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Contents

Intellectual Property Rights	2
Foreword.....	2
Modal verbs terminology.....	2
Foreword.....	15
1 Scope	16
2 References	16
3 Definitions and abbreviations.....	17
3.1 Definitions	17
3.2 Symbols.....	19
3.3 Abbreviations	20
3.4 Radio Frequency bands	21
3.4.1 Frequency bands	21
3.4.2 TX-RX frequency separation.....	24
3.5 Channel arrangement.....	25
3.5.1 Channel spacing.....	25
3.5.2 Channel raster	25
3.5.3 Channel number	25
4 General test conditions and declarations	27
4.1 Acceptable uncertainty of Test System	28
4.1.1 Measurement of test environments	28
4.1.2 Measurement of transmitter	29
4.1.3 Measurement of receiver	31
4.1.4 Measurement of performance requirement	32
4.2 Test Tolerances (informative)	33
4.2.1 Transmitter.....	34
4.2.2 Receiver	34
4.2.3 Performance requirement.....	35
4.2.4 RRM measurements.....	35
4.3 Interpretation of measurement results	35
4.3A Base station classes	36
4.4 Test environments	36
4.4.1 Normal test environment	36
4.4.2 Extreme test environment	36
4.4.2.1 Extreme temperature	37
4.4.3 Vibration.....	37
4.4.4 Power supply	37
4.4.5 Definition of Additive White Gaussian Noise (AWGN) Interferer	37
4.5 Selection of configurations for testing.....	37
4.6 BS Configurations	38
4.6.1 Receiver diversity	38
4.6.2 Duplexers.....	38
4.6.3 Power supply options.....	38
4.6.4 Ancillary RF amplifiers	39
4.6.5 BS using antenna arrays.....	39
4.6.5.1 Receiver tests	40
4.6.5.2 Transmitter tests	40
4.6.6 Transmit diversity and MIMO transmission.....	40
4.6.7 BS with integrated Iuant BS modem	41
4.6.8 BS with Virtual Antenna Mapping	41
4.7 Regional requirements.....	42
4.8 Specified frequency range	44
4.8.1 Base Station RF Bandwidth position for non-single carrier testing	44
4.9 Applicability of requirements.....	45

4.10	Requirements for contiguous and non-contiguous spectrum.....	45
4.11	Manufacturer's declarations of regional and optional requirements	45
4.11.1	Operating band and frequency range	45
4.11.2	Spurious emissions category.....	45
4.11.3	Additional out of band emissions	46
4.11.4	Co-existence with other systems.....	46
4.11.5	Co-location with other base stations	46
4.11.6	Manufacturer's declarations of supported RF configurations	46
4.12	Test configuration for multi-carrier operations	47
4.12.1	UTC1: Contiguous spectrum operation test configuration	48
4.12.1.1	UTC1 power allocation	48
4.12.2	UTC2:Non-contiguous spectrum operation test configuration	48
4.12.2.1	UTC2 power allocation	48
4.12.3	Multi-band operation test configurations	48
4.12.3.1	UTC3: Multi-band test configuration for full carrier allocation.....	48
4.12.3.1.1	UTC3 power allocation	49
4.12.3.2	UTC4: Multi-band test configuration with high PSD per carrier.....	49
4.12.3.2.1	UTC4 power allocation	50
4.12.4	Applicability of test configurations	50
4.13	Requirements for BS capable of multi-band operation	53
5	Format and interpretation of tests.....	54
6	Transmitter	54
6.1	General	54
6.1.1	Test Models	55
6.1.1.1	Test Model 1 – TM1	55
6.1.1.2	Test Model 2 – TM2	58
6.1.1.3	Test Model 3 – TM3	58
6.1.1.4	Test Model 4 – TM4	59
6.1.1.4A	Test Model 5 – TM5	60
6.1.1.4B	Test Model 6 – TM6	61
6.1.1.5	DPCH Structure of the Downlink Test Models.....	63
6.1.1.6	Common channel Structure of the Downlink Test Models	64
6.1.1.6.1	P-CCPCH	64
6.1.1.6.2	PICH.....	64
6.1.1.6.3	Primary scrambling code and SCH.....	64
6.1.1.6.4	S-CCPCH containing PCH.....	64
6.1.1.7	HS-PDSCH Structure of the Downlink TM5.....	65
6.1.1.8	HS-SCCH Structure of the Downlink Test Models 5 and 6.....	65
6.1.1.9	HS-PDSCH Structure of the Downlink TM6.....	65
6.2	Base station output power	65
6.2.1	Base station maximum output power.....	65
6.2.1.1	Definition and applicability.....	65
6.2.1.2	Minimum Requirement	66
6.2.1.3	Test purpose	66
6.2.1.4	Method of test	66
6.2.1.4.1	Initial conditions	66
6.2.1.4.2	Procedure.....	66
6.2.1.5	Test Requirements.....	67
6.2.2	Primary CPICH power accuracy.....	67
6.2.2.1	Definition and applicability.....	67
6.2.2.2	Minimum Requirement	67
6.2.2.3	Test purpose	67
6.2.2.4	Method of test	67
6.2.2.4.1	Initial conditions	67
6.2.2.4.2	Procedure.....	67
6.2.2.5	Test Requirement	68
6.2.3	Secondary CPICH power offset accuracy.....	68
6.2.3.1	Definition and applicability.....	68
6.2.3.2	Minimum Requirement	68
6.2.3.3	Test purpose	68

