ETSI TS 134 122 V10.1.0 (2012-03)

Technical Specification

Universal Mobile Telecommunications System (UMTS);
Terminal conformance specification;
Radio transmission and reception (TDD)
(3GPP TS 34.122 version 10.1.0 Release 10)

Reference
RTS/TSGR-0534122va10

Keywords
UMTS

ETSI

650 Route des Lucioles
F-06921 Sophia Antipolis Cedex - FRANCE

Tel.: +33 4 92 94 42 00   Fax: +33 4 93 65 47 16

Siret N° 348 623 562 00017 - NAF 742 C
Association à but non lucratif enregistrée à la
Sous-Préfecture de Grasse (06) N° 7803/88

Important notice

Individual copies of the present document can be downloaded from:
http://www.etsi.org

The present document may be made available in more than one electronic version or in print. In any case of existing or perceived difference in contents between such versions, the reference version is the Portable Document Format (PDF). In case of dispute, the reference shall be the printing on ETSI printers of the PDF version kept on a specific network drive within ETSI Secretariat.

Users of the present document should be aware that the document may be subject to revision or change of status. Information on the current status of this and other ETSI documents is available at
http://portal.etsi.org/tb/status/status.asp

If you find errors in the present document, please send your comment to one of the following services:
http://portal.etsi.org/chaircor/ETSI_support.asp

Copyright Notification

ETSI

Intellectual Property Rights

IPRs essential or potentially essential to the present document may have been declared to ETSI. The information pertaining to these essential IPRs, if any, is publicly available for **ETSI members and non-members**, and can be found in ETSI SR 000 314: *"Intellectual Property Rights (IPRs); Essential, or potentially Essential, IPRs notified to ETSI in respect of ETSI standards"*, which is available from the ETSI Secretariat. Latest updates are available on the ETSI Web server (http://ipr.etsi.org).

Pursuant to the ETSI IPR Policy, no investigation, including IPR searches, has been carried out by ETSI. No guarantee can be given as to the existence of other IPRs not referenced in ETSI SR 000 314 (or the updates on the ETSI Web server) which are, or may be, or may become, essential to the present document.

Foreword

This Technical Specification (TS) has been produced by ETSI 3rd Generation Partnership Project (3GPP).

The present document may refer to technical specifications or reports using their 3GPP identities, UMTS identities or GSM identities. These should be interpreted as being references to the corresponding ETSI deliverables.

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

Contents

Foreword

This Technical Specification (TS) 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.

1 Scope

This present document specifies the measurement procedure for the conformance test of the mobile station that contain transmitting characteristics, receiving characteristics and performance requirements in addition to requirements for support of RRM (Radio Resource Management) in both UTRATDD modes. The two options are the 3,84 Mcps TDD Option and 1,28 Mcps TDD Option, respectively.

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 5 and later UE declared to support HSDPA 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 [34]   (void)

[35]   3GPP TS 34.122 Release 11: "Terminal conformance specification; Radio transmission and reception (TDD)".

3 Definitions, abbreviations and equations

Void

4 Frequency bands and channel arrangement

The requirements of the present document are provided in 3GPP TS 34.122 Release 11 [35].

