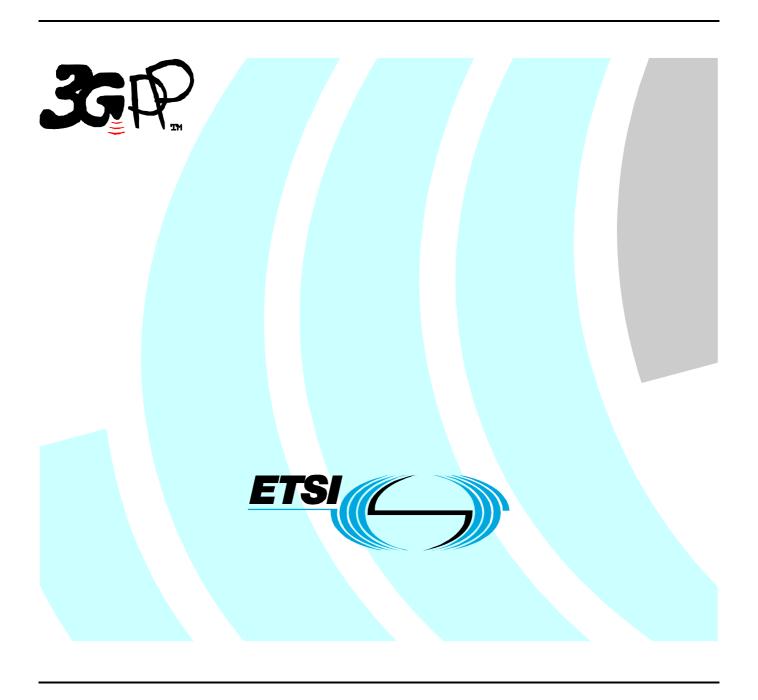# ETSI TS 134 122 V8.6.0 (2010-06)

Technical Specification

**Universal Mobile Telecommunications System (UMTS);
Terminal conformance specification,
Radio transmission and reception (TDD)
(3GPP TS 34.122 version 8.6.0 Release 8)**

Reference
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Contents

Foreword

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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.

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[1] to [27] (void)

[28] 3GPP TS 34.122: "Terminal conformance specification;Radio transmission and reception (TDD)".

3 Definitions, abbreviations and equations

Void

4 Frequency bands and channel arrangement

4.1 General

The requirements of the present document are provided in 3GPP TS 34.122 Release 9 [28].

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
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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
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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-48	RP-100511	0354	-	Removal of technical content in 34.122 v8.5.0 and substitution with pointer to the next Release	B	8.5.0	8.6.0	R5-103229

History

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