

Appendix B: Test Data For E-UTRA Band 4

B.1: RF Output Power

Channel Bandwidth 1.4 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.17		PASS
		1	3	21.77		PASS
		1	5	21.82		PASS
		3	0	21.87		PASS
		3	2	22.44		PASS
		3	3	22.32		PASS
		6	0	22.08		PASS
	MCH	1	0	22.19		PASS
		1	3	21.60		PASS
		1	5	22.12		PASS
		3	0	22.51		PASS
		3	2	21.85		PASS
		3	3	21.91		PASS
		6	0	21.34		PASS
	HCH	1	0	21.73		PASS
		1	3	22.27		PASS
		1	5	22.31		PASS
		3	0	21.57		PASS
		3	2	22.02		PASS
		3	3	21.15		PASS
		6	0	21.49		PASS
16QAM	LCH	1	0	21.35		PASS
		1	3	21.48		PASS
		1	5	21.42		PASS
		3	0	20.65		PASS
		3	2	21.49		PASS
		3	3	21.48		PASS
		6	0	20.64		PASS
	MCH	1	0	21.27		PASS
		1	3	20.75		PASS
		1	5	20.79		PASS
		3	0	20.64		PASS
		3	2	21.32		PASS
		3	3	20.97		PASS
		6	0	20.65		PASS
	HCH	1	0	21.01		PASS
		1	3	20.59		PASS
		1	5	21.23		PASS

		3	0	20.77		PASS
		3	2	20.57		PASS
		3	3	20.48		PASS
		6	0	20.75		PASS

Channel Bandwidth 3 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.36		PASS
		1	7	21.74		PASS
		1	14	21.84		PASS
		8	0	22.05		PASS
		8	4	21.85		PASS
		8	7	21.74		PASS
		15	0	21.30		PASS
	MCH	1	0	21.98		PASS
		1	7	21.70		PASS
		1	14	22.15		PASS
		8	0	22.11		PASS
		8	4	22.33		PASS
		8	7	21.86		PASS
		15	0	21.93		PASS
	HCH	1	0	22.02		PASS
		1	7	21.91		PASS
		1	14	22.10		PASS
		8	0	22.01		PASS
		8	4	22.41		PASS
		8	7	21.94		PASS
		15	0	21.48		PASS
16QAM	LCH	1	0	21.39		PASS
		1	7	20.77		PASS
		1	14	20.62		PASS
		8	0	20.83		PASS
		8	4	20.98		PASS
		8	7	20.55		PASS
		15	0	20.25		PASS
	MCH	1	0	20.54		PASS
		1	7	21.31		PASS
		1	14	20.57		PASS
		8	0	21.27		PASS
		8	4	21.42		PASS
		8	7	21.19		PASS
		15	0	20.76		PASS
	HCH	1	0	21.07		PASS

		1	7	21.25		PASS
		1	14	21.17		PASS
		8	0	21.43		PASS
		8	4	20.92		PASS
		8	7	20.34		PASS
		15	0	21.00		PASS

Channel Bandwidth 5 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.38		PASS
		1	12	22.36		PASS
		1	24	21.98		PASS
		12	0	21.55		PASS
		12	6	22.05		PASS
		12	13	21.76		PASS
		25	0	21.53		PASS
	MCH	1	0	21.98		PASS
		1	12	22.14		PASS
		1	24	21.79		PASS
		12	0	22.26		PASS
		12	6	21.69		PASS
		12	13	21.92		PASS
		25	0	22.06		PASS
	HCH	1	0	22.01		PASS
		1	12	22.04		PASS
		1	24	21.85		PASS
		12	0	21.81		PASS
		12	6	22.06		PASS
		12	13	21.11		PASS
		25	0	21.43		PASS
16QAM	LCH	1	0	20.88		PASS
		1	12	20.51		PASS
		1	24	21.20		PASS
		12	0	21.20		PASS
		12	6	20.58		PASS
		12	13	21.07		PASS
		25	0	20.60		PASS
	MCH	1	0	21.33		PASS
		1	12	21.20		PASS
		1	24	21.17		PASS
		12	0	20.75		PASS
		12	6	21.42		PASS
		12	13	21.17		PASS

	HCH	25	0	20.54		PASS
		1	0	21.04		PASS
		1	12	21.15		PASS
		1	24	20.86		PASS
		12	0	21.28		PASS
		12	6	20.94		PASS
		12	13	20.38		PASS
		25	0	20.10		PASS