5 to 11: Void

Annex A to I: Void

Annex J (informative): Change history

Meeting -1st-Level	Doc-1st-Level	CR	Rev	Subject	Cat	Version- Current	Version -New	Doc-2nd-Level
TP-22	TP-030281	181	1	Addition of LCR GSM neighbour reporting	F	4.9.0	5.0.0	T1-031615
TP-22	TP-030281	182	1	Addition of LCR GSM handover test	F	4.9.0	5.0.0	T1-031616
TP-22	TP-030281	183	1	Update to LCR GSM RSSI measurement	F	4.9.0	5.0.0	T1-031617
TP-22	TP-030281	184	1	Update to inter frequency measurements	F	4.9.0	5.0.0	T1-031618
TP-22	TP-030281	185	1	Correction of LCR ISCP test case	F	4.9.0	5.0.0	T1-031619
TP-22	TP-030281	186	1	Addition of TDD HSDPA section & creation Rel 5	B	4.9.0	5.0.0	T1-031620
TP-22	TP-030281	187	1	HSDPA HS DSCH throughput (fixed and variable)	B	4.9.0	5.0.0	T1-031621
TP-22	TP-030281	188	1	Addition of Reporting of HS DSCH CQI	B	4.9.0	5.0.0	T1-031622
TP-22	TP-030281	189	1	Addition of HS-SCCH Detection Performance	B	4.9.0	5.0.0	T1-031623
RP-29	RP-050514	190	-	CR to 34.122 Rel-5: Correction to Cell Re-selection in CELL_FACH for 1.28Mcps TDD	F	5.0.0	5.1.0	R5-051217
RP-29	RP-050514	191	-	CR to 34.122 Rel-5: Correction to Cell Re-selection in idle for 1.28Mcps TDD	F	5.0.0	5.1.0	R5-051218
RP-29	RP-050514	192	-	CR to 34.122 Rel-5:Correction to UE Measurements Procedures for 1.28Mcps TDD	F	5.0.0	5.1.0	R5-051219
RP-29	RP-050514	193	-	CR to 34.122 Rel-5:Correction to UE Measurements Performance Requirements for 1.28Mcps TDD	F	5.0.0	5.1.0	R5-051220
RP-30	RP-050777	194	-	Adding terminal Baseline and Service Implementation Capabilities of 1.28Mcps TDD	F	5.1.0	5.2.0	R5-051886
RP-30	RP-050777	195	-	Correction to power control downlink – 1.28 Mcps TDD option	F	5.1.0	5.2.0	R5-051887
RP-30	RP-050777	196	-	Correction to blocking exceptions for 1.28 Mcps TDD option	F	5.1.0	5.2.0	R5-051888
RP-30	RP-050777	197	-	Name correction of logical and transport channels	F	5.1.0	5.2.0	R5-051889
RP-30	RP-050777	198	-	Correction to power definitions	F	5.1.0	5.2.0	R5-051890
RP-30	RP-050777	199	-	Completing 1.28Mcps TDD/FDD cell reselection in idle mode	F	5.1.0	5.2.0	R5-051891
RP-30	RP-050777	200	-	Adding OCNS_Ec/Ior and correcting Ioc	F	5.1.0	5.2.0	R5-051892
RP-30	RP-050777	201	-	Correction of Cell Re-selection in CELL_FACH	F	5.1.0	5.2.0	R5-051893
RP-31	RP-060163	202	-	Correcting cell reselection test procedure	F	5.2.0	5.3.0	R5-060453
RP-31	RP-060146	203	-	Adding statistical Testing of HSDPA Receiver Performance	F	5.2.0	5.3.0	R5-060034
RP-31	RP-060146	204	-	Completing the test of reporting of HS-DSCH Channel Quality Indicator	F	5.2.0	5.3.0	R5-060033
RP-31	RP-060146	205	-	Completing HS-SCCH Detection Performance test	F	5.2.0	5.3.0	R5-060032
RP-31	RP-060146	206	-	Completing HS-DSCH throughput for variable reference channels	F	5.2.0	5.3.0	R5-060031
RP-31	RP-060146	207	-	Completing HS-DSCH throughput for fixed reference channels	F	5.2.0	5.3.0	R5-060030
RP-31	RP-060146	208	-	Adding general test conditions and declarations for HSDPA	F	5.2.0	5.3.0	R5-060029
RP-32	RP-060329	209	-	Update of HCR reference channels	F	5.3.0	5.4.0	R5-061150
RP-32	RP-060328	210	-	Correcting the handover delay for 1.28Mcps TDD option	F	5.3.0	5.4.0	R5-061426
RP-32	RP-060328	211	-	Correcting inter RAT cell re-selection for 1.28Mcps TDD option	F	5.3.0	5.4.0	R5-061427
RP-32	RP-060336	212	-	Addition of HCR HS-DSCH throughput for fixed reference channels	F	5.3.0	5.4.0	R5-061142
RP-32	RP-060336	213	-	Addition of HCR HS-DSCH throughput for variable reference channels	F	5.3.0	5.4.0	R5-061143
RP-32	RP-060336	214	-	Addition of HCR reporting of HS-DSCH channel quality indicator	F	5.3.0	5.4.0	R5-061144
RP-32	RP-060336	215	-	Addition of HCR HSDPA reference channels	F	5.3.0	5.4.0	R5-061145
RP-32	RP-060336	216	-	Addition of HCR multi-path fading environments for HSDPA performance requirements	F	5.3.0	5.4.0	R5-061146
RP-32	RP-060336	217	-	Addition of statistical testing of HSDPA receiver performance for HCR to Annex F	F	5.3.0	5.4.0	R5-061147
RP-33	RP-060552	218	-	Correction to Handover to GSM for 1.28Mcps TDD option	F	5.4.0	5.5.0	R5-062124
RP-33	RP-060552	219	-	Correcting the RRC re-establishment delay for 1.28Mcps TDD option	F	5.4.0	5.5.0	R5-062125
RP-33	RP-060552	220	-	Correcting the statistical testing of receiver BER/BLER performance	F	5.4.0	5.5.0	R5-062126
RP-33	RP-060552	221	-	Correcting the statistical testing of RRM delay performance	F	5.4.0	5.5.0	R5-062128

