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Technical Specification

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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 and requirements for support of RRM (Radio Resource Management) in TDD mode.

2 References, Definitions and Technical Content

3GPP TS 34.122 Version 5 covers all Release 99 aspects.

Annex A (informative): Change history

Meeting -1st- Level	Doc-1st-Level	CR	Rev	Subject	Cat	Version - Current	Version -New	Doc-2nd- Level
TP-08				Approval of the specification		2.0.0	3.0.0	
TP-09	TP-000134	001		Corrections to EVM and PCDE formulae (B.2.7.1, B2.7.2)	F	3.0.0	3.1.0	T1-000150
TP-10	TP-000217	002		Update of 34.122 according to RAN#9-approved CRs to 25.102	F	3.1.0	3.2.0	T1-000256
TP-10	TP-000217	003		Update according to former CRs to 25.102	F	3.1.0	3.2.0	T1-000257
TP-10	TP-000217	004		editorial corrections for: Global In-Channel TX- Test	D	3.1.0	3.2.0	T1-000259
TP-10	TP-000217	005		Handling of measurement uncertainties in UE conformance testing (TDD)	F	3.1.0	3.2.0	T1-000262
TP-10	TP-000217	006		Uplink Power control	F	3.1.0	3.2.0	T1-000258
TP-10	TP-000217	007		UE maximum output power multicode	F	3.1.0	3.2.0	T1-000260
TP-10	TP-000217	008		Out-of-synchronisation handling of output power	F	3.1.0	3.2.0	T1-000261
TP-11	TP-010020	009		Test tolerance for 5.7.1 TDD EVM	F	3.2.0	3.3.0	T1-010048
TP-11	TP-010020	010		Test tolerance for 5.7.2 TDD PCDE	F	3.2.0	3.3.0	T1-010049
TP-11	TP-010020	011		Test tolerance for 5.2 Maximum Output Power test case	F	3.2.0	3.3.0	T1-010050
TP-11	TP-010020	012		Test tolerance for 5.3 Frequency Stability	F	3.2.0	3.3.0	T1-010051
TP-11	TP-010020	013		Test tolerance for 5.4.2 Minimum Transmit Output Power	F	3.2.0	3.3.0	T1-010052
TP-11	TP-010020	014		Test Tolerance for 5.4.3 Transmit OFF power	F	3.2.0	3.3.0	T1-010053
TP-11	TP-010020	015		Test tolerance for 5.4.5 Out-of-synchronisation handling of output power	F	3.2.0	3.3.0	T1-010054
TP-11	TP-010020	016		Test tolerance for 5.5.1 Occupied Bandwidth	F	3.2.0	3.3.0	T1-010055
TP-11	TP-010020	017		Test tolerance for 5.5.2.1 Spectrum Emission Mask	F	3.2.0	3.3.0	T1-010056
TP-11	TP-010020	018		Test tolerance for 5.5.2.2 ACLR test case	F	3.2.0	3.3.0	T1-010057
TP-11	TP-010020	019		Test Tolerance for 5.5.3 Spurious emissions	F	3.2.0	3.3.0	T1-010058
TP-11	TP-010020	020		Test Tolerance for 5.6 Transmit Intermodulation	F	3.2.0	3.3.0	T1-010059
TP-11	TP-010020	021		Test Tolerance for 6.2 Reference Sensitivity Level	F	3.2.0	3.3.0	T1-010060
TP-11	TP-010020	022		Test Tolerance for 6.4 Adjacent Channel Selectivity	F	3.2.0	3.3.0	T1-010061