6.2.3.4	Method of test for MIMO mode.....	68
6.2.3.4.1	Initial conditions.....	68
6.2.3.4.2	Procedure.....	68
6.2.3.4A	Method of test for MIMO mode with four transmit antennas.....	69
6.2.3.4A.1	Initial conditions.....	69
6.2.3.4A.2	Procedure.....	69
6.2.3.5	Test Requirement for MIMO mode.....	69
6.2.3.5A	Test Requirement for MIMO mode with four transmit antennas.....	69
6.3	Frequency error.....	70
6.3.1	Definition and applicability.....	70
6.3.2	Minimum Requirement.....	70
6.3.3	Test purpose.....	70
6.3.4	Method of test.....	70
6.3.5	Test requirement.....	70
6.4	Output power dynamics.....	70
6.4.1	Inner loop power control.....	70
6.4.2	Power control steps.....	70
6.4.2.1	Definition and applicability.....	71
6.4.2.2	Minimum Requirement.....	71
6.4.2.3	Test purpose.....	71
6.4.2.4	Method of test.....	71
6.4.2.4.1	Initial conditions.....	71
6.4.2.4.2	Procedure.....	71
6.4.2.5	Test requirement.....	72
6.4.3	Power control dynamic range.....	72
6.4.3.1	Definition and applicability.....	72
6.4.3.2	Minimum Requirement.....	72
6.4.3.3	Test purpose.....	72
6.4.3.4	Method of test.....	72
6.4.3.4.1	Initial conditions.....	72
6.4.3.4.2	Procedure.....	73
6.4.3.5	Test requirement.....	73
6.4.4	Total power dynamic range.....	73
6.4.4.1	Definition and applicability.....	73
6.4.4.2	Minimum Requirement.....	73
6.4.4.3	Test purpose.....	73
6.4.4.4	Method of test.....	73
6.4.4.4.1	Initial Conditions.....	73
6.4.4.4.2	Procedure.....	74
6.4.4.5	Test requirement.....	74
6.4.5	IPDL time mask.....	74
6.4.5.1	Definition and applicability.....	74
6.4.5.2	Minimum Requirement.....	74
6.4.5.3	Test purpose.....	74
6.4.5.4	Method of test.....	74
6.4.5.4.1	Initial conditions.....	74
6.4.5.4.2	Procedure.....	75
6.4.5.5	Test Requirements.....	75
6.4.6	Home base station output power for adjacent channel protection.....	75
6.4.6.1	Definition and applicability.....	75
6.4.6.2	Minimum Requirement.....	76
6.4.6.3	Test purpose.....	76
6.4.6.4	Method of test.....	76
6.4.6.4.1	Initial conditions.....	76
6.4.6.4.2	Procedure.....	77
6.4.6.5	Test Requirements.....	77
6.5	Output RF spectrum emissions.....	77
6.5.1	Occupied bandwidth.....	77
6.5.1.1	Definition and applicability.....	77
6.5.1.2	Minimum Requirements.....	78
6.5.1.3	Test purpose.....	78
6.5.1.4	Method of test.....	78