Channel Bandwidth 10 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	21.71		PASS
		1	24	21.99		PASS
		1	49	22.12		PASS
		25	0	21.78		PASS
		25	12	21.60		PASS
		25	25	22.53		PASS
		50	0	21.21		PASS
	MCH	1	0	21.63		PASS
		1	24	22.45		PASS
		1	49	21.68		PASS
		25	0	21.54		PASS
		25	12	21.82		PASS
		25	25	22.49		PASS
		50	0	21.75		PASS
	HCH	1	0	22.00		PASS
		1	24	22.04		PASS
		1	49	21.80		PASS
		25	0	21.99		PASS
		25	12	22.43		PASS
		25	25	21.20		PASS
		50	0	21.56		PASS
16QAM	LCH	1	0	20.52		PASS
		1	24	21.38		PASS
		1	49	20.62		PASS
		25	0	21.13		PASS
		25	12	20.51		PASS
		25	25	21.18		PASS
		50	0	20.66		PASS
	MCH	1	0	20.57		PASS
		1	24	21.07		PASS
		1	49	20.56		PASS
		25	0	21.18		PASS

		25	12	21.42		PASS
		25	25	20.67		PASS
		50	0	20.83		PASS
	HCH	1	0	21.48		PASS
		1	24	20.77		PASS
		1	49	21.27		PASS
		25	0	21.24		PASS
		25	12	20.68		PASS
		25	25	20.71		PASS
		50	0	20.22		PASS

Channel Bandwidth 15 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.33		PASS
		1	37	22.31		PASS
		1	74	21.69		PASS
		37	0	21.53		PASS
		37	18	21.55		PASS
		37	38	21.65		PASS
		75	0	21.41		PASS
	MCH	1	0	22.20		PASS
		1	37	22.14		PASS
		1	74	22.37		PASS
		37	0	22.37		PASS
		37	18	21.81		PASS
		37	38	22.12		PASS
		75	0	22.21		PASS
	HCH	1	0	22.18		PASS
		1	37	21.56		PASS
		1	74	22.18		PASS
		37	0	22.36		PASS
		37	18	22.33		PASS
		37	38	21.11		PASS
		75	0	21.56		PASS
16QAM	LCH	1	0	21.28		PASS
		1	37	21.11		PASS
		1	74	20.64		PASS
		37	0	20.60		PASS
		37	18	20.66		PASS
		37	38	21.30		PASS
		75	0	20.59		PASS
	MCH	1	0	20.87		PASS
		1	37	21.02		PASS

		1	74	20.77		PASS
		37	0	20.62		PASS
		37	18	21.01		PASS
		37	38	21.09		PASS
		75	0	21.09		PASS
	HCH	1	0	20.61		PASS
		1	37	20.94		PASS
		1	74	20.66		PASS
		37	0	20.92		PASS
		37	18	21.24		PASS
		37	38	20.92		PASS
		75	0	20.77		PASS

Channel Bandwidth 20 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	21.91		PASS
		1	49	22.18		PASS
		1	99	22.15		PASS
		50	0	22.16		PASS
		50	25	22.19		PASS
		50	50	21.54		PASS
		100	0	21.38		PASS
	MCH	1	0	21.69		PASS
		1	49	22.30		PASS
		1	99	22.10		PASS
		50	0	21.63		PASS
		50	25	22.26		PASS
		50	50	21.85		PASS
		100	0	21.35		PASS
	HCH	1	0	22.47		PASS
		1	49	21.65		PASS
		1	99	22.16		PASS
		50	0	21.51		PASS
		50	25	22.41		PASS
		50	50	21.42		PASS
		100	0	21.41		PASS
16QAM	LCH	1	0	21.21		PASS
		1	49	20.77		PASS
		1	99	20.99		PASS
		50	0	20.91		PASS
		50	25	20.50		PASS
		50	50	21.41		PASS
		100	0	20.63		PASS

	MCH	1	0	21.06		PASS
		1	49	20.80		PASS
		1	99	21.11		PASS
		50	0	21.31		PASS
		50	25	21.21		PASS
		50	50	20.62		PASS
		100	0	20.72		PASS
	HCH	1	0	21.44		PASS
		1	49	21.00		PASS
		1	99	21.42		PASS
		50	0	20.78		PASS
		50	25	20.88		PASS
		50	50	20.33		PASS
		100	0	20.85		PASS