835 | 4301 | 1 | Message Exceptions for LTE IM DLCCH EDPCCH Test Cases | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183836 | 4302 | 1 | Message Exceptions for LTE IM DLCCH PCFICH/PDCCH Test Cases | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183837 | 4303 | 1 | Message Exceptions for LTE IM DLCCH PHICH Test Cases | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183839 | 4156 | 1 | Correction to NB-IoT Configured UE transmitted power test 6.2.5F | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183840 | 4157 | 1 | Addition of Clause 6.2.5FA Configured UE transmitted Output Power for UE category NB1 and NB2 | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183841 | 4158 | 1 | Addition of Clause 6.2.3FA MPR for category NB1 and NB2 | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183842 | 4159 | 1 | Correction to Subclause 6.2.2F.3 and addition of Clause 6.2.2FA MOP for category NB1 and NB2 | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183843 | 4162 | 1 | Correction to Clause 6.2.3F MPR for category NB1 | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183853 | 4286 | 1 | Update of TCs 6.5.2A.1.2 and 6.5.2A.1.2\_1 for eLAA | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183861 | 4200 | 1 | Addition of new UL 256QAM test case - MPR for multi cluster | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183862 | 4201 | 1 | Addition of new UL 256QAM test case - A-MPR | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183863 | 4202 | 1 | Addition of new UL 256QAM test cases - Annex F | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183868 | 4315 | 1 | Addition of band 4, 14 and 71 for UE category M1 and NB1 to clause 6.2 | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183870 | 4218 | 1 | Addition of new TC 8.7.1.1\_H.4 | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183871 | 4245 | 1 | Introduction of TC 6.3.5A.2.4.2 Power Control Relative power tolerance for CA (inter-band 3DL CA and 3UL CA) | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183872 | 4250 | 1 | Introduction of TC 6.6.2.3A.4.1 Adjacent Channel Leakage power Ratio for CA (intra-band contiguous 3DL CA and 3UL CA) | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183873 | 4252 | 1 | Introduction of TC 6.6.2.3A.4.2 Adjacent Channel Leakage power Ratio for CA (inter-band 3DL CA and 3UL CA) | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183874 | 4256 | 1 | Introduction of TC 6.6.3.1A.4.1 Transmitter Spurious emissions for CA (intra-band contiguous 3DL CA and 3UL CA) | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183875 | 4258 | 1 | Introduction of TC 6.6.3.1A.4.2 Transmitter Spurious emissions for CA (inter-band 3DL CA and 3UL CA) | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183876 | 4292 | 1 | Introduction of Maximum Power Reduction (MPR) for CA (3UL CA) | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183877 | 4178 | 1 | LTE\_In Band Blocking test for 4DLCA combo CA\_40E and 5DLCA-2ULCA combo CA\_41F | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183878 | 4179 | 1 | LTE\_Out\_of\_Band\_Blocking for 4DLCA combo CA\_40E and 5DLCA-2ULCA combo CA\_41F | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183879 | 4195 | 1 | Update of TT in TC 6.5.2.3G.1 for V2V | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183880 | 4196 | 1 | Update of TT in TC 6.6.2.2G.1 for V2V | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183881 | 4209 | 1 | Update to Maximum Power Reduction (MPR) for V2X Communication / Power class 3 / Non-contiguous allocation of PSCCH and PSSCH / Non-concurrent with E-UTRA uplink transmissions | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183882 | 4220 | 1 | Addition of new TC 8.7.1.1\_H.5 | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183884 | 4266 | 1 | Correction to test procedure for CQI reporting test cases for CA | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183885 | 4190 | 1 | Update to Maximum Power Reduction (MPR) for V2X Communication / Power class 3 / Simultaneous E-UTRA V2X sidelink and E-UTRA uplink transmission | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183886 | 4191 | 1 | Introduction of Maximum Power Reduction (MPR) for V2X Communication / Power class 2 / Non-contiguous allocation of PSCCH and PSSCH / Non-concurrent with E-UTRA uplink transmissions | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183887 | 4192 | 1 | Update to Configured UE transmitted Output Power for V2X Communication / Simultaneous E-UTRA V2X sidelink and E-UTRA uplink transmission | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183888 | 4194 | 1 | Introduction of General ON/OFF time mask for V2X Communication / Simultaneous E-UTRA V2X sidelink and E-UTRA uplink transmissions | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183889 | 4182 | 1 | Introduction of New TC 6.5.2.1\_2 Error Vector Magnitude (EVM) for UL 256QAM | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183890 | 4183 | 1 | Introduction of New TC 6.5.2A.1.1\_2 EVM for CA (intra-band contiguous DL CA and UL CA) with UL 256QAM | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183891 | 4184 | 1 | Introduction of New TC 6.5.2A.1.2\_2 Error Vector Magnitude (EVM) for CA (inter-band DL CA and UL CA) for UL 256QAM | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183892 | 4185 | 1 | Introduction of New TC 6.5.2A.1.3\_2 Error Vector Magnitude (EVM) for CA (intra-band non-contiguous DL CA and UL CA) for UL 256QAM | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183897 | 4322 | 1 | Corrections to eMTC performance test cases | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183934 | 4334 | - | Update of V2V RF test cases for proper test mode setting | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183942 | 4293 | 2 | update of V2V RF TC | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183943 | 4333 | 1 | eLAA updates to Max power | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183944 | 4263 | 2 | Annex G update for NB-IOT demod test cases | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183945 | 4296 | 2 | Addition of new FDD SDR LAA test cases | 15.1.2 | 15.2.0 |
| 2018-06 | RAN#80 | R5-183946 | 4298 | 2 | Addition of new TDD SDR LAA test cases | 15.1.2 | 15.2.0 |
| 2018-09 | RAN#81 | R5-184066 | 4337 | - | Resubmission of the Annexes of TC 6.5.2.3G.1 for V2V | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184099 | 4339 | - | Introduction of band 73 to UE maximum output power in TS36.521-1 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184130 | 4341 | - | Introduction of band 73 to Spurious emission in TS36.521-1 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184177 | 4342 | - | Updation of V2X TC 6.6.2.1G.2 & 6.6.2.1G.3 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184238 | 4355 | - | Correction to LAA CQI reporting tests | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184240 | 4357 | - | Correction to cqi-pmi-ConfigurationIndex for 5DL CA CQI Reporting tests | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184242 | 4359 | - | Correction to p-Max in configured UE transmitted output power tests for CA | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184243 | 4360 | - | Removal of the editor’s note regarding the faders in 4x4 CA demod tests | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184244 | 4361 | - | Editorial correction to inter-band UL CA tests | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184246 | 4363 | - | Editorial correction to test points for 8.7.5.1 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184247 | 4364 | - | Correction to 4CA and 5CA PDSCH demodulation tests | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184249 | 4366 | - | Editorial correction to Table 6.2.5.3-3 Delta TIB (three bands) | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184250 | 4367 | - | Correction to Test Tolerance for 4DL and 5DL Reference Sensitivity Test | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184252 | 4369 | - | Correction of connection diagram for 4Rx 3CC/4CC/5CC Rx tests | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184253 | 4370 | - | Clarify the definition of active time slot in out of band and spurious emission tests | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184254 | 4371 | - | Editorial correction to test points for CA\_2A-12A-66A in 7.3A.5 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184285 | 4375 | - | Addition of REFSENS test configuration of CA\_1A-3A-7A-8A | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184313 | 4376 | - | Demodulation test case 8.11.1.1.1 and 8.11.1.1.2 updated for category M2 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184316 | 4377 | - | Update of TDD-FDD CA PDSCH Closed Loop Single Layer Spatial Multiplexing 2x4 with TM4 Interference Model-Enhanced Performance Requirement Type A (2DL CA) | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184317 | 4378 | - | Update of TDD-FDD CA PDSCH Single-layer Spatial Multiplexing 2x4 on antenna ports 7 or 8 with TM9 Interference Model-Enhanced Performance Requirement Type A (2DL CA) | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184374 | 4382 | - | Update of TC 8.9.1.2.2\_1 TDD PDSCH Closed Loop Single Layer Spatial Multiplexing for UE category 1bis | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184380 | 4383 | - | New feMTC test case 7.5EC Adjacent Channel Selectivity (ACS) for UE category M2 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184381 | 4384 | - | New feMTC test case 7.6.1EC In-band blocking for UE category M2 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184382 | 4385 | - | New feMTC test case 7.6.3EC Narrow band blocking for UE category M2 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184383 | 4386 | - | New feMTC test case 7.8.1EC Wide band intermodulation for UE category M2 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184384 | 4387 | - | Update of Annexes F.1.3 and F.3.3 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184385 | 4388 | - | Update of TC 6.6.2.3A.4 Adjacent Channel Leakage power Ratio for CA (3UL CA) | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184388 | 4389 | - | Update of TC 6.6.3.1A.4 Transmitter Spurious emissions for CA ( 3UL CA) | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184396 | 4391 | - | New CA band combination CA\_8A-27A - Updates of 7.3A Refsens | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184412 | 4395 | - | Update to test case 6.5.2A.1.4 for 3UL CA | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184413 | 4396 | - | Update to test case 6.5.2A.2.4 for 3UL CA | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184414 | 4397 | - | Update to test case 6.5.2A.3.4 for 3UL CA | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184415 | 4398 | - | Update to test case 7.6.3A.8 and 7.8.1A.8 for 5DL CA | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184416 | 4399 | - | Cleanning up SDR test cases for 4CC and 5CC using UL RMC | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184417 | 4400 | - | Update to Performance test cases for LTE DL CA 4 Rx antenna ports | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184539 | 4410 | - | Update of DL256QAM RF test cases 7.4A.7\_H,7.4A.8\_H,8.7.1.1\_H.4 and 8.7.1.1\_H.5 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184540 | 4411 | - | Update MU and TT of V2X test case 6.5.1G.2 Frequency error for V2X Communication / Simultaneous E-UTRA V2X sidelink and E-UTRA uplink transmissions | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184541 | 4412 | - | Correction to eMTC tc 6.2.2EA, UE Maximum Output Power for UE category M1 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184557 | 4420 | - | Addition of new UL 256QAM test case - A-MPR for 2UL CA inter-band | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184558 | 4421 | - | Addition of new UL 256QAM test case - Annex F | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184559 | 4422 | - | Updates to feMTC tc 6.2.2EC UE Maximum Output Power for UE category M2 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184585 | 4423 | - | Updated test requirement to RF clause 7 test cases for CA band | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184586 | 4424 | - | Align CA information in clause 5 with TS36.101 v15.3.0 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184604 | 4427 | - | Introduction of new test case TC 6.6.2.2A.4 Additional Spectrum Emission Mask for CA (3UL CA) | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184639 | 4430 | - | CA\_1A-3A-26A(1UL) –Updates of 7.3A.5 REFSENS | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184644 | 4433 | - | Editorial: Cleaning up the style of Annex B.4.1A in TS 36.521-1 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184647 | 4435 | - | Correction of test requirements in 7.3.5A REFSENSE | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184650 | 4437 | - | Editorial correction of Table 7.6.3A.5.4.1-1 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184651 | 4438 | - | Update of TC8.12.1.1.3 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184660 | 4444 | - | Update to Maximum Power Reduction (MPR) for V2X Communication / Power class 3 / Contiguous allocation of PSCCH and PSSCH / Non-concurrent with E-UTRA uplink transmissions | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184695 | 4448 | - | Resubmission of update of TC8.13.3.6.1 and 8.13.3.6.2 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184728 | 4451 | - | Update of TC7.6.2G.1 Out-of-band blocking for V2X Communication | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184729 | 4452 | - | Update of TC 7.8.1G.1 Wide band Intermodulation for V2X | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184733 | 4453 | - | Update of TC7.9G Spurious emissions for V2X | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184762 | 4455 | - | Aligning CA delta TiB in sub-clause 6.2.5.3 with TS 36.101 v15.3.0 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184764 | 4456 | - | Aligning CA delta RiB in sub-clause 7.3.3 with TS 36.101 v15.3.0 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184797 | 4459 | - | Clarification for chapter 8 & 9 general sections | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184811 | 4462 | - | Correction to Note 1 of Table 7.3A.0-0bB Reference sensitivity level for CA | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184812 | 4463 | - | Correction to Power Control for CA Test Procedure of TCs 6.3.5A.1.1, 6.3.5A.1.2 and 6.3.5A.1.4 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184818 | 4464 | - | Correction to Message Content for TC 6.2.4EA A-MPR for UE Category M1 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184832 | 4465 | - | Addition of Test point and test requirements for CA\_3A-41A, 41A-42A,3A-42A spurious test cases | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184839 | 4467 | - | Update of TDD PDSCH Closed Loop Multi Layer Multiplexing 4x2 for CA (5DL CA) | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184840 | 4468 | - | Update of TX Minimum Ouput Power for CA (3UL