6.5.1.4.1	Initial conditions	78
6.5.1.4.2	Procedure	78
6.5.1.5	Test requirements	79
6.5.2	Out of band emission	79
6.5.2.1	Spectrum emission mask	79
6.5.2.1.1	Definitions and applicability	79
6.5.2.1.2	Minimum Requirements	79
6.5.2.1.3	Test purpose	79
6.5.2.1.4	Method of test	79
6.5.2.1.4.1	Initial conditions	79
6.5.2.1.4.2	Procedures	80
6.5.2.1.5	Test requirements	80
6.5.2.2	Adjacent Channel Leakage power Ratio (ACLR)	88
6.5.2.2.1	Definition and applicability	88
6.5.2.2.2	Minimum Requirement	88
6.5.2.2.3	Test purpose	88
6.5.2.2.4	Method of test	88
6.5.2.2.4.1	Initial conditions	88
6.5.2.2.4.2	Procedure	89
6.5.2.2.5	Test Requirement	89
6.5.2.2.6	Cumulative ACLR test requirement in non-contiguous spectrum or multiple-bands	90
6.5.3	Spurious emissions	91
6.5.3.1	Definition and applicability	91
6.5.3.2	(void)	91
6.5.3.3	(void)	91
6.5.3.4	Minimum Requirements	91
6.5.3.5	Test purpose	92
6.5.3.6	Method of Test	92
6.5.3.6.1	Initial conditions	92
6.5.3.6.2	Procedure	93
6.5.3.7	Test requirements	93
6.5.3.7.1	Spurious emissions (Category A)	93
6.5.3.7.2	Spurious emissions (Category B)	93
6.5.3.7.3	Protection of the BS receiver of own or different BS	94
6.5.3.7.4	Co-existence with other systems in the same geographical area	96
6.5.3.7.5	Co-existence with co-located and co-sited base stations	101
6.5.3.7.6	Co-existence with PHS	107
6.5.3.7.7	Co-existence with services in adjacent frequency bands	107
6.5.3.7.8	Void	108
6.5.3.7.8.1	Void	108
6.5.3.7.8.2	Void	108
6.5.3.7.9	Protection of Public Safety Operations	108
6.5.3.7.10	Co-existence with Home BS operating in other bands	108
6.6	Transmitter intermodulation	110
6.6.1	Definition and applicability	110
6.6.2	Minimum Requirement	110
6.6.3	Test purpose	110
6.6.4	Method of test	110
6.6.4.1	Initial conditions	110
6.6.4.2	Procedures	111
6.6.5	Test Requirements	111
6.7	Transmit modulation	112
6.7.1	Error Vector Magnitude	112
6.7.1.1	Definition and applicability	112
6.7.1.2	Minimum Requirement	112
6.7.1.3	Test Purpose	112
6.7.1.4	Method of Test	112
6.7.1.4.1	Initial Conditions	112
6.7.1.4.2	Procedure	112
6.7.1.5	Test Requirement	113
6.7.2	Peak Code Domain Error	113
6.7.2.1	Definition and applicability	113