RP-33	RP-060549	222	-	Clarification of Tx spurious emission level from 3.84 Mcps TDD UE into PHS band.	F	5.4.0	5.5.0	R5-062267_r1
RP-34	RP-060732	223	-	Adding test case of GSM measurement of without BSIC verification required	F	5.5.0	5.6.0	R5-063106
RP-34	RP-060732	224	-	Correction to GSM measurement for 1.28Mcps TDD option	F	5.5.0	5.6.0	R5-063154
RP-34	RP-060747	225	-	HS-SCCH detection test for HCR TDD	F	5.5.0	5.6.0	R5-063218
RP-35	RP-070104	228		Correcting the inter frequency measurement for 1.28Mcps TDD option	F	5.6.0	5.7.0	R5-070119
RP-35	RP-070104	229		Correcting the intra frequency measurement test case for 1.28Mcps TDD option	F	5.6.0	5.7.0	R5-070120
RP-35	RP-070104	230		Correcting the test case of open loop power control for 1.28Mcps TDD option	F	5.6.0	5.7.0	R5-070121
RP-35	RP-070104	231		Adding the test criteria in RRM test cases for 1.28Mcps TDD option	F	5.6.0	5.7.0	R5-070122
RP-35	RP-070104	232		Adding test case of Timing Advance for 1.28Mcps TDD option	F	5.6.0	5.7.0	R5-070123
RP-35	RP-070105	227		34.122 v5.7.0 pointer to Release 6 version	F	5.6.0	5.7.0	R5-070076
RP-35	RP-070111	226		34.122 v6.0.0 pointer to Release 7 version	F	5.6.0	6.0.0	R5-070075
RP-35	RP-070091	233		Addition of 7.68Mcps to Frequency bands and channel arrangement (section 4 of 34.122)	F	5.6.0	7.0.0	R5-070175
RP-35	RP-070091	234		Addition of 7.68Mcps tests to transmitter characteristics (section 5 of 34.122)	F	5.6.0	7.0.0	R5-070538
RP-35	RP-070091	235		Addition of 7.68Mcps tests to receiver characteristics (section 6 of 34.122)	F	5.6.0	7.0.0	R5-070539
RP-35	RP-070091	236		Addition of 7.68Mcps tests to performance requirements (section 7 of 34.122)	F	5.6.0	7.0.0	R5-070178
RP-35	RP-070091	237		Addition of 7.68Mcps tests to connected mode mobility requirements for support of RRM (section 8.3 of 34.122)	F	5.6.0	7.0.0	R5-070540
RP-35	RP-070091	238		Addition of 7.68Mcps tests to RRC connection control for support of RRM (section 8.4 of 34.122)	F	5.6.0	7.0.0	R5-070180
RP-35	RP-070091	239		Addition of 7.68Mcps tests to idle mode requirements for support of RRM (section 8.2 of 34.122)	F	5.6.0	7.0.0	R5-070181
RP-35	RP-070091	240		Addition of 7.68Mcps tests to UE measurement procedures (section 8.6 of 34.122)	F	5.6.0	7.0.0	R5-070182