CA) | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184842 | 4470 | - | Introduction of Maximum Power Reduction (MPR) for CA (3UL CA) | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184844 | 4472 | - | Addition of new 2CA band combination for CA REFSENS | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184886 | 4483 | - | LTE\_New test case 6.2.2EB UE Maximum Output Power for UE category 1bis | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184935 | 4485 | - | Cat1bis new RF test case: Occupied bandwidth for UE category 1bis | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184936 | 4486 | - | Cat1bis new RF test case: Spectrum Emission Mask for UE category 1bis | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184937 | 4487 | - | Cat1bis new RF test case: Additional Spectrum Emission Mask for UE category 1bis | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184938 | 4488 | - | Cat1bis new RF test case: Adjacent Channel Leakage power Ratio for UE category 1bis | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184939 | 4489 | - | Cat1bis new RF test case: Spurious emission for UE category 1bis | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184941 | 4491 | - | Editorial correction of NS requirements | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-184991 | 4494 | - | Correction to Reference sensitivity level for CA UL Allocation in Table 7.3A.1.4.1-1 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185174 | 4457 | 1 | Reference sensitivity requirements for CA\_66A-66A-70C-71A, CA\_66A-66A-70A-71A, CA\_66A-70C-71A, CA\_66A-70A-71A, CA\_66A-66A-71A, CA\_70A-71A, CA\_66A-71A, CA\_66C-70C-71A, CA\_66C-70A-71A, CA\_70C-71A, CA\_66C-71A | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185175 | 4492 | 1 | Update 3UL CA test cases 6.2.2A.4 and 6.5.1A.4 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185176 | 4493 | 1 | Update to test configuration tables and requirement tables for 12A-66A 2ULCA test cases. | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185185 | 4380 | 2 | Band 41 HPUE Maximum Output Power | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185186 | 4484 | 1 | 4Rx support in some 4DL CA and 5DL CA Demodulation test cases | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185330 | 4497 | - | Addition of test points for UL-CA\_4A-12A in TC 6.3.2A.2 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185331 | 4498 | - | Addition of test points for UL-CA\_4A-12A in TC 6.3.5A.2.2 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185343 | 4340 | 1 | New CA band combination CA\_1A-3A-7A-20A - Update of table 7.3A.5, 7.3A.9 and refsens | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185354 | 4346 | 1 | Update of V2V TCs 6.5.2.3G.1 & 6.5.2.4G & 6.6.2.2G.1& 6.6.3G.1 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185355 | 4401 | 1 | Update to test case 6.3.2G.1 for V2V services based on LTE sidelink | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185356 | 4439 | 1 | Update of Additional Maximum Power Reduction (A-MPR) for V2X Communication / Non-concurrent with E-UTRA uplink transmissions | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185357 | 4445 | 1 | Update to Annex G for V2V/V2X Demod Perf tests | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185358 | 4454 | 1 | Update of multiple V2V RF test cases for proper test mode setting | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185360 | 4348 | 1 | Update of V2X TCs 6.6.3G.2\_1 & 6.6.3G.3\_1 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185361 | 4349 | 1 | Update of V2X TCs 6.6.3G.2 & 6.6.3G.3 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185362 | 4350 | 1 | Correction to 36521-1-chapter 6\_V2V and V2X | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185363 | 4372 | 1 | Cleaning up V2X test cases in TS 36.521-1 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185364 | 4402 | 1 | Update to test case 6.3.2G.2 for LTE-based V2X Services | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185365 | 4403 | 1 | Update to test case 6.3.2G.3 for LTE-based V2X Services | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185366 | 4413 | 1 | Update of V2X test case 6.7G.2 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185367 | 4414 | 1 | Addition of new TC 6.6.2.3G.2 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185368 | 4415 | 1 | Introduction of new V2X test case 6.5.2.1G.2 Error Vector Magnitude (EVM) for V2X Communication / Simultaneous E-UTRA V2X sidelink and E-UTRA uplink transmissions | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185369 | 4416 | 1 | Introduction of new V2X test case 6.5.2.1G.3 Error Vector Magnitude (EVM) for V2X Communication / Intra-band contiguous multi-carrier operation | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185370 | 4440 | 1 | Update to Additional Maximum Power Reduction (A-MPR) for V2X Communication / Simultaneous E-UTRA V2X sidelink and E-UTRA uplink transmissions | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185371 | 4458 | 1 | Updates to Align Initial Conditions with Other V2X Test Cases | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185372 | 4474 | 1 | Update of V2X Receiver Test Cases | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185375 | 4356 | 1 | Correction to 4x4 CA demodulation tests | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185377 | 4475 | 1 | TS 36.521-1 Annex F update for UE cat 1bis test cases | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185378 | 4476 | 1 | LTE\_New test case LTE\_New test case 6.3.4EB ONOFF time mask for UE category 1bis | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185379 | 4477 | 1 | LTE\_New test case 6.3.5EB Power Control for UE category 1bis | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185380 | 4479 | 1 | LTE\_New test case 6.3.2EB Minimum Output Power for UE category 1bis | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185381 | 4481 | 1 | LTE\_New test case 6.2.4EB Additional Maximum Power Reduction (A-MPR) for UE category 1bis | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185382 | 4478 | 1 | LTE\_New test case 6.3.3EB UE Transmit OFF power for UE category 1bis | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185383 | 4480 | 1 | LTE\_New test case 6.2.5EB Configured UE transmitted Power for UE category 1bis | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185384 | 4482 | 1 | LTE\_New test case 6.2.3EB Maximum Power Reduction (MPR) for UE category 1bis | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185385 | 4490 | 1 | Cat1bis new RF test case: Transmit intermodulation for UE category 1bis | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185387 | 4434 | 1 | Introduction of FDD PDSCH Single-layer Spatial Multiplexing for FD-MIMO | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185388 | 4436 | 1 | Introduction of TDD PDSCH Single-layer Spatial Multiplexing for FD-MIMO | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185406 | 4431 | 1 | Introduction of Additional spurious emissions for UL 256QAM | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185426 | 4379 | 1 | New test case: 6.2.3A.3\_2, Maximum Power Reduction (MPR) for CA (intra-band non-contiguous DL CA and UL CA) for UL 256QAM | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185427 | 4449 | 1 | New UL 256QAM test case: 6.6.2.2\_2 Additional Spectrum Emission Mask for UL 256QAM | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185431 | 4351 | 1 | eLAA\_correction to 6.3.5A.1.2 and 6.3.5A.2.2 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185432 | 4353 | 1 | eLAA\_Update to 6.6.3.1A.2 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185433 | 4447 | 1 | eLAA: Updates to Adjacent Channel Leakage power Ratio for CA | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185434 | 4419 | 1 | Addition of new UL 256QAM test case - A-MPR for 2UL CA intra-band contiguous | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185435 | 4418 | 1 | Correction of test points and test requirements for TC 6.2.4A.2\_1 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185436 | 4417 | 1 | Correction of test points and test requirements for TC 6.2.4A.2 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185438 | 4343 | 1 | Introduction of V2X TC 6.5.2.4G.3 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185439 | 4344 | 1 | Updation of V2X TC 6.6.2.2G.2 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185440 | 4345 | 1 | Updation of V2X TCs 6.5.2.3G.2 and 6.5.2.3G.3 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185441 | 4347 | 1 | TT statements for V2X TCs | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185448 | 4461 | 1 | Corrections to A-MPR values for NS\_27 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185450 | 4358 | 1 | Correction to message exception for 8.2.1.4.2\_A.4 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185451 | 4362 | 1 | Editorial correction to RMC name in PHICH demodulation test | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185452 | 4365 | 1 | Corrections to CA Test Configuration Table in section 7 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185493 | 4373 | 1 | Correction of test configuration of CA\_20A-42A REFSENS | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185494 | 4374 | 1 | Update of 7.3A.5 REFSENS for Rel-13 CA configurations | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185497 | 4392 | 1 | New test case 6.3.5FA.1 Power Control Absolute power tolerance for category NB1 and NB2/Power Class 6 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185498 | 4393 | 1 | New test case 6.3.5FA.2 Power Control Relative power tolerance for category NB1 and NB2/Power Class 6 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185499 | 4394 | 1 | New test case 6.3.5FA.3 Aggregate power control tolerance for category NB1 and NB2/Power Class 6 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185506 | 4473 | 1 | Addition of new 3CA band combination for CA REFSENS | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185508 | 4469 | 1 | Introduction of Additional Maximum Power Reduction (A-MPR) for CA (3UL CA) | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185509 | 4471 | 1 | Introduction of General ON/OFF time mask for CA (3UL CA) | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185514 | 4408 | 1 | Updates of receiver test cases for CA\_XA-YE | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185515 | 4409 | 1 | Updates of receiver test cases for CA\_XA-YD | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185517 | 4390 | 1 | Updates of Band 74 information about Tx test cases in TS 36.521-1 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185522 | 4338 | 1 | Update Clause in 6.2.5EA Configured UE transmitted Power for UE category M1 | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185530 | 4446 | 1 | Clarification on frame structure in 4Rx performance and CSI test principles sections | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185535 | 4443 | 1 | Update to General ON/OFF time mask for V2X Communication / Simultaneous E-UTRA V2X sidelink and E-UTRA uplink transmissions | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185538 | 4425 | 1 | Introduction of new test case TC 6.2.5A.4 Configured UE transmitted Output Power for CA (3UL CA) | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185539 | 4426 | 1 | Introduction of new test case TC 6.6.2.1A.4 Spectrum emission mask for CA (3UL CA) | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185540 | 4429 | 1 | Update of test case TC 6.7A.4 "Transmit intermodulation for CA (3DL CA and 3UL CA)" | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185542 | 4432 | 1 | CA\_3A-18A - Updates of some Tx test cases | 15.2.0 | 15.3.0 |
| 2018-09 | RAN#81 | R5-185185 | 4380 | 2 | fix wrong change of R5-185185 | 15.3.0 | 15.3.1 |
| 2018-12 | RAN#82 | R5-186580 | 4528 | - | Update NB-IOT Spurious Emission UE co-existence | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-186582 | 4530 | - | Update the 6.2.3FA to reduce test points | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-186583 | 4531 | - | Update Rel-14 NB-IOT Tx test cases to support category NB2 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-186584 | 4532 | - | Update Rel-14 NB-IOT Rx test cases to support category NB2 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-186588 | 4533 | - | Update 8.1.2.2 Definition of CA capability for 4DL and 5DL CA | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-186589 | 4534 | - | Update 4DL and 5DL performance test cases (Editorial) | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-186590 | 4535 | - | Addition of Statistic information for 4DL and 5DL test cases | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-186693 | 4538 | - | Update of V2X EVM TCs | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187004 | 4540 | - | Update 6.2.4G.1 the V2V AMPR test case to remove brackets and add Power Class 2 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187049 | 4541 | - | Editorial correction to 4CA and 5CA ACS test cases | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187050 | 4542 | - | Editorial correction to 5DL CA blocking tests | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187054 | 4546 | - | Editorial correction to 6.6.3.1A.2 Transmitter Spurious emissions for CA | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187056 | 4548 | - | Correction to 6.2.5A.3 Configured UE transmitted Output Power for CA | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187060 | 4550 | - | Correction to 4x4 CA demodulation tests | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187062 | 4551 | - | Correction to Minimum Test time for 8.12.1.1.2 Demodulation of NPDSCH | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187065 | 4552 | - | Removal of TC 7.3F.2 Reference sensitivity level with repetition for Category NB1 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187066 | 4553 | - | Correction to LAA CQI tests | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187068 | 4554 | - | Correction to 6.6.3.3A.2 Additional spurious emissions for CA | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187069 | 4555 | - | Correction to 6.2.4A.2 Additional Maximum Power Reduction (A-MPR) for CA | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187072 | 4558 | - | Correction to 2x4 CA demodulation tests | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187092 | 4569 | - | Introduction of New test case 6.6.2.2A.1\_2 Additional Spectrum Emission Mask for CA (intra-band contiguous DL CA and UL CA) for UL 256QAM | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187093 | 4570 | - | Introduction of New test case 6.6.2.2A.2\_2 Additional Spectrum Emission Mask for CA (inter-band DL CA and UL CA) for UL 256QAM | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187094 | 4571 | - | Update to Tx test cases for UL 256QAM | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187096 | 4572 | - | Update to 3 Tx test case for 3UL CA | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187143 | 4580 | - | Align CA information