6.7.2.2	Minimum requirement	113
6.7.2.3	Test Purpose	113
6.7.2.4	Method of test	113
6.7.2.4.1	Initial conditions	113
6.7.2.4.2	Procedure	114
6.7.2.5	Test requirement	114
6.7.3	Time alignment error	114
6.7.3.1	Definition and applicability	114
6.7.3.2	Minimum Requirement	114
6.7.3.3	Test Purpose	114
6.7.3.4	Method of Test	114
6.7.3.4.1	Initial Conditions	114
6.7.3.4.2	Procedure	115
6.7.3.5	Test Requirement	115
6.7.4	Relative Code Domain Error	115
6.7.4.1	Definition and applicability	115
6.7.4.2	Minimum requirement	116
6.7.4.3	Test Purpose	116
6.7.4.4	Method of test	116
6.7.4.4.1	Initial conditions	116
6.7.4.4.2	Procedure	116
6.7.4.5	Test requirement	116
7	Receiver characteristics	116
7.1	General	116
7.2	Reference sensitivity level	117
7.2.1	Definition and applicability	117
7.2.2	Minimum Requirement	117
7.2.3	Test purpose	117
7.2.4	Method of testing	118
7.2.4.1	Initial conditions	118
7.2.4.2	Procedure	118
7.2.5	Test requirement	118
7.3	Dynamic range	119
7.3.1	Definition and applicability	119
7.3.2	Minimum Requirement	119
7.3.3	Test purpose	119
7.3.4	Method of test	119
7.3.4.1	Initial conditions	119
7.3.4.2	Procedure	119
7.3.5	Test Requirements	119
7.4	Adjacent Channel Selectivity (ACS)	120
7.4.1	Definition and applicability	120
7.4.2	Minimum Requirement	120
7.4.3	Test purpose	120
7.4.4	Method of test	120
7.4.4.1	Initial conditions	120
7.4.4.2	Procedure	120
7.4.5	Test Requirements	121
7.5	Blocking characteristics	121
7.5.1	Definition and applicability	121
7.5.2	Minimum Requirements	121
7.5.3	Test purpose	122
7.5.4	Method of test	122
7.5.4.1	Initial conditions	122
7.5.4.2	Procedure	123
7.5.5	Test Requirements	123
7.6	Intermodulation characteristics	137
7.6.1	Definition and applicability	137
7.6.2	Minimum Requirement	137
7.6.3	Test purpose	137
7.6.4	Method of test	138

7.6.4.1	Initial conditions	138
7.6.4.2	Procedures	138
7.6.5	Test requirements	138
7.7	Spurious Emissions	139
7.7.1	Definition and applicability	139
7.7.2	Minimum Requirements	139
7.7.3	Test purpose	139
7.7.4	Method of test	139
7.7.4.1	Initial conditions	139
7.7.4.2	Procedure	140
7.7.5	Test requirements	140
7.8	Verification of the internal BER calculation	141
7.8.1	Definition and applicability	141
7.8.2	Minimum Requirement	141
7.8.3	Test purpose	141
7.8.4	Method of test	141
7.8.4.1	Initial conditions	141
7.8.4.2	Procedure	142
7.8.5	Test Requirement	142
8	Performance requirement	142
8.1	General	142
8.2	Demodulation in static propagation conditions	143
8.2.1	Demodulation of DCH	143
8.2.1.1	Definition and applicability	143
8.2.1.2	Minimum requirement	143
8.2.1.3	Test purpose	143
8.2.1.4	Method of test	143
8.2.1.4.1	Initial conditions	143
8.2.1.4.2	Procedure	143
8.2.1.5	Test requirements	143
8.3	Demodulation of DCH in multipath fading conditions	144
8.3.1	Multipath fading Case 1	144
8.3.1.1	Definition and applicability	144
8.3.1.2	Minimum requirement	144
8.3.1.3	Test Purpose	144
8.3.1.4	Method of test	144
8.3.1.4.1	Initial conditions	144
8.3.1.4.2	Procedure	144
8.3.1.5	Test requirements	145
8.3.2	Multipath fading Case 2	145
8.3.2.1	Definition and applicability	145
8.3.2.2	Minimum requirement	145
8.3.2.3	Test Purpose	145
8.3.2.4	Method of test	146
8.3.2.4.1	Initial conditions	146
8.3.2.4.2	Procedure	146
8.3.2.5	Test requirements	146
8.3.3	Multipath fading Case 3	147
8.3.3.1	Definition and applicability	147
8.3.3.2	Minimum requirement	147
8.3.3.3	Test purpose	147
8.3.3.4	Method of test	147
8.3.3.4.1	Initial conditions	147
8.3.3.4.2	Procedure	147
8.3.3.5	Test requirements	147
8.3.4	Multipath fading Case 4	148
8.3.4.1	Definition and applicability	148
8.3.4.2	Minimum requirement	148
8.3.4.3	Test purpose	148
8.3.4.4	Method of test	148
8.3.4.4.1	Initial conditions	148

