



Technical Specification

**LTE;
Evolved Universal Terrestrial Radio Access (E-UTRA);
User Equipment (UE) conformance specification;
Radio transmission and reception;
Part 1: Conformance testing
(3GPP TS 36.521-1 version 11.4.0 Release 11)**



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Foreword

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The cross reference between GSM, UMTS, 3GPP and ETSI identities can be found under <http://webapp.etsi.org/key/queryform.asp>.

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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.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

[1] to [16] (void)

[17] 3GPP TS 36.521-1 Release 12: "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

Void

4 General

The requirements of the present document are provided in 3GPP TS 36.521-1 Release 12 [17].

5 to 10 Void

Annex A to I: Void

Annex J (informative): Change history

Change history							
Date	TSG #	TSG Doc.	CR	R ev	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	0.1.1	0.2.0

Change history							
Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
					R5-081409 Annex structure for Measurement uncertainty & Test Tools R5-081405 Text Proposal for TS36.521-1 TC7.6 Blocking Characteristics R5-081406 Text Proposal for TS36.521-1 TC7.7 Spurious Response R5-081403 Text Proposal for TS36.521-1 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		
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 TS36.521-1 TC7.6 Blocking Characteristics R5-082154: Text Proposal for TS36.521-1 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	0.3.0	1.0.0

Change history							
Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
					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		
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

Change history								
Date	TSG #	TSG Doc.	CR	R ev	Subject/Comment	Old	New	
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	

Change history							
Date	TSG #	TSG Doc.	CR	R ev	Subject/Comment	Old	New
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 fro F-DPCH to HSPA 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

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Date	TSG #	TSG Doc.	CR	R ev	Subject/Comment	Old	New
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 formatings	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

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Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
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

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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 PDSCCH 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

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Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
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

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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	-	Pcmx 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 network 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 OCN 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

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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 $\frac{1}{T}$ -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	-	lot 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

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Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
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	-	lot 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	9.5.0	9.6.0

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Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
					of Band 3		
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 TS36.521-1	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

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Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
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	R5-120080	0587	-	Removal of technical content in 36.521-1 v9.7.0 and substitution with pointer to the next Release	10.0.0	10.1.0
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

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Date	TSG #	TSG Doc.	CR	R ev	Subject/Comment	Old	New
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 Intra-band 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	10.1.0	10.2.0

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					8.7.2		
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	10.2.0	10.3.0

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					UL-MIMO		
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

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Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
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 CI 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

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Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
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

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Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
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

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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

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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 CI 8.1.1: Update of the CA capability table	10.3.0	10.4.0
2012-12	RAN#58	R5-124013	0852	-	RF CI 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 coexistence 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

Change history							
Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
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

Change history							
Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
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

Change history							
Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
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	10.5.0	11.0.0

Change history							
Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
					CA_7-20 (inter-band DL CA without UL CA)		

Change history							
Date	TSG #	TSG Doc.	CR	R ev	Subject/Comment	Old	New
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

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Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
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	R5-131085	0973	-	Removal of technical content in 36.521-1 v10.5.0 and substitution with pointer to the next Release	11.0.1	11.1.0
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

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Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
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 lmcfs 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

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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-	11.0.1	11.1.0

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					band DL CA without UL CA)		

Change history							
Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
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

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Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
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

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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 & 9.4.1.2.1 and 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	11.1.0	11.2.0

Change history							
Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
					for CA_5A-12A (intra-band contiguous DL CA and UL CA)		

Change history							
Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
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 OCN 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-bandNon-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	11.2.0	11.3.0

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Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
					Transmit Diversity 2x2 for felCIC (non-MBSFN ABS)		

Change history							
Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
2013-12	RAN#62	R5-134175	1170	-	Introduction of TC 8.4.1.2.3_E.2 FDD PCFICH/PDCCH Transmit Diversity 2x2 for felCIC (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 felCIC (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 felCIC (MBSFN ABS)	11.2.0	11.3.0
2013-12	RAN#62	R5-134178	1173	-	Introduction of Demodulation felCIC 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 felCIC (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 felCIC (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 felCIC (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 felCIC (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 felCIC (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 felCIC (non-MBSFN ABS)	11.2.0	11.3.0
2013-12	RAN#62	R5-134185	1180	-	Introduction of Reporting of Channel State Information felCIC 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

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Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
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 P _{cm}	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,	11.2.0	11.3.0

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Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
					6.6.2.3A and 6.6.3.3A		
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
2014-03	RAN#63	R5-140125	1263	-	Removal of technical content in 36.521-1 v11.3.0 and substitution with pointer to the next Release	11.3.0	11.4.0

History

Document history		
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