in clause 5 with TS36.101 v15.4.0 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187145 | 4582 | - | Updated test requirement to RF clause 7 test cases for CA band | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187147 | 4584 | - | Correction to test configuration table for CA band combination | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187154 | 4585 | - | Added applicability of requirements for UEs supporting coverage enhancement | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187182 | 4586 | - | Clarification for Cat-M1 Reference Sensitivity Test Requirement | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187192 | 4590 | - | Change of test point applicability in TC 6.2.4\_2 due to 256QAM support | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187193 | 4591 | - | Change of test point applicability in TC 6.6.2.2\_1 due to 256QAM support | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187195 | 4592 | - | Change of test point applicability in TC 6.6.2.3\_4 due to 256QAM support | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187197 | 4594 | - | Change of test point applicability in TC 6.6.3.3\_1 due to 256QAM support | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187202 | 4596 | - | Addition of new UL 256QAM test case - MPR for intra-band contiguous | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187205 | 4598 | - | Addition of new UL 256QAM test case - ACLR for multi cluster | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187210 | 4600 | - | Addition of new UL 256QAM test case - ALCR for intra-band contiguous | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187212 | 4602 | - | Addition of new UL 256QAM test case - ACLR for inter-band | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187291 | 4603 | - | CA\_3A-28A - Updates of some Tx test cases | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187293 | 4604 | - | CA\_11A-18A - Updates of some Tx test cases | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187295 | 4605 | - | CA\_3A-41A-42C(1UL) - Updates of 7.3A.9 REFSENS | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187298 | 4606 | - | CA\_3A-41C-42A(1UL) - Updates of 7.3A.9 REFSENS | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187300 | 4607 | - | CA\_3A-41C-42C(1UL) - Updates of 7.3A.10 REFSENS | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187322 | 4609 | - | Correction to clause 9.1.1.4.2 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187329 | 4611 | - | Introduction of Additional spurious emissions for UL 256QAM | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187335 | 4614 | - | Test points and test requirements in TC 7.3A.9 for CA\_2A-66C-71A and CA\_2C-66A-66A | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187340 | 4615 | - | Introduction of CA\_2A-66C-71A in Rx test cases | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187343 | 4616 | - | Correction of applicability statement in TC 6.2.4A.1 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187344 | 4617 | - | Addition of new Rel-14 CA configurations into REFSENS test | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187345 | 4618 | - | Addition of new Rel-15 CA configurations into REFSENS test | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187346 | 4619 | - | Correction of applicability in TC 6.6.2.2A.2 and TC.6.6.3.3A.2 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187347 | 4620 | - | Correction for test procedure step 4 in TC 6.6.3.3A.1 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187349 | 4622 | - | Correction for test procedure in TC 6.6.3.3A.1\_1 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187350 | 4623 | - | Correction for test procedure in TC 6.6.3.3A.2\_1 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187363 | 4626 | - | Corrections to TC 7.3A.5 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187364 | 4627 | - | Correction to general clause 7.1 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187365 | 4628 | - | Corrections to eMTC CQI Test Cases | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187389 | 4630 | - | Removing editor’s note in FDD 5DL CA test cases | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187473 | 4631 | - | MU for UL 256QAM EVM test cases updated | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187476 | 4632 | - | Introduction of FD-MIMO test case: FDD PMI Reporting with 12Tx Class A codebook – PUSCH 3-1 (Single PMI) for FD-MIMO | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187535 | 4637 | - | Update the parameters to test cases 7.6.1A.1, 7.6.1A.2, 7.6.1A.3 and 7.6.1A.4 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187541 | 4640 | - | Update test case to cover band 46 for test cases 7.5A.7 and 7.5A.8 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187861 | 4629 | 1 | Update of V2X RF Receiver Test Cases for Intra-band contiguous | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187862 | 4560 | 1 | Editorial: 6.2.2EC, UE Maximum Output Power for UE category M2 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187871 | 4638 | 1 | Update test case to cover band 46 for test cases 7.6.1A.7 and 7.6.1A.8 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187872 | 4639 | 1 | Update to test cases 7.6.1A.5 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187873 | 4561 | 1 | Introduction of tc 6.2.3EC, Maximum Power Reduction (MPR) for UE category M2 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187874 | 4562 | 1 | Introduction of tc 6.2.5EC Configured UE transmitted Power for UE category M2 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187875 | 4563 | 1 | Introduction of tc 6.3.2EC, Minimum Output Power for UE category M2 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187876 | 4564 | 1 | Introduction of tc 6.3.3EC, UE Transmit OFF power for UE category M2 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187877 | 4565 | 1 | Introduction of 6.3.4EC.1, General ON/OFF time mask for UE category M2 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187878 | 4566 | 1 | Introduction of 6.3.5EC.1, Power Control Absolute power tolerance for UE category M2 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187879 | 4567 | 1 | Introduction of 6.3.5EC.2, Power Control Relative power tolerance for UE category M2 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187880 | 4568 | 1 | Introduction of 6.3.5EC.3, Aggregate power control tolerance for UE category M2 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187916 | 4547 | 1 | Editorial correction to 6.5.1A.2 Frequency error for CA | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187917 | 4556 | 1 | Correction to 6.2.4A.2\_1 and 6.6.2.2A.2\_1 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187918 | 4543 | 1 | Correction to the test configuration table of 7.3A.6 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187940 | 4499 | 1 | Addition of new Test Configuration on TC 6.2.2A.2 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187941 | 4500 | 1 | Addition of new Test Configuration on TC 6.2.3A.2 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187942 | 4501 | 1 | Addition of new Test Configuration on TC 6.2.3A.2\_1 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187943 | 4502 | 1 | Addition of new Test Configuration on TC 6.2.4A.2 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187944 | 4504 | 1 | Addition of new Test Configuration on TC 6.2.5A.3 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187945 | 4505 | 1 | Addition of new Test Configuration on TC 6.3.4A.1.2 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187946 | 4506 | 1 | Addition of new Test Configuration on TC 6.3.5A.1.2 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187947 | 4507 | 1 | Addition of new Test Configuration on TC 6.3.5A.3.2 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187948 | 4509 | 1 | Addition of new Test Configuration on TC 6.5.2A.1.2 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187949 | 4510 | 1 | Addition of new Test Configuration on TC 6.5.2A.1.2\_1 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187950 | 4511 | 1 | Addition of new Test Configuration on TC 6.5.2A.2.2 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187951 | 4512 | 1 | Addition of new Test Configuration on TC 6.5.2A.3.2 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187952 | 4513 | 1 | Addition of new Test Configuration on TC 6.6.1A.2 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187953 | 4514 | 1 | Addition of new Test Configuration on TC 6.6.2.1A.2 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187954 | 4515 | 1 | Addition of new Test Configuration on TC 6.6.2.2A.2\_1 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187955 | 4517 | 1 | Addition of new Test Configuration on TC 6.6.2.3A.2 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187956 | 4518 | 1 | Addition of new Test Configuration on TC 6.6.2.3A.2\_1 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187957 | 4519 | 1 | Addition of new Test Configuration on TC 6.6.3.1A.2 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187958 | 4520 | 1 | Addition of new Test Configuration on TC 6.7A.2 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187963 | 4529 | 1 | Update the general sections for Rel-14 NB-IOT (Editorial) | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187965 | 4593 | 1 | Aligning CA delta TiB in sub-clause 6.2.5.3 with TS 36.101 v15.4.0 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187966 | 4595 | 1 | Aligning CA delta RiB in sub-clause 7.3.3 with TS 36.101 v15.4.0 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187967 | 4624 | 1 | Correction in TC 7.3A.3 for CA configuration CA\_2A-71A | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187968 | 4625 | 1 | Correction in TC 7.3A.5 for CA configuration CA\_2A-66A-71A | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187970 | 4587 | 1 | Change of applicability in UL 64QAM MPR and A-MPR tests due to UL 256QAM support | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187971 | 4588 | 1 | Change of applicability in UL 64QAM A-SEM and ACLR and Additional spurious tests due to UL 256QAM support | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187972 | 4597 | 1 | Addition of new UL 256QAM test case - MPR for inter-band | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187973 | 4612 | 1 | Addition of new UL 256QAM test case - Annex F | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187974 | 4537 | 1 | Introduction of Power Class 1 for B31 and B72 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187977 | 4536 | 1 | Introduction of the support of ProSe for B72 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187979 | 4521 | 1 | Correction to TC 7.7B Spurious response for UL-MIMO | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187980 | 4635 | 1 | Updating test case 6.2.4A.2 Additional Maximum Power Reduction (A-MPR) for CA (inter-band DL CA and UL CA) | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187984 | 4579 | 1 | Updated RF clause 9.8 to cover Cat-M2 requirement | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187988 | 4581 | 1 | Align CA information in clause 7.3A.0 with TS36.101 v15.4.0 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187990 | 4610 | 1 | Update of test case 9.6.1.1\_A.4 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187991 | 4539 | 1 | Alignment of 256QAM EVM Test Tolerance between LTE and NR | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-187992 | 4634 | 1 | Updating test case 6.6.2.2 Additional spectrum emission mask and test case 6.6.3.3 Additional spurious emission | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-188040 | 4608 | 1 | Correction of RB allocation for 3DL\_CA\_1A-3A-41A | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-188051 | 4559 | 1 | Correction to the MU for UL CA | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-188066 | 4573 | 2 | Update TC 6.6.3G.2\_1 | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-188233 | 4633 | 1 | Introduction of FD-MIMO test cases in Annexes | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-188234 | 4574 | 1 | Maximum Output Power for CA | 15.3.1 | 15.4.0 |
| 2018-12 | RAN#82 | R5-188235 | 4641 | 1 | MPR for CA (intra-band contiguous DL CA and UL CA) | 15.3.1 | 15.4.0 |
| 2019-03 | RAN#83 | R5-191106 | 4645 | - | Incorrect numbering in minimum conformance requirements of TC 6.6.1 | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-191107 | 4646 | - | Missing message contents exceptions in TC 6.2.4EA | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-191114 | 4653 | - | Addition of new UL feMTC test cases - Annex F | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-191146 | 4654 | - | Incorrect numbering in minimum conformance requirements of TC 6.6.1EA | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-191158 | 4655 | - | Table format correction to E-UTRA operating bands table | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-191171 | 4658 | - | Update of TCs 6.6.3G.2 & 6.6.3G.2\_1 | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-191173 | 4660 | - | Addition of TT statement for TCs 6.6.3G.2 & 6.6.3G.2\_1 & 6.6.3G.2\_2 | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-191232 | 4661 | - | Test tolerance and MU update for UE category 1bis transmit signal quality test cases | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-191238 | 4662 | - | Editorial Correction of UE Category 1bis Rx test cases | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-191239 | 4663 | - | Editorial Correction of title of TC 6.5.2.1EB | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-191278 | 4665 | - | Editorial Correction - Alignment of CQI Index to MCS Mapping to TS 36.101 | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-191282 | 4666 | - | Adding test case 6.6.2.3A.3\_2, Adjacent Channel Leakage power Ratio for CA (intra-band non-contiguous DL CA and UL CA) for UL 256QAM | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-191765 | 4690 | - | Introduction of Additional spurious emissions for UL 256QAM | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-191772 | 4691 | - | Correction to 6.3.3F test tolerance | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-191773 | 4692 | - | Correction to the test procedure of 6.5.2A.3.2 In-band emission with inter-band UL CA | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-191774 | 4693 | - | Correction to connection diagram for 6.6.3F.1 | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-191775 | 4694 | - | Correction to the note in delta RIB table | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-191776 | 4695 | - | Update 4DL CA Rx tests to support LAA band | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-191778 | 4697 | - | Correction to 3DL CA Name/Release mapping table | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-191779 | 4698 | - | Correction to UL RB number for NS\_27 in A-MPR test | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-191780 | 4699 | - | Correction to test requirements in A-MPR for intra-band contiguous