8.3.4.4.2	Procedure	148
8.3.4.5	Test requirements	149
8.4	Demodulation of DCH in moving propagation conditions	149
8.4.1	Definition and applicability	149
8.4.2	Minimum requirement	149
8.4.3	Test purpose	149
8.4.4	Method of test	150
8.4.4.1	Initial conditions	150
8.4.4.2	Procedure	150
8.4.5	Test requirements	150
8.5	Demodulation of DCH in birth/death propagation conditions	151
8.5.1	Definition and applicability	151
8.5.2	Minimum requirement	151
8.5.3	Test purpose	151
8.5.4	Method of test	151
8.5.4.1	Initial conditions	151
8.5.4.2	Procedure	151
8.5.5	Test requirements	152
8.5A	Demodulation of DCH in high speed train conditions	152
8.5A.1	Definition and applicability	152
8.5A.2	Minimum requirement	152
8.5A.3	Test purpose	152
8.5A.4	Method of test	152
8.5A.4.1	Initial conditions	152
8.5A.4.2	Procedure	152
8.5A.5	Test requirements	153
8.6	Verification of the internal BLER calculation	153
8.6.1	Definition and applicability	153
8.6.2	Minimum requirement	154
8.6.3	Test purpose	154
8.6.4	Method of test	154
8.6.4.1	Initial conditions	154
8.6.4.2	Procedure	154
8.6.5	Test requirement	154
8.7	(void)	155
8.8	RACH performance	155
8.8.1	RACH preamble detection in static propagation conditions	155
8.8.1.1	Definition and applicability	155
8.8.1.2	Minimum requirement	155
8.8.1.3	Test purpose	155
8.8.1.4	Method of test	155
8.8.1.4.1	Initial conditions	155
8.8.1.4.2	Procedure	155
8.8.1.5	Test requirements	156
8.8.2A	RACH preamble detection in high speed train conditions	156
8.8.2A.1	Definition and applicability	156
8.8.2A.2	Minimum requirement	156
8.8.2A.3	Test purpose	156
8.8.2A.4	Method of test	156
8.8.2A.4.1	Initial conditions	156
8.8.2A.4.2	Procedure	156
8.8.2A.5	Test requirements	157
8.8.2	RACH preamble detection in multipath fading case 3	157
8.8.2.1	Definition and applicability	157
8.8.2.2	Minimum requirement	157
8.8.2.3	Test purpose	158
8.8.2.4	Method of test	158
8.8.2.4.1	Initial conditions	158
8.8.2.4.2	Procedure	158
8.8.2.5	Test requirements	158
8.8.3	Demodulation of RACH message in static propagation conditions	159
8.8.3.1	Definition and applicability	159

8.8.3.2	Minimum requirement	159
8.8.3.3	Test purpose	159
8.8.3.4	Method of test	159
8.8.3.4.1	Initial conditions	159
8.8.3.4.2	Procedure	159
8.8.3.5	Test requirements	160
8.8.4	Demodulation of RACH message in multipath fading case 3	160
8.8.4.1	Definition and applicability	160
8.8.4.2	Minimum requirement	160
8.8.4.3	Test purpose	160
8.8.4.4	Method of test	160
8.8.4.4.1	Initial conditions	160
8.8.4.4.2	Procedure	161
8.8.4.5	Test requirements	161
8.8.5	Demodulation of RACH message in high speed train conditions	162
8.8.5.1	Definition and applicability	162
8.8.5.2	Minimum requirement	162
8.8.5.3	Test purpose	162
8.8.5.4	Method of test	162
8.8.5.4.1	Initial conditions	162
8.8.5.4.2	Procedure	162
8.8.5.5	Test requirements	163
8.9	(void)	163
8.10	(void)	164
8.11	Performance of signalling detection for HS-DPCCH	164
8.11.1	ACK false alarm in static propagation conditions	164
8.11.1.1	Definition and applicability	164
8.11.1.2	Minimum requirement	164
8.11.1.3	Test purpose	164
8.11.1.4	Method of test	164
8.11.1.4.1	Initial conditions	164
8.11.1.4.2	Procedure	164
8.11.1.5	Test requirements	165
8.11.2	ACK false alarm in multipath fading conditions	165
8.11.2.1	Definition and applicability	165
8.11.2.2	Minimum requirement	165
8.11.2.3	Test purpose	165
8.11.2.4	Method of test	165
8.11.2.4.1	Initial conditions	165
8.11.2.4.2	Procedure	165
8.11.2.5	Test requirements	166
8.11.3	ACK mis-detection in static propagation conditions	166
8.11.3.1	Definition and applicability	166
8.11.3.2	Minimum requirement	166
8.11.3.3	Test purpose	166
8.11.3.4	Method of test	166
8.11.3.4.1	Initial conditions	166
8.11.3.4.2	Procedure	167
8.11.3.5	Test requirements	167
8.11.4	ACK mis-detection in multipath fading conditions	167
8.11.4.1	Definition and applicability	167
8.11.4.2	Minimum requirement	167
8.11.4.3	Test purpose	167
8.11.4.4	Method of test	168
8.11.4.4.1	Initial conditions	168
8.11.4.4.2	Procedure	168
8.11.4.5	Test requirements	168
8.11A	Performance of signalling detection for 4C-HSDPA HS-DPCCH	168
8.11A.1	ACK false alarm for 4C-HSDPA in static propagation conditions	169
8.11A.1.1	Definition and applicability	169
8.11A.1.2	Minimum requirement	169
8.11A.1.3	Test purpose	169