RP-35	RP-070091	241		Addition of 7.68Mcps tests to measurements performance requirements (section 8.7 of 34.122)	F	5.6.0	7.0.0	R5-070183
RP-35	RP-070091	242		Addition of 7.68Mcps tests to timing charcteristics for support of RRM (section 8.5 of 34.122)	F	5.6.0	7.0.0	R5-070184
RP-35	RP-070091	243		Addition of 7.68Mcps tests to Performance requirements for HSDPA (section 9 of 34.122)	F	5.6.0	7.0.0	R5-070541
RP-35	RP-070091	244		Addition of 7.68Mcps reference measurement channels to Annex C of 34.122	F	5.6.0	7.0.0	R5-070542
RP-35	RP-070091	245		Addition of 7.68Mcps propagation conditions to Annex D of 34.122	F	5.6.0	7.0.0	R5-070543
RP-35	RP-070091	246		Addition of 7.68Mcps cases to Annex F of 34.122	F	5.6.0	7.0.0	R5-070544
RP-35	RP-070091	247		Addition of 7.68Mcps to Annex H of 34.122	F	5.6.0	7.0.0	R5-070545
RP-35	RP-070091	248		Addition of 7.68Mcps messages to Annex I of 34.122	F	5.6.0	7.0.0	R5-070190
RP-35	RP-070092	249		Addition of measurement parameters for MBMS tests to Annex C of 34.122	F	5.6.0	7.0.0	R5-070192
RP-35	RP-070093	250		Addition of E-DCH reference measurement channels for E-DCH tests to Annex C of 34.122	F	5.6.0	7.0.0	R5-070191
RP-36	RP-070366	251		Addition of E-AGCH demodulation performance tests for 3.84 and 7.68Mcps TDD	F	7.0.0	7.1.0	R5-071281
RP-36	RP-070364	252		Addition of Scenario 2C: 3,84 Mcps TDD cell re-selection for 7,68 Mcps TDD UE (section 8 of 34.122)	F	7.0.0	7.1.0	R5-071285
RP-36	RP-070365	253		MTCH demodulation tests for 3.84 and 7.68Mcps TDD	F	7.0.0	7.1.0	R5-071288
RP-36	RP-070364	254		Addition of Scenario 2D: 3,84 Mcps TDD cell re-selection for 7,68 Mcps TDD UE (section 8 of 34.122)	F	7.0.0	7.1.0	R5-071313
RP-36	RP-070344	255		Correcting the test requirement for 1.28Mcps TDD option	F	7.0.0	7.1.0	R5-071425
RP-36	RP-070344	256		Correcting the message content for 1.28Mcps TDD option	F	7.0.0	7.1.0	R5-071426
RP-36	RP-070344	257		Correcting the Spectrum emission mask for 1.28Mcps TDD option	F	7.0.0	7.1.0	R5-071427
RP-37	RP-070609	258	-	Addition of MCCH demodulation tests for 3.84Mcps and 7.68Mcps	F	7.1.0	7.2.0	R5-072294
RP-37	RP-070610	259	-	Addition of Detection of E-DCH HARQ ACK Indicator Channel (E-HICH) for 3.84Mcps and 7.68Mcps TDD	F	7.1.0	7.2.0	R5-072293
RP-37	RP-070616	260	-	Adding the test case of MTCH demodulation	F	7.1.0	7.2.0	R5-072382