UL CA | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-191782 | 4701 | - | Correction to test configuration for CA\_3A-28A in 6.6.3.2A.2 Spurious emission band UE co-existence for CA | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-191783 | 4702 | - | Adding test configuration for CA\_1A-3A-7A-20A in 7.3A.9 | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-191785 | 4704 | - | Editorial correction to 6.3.4A.1.4 | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-191786 | 4705 | - | Editorial correction to demodulation tests for 4Rx CA | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-191787 | 4706 | - | Core alignment of RMC table for TM9 CSI-RS | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-191870 | 4711 | - | RB\_correction in 6.6.3G.1 of TS36.521-1 | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-191976 | 4717 | - | Introduction of band 73 to Reference sensitivity level in TS36.521-1 | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-191997 | 4718 | - | Update to non-anchor carrier requirement for demod test cases. | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-192050 | 4721 | - | Adding test case 6.5.2.1EC.1, Error Vector Magnitude (EVM) for UE category M2 | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-192071 | 4722 | - | Editorial Correction in TC 7.3A.3 | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-192073 | 4724 | - | Correction to dual layer spatial multiplexing TCs | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-192090 | 4726 | - | Incorporating Test Tolerance into Test requirement for IM-DLCCH PCFICH-PDCCH Type A TCs | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-192093 | 4727 | - | Update to test cases 6.2.2\_1 and 6.2.3\_1 in F.3.2 | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-192094 | 4728 | - | Incorporating Test Tolerance into Test requirement for IM-DLCCH PCFICH-PDCCH Type B TCs | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-192096 | 4729 | - | Incorporating Test Tolerance into Test requirement for IM-DLCCH PHICH Type A TCs | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-192098 | 4730 | - | Incorporating Test Tolerance into Test requirement for IM-DLCCH PHICH Type B TCs | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-192100 | 4731 | - | Incorporating Test Tolerance into Test requirement for IM-DLCCH PEDPCCH Type A TCs | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-192102 | 4732 | - | Test Tolerance and MU update for Interference Mitigation for Downlink Control Channels Demod TCs | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-192111 | 4734 | - | Updating test case 6.2.4 Table 6.2.4.4.1-24 | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-192126 | 4736 | - | Editorial Correction in TC 7.3A.9 | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-192182 | 4738 | - | Addition of CQI Reporting under AWGN conditions with PUCCH 1-1 for FD-MIMO with channelMeasRestriction configured | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-192446 | 4714 | 1 | Addition and correction of CA configuration for 3DL CA | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-192447 | 4715 | 1 | Addition of CA configuration for 4DL CA | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-192511 | 4672 | 1 | Updates of Rel-14 CA combinations | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-192512 | 4659 | 1 | Update of TC 6.6.3G.2\_2 | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-192513 | 4712 | 1 | Modification of Max Throughput averaging periodicity in A.8.2 | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-192514 | 4719 | 1 | Introduction of 4Rx TDD FDD CA TM9 demodulation test cases | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-192515 | 4720 | 1 | Introduction of 4Rx TDD FDD CA TM9 demodulation test cases in Annex | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-192517 | 4644 | 1 | Clarification of usage of narrowband index in feMTC test cases | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-192518 | 4647 | 1 | Addition of new feMTC test case - OBW for category M2 | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-192519 | 4648 | 1 | Addition of new feMTC test case - SEM for category M2 | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-192520 | 4649 | 1 | Addition of new feMTC test case - ACLR for category M2 | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-192521 | 4650 | 1 | Addition of new feMTC test case - transmitter spurious emissions for category M2 | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-192522 | 4651 | 1 | Addition of new feMTC test case - spurious co-existence for category M2 | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-192523 | 4652 | 1 | Addition of new feMTC test case - transmit intermodulation for category M2 | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-192524 | 4671 | 1 | Adding test case 6.5.1EC, Frequency Error for UE category M2 | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-192532 | 4737 | 1 | Introduction of FD-MIMO test cases: Reporting of CSI-RS Resource Indicator (CRI) | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-192533 | 4670 | 1 | Shared Risk clarification in TS 36.521-1 | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-192536 | 4725 | 1 | Introduction to band 73 to Blocking characteristics in TS36.521-1 | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-192540 | 4723 | 1 | Correction to NB-IoT Minimum Output Power TC | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-192552 | 4716 | 1 | Update to CBSR configuration for 4 TX test cases | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-192595 | 4733 | 1 | Updating test case 6.2.3A.2 | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-192848 | 4667 | 2 | Update the applicability of RF test cases related to FGI bits 103 and 104 | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-192633 | 4668 | 1 | Correction to CA\_2A-5B-66A-66A configuration in TC7.3A.10 | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-192643 | 4696 | 1 | Clean up for Inter-band UL CA Tx Test Cases | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-192644 | 4700 | 1 | Correction to 6.6.2.2A.2 Additional Spectrum Emission Mask for CA | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-192664 | 4707 | 1 | Introduction of Maximum Power Reduction (MPR) for CA (3UL CA) | 15.4.0 | 15.5.0 |
| 2019-03 | RAN#83 | R5-191064 | 4642 | - | Aligning CA delta TiB in sub-clause 6.2.5.3 with TS 36.101 v16.0.0 | 15.5.0 | 16.0.0 |
| 2019-03 | RAN#83 | R5-191065 | 4643 | - | Aligning CA delta RiB in sub-clause 7.3.3 with TS 36.101 v16.0.0 | 15.5.0 | 16.0.0 |
| 2019-03 | RAN#83 | R5-191159 | 4656 | - | Align CA information in clause 5 with TS36.101 v16.0.0 | 15.5.0 | 16.0.0 |
| 2019-03 | RAN#83 | R5-191160 | 4657 | - | Align clause 7.3A.0 with TS36.101 v16.0.0 | 15.5.0 | 16.0.0 |
| 2019-03 | RAN#83 | R5-192634 | 4710 | 1 | CA\_18A-42A - Updates of 7.3A.3 REFSENS | 15.5.0 | 16.0.0 |
| 2019-03 | RAN#83 | R5-192635 | 4713 | 1 | CA\_3A-18A-42A - Updates of 7.3A.5 REFSENS | 15.5.0 | 16.0.0 |
| 2019-03 | RAN#83 | R5-192639 | 4669 | 1 | Band 53 introduction in TS 36.521-1 | 15.5.0 | 16.0.0 |
| 2019-06 | RAN#84 | R5-193592 | 4739 | - | Correction of the reference table number of uplink configuration | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-193604 | 4740 | - | Introduction of LTE Band 85 in clause 5 | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-193605 | 4741 | - | Introduction of Band 85 for UE category M1 and M2 in clause 5.2E | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-193606 | 4742 | - | Introduction of Band 85 for UE category NB1 and NB2 in clause 5.2F | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-193673 | 4745 | - | Introduction of Band 85 for UE category NB1 and NB2 in transmit power test cases in clause 6.2 | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-193674 | 4746 | - | Introduction of LTE Band 85 in spurious emission test cases in clause 6.6 | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-193675 | 4747 | - | Introduction of LTE Band 85 in reference sensitivity test case 7.3 | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-193679 | 4750 | - | Introduction of LTE Band 85 in In-band blocking and Out-of-band blocking test cases 7.6.1 and 7.6.2 | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-193711 | 4751 | - | CA\_1A-3A-41C - Updates of 7.3A.9 REFSENS | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-193950 | 4759 | - | Updating general demodulation clause for category M2 | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-193952 | 4760 | - | Updates to 8.11.1.1.3.2, FDD and half-duplex FDD PDSCH Transmit Diversity 2x1 for UE category M2 | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-193958 | 4762 | - | Updates to Annex G for category M2 test cases | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-193970 | 4763 | - | Addition of test requirements for reference sense and 2DL inter-band CA configurations | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-193971 | 4764 | - | Addition of test requirements for reference sense and 3DL intra-band contiguous CA configurations | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-193973 | 4765 | - | Addition of test configurations and test requirements for reference sense and 3DL intra-band contiguous CA and inter-band configurations | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-193974 | 4766 | - | Addition of test requirements for reference sense and 4DL intra-band contiguous CA configurations | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-193975 | 4767 | - | Addition of test configurations and test requirements for reference sense and 4DL intra-band contiguous CA and inter-band configurations | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-193976 | 4768 | - | Addition of test configurations and test requirements for reference sense and 5DL intra-band contiguous CA and inter-band configurations | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-194022 | 4769 | - | CA\_1A-3A-41A-42A - Updates of 7.3A.9 REFSENS | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-194068 | 4771 | - | Updates of Rel-16 CA combination | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-194071 | 4773 | - | Spurious update for band 53 | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-194178 | 4786 | - | Update of V2X RX Test Cases | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-194206 | 4789 | - | Correction to test configuration tables for intra-contiguous 2CA Tx tests | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-194208 | 4791 | - | Editorial correction to Table 7.3A.3.5-2 | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-194211 | 4794 | - | Correction to TDD FDD CA 4Rx Demodulation Tests | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-194212 | 4795 | - | Correction to 4Rx CA demod test cases | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-194213 | 4796 | - | Correction to LAA demodulation test cases | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-194216 | 4799 | - | Clean up to default test settings of CA\_XC-YA/XA-YC | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-194217 | 4800 | - | Correction to TM4 2DL CA PDSCH demodulation tests | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-194218 | 4801 | - | Correction to LAA CQI tests | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-194236 | 4804 | - | Addition of 6-DL CA SDR test cases | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-194332 | 4810 | - | Completion of category M1 CEModeB TCs | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-194338 | 4811 | - | Resolve TC ID conflict in A-SEM test | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-194339 | 4812 | - | Correction to subclause used in section 6 test cases | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-194341 | 4813 | - | Addition of new TC 8.7.2.1\_H.4 | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-194343 | 4814 | - | Addition of new TC 8.7.2.1\_H.5 | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-194391 | 4816 | - | Update to the test requirements in the V2X test cases | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-194406 | 4817 | - | Correction to NS\_04 test points | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-194408 | 4818 | - | Editorial correction to table A.3.9.1-2 | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-194422 | 4819 | - | Updates of 7.3A.10 REFSENS for R16 CA | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-194431 | 4820 | - | Adding test case 6.5.2.1EC.2, PUSCH-EVM with exclusion period for UE category M2 | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-194525 | 4826 | - | Updating test case 6.2.4A.2 | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-194527 | 4827 | - | Updating test case 6.2.4A.2\_1 | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-194531 | 4828 | - | Updating test case 6.2.4A.2\_2 | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-194534 | 4830 | - | Updating test case 6.5.2A.1.1\_2 | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-194540 | 4833 | - | Updating test case 6.5.2A.3.4 | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-194600 | 4852 | - | Updating test case 8.7.2.1 | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-194630 | 4855 | - | Correction of Test Case 6.3.4EB.2.1 | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-194738 | 4857 | - | Update to TC 6.7A.4 | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-194742 | 4861 | - | Update to TC 6.6.1A.4 | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-194745 | 4862 | - | Update to TC 6.6.3.2A.4 Spurious emission band UE co-existence for CA (3UL CA) | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-194747 | 4864 | - | Introduction of FDD FD-MIMO Class B PMI test case | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-194748 | 4865 | - | Introduction of FDD FD-MIMO 16Tx Class A multiple PMI test case | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-194749 | 4866 | - | Update to FDD FD-MIMO 12Tx Class A PMI test case | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-194750 | 4867 | - | Introduction of FD-MIMO test cases into Annex | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-194900 | 4839 | 1 | Reference sensitivity level for CA -- inter-band DL CA without UL CA | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-194901 | 4848 | 1 | Maximum Test System Uncertainty for receiver tests | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-194928 | 4743 | 1 | Introduction of LTE Band 85 in transmit power test cases in clause 6.2 | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-194929 | 4744 | 1 | Introduction of Band 85 for UE category M1 and M2 in transmit power test cases in clause 6.2 | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-194930 | 4748 | 1 | Introduction of Band 85 for UE category M1 and M2 in reference sensitivity test cases 7.3EA and 7.3EC | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-194964 | 4783 | 1 | New CA band combination CA\_3A\_7A\_28A, CA\_3X\_7Y and