8.11A.1.4	Method of test	169
8.11A.1.4.1	Initial conditions	169
8.11A.1.4.2	Procedure.....	169
8.11A.1.5	Test requirements.....	170
8.11A.2	ACK false alarm for 4C-HSDPA in multipath fading conditions.....	170
8.11A.2.1	Definition and applicability.....	170
8.11A.2.2	Minimum requirement	170
8.11A.2.3	Test purpose	170
8.11A.2.4	Method of test	170
8.11A.2.4.1	Initial conditions.....	170
8.11A.2.4.2	Procedure.....	170
8.11A.2.5	Test requirements.....	171
8.11A.3	ACK mis-detection for 4C-HSDPA in static propagation conditions.....	171
8.11A.3.1	Definition and applicability.....	171
8.11A.3.2	Minimum requirement	171
8.11A.3.3	Test purpose	171
8.11A.3.4	Method of test	172
8.11A.3.4.1	Initial conditions.....	172
8.11A.3.4.2	Procedure.....	172
8.11A.3.5	Test requirements.....	172
8.11A.4	ACK mis-detection for 4C-HSDPA in multipath fading conditions.....	172
8.11A.4.1	Definition and applicability.....	172
8.11A.4.2	Minimum requirement	173
8.11A.4.3	Test purpose	173
8.11A.4.4	Method of test	173
8.11A.4.4.1	Initial conditions.....	173
8.11A.4.4.2	Procedure.....	173
8.11A.4.5	Test requirements.....	173
8.11B	Performance of signalling detection for 8C-HSDPA HS-DPCCH.....	174
8.12	Demodulation of E-DPDCH in multipath fading conditions.....	174
8.12.1	Definition and applicability	174
8.12.2	Minimum requirement	175
8.12.3	Test Purpose.....	175
8.12.4	Method of test.....	175
8.12.4.1	Initial conditions	175
8.12.4.2	Procedure	175
8.12.4.3	Test requirements.....	175
8.12A	Demodulation of E-DPDCH and S-E-DPDCH in multipath fading conditions for UL MIMO.....	176
8.12A.1	Definition and applicability	176
8.12A.2	Minimum requirement	176
8.12A.3	Test Purpose.....	177
8.12A.4	Method of test.....	177
8.12A.4.1	Initial conditions	177
8.12A.4.2	Procedure	177
8.12A.4.3	Test requirements.....	177
8.13	Performance of signalling detection for E-DPCCH in multipath fading conditions	178
8.13.1	E-DPCCH false alarm in multipath fading conditions.....	178
8.13.1.1	Definition and applicability.....	178
8.13.1.2	Minimum requirement	178
8.13.1.3	Test purpose	178
8.13.1.4	Method of test	178
8.13.1.4.1	Initial conditions.....	178
8.13.1.4.2	Procedure.....	178
8.13.1.5	Test requirements.....	179
8.13.2	E-DPCCH missed detection in multipath fading conditions.....	179
8.13.2.1	Definition and applicability.....	179
8.13.2.2	Minimum requirement	179
8.13.2.3	Test purpose	180
8.13.2.4	Method of test	180
8.13.2.4.1	Initial conditions.....	180
8.13.2.4.2	Procedure.....	180
8.13.2.5	Test requirements.....	180

