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Technical Specification

**Universal Mobile Telecommunications System (UMTS);
Terminal conformance specification,
Radio transmission and reception (TDD)
(3GPP TS 34.122 version 6.0.0 Release 6)**



Reference

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Keywords

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Foreword

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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] 3GPP TS 34.122 (Release-7): "Terminal conformance specification; Radio transmission and reception (TDD)".

3 Requirements

The requirements of the present document are provided in 3GPP TS 34.122 Release 7 [1].

Annex A (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

History

Document history		
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