CA\_7X\_28Y | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-194965 | 4784 | 1 | New CA band combination CA\_7A\_22A; Updates of 7.3A Refsens | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-195005 | 4785 | 1 | Addition of new CA band 2A-5A-29A for CA 3DL CA REFSENS | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-195008 | 4854 | 1 | Correction of UL 64QAM Test Cases | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-195022 | 4802 | 1 | Introduction of ON/OFF time mask for 4UL CA test case | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-195058 | 4782 | 1 | Introduction of New TC7.3A.11 Reference sensitivity level for 6DL CA | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-195059 | 4790 | 1 | Editorial correction to Table 7.3.3-1B | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-195060 | 4761 | 1 | Adding 8.11.1.1.3.2\_1, FDD and half-duplex FDD PDSCH Transmit Diversity 2x1 for UE category M2 CEmodeB | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-195061 | 4774 | 1 | Addition of new feMTC test case - A-MPR for category M2 | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-195062 | 4775 | 1 | Addition of new feMTC test case - A-SEM for category M2 | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-195063 | 4776 | 1 | Addition of new feMTC test case - additional spurious for category M2 | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-195064 | 4777 | 1 | Addition of new UL feMTC test cases - Annex F | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-195065 | 4778 | 1 | Correction in configuration table of MPR test for cat M2 | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-195066 | 4779 | 1 | Correction in configuration table of SEM and ACLR tests for cat M2 | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-195070 | 4825 | 1 | Correcting an equation in many Tx Requirement Test Cases | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-195071 | 4834 | 1 | Updating test case 8.2.1.1.1\_A.5 | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-195072 | 4835 | 1 | Updating test case 8.2.1.3.1\_A.4 | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-195073 | 4849 | 1 | Updating test case 8.2.1.4.2\_A.4 | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-195074 | 4850 | 1 | Updating test case 8.7.1.1\_A.5 | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-195075 | 4863 | 1 | New TC 6.6.3.3A.4 Additional spurious emissions for CA (3UL CA) | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-195076 | 4853 | 1 | Correction to test case 6.2.2A.4 | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-195083 | 4772 | 1 | Introduction of Maximum input level for 6DL CA | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-195093 | 4758 | 1 | Adding band 4, 14, 71 to Rx/Tx test cases for cat NB2 and cat M2 | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-195100 | 4787 | 1 | Introduction of FDD PDSCH Single Antenna Port Performance for CA (6 DL CA) | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-195101 | 4788 | 1 | Introduction of FDD PDSCH Open Loop Spatial Multiplexing 2x2 for CA (6DL CA) | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-195102 | 4752 | 1 | Update of TC 6.3.5A.1.4 Power Control Absolute power tolerance for CA 3UL CA | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-195103 | 4753 | 1 | Update of TC 6.3.5A.2.4 Power Control Relative power tolerance for CA 3UL CA | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-195104 | 4754 | 1 | Update of TC 6.3.5A.3.4 Aggregate Power Control Tolerance for CA 3UL CA | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-195105 | 4755 | 1 | Update of TC 6.6.2.3A.4 Adjacent Channel Leakage power Ratio for CA 3UL CA | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-195106 | 4756 | 1 | Update of TC 6.6.3.1A.4 Transmitter Spurious emissions for CA 3UL CA | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-195107 | 4858 | 1 | Update to TC 6.2.5A.5 | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-195108 | 4859 | 1 | Update to TC 6.6.2.1A.4 | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-195109 | 4860 | 1 | Update to TC 6.6.2.2A.4 | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-195111 | 4832 | 1 | Updating test case 6.5.2A.3.2 | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-195124 | 4868 | 1 | Update 4Rx Test Requirement for Band 30 | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-195125 | 4792 | 1 | Correction to message contents of 6.3.2F | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-195126 | 4793 | 1 | Editorial correction to NB-IoT NPDCCH demodulation test cases | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-195127 | 4798 | 1 | Core alignment of LAA demodulation test 8.4.3.1.1 | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-195197 | 4815 | 1 | Correction to MU for LTE UL CA | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-195199 | 4757 | 1 | Editorial change replacing TBD in test case 6.2.5F, Configured UE transmitted Output Power for UE category NB1 and NB2 | 16.0.0 | 16.1.0 |
| 2019-06 | RAN#84 | R5-195447 | 4797 | 1 | Correction to LAA demodulation test 8.3.3.1.2 | 16.0.0 | 16.1.0 |
| 2019-09 | RAN#85 | R5-195704 | 4896 | - | Addition of new TC 6.2.2A.5 of TS 36.521-1 | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-195706 | 4898 | - | Addition of new TC 6.2.4A.5 of TS 36.521-1 | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-195707 | 4899 | - | Addition of new TC 6.2.5A.5 of TS 36.521-1 | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-195708 | 4900 | - | Addition of new TC 6.3.2A.5 of TS 36.521-1 | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-195709 | 4901 | - | Addition of new TC 6.3.3A.5 of TS 36.521-1 | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-195710 | 4902 | - | Update table 6.2.2A.0-1 of TS 36.521-1 | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-195713 | 4903 | - | Update of V2X MOP test cases | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-195714 | 4904 | - | Update of V2X MPR test cases | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-195715 | 4905 | - | Update of V2X AMPR test cases | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-195717 | 4906 | - | Cleaning up of V2X test cases for missing applicability | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-195718 | 4907 | - | Addition of V2X Carrier leakage test cases | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-195719 | 4908 | - | Addition of V2X ACLR for multi-carrier | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-195720 | 4909 | - | Update of V2X OOBB test cases | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-195721 | 4910 | - | Update of V2X Intermodulation test cases | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-195722 | 4911 | - | Addition of MU and TT information of V2X test cases in Annex F | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-195724 | 4912 | - | Addition of V2X demod case 14.5 and 14.6 | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-195725 | 4913 | - | Addition of V2X demod case 14.7 | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-195795 | 4944 | - | Addition of inter\_band CA configurations to the OOB blocking test which have restricted operating frequency range for Band 28 | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-195802 | 4946 | - | Addition of CA configuration CA\_11A\_41C and CA\_11A\_42C for Refsens test | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-195840 | 4947 | - | CA\_1A-18A-42A - Updates of 7.3A.5 REFSENS | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-195846 | 4948 | - | CA\_18A-42C - Updates of 7.3A.5 REFSENS | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-195852 | 4950 | - | Correction of Test Setting CA\_1A-3A-41C | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-196061 | 4951 | - | Introduction of Aggregate Power Control Tolerance for 4UL CA test case | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-196062 | 4952 | - | Introduction of power control absolute power tolerance for 4UL CA test case | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-196063 | 4953 | - | Introduction of transmit intermodulation for 4UL CA test case | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-196080 | 4954 | - | Aligning CA delta TiB in clause 6.2.5.3 with TS 36.101 v16.2.0 | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-196081 | 4955 | - | Aligning CA delta RiB in clause 7.3.3 with TS 36.101 v16.2.0 | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-196083 | 4956 | - | Introduction of uncertainties and TTs in Annex F for some 4UL CA test cases | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-196142 | 4957 | - | New Tx test case 6.5.1A.5 Frequency Error for 4UL CA | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-196143 | 4958 | - | New Tx test case 6.5.2A.1.5 Error Vector Magnitude (EVM) for 4UL CA | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-196144 | 4959 | - | New Tx test case 6.5.2A.2.5 Carrier leakage for 4UL CA | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-196145 | 4960 | - | New Tx test case 6.5.2A.3.5 In-band emissions for non allocated RB for 4UL CA | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-196146 | 4961 | - | New Tx test case 6.6.1A.5 Occupied bandwidth for 4UL CA | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-196147 | 4962 | - | Addition of Annex F of Tx test cases for 4UL CA | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-196151 | 4963 | - | Correction to transmit modulation test cases for 3UL CA | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-196222 | 4966 | - | Correction on NPRACH CP length configuration | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-196224 | 4968 | - | Editorial correction to reference sensitivity for 4CA | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-196225 | 4969 | - | Correction to protected band configuration for band 85 | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-196226 | 4970 | - | Editorial correction to G.3A.5 minimum test time | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-196227 | 4971 | - | Clarifying test applicability selection criteria in FDD SDR TC 8.7.1.1 | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-196450 | 4974 | - | Introduction of FDD PDSCH Closed Loop Multi Layer Spatial Multiplexing 4x2 for 6DL CA | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-196506 | 4976 | - | Align CA information in clause 5 with core specificaiton | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-196507 | 4977 | - | Align clause 7.3A.0 with core specificaiton | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-196513 | 4978 | - | Introduction of TDD FDD CA PDSCH Single Antenna Port Performance for FDD PCell 6DL CA | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-196515 | 4979 | - | Introduction of TDD FDD CA PDSCH Single Antenna Port Performance for TDD PCell 6DL CA | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-196548 | 4980 | - | Update REFSENS of CA\_8A-40C configuration in 7.3A.5 | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-196549 | 4981 | - | Update REFSENS of CA\_8A-20A-28A configuration in 7.3A.5 | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-196550 | 4982 | - | Update REFSENS of CA\_3A-28A-38A configuration in 7.3A.5 | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-196551 | 4983 | - | Update REFSENS of CA\_1A-8A-38A configuration in 7.3A.5 | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-196552 | 4984 | - | Update REFSENS of CA\_1A-1A configuration in 7.3A.4 | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-196553 | 4985 | - | Update REFSENS of CA\_1A-1A-7A configuration in 7.3A.5 | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-196554 | 4986 | - | Update REFSENS of CA\_3A-7A-38A configuration in 7.3A.5 | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-196555 | 4987 | - | Update REFSENS of CA\_3A-3A-8A configuration in 7.3A.5 | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-196557 | 4989 | - | Update REFSENS of 2DL CA for multiple CA configurations in 7.3A.3 | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-196619 | 4993 | - | Updates of Rel-16 CA configuration | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-196758 | 4997 | - | Addition of 8.2.2.8.1 and 8.2.2.8.2 into Annex F and Annex G | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-196858 | 4998 | - | Correction to RMC for Cat M1 CSI tests | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-196861 | 4999 | - | Updating test case 6.2.4A.2\_2 | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-196863 | 5000 | - | Updating test case 6.6.1A.4 | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-197268 | 4917 | 1 | Adding CA\_66B and CA\_66C on Table 6.2.2A.1.5-1 CA UE Power Class test requirements | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-197269 | 4919 | 1 | Adding test points on on Table 6.3.5A.3.1.4.1-2 Correction on Table 6.3.5A.3.1.4.1-2 changing the point 2575 into 75 | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-197310 | 5004 | - | Updating test cases to remove transient period for FGI 103 and 104 | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-197421 | 4972 | 1 | Update editors note for several 3UL CA RF conformance test cases | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-197443 | 4943 | 1 | Addition of CA configuration CA\_20A\_40A for Refsens test | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-197444 | 4988 | 1 | Update REFSENS of CA\_28A-40D configuration in 7.3A.9 | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-197445 | 4996 | 1 | Addition of test cases 8.2.2.8.1 and 8.2.2.8.2 | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-197446 | 4964 | 1 | Editorial change, correcting reference in 7.3F.1.5 test requirement | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-197447 | 4991 | 1 | Editorial change - moving test case 7.6.2AE to correct place | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-197448 | 4975 | 1 | Update to FDD 6 DL CA Single Antenna and Open Loop Spatial Multiplexing 2x2 Performance test cases | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-197449 | 4897 | 1 | Addition of new TC 6.2.3A.5 of TS 36.521-1 | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-197454 | 4939 | 1 | Adding Bandwidth combination for FDD CA on Table 8.1.2.2-2, Table 8.1.2.3-1 and Table 9.1.1.2-1 | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-197455 | 4940 | 1 | Adding Bandwidth combination for FDD CA on Table 8.1.2.2-2 for 7A-7A BW SET 3 | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-197458 | 4945 | 1 | Addition of CA configuration CA\_11A\_41A and CA\_11A\_42A for Refsens test | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-197460 | 4914 | 1 | Addition of V2X demod case 14.9 | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-197461 | 4973 | 1 | Update for Message contents for V2X Test case in non-concurrent mode | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-197465 | 4949 | 1 | CA\_1A-3A-18A-42A - Updates of 7.3A.9 REFSENS | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-197466 | 4990 | 1 | Correction of table 7.3A.0-3 in 36.521-1 | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-197467 | 4992 | 1 | Adding feMTC test case 7.6.2EC, Out-of-band blocking for UE category M2 | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-197470 | 4994 | 1 | Addition of FD-MIMO test cases 9.2.4.1A & 9.2.4.2A | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-197489 | 5003 | 1 | Adding test points for CA\_25A-41D to Table 7.3A.9.4.1-1: Test Configuration Table | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-197605 | 4965 | 1 | Correction to test configuration tables for intra-contiguous 2CA Tx tests | 16.1.0 | 16.2.0 |