TP-11	TP-010020	023		Test tolerances to 6.5 Blocking Characteristics	F	3.2.0	3.3.0	T1-010062
TP-11	TP-010020	024		Test tolerances to 6.6 Spurious Response	F	3.2.0	3.3.0	T1-010063
TP-11	TP-010020	025		Test tolerances to 6.7 Intermodulation Characteristics	F	3.2.0	3.3.0	T1-010064
TP-11	TP-010020	026		Test Tolerance for 6.5 RX Spurious Emissions	F	3.2.0	3.3.0	T1-010065
TP-11	TP-010020	027		Test tolerance for Annex F in TS34.122	F	3.2.0	3.3.0	T1-010068
TP-11	TP-010020	028		Correction concerning the coexistence of TDD and FDD in the same band	F	3.2.0	3.3.0	T1-010045
TP-11	TP-010020	029		Clarification of the mentioned parameter alpha	F	3.2.0	3.3.0	T1-010046
TP-11	TP-010020	030		Correction concerning the channel number calculation	F	3.2.0	3.3.0	T1-010047
TP-11	TP-010020	031		Correction concerning UE maximum output power classes	F	3.2.0	3.3.0	T1-010066
TP-11	TP-010020	032		Correction of Out-of-Sync criteria	F	3.2.0	3.3.0	T1-010067
TP-12	TP-010120	033		CR:New Power Classes require new test tolerances	F	3.3.0	3.4.0	T1-010154
TP-12	TP-010120	034		CR:Test tolerances for Output Power Dynamic	F	3.3.0	3.4.0	T1-010155
TP-13	TP-010185	036		Replacement of Conformance requirements by Minimum requirements	F	3.4.0	3.5.0	T1-010345
TP-13	TP-010185	037		Deletion of the test: Demodulation of BCH in Block STTD mode	F	3.4.0	3.5.0	T1-010344
TP-13	TP-010185	038		Test conditions	F	3.4.0	3.5.0	T1-010347
TP-13	TP-010185	039		Completion of test procedures & test system uncertainties	F	3.4.0	3.5.0	T1-010349
TP-13	TP-010185	040		Maximum Test System Uncertainty for transmitter tests	F	3.4.0	3.5.0	T1-010351
TP-13	TP-010185	041		Correction of Out-of-synchronisation test	F	3.4.0	3.5.0	T1-010353
TP-13	TP-010185	042		UE power classes	F	3.4.0	3.5.0	T1-010354
TP-13	TP-010185	043		Correction of frequency range for receiver spurious emission requirements	F	3.4.0	3.5.0	T1-010365
TP-14	TP-010260	052		Clarification of AWGN definition	F	3.5.0	3.6.0	T1-010502
TP-14	TP-010260	053		RX spurious emissions	F	3.5.0	3.6.0	T1-010503
TP-14	TP-010260	054		Correction of Spurious emissions	F	3.5.0	3.6.0	T1-010504
TP-14	TP-010260	055		Power and ACLR definition corrections	F	3.5.0	3.6.0	T1-010507
TP-14	TP-010260	056		Out of synchronisation handling	F	3.5.0	3.6.0	T1-010509
TP-14	TP-010260	057		Clarification in Spectrum emission mask section	F	3.5.0	3.6.0	T1-010511
TP-14	TP-010260	058		Changes to blocking characteristics and spurious response test cases	F	3.5.0	3.6.0	T1-010513
TP-14	TP-010260	059		maximum output power for multicode transmission	F	3.5.0	3.6.0	T1-010515
TP-14	TP-010260	060		BER/BLER testing based on statistical approach	F	3.5.0	3.6.0	T1-010518

