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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 [34]   (void)

[35]   3GPP TS 34.122 Release 10: "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 10 [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
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TP-22	TP-030281	185	1	Correction of LCR ISCP test case	F	4.9.0	5.0.0	T1-031619
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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-55	RP-120184	0387	-	Removal of technical content in 34.122 v9.7.0 and substitution with pointer to the next Release	F	9.7.0	9.8.0	R5-120078

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