| 2019-09 | RAN#85 | R5-197606 | 4967 | 1 | Correction to test configuration for 4CA reference sensitivity | 16.1.0 | 16.2.0 |
| 2019-10 | RAN#85 | R5-196858 | 4998 | - | Fix wrong implementation of RC.25 FDD/TDD in Table A.4-1 | 16.2.0 | 16.2.1 |
| 2019-12 | RAN#86 | R5-197765 | 5006 | - | Cleaning up of R13 CA test cases | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-197875 | 5017 | - | Editorial change to test case 6.2.2EC | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-197898 | 5018 | - | Adding test case 8.11.1.1.3.2\_1 to Annex F | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-197899 | 5019 | - | Updating test case 8.11.1.2.1 and 8.11.1.2.2 to be applicable for category M2 | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-197958 | 5020 | - | Alignment with core specification, adding missing clause 8.1.2.8A | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-197959 | 5021 | - | Updating test case 7.3EC, Reference sensitivity level for UE category M2 | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-198074 | 5023 | - | Correction to 4Rx CA demod test case 8.13.1.3.1 and 8.13.1.4.1 | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-198105 | 5024 | - | Correction of test configuration table for TC 7.6.3A.5 narrow band blocking for 3DL CA | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-198109 | 5025 | - | Update to TDD FDD CA Single Antenna Port Performance test cases for 6 DL CA | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-198110 | 5026 | - | Update to FDD 6 DL CA Closed Loop Spatial Multiplexing 4x2 Performance | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-198111 | 5027 | - | Introduction of TDD FDD 6 DL CA PDSCH Open Loop Spatial Multiplexing 2x2 for TDD PCell Performance test case | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-198112 | 5028 | - | Introduction of TDD FDD 6 DL CA PDSCH Open Loop Spatial Multiplexing 2x2 for FDD PCell Performance test case | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-198292 | 5035 | - | Addition of new TC 8.7.2.1\_H.6 | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-198297 | 5036 | - | Addition of new TC 8.7.2.1\_A.6 | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-198345 | 5040 | - | Addition of new Rel-15 CA test case 7.5A.9 | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-198347 | 5041 | - | Addition of new Rel-15 CA test case 7.8.1A.9 | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-198357 | 5042 | - | Addition of out of band blocking for CA\_48C | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-198396 | 5043 | - | Correction to reference sensitivity for CA test cases | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-198491 | 5047 | - | Correction to Spurious emission | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-198515 | 5048 | - | Update to CBSR configuration for 4 TX test cases with 3 layers | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-198672 | 5050 | - | New TDD FD-MIMO test cases in Annex | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-198727 | 5052 | - | Editorial correction to reference sensitivity test case | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-198728 | 5053 | - | Update to reference sensitivity test case | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-199080 | 5039 | 2 | Addition of CA configuration CA\_2A\_4A\_4A\_5A for Refsens test | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-199438 | 5007 | 1 | Addition of new feMTC test case - PRACH time mask | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-199439 | 5008 | 1 | Addition of new feMTC test case - SRS time mask | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-199440 | 5009 | 1 | Addition of new feMTC test case - carrier leakage | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-199441 | 5010 | 1 | Addition of new feMTC test case - in-band emissions for non allocated RB | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-199442 | 5011 | 1 | Addition of new feMTC test case - EVM equalizer spectrum flatness | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-199443 | 5012 | 1 | Addition of new feMTC test case - frequency error for CE Mode B | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-199444 | 5013 | 1 | Addition of new feMTC test case - aggregate power control tolerance for CE Mode B | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-199445 | 5014 | 1 | Addition of new feMTC test case - spurious response | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-199446 | 5015 | 1 | Addition of new feMTC test case - spurious emissions | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-199447 | 5016 | 1 | Addition of new feMTC test cases - annex F | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-199455 | 5029 | 1 | Update of SDR joint CA test cases | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-199458 | 5037 | 1 | Addition of CA configuration CA\_42A\_42C for Refsens test | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-199459 | 5038 | 1 | Addition of CA configuration CA\_38A\_40A\_40A for Refsens test | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-199463 | 5030 | 1 | CA\_1A-18A-42C - Updates of 7.3A.9 REFSENS | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-199464 | 5031 | 1 | CA\_3A-18A-42C - Updates of 7.3A.9 REFSENS | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-199465 | 5032 | 1 | CA\_1A-3A-18A-42C - Updates of 7.3A.10 REFSENS | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-199470 | 5022 | 1 | Adding new Bandwidth Combination for 3+5Mhz for CA\_5B set 1 | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-199471 | 5044 | 1 | Update of TC 8.2.2.1.1\_A.4 TDD PDSCH Single Antenna Port Performance for CA (5DL CA) | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-199474 | 5005 | 1 | Update of AMPR and SEM for RAN4 alignment | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-199480 | 5049 | 1 | Introduction of new TDD FD-MIMO test cases | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-199528 | 5045 | 1 | Update of Test Case 6.2.3A.4 Maximum Power Reduction for 3UL CA | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-199529 | 5046 | 1 | Update of Test Case 6.2.4A.4 Additional Maximum Power Reduction (A-MPR) for CA (3UL CA) | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-199558 | 5051 | 1 | Correction to Rx test points for CA\_1A-3A-42C | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-199559 | 5054 | 1 | Update to SEM and additional spurious emissions LTE CA 41C | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-199560 | 5055 | 1 | CA\_41X-41Y, in-band blocking, updated Table 7.6.1A.7.4.1-2: Test Configuration Table | 16.2.1 | 16.3.0 |
| 2019-12 | RAN#86 | R5-199582 | 5033 | 1 | Update of 7.3A.3 Reference sensitivity level for CA Band 5A-29A | 16.2.1 | 16.3.0 |
| 2020-03 | RAN#87 | R5-200291 | 5057 |  | Addition of new test case 8.11.1.2.3.2, TDD PDSCH 2 Tx Antenna Port supporting wideband transmission for UE category M2 | 16.3.0 | 16.4.0 |
| 2020-03 | RAN#87 | R5-200292 | 5058 |  | Addition of new test case 8.11.1.2.3.2\_1, TDD PDSCH 2 Tx Antenna Port supporting wideband transmission for UE category M2 (CEModeB) | 16.3.0 | 16.4.0 |
| 2020-03 | RAN#87 | R5-200798 | 5062 |  | Update of FD-MIMO PMI test cases | 16.3.0 | 16.4.0 |
| 2020-03 | RAN#87 | R5-200890 | 5059 | 1 | Update to CRI reporting cases for FD-MIMO | 16.3.0 | 16.4.0 |
| 2020-03 | RAN#87 | R5-200891 | 5060 | 1 | Update to CQI Reporting cases with single CSI Process | 16.3.0 | 16.4.0 |
| 2020-03 | RAN#87 | R5-177392 | 3949 | 1 | Cat1bis: Addition of new CAT1-bis TxDiv Demod TC (was not implemented by mistake) | 16.3.0 | 16.4.0 |
| 2020-06 | RAN#88 | R5-201694 | 5069 | - | Update REFSENS of some CA combinations in 7.3A.5 | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-201695 | 5070 | - | Update REFSENS of CA\_38A-40C BCS1 configuration in 7.3A.5 | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-201700 | 5071 | - | Update of 6.2.2\_1 MOP for HPUE | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-201701 | 5072 | - | Update of 6.2.3\_1 MPR for HPUE | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-201730 | 5077 | - | Update of Tolerance for 8.2.1.10 in Annex F | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-201788 | 5083 | - | Updated to clause 5 information for Rel-15 NB-IoT | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-201803 | 5084 | - | Introduction of TDD FDD 6 DL CA PDSCH Closed Loop Multi Layer Spatial Multiplexing 4x2 for FDD PCell | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-201804 | 5085 | - | Introduction of TDD FDD 6 DL CA PDSCH Closed Loop Multi Layer Spatial Multiplexing 4x2 for TDD PCell | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-201805 | 5086 | - | Introduction of TDD FDD 7 DL CA PDSCH Open Loop Spatial Multiplexing 2x2 for FDD PCell | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-201806 | 5087 | - | Introduction of TDD FDD 7 DL CA PDSCH Open Loop Spatial Multiplexing 2x2 for TDD PCell | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-201807 | 5088 | - | Introduction of TDD FDD 7 DL CA PDSCH Single Antenna Port Performance for FDD PCell | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-201808 | 5089 | - | Introduction of TDD FDD 7 DL CA PDSCH Single Antenna Port Performance for TDD PCell | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-201809 | 5090 | - | Update to TDD FDD 6 DL CA PDSCH Open Loop Spatial Multiplexing 2x2 for FDD PCell | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-201810 | 5091 | - | Update to TDD FDD 6 DL CA PDSCH Open Loop Spatial Multiplexing 2x2 for TDD PCell | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-201831 | 5092 | - | Update of inband blocking requirements | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-201868 | 5094 | - | Moving test case 7.6.1EA In-band blocking for UE category M1 to correct place | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-201895 | 5101 | - | Addition of calculation of averaged EVM for short TTI | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-201928 | 5115 | - | Cleanup in category M2 test cases | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-201950 | 5116 | - | New RMCs for efeMTC | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202047 | 5117 | - | Skipping 2Rx REFSENS testing on bands where UE support 4Rx | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202174 | 5119 | - | Addition of new TC 8.7.1.1\_A.7 | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202175 | 5120 | - | Addition of new TC 8.7.1.1\_H.7 | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202176 | 5121 | - | Addition of new TC 8.7.2.1\_A.7 | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202177 | 5122 | - | Addition of new TC 8.7.2.1\_H.7 | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202198 | 5126 | - | Addition of RMC for TDD NB-IOT testing | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202280 | 5127 | - | Cleaning up DL CA Rx Test Cases | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202281 | 5128 | - | Correction to reference sensitivity CA\_38A-40A-40A | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202282 | 5129 | - | Editorial correction to spurious emission UE-coexistence tests for Cat-M1 | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202283 | 5130 | - | Editorial correction to spurious emission UE-coexistence tests for UL CA | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202324 | 5131 | - | efeMTC updates in test case 8.11.1.1.3.1 | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202442 | 5136 | - | Corrections to Reference Sensitivity for CA | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202445 | 5137 | - | Editorial corrections to Reference Sensitivity for CA | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202705 | 5063 | 1 | Addition of CA\_48C and CA\_48D to 36.521-1 Table 7.6.2A.5.5-2 | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202758 | 5078 | 1 | correction of references in tc 6.2.3A.1\_3 Maximum Power Reduction (MPR) for CA (intra-band contiguous DL CA and UL CA) for HPUE | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202759 | 5079 | 1 | Addition of new test case 6.2.4A.1\_3 Additional Maximum Power Reduction (A-MPR) for CA (intra-band contiguous DL CA and UL CA) for HPUE | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202760 | 5080 | 1 | Addition of new test case 6.2.5A.1\_3 Configured UE transmitted Output Power for CA (intra-band contiguous DL CA and UL CA) for HPUE | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202761 | 5081 | 1 | Addition of new test case 6.6.2.3A.1\_3 Adjacent Channel Leakage power Ratio for CA (intra-band contiguous DL CA and UL CA) for HPUE | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202767 | 5098 | 1 | Addition of 6.2.5\_s Configured UE Transmitted Output Power for short TTI | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202768 | 5099 | 1 | Addition of 6.3.4.1\_s General ON/OFF time mask for short TTI | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202770 | 5102 | 1 | Addition of 8.14.1.1.1 FDD sPDSCH Open Loop Spatial Multiplexing Performance | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202771 | 5103 | 1 | Addition of 8.14.1.1.2 FDD sPDSCH Closed Loop Spatial Multiplexing Performance | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202772 | 5104 | 1 | Addition of 8.14.1.2.1 TDD sPDSCH Open Loop Spatial Multiplexing Performance | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202773 | 5105 | 1 | Addition of 8.14.1.2.2 TDD sPDSCH Closed Loop Spatial Multiplexing Performance | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202774 | 5106 | 1 | Addition of 8.14.2.1 FDD sPDCCH Transmit diversity performance | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202775 | 5107 | 1 | Addition of 8.14.2.2 TDD sPDCCH Transmit diversity performance | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202776 | 5108 | 1 | Addition of 9.12.1.1 FDD CQI Reporting under fading conditions based on CRS for short TTI | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202777 | 5109 | 1 | Addition of 9.12.1.2 TDD CQI Reporting under fading conditions based on CRS for short TTI | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202778 | 5110 | 1 | Addition of 9.12.2.1 FDD CQI Reporting under fading conditions based on CSI-RS for short TTI | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202779 | 5111 | 1 | Addition of 9.12.2.2 TDD CQI Reporting under fading conditions based on CSI-RS for short TTI | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202780 | 5112 | 1 | Addition of Reference Measurement Channels for short TTI | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202785 | 5068 | 1 | Update for each NB1 and NB2 test cases in Annex F | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202786 | 5125 | 1 | Cleaning up NB-IOT Tx test cases to allow testing on TDD bands | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202793 | 5082 | 1 | Correction to test applicability of NB-IoT tests | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202794 | 5093 | 1 | Update to NS\_05 Requirements | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202795 | 5123 | 1 | Adding NB-IOT ACLR for PC6 | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202796 | 5124 | 1 | Updated to NB-IOT TC 6.2.3FA | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202855 | 5095 | 1 | Addition of 6.2.2\_s UE Maximum Output Power for short TTI | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202856 | 5097 | 1 | Addition of 6.2.4\_s UE Additional Maximum Power Reduction for short TTI | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202857 | 5100 | 1 | Addition of 6.5.2.1\_s Error Vector Magnitude for short TTI | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202858 | 5113 | 1 | Update of Annex C.3.2 Downlink Physical Channels for short TTI | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202863 | 5064 | 1 | Adding test band for UE Maximum Output Power for category NB1 and NB2 | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202864 | 5065 | 1 | Adding test band for UE Maximum Output Power for category NB1 and NB2 Power Class 6 | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202865 | 5066 | 1 | Adding test band for Reference sensitivity level without repetitions for category NB1 and NB2 | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202866 | 5067 | 1 | Adding test band for Out-of-band blocking for category NB1 and NB2 | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202867 | 5074 | 1 | Adding test band for ON OFF time mask for category NB1 and NB2 | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202869 | 5075 | 1 | Correction to TC 9.2.1.7 and 9.2.1.8 for minimum requirements | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202870 | 5076 | 1 | Addition of performance TC 8.2.1.10 intra-band contiguous CA with minimum channel spacing | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202877 | 5118 | 2 | correction in 6.2.2A.1\_3 MOP for CA and HPUE (intra-band contiguous DL CA and UL CA) | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-202935 | 5114 | 1 | Addition of B40 into UE Category 1bis and Addition of Power Class 2 into B41 UE Category 1bis | 16.4.0 | 16.5.0 |
| 2020-06 | RAN#88 | R5-203090 | 5096 | 1 | Addition of 6.2.3\_s UE Maximum Power Reduction for short TTI | 16.4.0 | 16.5.0 |
| 2020-09 | RAN#89 | R5-203228 | 5138 | - | Introduction of PC2 UE for cat M1/M2 in LTE Bands 31 and 72 | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-203335 | 5139 | - | Addition of B34 into UE Category 1bis and update B41 UE Category 1bis | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-203561 | 5141 | - | Introduction of new TC 7.6.1A.9 In-band blocking for 6DL CA | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-203562 | 5142 | - | Introduction of new TC 7.6.2A.9 Out-of-band blocking for 6DL CA | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-203563 | 5143 | - | Introduction of new TC 7.6.3A.9 Narrow band blocking for 6DL CA | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-203564 | 5144 | - | Introduction of new TC 7.7A.9 Spurious response for 6DL CA | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-203570 | 5145 | - | Update of Annex F.1.3 and 3.3 for 6DL blocking and spurious response TCs | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-203600 | 5146 | - | Introduction of TDD FDD 7 DL CA PDSCH Closed Loop Multi Layer Spatial Multiplexing 4x2 for FDD PCell | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-203601 | 5147 | - | Introduction of TDD FDD 7 DL CA PDSCH Closed Loop Multi Layer Spatial Multiplexing 4x2 for TDD PCell | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-203602 | 5148 | - | Update to TDD FDD 6 DL CA PDSCH Closed Loop Multi Layer Spatial Multiplexing 4x2 for FDD PCell | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-203604 | 5149 | - | Update to TDD FDD 6 DL CA PDSCH Closed Loop Multi Layer Spatial Multiplexing 4x2 for TDD PCell | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-203606 | 5150 | - | Update to TDD FDD 7 DL CA PDSCH Open Loop Spatial Multiplexing 2x2 for FDD PCell | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-203607 | 5151 | - | Update to TDD FDD 7 DL CA PDSCH Open Loop Spatial Multiplexing 2x2 for TDD PCell | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-203608 | 5152 | - | Update to TDD FDD 7 DL CA Single Antenna Port Performance for FDD PCell | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-203609 | 5153 | - | Update to TDD FDD 7 DL CA Single Antenna Port Performance for TDD PCell | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-203738 | 5154 | - | Cleanup in test case 7.3EC, Reference sensitivity level for UE category M2 | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-203775 | 5155 | - | Updating test case applicability for CSI test cases | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-203776 | 5156 | - | Adding test case applicability rules | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-203779 | 5157 | - | Adding tests for CRS muting, 64QAM and 200Hz doppler spread to test case 8.11.1.1.3.1 | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-203782 | 5158 | - | Adding tests for CRS muting, 64QAM and 200Hz doppler spread to test case 8.11.1.2.3.1 | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-203857 | 5163 | - | Update of Test Tolerance for HPUE | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-203858 | 5164 | - | Update of MOP for HPUE | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-203859 | 5165 | - | Update of MPR for HPUE | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-203927 | 5166 | - | Addition of sTTI related definitions, symbols and abbreviations to TS 36.521-1 | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-203928 | 5167 | - | Update of message contents and test tolerance for transmitted power in sTTI test cases | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-203930 | 5169 | - | Update of test tolerance for CSI reporting in sTTI test cases | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-204001 | 5177 | - | Annex F based on updated Tx test cases for efeMTC | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-204005 | 5179 | - | Adding PC6 to 6.3.5EA.1, Power Control Absolute power tolerance for UE category M1 | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-204007 | 5180 | - | Adding PC6 to 6.2.5EA, Configured UE transmitted Power for UE category M1 | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-204017 | 5184 | - | Adding PC6 to 6.3.5EA.2, Power Control Relative power tolerance for UE category M1 | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-204157 | 5185 | - | Correction to RF NB-IoT test cases | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-204275 | 5187 | - | Corrections to Reference Sensitivity for CA | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-204750 | 5176 | 1 | Updating test cases for several CA configurations | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-204830 | 5171 | 1 | Updated to NB-IOT TC 6.3.5F.1 | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-204831 | 5186 | 1 | Updated to test applicability for R15 NB-IoT requirement | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-204841 | 5173 | 1 | Cleaning up of V2X RB allocation for non-concurrent transmission | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-204842 | 5174 | 1 | Cleaning up of V2X RB allocation for simultaneous transmission | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-204843 | 5175 | 1 | Cleaning up of V2X RB allocation for multi-carrier operation | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-204892 | 5168 | 1 | Update of test tolerance for demodulation performance in sTTI test cases | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-204893 | 5170 | 1 | Addition of acceptable uncertainty and test tolerance for sTTI test cases | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-204965 | 5172 | 1 | Updated to NB-IOT TC 6.3.5F.3 | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-204967 | 5159 | 1 | Addition of test case 9.8.3.1 FDD and Half duplex FDD CQI reporting definition under AWGN conditions for UE supporting coverage enhancement and 64QAM | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-204968 | 5160 | 1 | Addition of test case 9.8.3.2 TDD CQI reporting under AWGN conditions for UE supporting coverage enhancement and 64QAM | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-204969 | 5161 | 1 | Addition of test case 9.8.4.1 FDD and half duplex FDD CQI reporting under AWGN conditions for UE supporting coverage enhancement and alternative table | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-204970 | 5162 | 1 | Addition of test case 9.8.4.2TDD CQI reporting under AWGN conditions for UE supporting coverage enhancement and alternative table | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-204971 | 5178 | 1 | Adding sub PRB allocation to 6.5.2.3EA, In-band emissions for non-allocated RB for UE category M1 | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-204972 | 5182 | 1 | Adding PC6 to 6.2.2EA, UE Maximum Output Power for UE category M1 | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-204973 | 5183 | 1 | Adding PC6 to 6.2.3EA, Maximum Power Reduction (MPR) for UE category M1 | 16.5.0 | 16.6.0 |
| 2020-09 | RAN#89 | R5-204983 | 5140 | 2 | Editorial correction to 3DL CA test cases | 16.5.0 | 16.6.0 |
| 2020-12 | RAN#90 | R5-205079 | 5188 | - | Introduction of LTE Bands 87 and 88 in clause 5 | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-205080 | 5189 | - | Introduction of Bands 87 and 88 for UE category M1/M2 and NB1/NB2 | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-205081 | 5190 | - | Introduction of LTE Bands 87 and 88 in transmit power test cases in clause 6.2 | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-205082 | 5191 | - | Introduction of LTE Bands 87 and 88 in spurious emission test cases in clause 6.6 | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-205083 | 5192 | - | Introduction of LTE Bands 87 and 88 in reference sensitivity test case 7.3 | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-205085 | 5194 | - | Introduction of LTE Bands 87 and 88 in In-band blocking and Out-of-band blocking test cases 7.6.1 and 7.6.2 | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-205107 | 5195 | - | UL-CA\_41C changes to additional spurious emissions for QPSK and 64 QAM | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-205119 | 5196 | - | Addition of B48 to Table 7.6.1A.3.5-2 | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-205120 | 5197 | - | Addition of B48 to Table 7.6.1A.8.5-5 | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-205122 | 5198 | - | Addition of B48 to Note 5 in Table 7.6.2A.3.5-2 | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-205131 | 5199 | - | Addition of B48 to Note 5 in Table 7.6.2A.5.5-4 and to Table 7.6.2A.5.5-5 | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-205153 | 5200 | - | Addition of B41 and B48 to Table 7.6.2A.7.5-2 and B48 to Tables 7.6.2A.7.5-4 and 7.6.2A.7.5-5 | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-205154 | 5201 | - | Addition of B48 to Tables 7.6.2A.8.5-4 and 7.6.2A.8.5-5 | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-205272 | 5204 | - | Update to 6 DL CA test cases for the test applicability | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-205274 | 5205 | - | Update to 7 DL CA Open Loop Spatial Multiplexing 2x2 for the test applicability | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-205278 | 5206 | - | Update to 7 DL CA Single Antenna Port Performance for the test applicability | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-205281 | 5207 | - | Update to TDD FDD 7 DL CA PDSCH Closed Loop Multi Layer Spatial Multiplexing 4x2 for FDD PCell | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-205282 | 5208 | - | Update to TDD FDD 7 DL CA PDSCH Closed Loop Multi Layer Spatial Multiplexing 4x2 for TDD PCell | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-205362 | 5209 | - | Update to TDD FDD 6 DL CA test cases for the test applicability | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-205525 | 5210 | - | Update of TC8.2.2.3.1\_A.3 TDD PDSCH Open Loop Spatial Multiplexing 2x2 for CA (4DL CA) | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-205526 | 5211 | - | Update of TC8.2.2.3.1\_A.4 TDD PDSCH Open Loop Spatial Multiplexing 2x2 for CA (5DL CA) | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-205538 | 5212 | - | Adding PC6 to 6.2.2EC UE Maximum Output Power for UE category M2 | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-205539 | 5213 | - | Adding PC6 to 6.2.3EC, Maximum Power Reduction (MPR) for UE category M2 | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-205542 | 5214 | - | Adding PC6 to 6.2.5EC Configured UE transmitted Power for UE category M2 | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-205543 | 5215 | - | New subtest for test case 8.11.1.1.3.2\_1 FDD and half-duplex FDD PDSCH Transmit Diversity 2x1 for UE category M2 (CEmodeB) | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-205545 | 5216 | - | New subtest for test case 8.11.1.2.3.1\_1 TDD PDSCH Transmit Diversity for UE category M1 (CEModeB) | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-205546 | 5217 | - | Incorrect test requirement for power class 5 in test case 6.2.5EA | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-205548 | 5218 | - | Alignment with core specification of clause 9.8 in 36.521-1 | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-205549 | 5219 | - | Editorial, wrong references in test case 6.3.5EC Power Control for UE category M2 | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-205688 | 5220 | - | Update to test applicability of NB-IoT RF tests in clause 6 | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-205689 | 5221 | - | Update to test applicability of NB-IoT RF tests in clause 7 | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-205690 | 5222 | - | Update to test applicability of NB-IoT RF tests in clause 8 | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-205705 | 5223 | - | Updates for A-MPR and A-SEM test cases | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-205751 | 5224 | - | Editorial. Correcting the table number for A-MPR for CA\_NS\_04 CA\_41C (6.2.4A.1\_1.3.4) | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-205764 | 5225 | - | Update of test applicability in