TP-15	TP-020040	070		Corrections to various reference to tables in the document.	F	3.6.0	3.7.0	T1-020150
TP-15	TP-020040	071		Maintenance of Annex B	F	3.6.0	3.7.0	T1-020151
TP-15	TP-020040	072		Power Control in the Downlink	F	3.6.0	3.7.0	T1-020152
TP-15	TP-020040	073		Uplink Power Control Performance Test	F	3.6.0	3.7.0	T1-020153
TP-15	TP-020040	074		Replacement of Block STTD by Space Code Transmit Diversity (SCTD)	F	3.6.0	3.7.0	T1-020154
TP-15	TP-020040	075		New RRM Section Headings	F	3.6.0	3.7.0	T1-020155
TP-15	TP-020040	076		Cell Re-selection in idle mode test cases	F	3.6.0	3.7.0	T1-020156
TP-15	TP-020040	077		Statistical testing of RRM delay performance	F	3.6.0	3.7.0	T1-020157
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TP-16	TP-020140	087		Cell Re-selection in URA_PCH test case Rel99	F	3.7.0	3.8.0	T1-020230
TP-16	TP-020140	088		TDD/TDD Intra-frequency Handover R99	F	3.7.0	3.8.0	T1-020255
TP-16	TP-020140	089		TDD/TDD Inter-frequency Handover R99	F	3.7.0	3.8.0	T1-020257
TP-16	TP-020140	090		TDD/FDD Handover R99	F	3.7.0	3.8.0	T1-020259
TP-16	TP-020140	091		PCCPCH Measurement Performance R99	F	3.7.0	3.8.0	T1-020261
TP-16	TP-020140	092		Corrections to TDD/TDD Cell Re-selection in CELL_FACH state R99	F	3.7.0	3.8.0	T1-020263
TP-16	TP-020140	093		Power Control in the Downlink for HCR Rel99	F	3.7.0	3.8.0	T1-020424
TP-17	TP-020186	104	-	Message Content for TDD Handover Test Cases	F	3.8.0	3.9.0	T1-020472
TP-17	TP-020186	106	-	General corrections for power definitions and test	F	3.8.0	3.9.0	T1-020487
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TP-18	TP-020295	110	-	Inclusion of TDD RRC re-establishment delay test cases	F	3.9.0	3.10.0	T1-020760
TP-18	TP-020295	111	-	Correction to power control accuracy test cases in 34.122	F	3.9.0	3.10.0	T1-020895
TP-18	TP-020295	112	-	Averaging period for ACLR	F	3.9.0	3.10.0	T1-020647
TP-18	TP-020295	113	-	Various updates to 34.122 based on RAN4 CRs	F	3.9.0	3.10.0	T1-020897
TP-18	TP-020295	114	-	Correction to downlink power control requirements in 34.122	F	3.9.0	3.10.0	T1-020643
TP-18	TP-020295	121	-	Corrections of TDD out-of Synchronisation Output power	F	3.9.0	3.10.0	T1-020899
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TP-19	TP-030046	126	-	Transport Format Combination Selection test case Rel99	F	3.10.0	3.11.0	T1-030137
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TP-19	TP-030046	132	-	Event 1H and 1I triggered reporting in AWGN propagation	F	3.10.0	3.11.0	T1-030143
TP-19	TP-030046	134	-	Correct reporting of neighbours in fading propagation	F	3.10.0	3.11.0	T1-030145
TP-19	TP-030046	136	-	Correct reporting of TDD inter-frequency neighbours in	F	3.10.0	3.11.0	T1-030147
TP-19	TP-030046	138	-	Correct reporting of FDD inter-frequency neighbours in	F	3.10.0	3.11.0	T1-030149
TP-19	TP-030046	140	-	Corrections to TDD Cell Reselection and Handover Test	F	3.10.0	3.11.0	T1-030151
TP-19	TP-030046	142	-	CPICH RSCP Measurement test case Rel99	F	3.10.0	3.11.0	T1-030153
TP-19	TP-030046	144	-	Timeslot ISCP Measurement test case Rel99	F	3.10.0	3.11.0	T1-030155
TP-19	TP-030046	146	-	UTRA carrier RSSI Measurement test case Rel99	F	3.10.0	3.11.0	T1-030157
TP-19	TP-030046	148	-	SFN-SFN type 1 test case Rel99	F	3.10.0	3.11.0	T1-030159
TP-19	TP-030046	150	-	SFN-CFN observed time difference measurement test	F	3.10.0	3.11.0	T1-030161
TP-19	TP-030046	152	-	TDD-GSM handover case Rel99	F	3.10.0	3.11.0	T1-030163
TP-19	TP-030046	154	-	Correction to Cell Re-selection in CELL_PCH and	F	3.10.0	3.11.0	T1-030165
TP-19	TP-030046	156	-	Reference and measurement performance sSub-sections	F	3.10.0	3.11.0	T1-030167
TP-19	TP-030046	158	-	Corrections to P-CCPCH RSCP test case Rel99	F	3.10.0	3.11.0	T1-030169
TP-19	TP-030046	160	-	Statistical testing of RRM delay performance in Annex	F	3.10.0	3.11.0	T1-030176
TP-22	TP-030281	190	-	Replace Technical content by pointer to Release 5 version	D	3.11.0	3.12.0	T1-032000

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