				performance for 1.28Mcps TDD option				
RP-37	RP-070616	261	-	Adding the test case of MTCH demodulation and cell identification for 1.28Mcps TDD option	F	7.1.0	7.2.0	R5-072383
RP-38	RP-070876	262		Introduction of multi-frequency operation for LCR TDD and corrections	F	7.2.0	7.3.0	R5-073331
RP-38	RP-070876	263		Correcting the test case of maximum output power for 1.28Mcps TDD option	F	7.2.0	7.3.0	R5-073293
RP-38	RP-070876	264		Updating of HSDPA demodulation performance requirements for 1.28Mcps TDD option	F	7.2.0	7.3.0	R5-073294
RP-38	RP-070878	265		Deleting test case of MCCH demodulation requirement for 1.28Mcps TDD option	F	7.2.0	7.3.0	R5-073295
RP-38	RP-070878	266		Correcting test case of MTCH demodulation requirement for 1.28Mcps TDD option	F	7.2.0	7.3.0	R5-073296
RP-39	RP-080102	267		Correcting the pass fail decision rule in annex F6.3.5 for 1.28Mcps TDD option	F	7.3.0	7.4.0	R5-080389
RP-39	RP-080102	268		Adding the test tolerance of performance requiremet for 1.28Mcps TDD option	F	7.3.0	7.4.0	R5-080095
RP-39	RP-080102	269		Adding the test parameter of midamble allocation for performance requiremet for LCR TDD	F	7.3.0	7.4.0	R5-080096
RP-39	RP-080102	270		Adding the test case of maximum input level for HS-PDSCH reception for 1.28Mcps TDD option	F	7.3.0	7.4.0	R5-080097
RP-39	RP-080115	271		Adding the test case of E-HICH detection parameter for 1.28Mcps TDD Option	F	7.3.0	7.4.0	R5-080191
RP-39	RP-080115	272		Adding the test case of E-AGCH detection parameter for 1.28Mcps TDD Option	F	7.3.0	7.4.0	R5-080192
RP-40	RP-080377	0273		Adding the test case of E-AGCH detection parameters for 1.28Mcps TDD Option	F	7.4.0	7.5.0	R5-081103
RP-40	RP-080377	0274		Adding the test case of E-HICH detection parameter for 1.28Mcps TDD Option	F	7.4.0	7.5.0	R5-081104
RP-40	RP-080377	0275		Adding the test case of EVM with E-DCH16QAM for 1.28Mcps TDD Option	F	7.4.0	7.5.0	R5-081105
RP-40	RP-080365	0276		Modifiying the test parameter of HS-SCCH for 1.28Mcps TDD Options	F	7.4.0	7.5.0	R5-081106
RP-41	RP-080557	0277		Correction to test case RRC re-establishment delay to an known target cell test parameters	F	7.5.0	7.6.0	R5-083057
RP-41	RP-080557	0278		Correction to test case RRC re-establishment delay to an unknown target cell test parameters	F	7.5.0	7.6.0	R5-083058
RP-41	RP-080557	0279		Correcting the test case of spurious emissions	F	7.5.0	7.6.0	R5-083303
RP-41	RP-080557	0280		Adding the test tolerance of performance requirement for HSDPA	F	7.5.0	7.6.0	R5-083304
RP-41	RP-080569	0281		Adding the test case of MBSFN capable UE for LCR TDD	F	7.5.0	7.6.0	R5-083305
RP-41	RP-080568	0282		Addition of RF tests for MBSFN for 3.84Mcps and 7.68Mcps TDD	F	7.6.0	8.0.0	R5-083320
RP-41	RP-080568	0283		Update of annex with new test configuration and multi path channel definition required for MBSFN testing for 3.84Mcps and 7.68Mcps TDD	F	7.6.0	8.0.0	R5-083823
RP-41	RP-080565	0284		Adding the test case of UE Transmission Power Headroom for 1.28Mcps TDD Option	F	7.5.0	7.6.0	R5-083824
RP-41	RP-080561	0285		Update of Detection of E-DCH HARQ ACK Indicator Channel (E-HICH) and Demodulation of E-DCH Absolute Grant Channel (E-AGCH) tests for 3.84Mcps and 7.68Mcps TDD	F	7.6.0	8.0.0	R5-083826
RP-43	RP-090219	0286	-	Maximum Input Level for HS-PDSCH Reception (1.28TDD 64QAM)	F	8.0.0	8.1.0	R5-090249
RP-43	RP-090219	0287	-	Test requirements for HS-DSCH 64QAM 1.28TDD	F	8.0.0	8.1.0	R5-090251
RP-43	RP-090200	0288	-	Modifying the reference measurement channel and performance requirement of 384kbps for LCR TDD	F	8.0.0	8.1.0	R5-090331
RP-43	RP-090200	0289	-	Adding the additional requirement of Adjacent Channel Selectivity for LCR TDD	F	8.0.0	8.1.0	R5-090332
RP-43	RP-090200	0290	-	Correction Intra/Inter-frequency cell power level of cell re-selection and handover test cases for LCR TDD	F	8.0.0	8.1.0	R5-090333
RP-43	RP-090200	0291	-	Changing the tables of HSDPA reference measurement channels for LCR TDD	F	8.0.0	8.1.0	R5-090334
RP-43	RP-090200	0292	-	Changing the tables of E-DCH fixed reference channels for LCR TDD	F	8.0.0	8.1.0	R5-090335
RP-43	RP-090200	0293	-	Adding the test parameters of MBMS for LCR TDD	F	8.0.0	8.1.0	R5-090336
RP-43	RP-090200	0294	-	Modifying P-CCPCH RSCP intra frequency relative requirement for LCR TDD	F	8.0.0	8.1.0	R5-090337
RP-43	RP-090201	0295	-	Modifications of Test Parameters for LCR-TDD HSDPA Performance	F	8.0.0	8.1.0	R5-090540
RP-43	RP-090204	0296	-	Introduction of UE Transmitted Power	F	8.0.0	8.1.0	R5-091099
RP-44	RP-090448	0297	-	UTRA TDD to E-UTRA TDD cell reselection: E-UTRA is of lower priority scenario	F	8.1.0	8.2.0	R5-092313