RF test cases for sTTI | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-205765 | 5226 | - | Update of Demod test cases for sTTI across clause 8 and clause 9 | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-205847 | 5227 | - | Correction of frequency spacing for demodulation of NB-IoT TC 8.12.1.1.2 | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-205848 | 5228 | - | Correction of UL allocations for In-band emissions TC 6.5.2A.3.1 | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-205899 | 5229 | - | Update of V2X MOP and MPR test cases | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-205901 | 5230 | - | Alignment of V2X A-MPR, A-SEM and A-SE | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-205902 | 5231 | - | Cleaning up of V2X test configurations | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-205903 | 5232 | - | Clarification of V2X spurious emission measurement method | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-205977 | 5233 | - | Update of 6.2.2B\_1 MOP for UL-MIMO | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-205982 | 5238 | - | Update of 6.3.5\_1 Power Control for HPUE | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-205984 | 5240 | - | Update of Annex F for HPUE Test Tolerance | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-206211 | 5241 | - | Update of test configuration in TC 6.3.5A.2.2 | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-206731 | 5234 | 1 | Correction of 6.2.3\_1 MPR | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-206732 | 5235 | 1 | Update of 6.2.4\_1 A-MPR | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-206733 | 5236 | 1 | Update of 6.2.5\_1 configured power | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-206734 | 5237 | 1 | Update of 6.2.5A.1\_3 Configured UE transmitted Output Power for CA and HPUE | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-206735 | 5239 | 1 | Update of 6.6.3.3 additional spurious emission | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-206770 | 5193 | 1 | Introduction of Bands 87 and 88 for UE category M1 and M2 in reference sensitivity test cases 7.3EA and 7.3EC | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-206896 | 5202 | 1 | Adding new TC 9.6.1.1\_A.5 6DL CA | 16.6.0 | 16.7.0 |
| 2020-12 | RAN#90 | R5-206897 | 5203 | 1 | Adding new TC 9.6.1.2\_A.5 6DL CA | 16.6.0 | 16.7.0 |
| 2021-03 | RAN#91 | R5-210262 | 5244 | - | Add support for new CA combos to Table 7.4A.8.4.1-1 and Table 7.4A.8.4.2-1 | 16.7.0 | 16.8.0 |
| 2021-03 | RAN#91 | R5-210404 | 5246 | - | Introduction of FDD PDSCH Closed Loop Multi Layer Spatial Multiplexing 4x2 for CA (7DL CA) | 16.7.0 | 16.8.0 |
| 2021-03 | RAN#91 | R5-210405 | 5247 | - | Introduction of FDD PDSCH Open Loop Spatial Multiplexing 2x2 for CA (7DL CA) | 16.7.0 | 16.8.0 |
| 2021-03 | RAN#91 | R5-210406 | 5248 | - | Introduction of FDD PDSCH Single Antenna Port Performance for CA (7DL CA) | 16.7.0 | 16.8.0 |
| 2021-03 | RAN#91 | R5-210407 | 5249 | - | Update to Applicability and test rules for different CA configurations for 6DL CA test cases | 16.7.0 | 16.8.0 |
| 2021-03 | RAN#91 | R5-210409 | 5250 | - | Update to TDD FDD 7DL CA PDSCH Closed Loop Multi Layer Spatial Multiplexing 4x2 Performance test cases | 16.7.0 | 16.8.0 |
| 2021-03 | RAN#91 | R5-210410 | 5251 | - | Update to TDD FDD 7DL CA PDSCH Open Loop Spatial Multiplexing 2x2 Performance test cases | 16.7.0 | 16.8.0 |
| 2021-03 | RAN#91 | R5-210411 | 5252 | - | Update to TDD FDD 7DL CA Single Antenna Port Performance test cases | 16.7.0 | 16.8.0 |
| 2021-03 | RAN#91 | R5-210549 | 5253 | - | Adding subPRB allocation to test case 6.2.3EC, Maximum Power Reduction (MPR) for UE category M2 | 16.7.0 | 16.8.0 |
| 2021-03 | RAN#91 | R5-210550 | 5254 | - | Core spec alignment, adding missing note in test case 8.11.1.2.3.1 | 16.7.0 | 16.8.0 |
| 2021-03 | RAN#91 | R5-210552 | 5255 | - | Adding subPRB allocation to 6.5.2.1EA.2, PUSCH-EVM with exclusion period for UE category M1 | 16.7.0 | 16.8.0 |
| 2021-03 | RAN#91 | R5-210553 | 5256 | - | Adding subPRB allocation to 6.5.2.2EA and 6.5.2.2EC | 16.7.0 | 16.8.0 |
| 2021-03 | RAN#91 | R5-210558 | 5257 | - | Adding subPRB allocation to 6.6.2.1EC, Spectrum Emission Mask for UE category M2 | 16.7.0 | 16.8.0 |
| 2021-03 | RAN#91 | R5-210559 | 5258 | - | Adding subPRB allocation to 6.6.2.3EC, Adjacent Channel Leakage power Ratio for UE category M2 | 16.7.0 | 16.8.0 |
| 2021-03 | RAN#91 | R5-210560 | 5259 | - | Adding subPRB allocation to 6.6.3EA.1, Transmitter Spurious emissions for UE category M1 | 16.7.0 | 16.8.0 |
| 2021-03 | RAN#91 | R5-210562 | 5260 | - | Adding band 7,42, 43 to Rx test cases for cat M2 | 16.7.0 | 16.8.0 |
| 2021-03 | RAN#91 | R5-210776 | 5261 | - | Correction to the physical configuration for sTTI RF test cases | 16.7.0 | 16.8.0 |
| 2021-03 | RAN#91 | R5-210777 | 5262 | - | Correction to the physical configuration for sTTI Demod test cases | 16.7.0 | 16.8.0 |
| 2021-03 | RAN#91 | R5-210778 | 5263 | - | Correction to the physical configuration for sTTI CQI reporting test cases | 16.7.0 | 16.8.0 |
| 2021-03 | RAN#91 | R5-210875 | 5269 | - | Update of 6.6.2.3\_1 ACLR for HPUE | 16.7.0 | 16.8.0 |
| 2021-03 | RAN#91 | R5-211257 | 5274 | - | Update for Band 48 in test case 6.2.2 | 16.7.0 | 16.8.0 |
| 2021-03 | RAN#91 | R5-211258 | 5275 | - | Editorial Correction in test case 7.3A9 | 16.7.0 | 16.8.0 |
| 2021-03 | RAN#91 | R5-211749 | 5242 | 1 | Addition of new test case 9.6.1.1\_A.6 | 16.7.0 | 16.8.0 |
| 2021-03 | RAN#91 | R5-211750 | 5243 | 1 | Addition of new test case 9.6.1.2\_A.6 | 16.7.0 | 16.8.0 |
| 2021-03 | RAN#91 | R5-211751 | 5245 | 1 | Addition of the definition of CA capability with 6DL and 7DL CCs | 16.7.0 | 16.8.0 |
| 2021-03 | RAN#91 | R5-211755 | 5264 | 1 | Addition of new test case 6.6.2.1\_s SEM for sTTI | 16.7.0 | 16.8.0 |
| 2021-03 | RAN#91 | R5-211756 | 5266 | 1 | Addition of new test case 6.6.2.3\_s ACLR for sTTI | 16.7.0 | 16.8.0 |
| 2021-03 | RAN#91 | R5-211783 | 5268 | 1 | Update of 6.2.3A.1\_3 Maximum Power Reduction for CA and HPUE | 16.7.0 | 16.8.0 |
| 2021-03 | RAN#91 | R5-211834 | 5271 | 1 | Addition of band 7, 42, 43 and 65 for UE category M1 and NB1 to clause 5 | 16.7.0 | 16.8.0 |
| 2021-03 | RAN#91 | R5-211835 | 5272 | 1 | Addition of band 7, 42, 43 and 65 for UE category M1 and NB1 to clause 6 | 16.7.0 | 16.8.0 |
| 2021-03 | RAN#91 | R5-211903 | 5265 | 1 | Addition of new test case 6.6.2.2\_s A-SEM for sTTI | 16.7.0 | 16.8.0 |
| 2021-03 | RAN#91 | R5-211920 | 5270 | 1 | Correction to A-MPR test requirement of NS\_22 in TC 6.2.4 | 16.7.0 | 16.8.0 |
| 2021-06 | RAN#92 | R5-212049 | 5276 | - | Addition of 41A-48A to Table 7.3A.3.5-1 | 16.8.0 | 16.9.0 |
| 2021-06 | RAN#92 | R5-212050 | 5277 | - | Addition of 41-48 combos to Table 7.3A.5.5-5 | 16.8.0 | 16.9.0 |
| 2021-06 | RAN#92 | R5-212052 | 5279 | - | Add support for 41-48 CA combos to Table 7.3A.10.5-4 | 16.8.0 | 16.9.0 |
| 2021-06 | RAN#92 | R5-212054 | 5280 | - | Editorial of section header in Table 7.3A.10.4.1-1 to indicate support for existing default combos | 16.8.0 | 16.9.0 |
| 2021-06 | RAN#92 | R5-212055 | 5281 | - | Addition of XC-YD and YD-XC default test settings to Table 7.5A.8.4.1-1 and new CA configurations to Table 7.5A.8.4.2-1 | 16.8.0 | 16.9.0 |
| 2021-06 | RAN#92 | R5-212056 | 5282 | - | Addition of XC-YD and YD-XC default test settings to Table 7.6.1A.8.4.1-1 and new CA configurations to Table 7.6.1A.8.4.2-1 | 16.8.0 | 16.9.0 |
| 2021-06 | RAN#92 | R5-212057 | 5283 | - | Add Band 48 to Note 5 in Table 7.6.2A.0-0 | 16.8.0 | 16.9.0 |
| 2021-06 | RAN#92 | R5-212058 | 5284 | - | Addition of XC-YD and YD-XC default test settings to Table 7.6.2A.8.4.1-1 and new CA configurations to Table 7.6.2A.8.4.2-1 | 16.8.0 | 16.9.0 |
| 2021-06 | RAN#92 | R5-212059 | 5285 | - | Addition of XC-YD and YD-XC default test settings to Table 7.6.3A.8.4.1-1 and to Table 7.6.3A.8.4.2-1 | 16.8.0 | 16.9.0 |
| 2021-06 | RAN#92 | R5-212061 | 5286 | - | Addition of XC-YD and YD-XC default test settings to Table 7.8.1A.8.4.1-1 and Table 7.8.1A.8.4.2-1 | 16.8.0 | 16.9.0 |
| 2021-06 | RAN#92 | R5-212402 | 5291 | - | Introduction of TDD PDSCH Open Loop Spatial Multiplexing 2x2 for CA (6DL CA) | 16.8.0 | 16.9.0 |
| 2021-06 | RAN#92 | R5-212403 | 5292 | - | Introduction of TDD PDSCH Single Antenna Port Performance for CA (6DL CA) | 16.8.0 | 16.9.0 |
| 2021-06 | RAN#92 | R5-212404 | 5293 | - | Introduction of TDD PDSCH Single Antenna Port Performance for CA (7DL CA) | 16.8.0 | 16.9.0 |
| 2021-06 | RAN#92 | R5-212405 | 5294 | - | Introduction of TDD PDSCH Open Loop Spatial Multiplexing 2x2 for CA (7DL CA) | 16.8.0 | 16.9.0 |
| 2021-06 | RAN#92 | R5-212406 | 5295 | - | Update to FDD PDSCH Closed Loop Multi Layer Spatial Multiplexing 4x2 for CA (7DL CA) | 16.8.0 | 16.9.0 |
| 2021-06 | RAN#92 | R5-212407 | 5296 | - | Update to FDD PDSCH Open Loop Spatial Multiplexing 2x2 for CA (7DL CA) | 16.8.0 | 16.9.0 |
| 2021-06 | RAN#92 | R5-212408 | 5297 | - | Update to FDD PDSCH Single Antenna Port Performance for CA (7DL CA) | 16.8.0 | 16.9.0 |
| 2021-06 | RAN#92 | R5-212602 | 5298 | - | Correction of band 71 in cat M2 MPR test case, 6.2.3EC | 16.8.0 | 16.9.0 |
| 2021-06 | RAN#92 | R5-212630 | 5299 | - | Updating annex F for cat NB2 test cases for new frequency bands | 16.8.0 | 16.9.0 |
| 2021-06 | RAN#92 | R5-212633 | 5301 | - | Adding PC6 in efeMTC Tx test cases | 16.8.0 | 16.9.0 |
| 2021-06 | RAN#92 | R5-212639 | 5303 | - | Adding subPRB allocation in efeMTC Tx test cases | 16.8.0 | 16.9.0 |
| 2021-06 | RAN#92 | R5-212641 | 5304 | - | Remove CRS muting from CE mode B test cases | 16.8.0 | 16.9.0 |
| 2021-06 | RAN#92 | R5-212672 | 5305 | - | Addition of band 42 and 43 to A-MPR tests for a UE category M1 | 16.8.0 | 16.9.0 |
| 2021-06 | RAN#92 | R5-212673 | 5306 | - | Addition of band 7, 42, 43 and 65 to spurious emission for UE category M1 | 16.8.0 | 16.9.0 |
| 2021-06 | RAN#92 | R5-212752 | 5311 | - | Addition of new TC 7.6.1A.10 In-band blocking for 7DL CA | 16.8.0 | 16.9.0 |
| 2021-06 | RAN#92 | R5-212753 | 5312 | - | Addition of new TC 7.6.2A.10 OOB blocking for 7DL CA | 16.8.0 | 16.9.0 |
| 2021-06 | RAN#92 | R5-212754 | 5313 | - | Addition of new TC 7.6.3A.10 Narrow band blocking for 7DL CA | 16.8.0 | 16.9.0 |
| 2021-06 | RAN#92 | R5-212755 | 5314 | - | Addition of new TC 7.7A.10 Spurious response for 7DL CA | 16.8.0 | 16.9.0 |
| 2021-06 | RAN#92 | R5-212757 | 5315 | - | Addition of Table 7.1-2e for 7DL CA configurations | 16.8.0 | 16.9.0 |
| 2021-06 | RAN#92 | R5-212758 | 5316 | - | Update to Annexes F1.3 and F3.3 for 7DL TCs 7.6.1A.10 7.6.2A.10 7.6.3A.10 and 7.7A.10 | 16.8.0 | 16.9.0 |
| 2021-06 | RAN#92 | R5-212967 | 5317 | - | Correction to 6.6.2.3A.1\_3 ACLR for CA for HPUE | 16.8.0 | 16.9.0 |
| 2021-06 | RAN#92 | R5-212968 | 5318 | - | Update of 6.2.3A.1\_3 Maximum Power Reduction for CA and HPUE | 16.8.0 | 16.9.0 |
| 2021-06 | RAN#92 | R5-213317 | 5320 | - | Correction of RMCs for NB-IoT | 16.8.0 | 16.9.0 |
| 2021-06 | RAN#92 | R5-213830 | 5289 | 1 | Update to TDD sustained data rate performance for CA (5DL CA) | 16.8.0 | 16.9.0 |
| 2021-06 | RAN#92 | R5-213831 | 5290 | 1 | Update to TDD TDD CQI Reporting under AWGN conditions PUCCH 1-0 for CA (5DL CA) | 16.8.0 | 16.9.0 |
| 2021-06 | RAN#92 | R5-213963 | 5278 | 1 | Addition of XC-YC default test settings to Table 7.3A.9.4.1-1 and 41-48 combos to Table 7.3A.9.5-5 | 16.8.0 | 16.9.0 |
| 2021-06 | RAN#92 | R5-213991 | 5302 | 1 | Adding RMCs for subPRB allocation | 16.8.0 | 16.9.0 |
| 2021-06 | RAN#92 | R5-214014 | 5300 | 1 | Updating annex F for cat M1 test cases for new frequency bands | 16.8.0 | 16.9.0 |
| 2021-06 | RAN#92 | R5-214015 | 5307 | 1 | Addition of band 7, 42, 43, 65 to spurious emission band UE co-existence for cat NB1 and NB2 | 16.8.0 | 16.9.0 |
| 2021-06 | RAN#92 | R5-214033 | 5287 | 1 | Cleanup for spurious emission for UE co-existence table for LTE non CA | 16.8.0 | 16.9.0 |
| 2021-06 | RAN#92 | R5-214034 | 5288 | 1 | Cleanup for spurious emission for UE co-existence table for LTE CA bands | 16.8.0 | 16.9.0 |
| 2021-06 | RAN#92 | R5-214035 | 5321 | 1 | Update of spurious emission band UE co-existence | 16.8.0 | 16.9.0 |
| 2021-06 | RAN#92 | R5-214036 | 5319 | 1 | Correction of Reference Sensitivity for CA test cases | 16.8.0 | 16.9.0 |
| 2021-09 | RAN#93 | R5-214329 | 5322 | - | Introduction of eFD-MIMO in FDD demod test with aperiodic ZP CSI-RS | 16.9.0 | 16.10.0 |
| 2021-09 | RAN#93 | R5-214330 | 5323 | - | Introduction of eFD-MIMO in TDD demod test with aperiodic ZP CSI-RS | 16.9.0 | 16.10.0 |
| 2021-09 | RAN#93 | R5-214714 | 5324 | - | Adding test point with subPRB allocation in test case 6.2.3EA, 6.6.2.1EA, 6.6.2.3EA | 16.9.0 | 16.10.0 |
| 2021-09 | RAN#93 | R5-214716 | 5325 | - | Added subPRB allocation to cat M1 test cases, 6.2.4EA, 6.6.2.2EA and 6.6.3EA.3 for NS\_07 | 16.9.0 | 16.10.0 |
| 2021-09 | RAN#93 | R5-214717 | 5326 | - | Brackets for MPR values for subPRB allocation removed | 16.9.0 | 16.10.0 |
| 2021-09 | RAN#93 | R5-214718 | 5327 | - | Correcting test point for subPRB allocation in test case 6.5.2.1EA.2 | 16.9.0 | 16.10.0 |
| 2021-09 | RAN#93 | R5-214722 | 5328 | - | Updates to Tx test case 6.6.3EA.2 for release-16 | 16.9.0 | 16.10.0 |
| 2021-09 | RAN#93 | R5-214723 | 5329 | - | Updates to Rx test cases 7.3EA, 7.6.1EA, 7.6.2EA for new release-16 bands for cat M1 | 16.9.0 | 16.10.0 |
| 2021-09 | RAN#93 | R5-214844 | 5331 | - | Cleanup for TS 36.521-1 spurious emission for UE co-existence for CA tables | 16.9.0 | 16.10.0 |
| 2021-09 | RAN#93 | R5-215040 | 5333 | - | Addition of band 42 and 43 to A-MPR tests for a UE category M2 | 16.9.0 | 16.10.0 |
| 2021-09 | RAN#93 | R5-215106 | 5334 | - | Adding NB TDD testing into 7.6.1F | 16.9.0 | 16.10.0 |
| 2021-09 | RAN#93 | R5-215109 | 5335 | - | Cleaning up UE categories requirement for 16QAM test points | 16.9.0 | 16.10.0 |
| 2021-09 | RAN#93 | R5-215122 | 5337 | - | Editorial, correcting format in test case 6.6.3EA.3 | 16.9.0 | 16.10.0 |
| 2021-09 | RAN#93 | R5-215331 | 5345 | - | Correction to Reference Channel Parameters in UE Category M1 | 16.9.0 | 16.10.0 |
| 2021-09 | RAN#93 | R5-215361 | 5346 | - | Updates to Tx test case 6.6.3EC.2 for release-16 | 16.9.0 | 16.10.0 |
| 2021-09 | RAN#93 | R5-215374 | 5347 | - | Update to V2X test cases | 16.9.0 | 16.10.0 |
| 2021-09 | RAN#93 | R5-215482 | 5348 | - | Editorial corrections in Reference Sensitivity for CA tests | 16.9.0 | 16.10.0 |
| 2021-09 | RAN#93 | R5-215484 | 5350 | - | Correction for CA\_21A-28A in test case 7.3A.3 | 16.9.0 | 16.10.0 |
| 2021-09 | RAN#93 | R5-215922 | 5332 | 1 | Update of Rx Test Cases for CA\_66A-66A-66A | 16.9.0 | 16.10.0 |
| 2021-09 | RAN#93 | R5-216004 | 5330 | 1 | Cleanup for TS 36.521-1 spurious emission for UE co-existence table (non CA) | 16.9.0 | 16.10.0 |
| 2021-09 | RAN#93 | R5-216005 | 5349 | 1 | Update of MPR, ACLR, SEM CA test cases | 16.9.0 | 16.10.0 |
| 2021-09 | RAN#93 | R5-216026 | 5338 | 1 | Update of Test Case 6.2.4A.4 Additional Maximum Power Reduction (A-MPR) for CA (3UL CA) | 16.9.0 | 16.10.0 |
| 2021-12 | RAN#94 | R5-217153 | 5373 | - | Removal of technical content in 36.521-1 v16.10.0 and substitution with pointer to the next Release | 16.10.0 | 16.11.0 |