Annex A (normative):	Measurement channels	182
A.1	Summary of UL reference measurement channels.....	182
A.2	UL reference measurement channel for 12,2 kbps.....	183
A.3	UL reference measurement channel for 64 kbps.....	184
A.4	UL reference measurement channel for 144 kbps.....	185
A.5	UL reference measurement channel for 384 kbps.....	186
A.6	(void).....	186
A.7	Reference measurement channels for UL RACH	187
A.8	(void).....	187
A.9	Reference measurement channel for HS-DPCCH.....	187
A.9A	Reference measurement channel for 4C-HSDPA HS-DPCCH.....	188
A.10	Summary of E-DPDCH Fixed reference channels.....	189
A.11	E-DPDCH Fixed reference channel 1 (FRC1)	190
A.12	E-DPDCH Fixed reference channel 2 (FRC2)	191
A.13	E-DPDCH Fixed reference channel 3 (FRC3)	192
A.14	E-DPDCH Fixed reference channel 4 (FRC4)	193
A.15	E-DPDCH Fixed reference channel 5 (FRC5)	194
A.16	E-DPDCH Fixed reference channel 6 (FRC6)	195
A.17	E-DPDCH Fixed reference channel 7 (FRC7)	195
A.18	E-DPDCH Fixed reference channel 8 (FRC8)	196
A.19	E-DPDCH Fixed reference channel 9 (FRC9)	197
A.20	E-DPDCH Fixed reference channel 10 (FRC10).....	199
Annex B (informative):	Measurement system set-up	201
B.1	Transmitter	201
B.1.1	Maximum output power, total power dynamic range.....	201
B.1.2	Frequency, Code Power and Transmit Modulation.....	201
B.1.3	Power control steps and power control dynamic range	202
B.1.4	Out of band emission.....	202
B.1.5	Transmit intermodulation	202
B.1.6	Time alignment error in TX diversity, MIMO, DC-HSDPA, DB-DC-HSDPA and 4C-HSDPA	203
B.1.7	Home BS output power for adjacent channel protection.....	203
B.2	Receiver.....	204
B.2.1	Reference sensitivity level.....	204
B.2.2	Dynamic range	204
B.2.3	Adjacent Channel Selectivity (ACS)	205
B.2.4	Blocking characteristics	205
B.2.5	Intermodulation characteristics	206
B.2.6	Receiver spurious emission	206
B.3	Performance requirement	207
B.3.1	Demodulation of DCH, RACH and HS-DPCCH signalling in static conditions	207
B.3.2	Demodulation of DCH, RACH and HS-DPCCH signalling in multipath fading conditions	208
B.3.3	Verification of the internal BER and BLER calculation	208
B.3.4	Demodulation of E-DPDCH, S-E-DPDCH and E-DPCCH signalling in multipath fading conditions.....	209
B.3.5	Demodulation of DCH in moving propagation conditions or birth-death propagation conditions, or Demodulation of DCH, RACH in high speed train conditions	211