RP-44	RP-090448	0298	-	UTRA TDD to E-UTRA TDD cell reselection: E-UTRA is of higher priority scenario	F	8.1.0	8.2.0	R5-092314
RP-44	RP-090434	0299	-	Correction on 64QAM Reference measurement channel for 1.28Mcps TDD	F	8.1.0	8.2.0	R5-092446
RP-44	RP-090434	0300	-	Correction on UPH reporting accuracy and UE transmitted power absolute accuracy requirements for 1.28Mcps TDD	F	8.1.0	8.2.0	R5-092447
RP-45	RP-090803	0301	-	Correction on the test case of MBSFN capable UE for LCR TDD	F	8.2.0	8.3.0	R5-094275
RP-45	RP-090801	0302	-	UTRA TDD to E-UTRA TDD Cell search	F	8.2.0	8.3.0	R5-094543
RP-45	RP-090801	0303	-	UTRA TDD to E-UTRA FDD Cell search	F	8.2.0	8.3.0	R5-094544
RP-45	RP-090801	0304	-	Add new spec references in 34.122	F	8.2.0	8.3.0	R5-094545
RP-45	RP-090798	0305	-	Corrections on LCR TDD 64QAM FRCs and requirements	F	8.2.0	8.3.0	R5-094954
RP-45	RP-090801	0306	-	Addition of the UTRA TDD to E-UTRA FDD handover test case	F	8.2.0	8.3.0	R5-094964
RP-45	RP-090801	0307	-	Addition of the UTRA TDD to E-UTRA TDD handover test case	F	8.2.0	8.3.0	R5-094965
RP-46	RP-091130	0308	-	Introduction of 3.84 Mcps TDD IMB option in 34.122	F	8.3.0	8.4.0	R5-095690
RP-46	RP-091130	0309	-	Receiver characteristics for 3.84 Mcps TDD IMB	F	8.3.0	8.4.0	R5-095692
RP-46	RP-091119	0310	-	Maximum output power with E-DCH for TDD And FRC	F	8.3.0	8.4.0	R5-095760
RP-46	RP-091130	0311	-	Tests to verify the demodulation of MTCH for 3.84 Mcps TDD IMB UEs	F	8.3.0	8.4.0	R5-095779
RP-46	RP-091119	0312	-	Adding Demodulation test case for LCR TDD 64QAM	F	8.3.0	8.4.0	R5-096094
RP-46	RP-091119	0313	-	Adding CQI test for LCR TDD 64QAM	F	8.3.0	8.4.0	R5-096095
RP-46	RP-091121	0314	-	Combined UTRA TDD - UTRA TDD and E-UTRA FDD cell search in fading	F	8.3.0	8.4.0	R5-096249
RP-46	RP-091130	0315	-	DL reference measurement parameters for 3.84 Mcps TDD IMB tests	F	8.3.0	8.4.0	R5-096279
RP-47	RP-100142	0316	-	maximum output power with multi-code for TDD	F	8.4.0	8.5.0	R5-100194
RP-47	RP-100142	0317	-	maximum output power with HS-SICH and DPCH for TDD	F	8.4.0	8.5.0	R5-100195
RP-47	RP-100142	0318	-	ACLR with HS-SICH and DPCH for TDD	F	8.4.0	8.5.0	R5-100196
RP-47	RP-100142	0319	-	Spectrum emission mask with HS-SICH and DPCH for TDD	F	8.4.0	8.5.0	R5-100197
RP-47	RP-100142	0320	-	EVM with HS-SICH and DPCH for TDD	F	8.4.0	8.5.0	R5-100198
RP-47	RP-100142	0321	-	Demodulation of DCH in birth-death conditions for TDD	F	8.4.0	8.5.0	R5-100199
RP-47	RP-100142	0322	-	Demodulation of DCH in moving conditions for TDD	F	8.4.0	8.5.0	R5-100200
RP-47	RP-100142	0323	-	HS-SICH and DPCH reference measurement channel	F	8.4.0	8.5.0	R5-100201
RP-47	RP-100142	0324	-	Moving conditions for TDD	F	8.4.0	8.5.0	R5-100202
RP-47	RP-100142	0325	-	Birth-Death conditions for TDD	F	8.4.0	8.5.0	R5-100203
RP-47	RP-100142	0326	-	E-TFC selection in UE	F	8.4.0	8.5.0	R5-100204
RP-47	RP-100142	0327	-	Serving HS-DSCH cell change	F	8.4.0	8.5.0	R5-100205
RP-47	RP-100142	0344	-	Test case of E-UTRA TDD RSRP absolute accuracy in UTRAN TDD mode	F	8.4.0	8.5.0	R5-100208
RP-47	RP-100142	0345	-	Test case of E-UTRA TDD RSRQ absolute accuracy in UTRAN TDD mode	F	8.4.0	8.5.0	R5-100209
RP-47	RP-100158	0346	-	Introduction of HS-DSCH Performance test case for MIMO of 1.28Mcps TDD	F	8.4.0	8.5.0	R5-100390
RP-47	RP-100142	0328	-	Addition of BLER requirements for 3.84 Mcps TDD IMB receiver characteristics	F	8.4.0	8.5.0	R5-100413
RP-47	RP-100138	0329	-	Reorganization and update of section 9.3.1 HS-DSCH throughput for Fixed Reference Channels	F	8.4.0	8.5.0	R5-100423
RP-47	RP-100138	0330	-	Reorganization and update of section 9.3.2 HS-DSCH throughput for Variable Reference Channels	F	8.4.0	8.5.0	R5-100424
RP-47	RP-100138	0331	-	Reorganization and update of section 9.3.3 Reporting of HS-DSCH Channel Quality Indicator	F	8.4.0	8.5.0	R5-100425
RP-47	RP-100138	0332	-	Addition of new test case-UTRAN to GSM Cell Re-Selection: HCS with only UTRA level changed for 1,28 Mcps TDD Option	F	8.4.0	8.5.0	R5-100426

RP-47	RP-100138	0333	-	Addition of test case-Cell Re-selection in CELL_FACH: Cell Reselection to GSM for 1,28 Mcps TDD	F	8.4.0	8.5.0	R5-100429
RP-47	RP-100138	0334	-	Addition of 2 test cases - Random Access for 1,28 Mcps TDD	F	8.4.0	8.5.0	R5-100430
RP-47	RP-100138	0335	-	Addition of test case - TDD/TDD Handover for 1,28 Mcps Option: Handover to inter-band cell: Scenario 2	F	8.4.0	8.5.0	R5-100431
RP-47	RP-100138	0336	-	Inter-band handover for 1.28Mcps TDD	F	8.4.0	8.5.0	R5-100477
RP-47	RP-100138	0337	-	Inter-band Cell Re-selection for 1.28Mcps TDD	F	8.4.0	8.5.0	R5-100478
RP-47	RP-100138	0338	-	Extension of P-CCPCH RSCP absolute accuracy requirement for 1.28Mcps TDD	F	8.4.0	8.5.0	R5-100484
RP-47	RP-100142	0339	-	UTRAN TDD - E-UTRAN FDD RSRP Measurement Accuracy Tests	F	8.4.0	8.5.0	R5-100870
RP-47	RP-100142	0340	-	UTRAN TDD - E-UTRAN FDD RSRQ Measurement Accuracy Tests	F	8.4.0	8.5.0	R5-100871
RP-47	RP-100141	0341	-	Combined UTRA TDD inter-frequency and GSM cell search under AWGN	F	8.4.0	8.5.0	R5-100884
RP-47	RP-100141	0342	-	UTRAN TDD to GSM Handover: Non-synchronization target cell Test Case	F	8.4.0	8.5.0	R5-100885
RP-47	RP-100158	0343	-	Introduction of CQI test case for MIMO of 1.28Mcps TDD	F	8.4.0	8.5.0	R5-101182
RP-47	-	-	-	Moved to v9.0.0 with no change	-	8.5.0	9.0.0	-
RP-48	RP-100506	0347	-	Addition of test case - Inter-RAT cell change order from UTRAN TDD to GSM(GPRS) for 1.28 Mcps TDD Option	F	9.0.0	9.1.0	R5-103194
RP-48	RP-100506	0348	-	Addition of 2 test cases - UE uplink synchronization control during handover for 1.28 Mcps TDD	F	9.0.0	9.1.0	R5-103195
RP-48	RP-100506	0349	-	Modification of test case - Event 1H and 1I triggered reporting in AWGN propagation condition for 1.28 Mcps TDD Option	F	9.0.0	9.1.0	R5-103197
RP-48	RP-100530	0350	-	UE test requirements in high speed train condition for LCR TDD	F	9.0.0	9.1.0	R5-103269
RP-48	RP-100527	0351	-	Introduction of measurement channels for MIMO of 1.28Mcps TDD	F	9.0.0	9.1.0	R5-103431
RP-48	RP-100511	0352	-	Introduction of Band e and Band f requirements for LCR TDD	F	9.0.0	9.1.0	R5-103722
RP-48	RP-100527	0353	-	Introduction of method of CQI test for MIMO of 1.28Mcps TDD	F	9.0.0	9.1.0	R5-103772
RP-49	RP-100812	0361	-	SEM with E-DCH for TDD	F	9.1.0	9.2.0	R5-104843
RP-49	RP-100812	0358	-	maximum output power with E-DCH for TDD	F	9.1.0	9.2.0	R5-104349
RP-49	RP-100812	0359	-	ACLR with E-DCH for TDD	F	9.1.0	9.2.0	R5-104350
RP-49	RP-100828	0360	-	Test case of E-UTRAN TDD - UTRAN TDD handover: unknown target cell	F	9.1.0	9.2.0	R5-104386
RP-49	RP-100809	0355	-	Correction to test case 8.3.4 - Cell Re-selection in CELL_FACH	F	9.1.0	9.2.0	R5-104227
RP-49	RP-100809	0357	-	Correction to test case 8.3.6 - Cell Re-selection in URA_PCH	F	9.1.0	9.2.0	R5-104229
RP-49	RP-100809	0356	-	Correction to test case 8.3.5 - Cell Re-selection in CELL_PCH	F	9.1.0	9.2.0	R5-104228
RP-49	RP-100809	0354	-	Correction to test case 5.5.2.1 and 5.5.2.1B - Remove 0.8M offset of Spectrum emission mask for 1.28M TDD	F	9.1.0	9.2.0	R5-104223
RP-50	RP-101137	0362	-	Correction in test procedure to remove redundant frequency range of measurement	F	9.2.0	9.3.0	R5-106161
RP-50	RP-101146	0363	-	Correction in Procedure Settings for test case 9.3.1A till 9.3.1E and corresponding Annex F.6.3.5	F	9.2.0	9.3.0	R5-106173
RP-50	RP-101137	0364	-	Introduction of new Power Control TC in the Downlink for 1.28Mcps TDD	F	9.2.0	9.3.0	R5-106860
RP-51	RP-110156	0365	-	Correction in test requirement of 9.3.2A/B/C/D/E	F	9.3.0	9.4.0	R5-110321
RP-51	RP-110156	0366	-	Add Mid UARFCN channel testing in Clause 5.5.2.1, 5.5.2.1A & 5.5.2.1B Intial Conditions settings	F	9.3.0	9.4.0	R5-110322
RP-51	RP-110165	0367	-	Correction on Annex F.6.3.5, Table F.6.3.5.1 to correlate Clause 9.3.1A.5, Table 9.3.1A.3	F	9.3.0	9.4.0	R5-110323
RP-51	RP-110156	0368	-	Correction in Test Requirements Settings for test case 9.3.2E based on corresponding Annex F.2.5, Table F.2.5	F	9.3.0	9.4.0	R5-110324