Annex C (normative):	General rules for statistical testing.....	212
C.1	Statistical testing of receiver BER/BLER performance	212
C.1.1	Error Definition	212
C.1.2	Test Method.....	212
C.1.3	Test Criteria.....	212
C.1.4	Calculation assumptions.....	212
C.1.4.1	Statistical independence.....	212
C.1.4.2	Applied formulas	212
C.1.4.3	Approximation of the distribution	213
C.1.5	Definition of good pass fail decision.....	213
C.1.6	Good balance between test time and statistical significance	214
C.1.7	Pass fail decision rules	215
C.1.8	Test conditions for BER, BLER, Pd, E-DPCCH tests.....	216
C.1.9	Practical Use (informative).....	221
C.2	Statistical Testing of E-DPDCH Throughput.....	223
C.2.1	Definition	223
C.2.2	Mapping throughput to block error ratio	223
C.2.3	Bad DUT factor.....	224
C.2.3.1	Bad DUT factor, range of applicability	225
C.2.4	Minimum Test time	226
C.2.5	Statistical independence	226
C.2.6	Formula	227
C.2.7	Meaning of a decision	227
C.2.8	The test limit.....	227
Annex D (normative):	Propagation conditions.....	229
D.1	Static propagation condition.....	229
D.2	Multi-path fading propagation conditions.....	229
D.3	Moving propagation conditions.....	229
D.4	Birth-Death propagation conditions	230
D.4A	High speed train conditions	231
D.5	Multi-path fading propagation conditions for E-DPDCH and E-DPCCH	233
Annex E (normative):	Global In-Channel TX-Test	234
E.1	General	234
E.2	Definition of the process	234
E.2.1	Basic principle.....	234
E.2.2	Output signal of the TX under test	234
E.2.3	Reference signal	234
E.2.4	Classification of measurement results	235
E.2.5	Process definition to achieve results of type "deviation".....	235
E.2.5.1	Decision Point Power.....	236
E.2.5.2	Code-Domain Power.....	236
E.2.6	Process definition to achieve results of type "residual".....	236
E.2.6.1	Error Vector Magnitude (EVM)	237
E.2.6.2	Peak Code Domain Error (PCDE)	237
E.2.6.3	Relative Code Domain Error (RCDE)	238
E.3	Notes.....	238
E.3.1	Symbol length	238
E.3.2	Deviation	238
E.3.3	Residual.....	238
E.3.4	Scrambling Code	238
E.3.5	IQ.....	239
E.3.6	Synch Channel.....	239
E.3.7	Formula for the minimum process	239
E.3.8	Power Step.....	240

E.3.9	Formula for EVM.....	240
Annex F (informative):	Derivation of Test Requirements.....	241
Annex G (informative):	Acceptable uncertainty of Test Equipment	247
G.1	Transmitter measurements	247
G.2	Receiver measurements.....	248
G.3	Performance measurements.....	248
Annex H (Informative):	UTRAN Measurement Test Cases.....	249
H.1	Purpose of Annex	249
H.2	Received Total Wideband Power	249
H.2.1	Absolute RTWP measurement	249
H.2.2	Relative RTWP measurement	249
H.3	Transmitted code power	250
H.4	Transmitted carrier power	250
Annex I (normative):	Characteristics of the W-CDMA interference signal.....	251
Annex J (informative):	Change history	252
History		256

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:

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1 Scope

The present document specifies the Radio Frequency (RF) test methods and conformance requirements for UTRA Base Stations (BS) operating in the FDD mode. These have been derived from, and are consistent with the UTRA Base Station (BS) specifications defined in [1].

The present document establishes the minimum RF characteristics of the FDD mode of UTRA for the Base Station (BS).

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 25.104: "UTRA(BS) FDD; Radio transmission and Reception".
- [2] 3GPP TS 25.942: "RF system scenarios".
- [3] 3GPP TS 25.113: "Base station EMC".
- [4] ITU-R recommendation SM.329: "Unwanted emissions in the spurious domain".
- [5] ITU-T recommendation O.153: "Basic parameters for the measurement of error performance at bit rates below the primary rate".
- [6] IEC 60721-3-3 (1994): "Classification of environmental conditions - Part 3: Classification of groups of environmental parameters and their severities - Section 3: Stationary use at weather protected locations".
- [7] IEC 60721-3-4 (1995): "Classification of environmental conditions - Part 3: Classification of groups of environmental parameters and their severities - Section 4: Stationary use at non-weather protected locations".
- [8] IEC 60068-2-1 (1990): "Environmental testing - Part 2: Tests. Tests A: Cold".
- [9] IEC 60068-2-2 (1974): "Environmental testing - Part 2: Tests. Tests B: Dry heat".
- [10] IEC 60068-2-6 (1995): "Environmental testing - Part 2: Tests - Test Fc: Vibration (sinusoidal)".
- [11] ITU-R recommendation SM.328: "Spectra and bandwidth of emissions".
- [12] 3GPP TS 45.004: "Digital cellular telecommunications system (Phase 2+); Modulation".
- [13] 3GPP TS 25.214: "Physical layer procedures (FDD)".
- [14] 3GPP TS 25.213: "Spreading and modulation (FDD)".
- [15] 3GPP TS 36.104: "Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) radio transmission and reception".
- [16] 3GPP TS 37.141: "E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) conformance testing".