RP-51	RP-110157	0369	-	Correction of Maximum Input Level Test for HS-PDSCH Transmission for 1.28Mcps TDD	F	9.3.0	9.4.0	R5-110614
RP-51	RP-110156	0370	-	Introduction of new DL power control TC, wind up effects for 1.28Mcps TDD	F	9.3.0	9.4.0	R5-110923
RP-51	RP-110156	0371	-	Modification of a test case for inter-band handover for 1.28 Mcps TDD Scenario 2	F	9.3.0	9.4.0	R5-110924
RP-51	RP-110156	0372	-	Addition of a new test case for inter-band handover for 1.28 Mcps TDD Scenario 3	F	9.3.0	9.4.0	R5-110925
RP-51	RP-110156	0373	-	Correction in test procedure of User Equipment maximum output power with HS-SICH and DPCH test cases	F	9.3.0	9.4.0	R5-110977
RP-52	RP-110639	0375	-	Correction in test procedure of User Equipment maximum output power with HS-SICH and DPCH test cases	F	9.4.0	9.5.0	R5-112198
RP-52	RP-110639	0376	-	Complement release applicability for 1.28Mcps TDD (clause 5)	F	9.4.0	9.5.0	R5-112344
RP-52	RP-110639	0377	-	Complement the release applicability for 1.28Mcps TDD (clause 7)	F	9.4.0	9.5.0	R5-112345
RP-52	RP-110639	0378	-	Complement the release applicability for 1.28Mcps TDD (clause 8)	F	9.4.0	9.5.0	R5-112346
RP-52	RP-110639	0379	-	Addition of test case - UE uplink synchronization control for PRACH for 1,28 Mcps TDD	F	9.4.0	9.5.0	R5-112347
RP-53	RP-111131	0380	-	Correction in test procedure of User Equipment maximum output power with E-DCH	F	9.5.0	9.6.0	R5-113247
RP-53	RP-111133	0381	-	Introduction of new DL power control TC, initial convergence for 1.28Mcps TDD	F	9.5.0	9.6.0	R5-113338
RP-54	RP-111575	0382	-	Completing for test case in section 8.2.2.6.1 of 34.122	F	9.6.0	9.7.0	R5-115295
RP-54	RP-111575	0383	-	Completing for test case in section 8.2.2.6.2 of 34.122	F	9.6.0	9.7.0	R5-115297
RP-54	RP-111575	0384	-	Update of Annex in 34.122	F	9.6.0	9.7.0	R5-115378
RP-54	-	-	-	moved to Rel-10 with no change	-	9.7.0	10.0.0	-
RP-55	RP-120190	0388	-	Removal of technical content in 34.122 v10.0.0 and substitution with pointer to the next Release	F	10.0.0	10.1.0	R5-120078

History

Document history		
V10.0.0	March 2012	Publication
V10.1.0	March 2012	Publication