

Appendix B: Test Data For E-UTRA Band 4

B.1: RF Output Power

Channel Bandwidth: 1.4 MHz

Channel Bandwidth 1.4 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.04		PASS
		1	3	22.48		PASS
		1	5	22.87		PASS
		3	0	22.59		PASS
		3	2	22.72		PASS
		3	3	22.88		PASS
		6	0	22.45		PASS
	MCH	1	0	22.00		PASS
		1	3	22.64		PASS
		1	5	22.70		PASS
		3	0	22.44		PASS
		3	2	22.73		PASS
		3	3	22.49		PASS
		6	0	22.12		PASS
	HCH	1	0	22.57		PASS
		1	3	22.24		PASS
		1	5	22.07		PASS
		3	0	22.62		PASS
		3	2	22.81		PASS
		3	3	21.65		PASS
		6	0	22.30		PASS
16QAM	LCH	1	0	21.54		PASS
		1	3	21.57		PASS
		1	5	21.11		PASS
		3	0	21.65		PASS
		3	2	21.00		PASS
		3	3	21.20		PASS
		6	0	20.99		PASS
	MCH	1	0	21.81		PASS
		1	3	21.58		PASS
		1	5	21.43		PASS
		3	0	21.80		PASS
		3	2	21.05		PASS
		3	3	21.84		PASS
		6	0	21.65		PASS

	HCH	1	0	21.44		PASS
		1	3	21.71		PASS
		1	5	21.44		PASS
		3	0	21.43		PASS
		3	2	21.83		PASS
		3	3	20.60		PASS
		6	0	20.79		PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth 3 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	21.78		PASS
		1	7	21.96		PASS
		1	14	21.93		PASS
		8	0	21.91		PASS
		8	4	22.16		PASS
		8	7	22.17		PASS
		15	0	21.45		PASS
	MCH	1	0	21.53		PASS
		1	7	22.45		PASS
		1	14	22.46		PASS
		8	0	21.96		PASS
		8	4	21.52		PASS
		8	7	21.86		PASS
		15	0	21.44		PASS
	HCH	1	0	21.83		PASS
		1	7	22.08		PASS
		1	14	21.77		PASS
		8	0	21.52		PASS
		8	4	21.54		PASS
		8	7	21.52		PASS
		15	0	21.12		PASS
16QAM	LCH	1	0	20.57		PASS
		1	7	20.97		PASS
		1	14	20.73		PASS
		8	0	20.81		PASS
		8	4	21.38		PASS
		8	7	20.94		PASS
		15	0	20.35		PASS
	MCH	1	0	21.11		PASS
		1	7	20.91		PASS

		1	14	21.31		PASS
		8	0	20.95		PASS
		8	4	21.24		PASS
		8	7	20.61		PASS
		15	0	20.21		PASS
	HCH	1	0	20.59		PASS
		1	7	21.35		PASS
		1	14	20.58		PASS
		8	0	20.68		PASS
		8	4	20.66		PASS
		8	7	20.41		PASS
		15	0	20.66		PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth 5 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.34		PASS
		1	12	22.17		PASS
		1	24	22.38		PASS
		12	0	21.54		PASS
		12	6	22.22		PASS
		12	13	22.32		PASS
		25	0	22.35		PASS
	MCH	1	0	21.59		PASS
		1	12	22.39		PASS
		1	24	21.76		PASS
		12	0	22.13		PASS
		12	6	22.41		PASS
		12	13	22.27		PASS
		25	0	21.54		PASS
	HCH	1	0	22.41		PASS
		1	12	21.71		PASS
		1	24	21.73		PASS
		12	0	22.30		PASS
		12	6	22.26		PASS
		12	13	21.41		PASS
		25	0	21.81		PASS
16QAM	LCH	1	0	21.47		PASS
		1	12	21.35		PASS
		1	24	21.45		PASS
		12	0	21.39		PASS

		12	6	20.55		PASS
		12	13	21.29		PASS
		25	0	21.33		PASS
	MCH	1	0	21.15		PASS
		1	12	21.28		PASS
		1	24	20.60		PASS
		12	0	20.53		PASS
		12	6	20.74		PASS
		12	13	20.53		PASS
		25	0	21.19		PASS
		25	0	21.19		PASS
	HCH	1	0	21.49		PASS
		1	12	20.90		PASS
		1	24	20.62		PASS
		12	0	20.93		PASS
		12	6	21.27		PASS
		12	13	20.57		PASS
		25	0	20.91		PASS
		25	0	20.91		PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth 10 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.33		PASS
		1	24	21.55		PASS
		1	49	22.32		PASS
		25	0	21.62		PASS
		25	12	21.55		PASS
		25	25	21.67		PASS
		50	0	21.33		PASS
	MCH	1	0	21.87		PASS
		1	24	22.48		PASS
		1	49	21.68		PASS
		25	0	21.80		PASS
		25	12	22.29		PASS
		25	25	21.98		PASS
		50	0	21.79		PASS
	HCH	1	0	21.58		PASS
		1	24	22.17		PASS
		1	49	22.32		PASS
		25	0	21.90		PASS
		25	12	22.11		PASS
		25	25	21.60		PASS
		25	25	21.60		PASS

		50	0	21.25		PASS
16QAM	LCH	1	0	21.12		PASS
		1	24	20.77		PASS
		1	49	21.08		PASS
		25	0	21.38		PASS
		25	12	21.10		PASS
		25	25	20.94		PASS
		50	0	20.61		PASS
	MCH	1	0	20.82		PASS
		1	24	21.06		PASS
		1	49	20.93		PASS
		25	0	20.56		PASS
		25	12	20.77		PASS
		25	25	21.02		PASS
		50	0	20.98		PASS
	HCH	1	0	20.53		PASS
		1	24	20.59		PASS
		1	49	21.13		PASS
		25	0	21.31		PASS
		25	12	20.54		PASS
		25	25	20.00		PASS
		50	0	20.30		PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth 15 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.19		PASS
		1	37	22.21		PASS
		1	74	22.07		PASS
		37	0	22.12		PASS
		37	18	21.98		PASS
		37	38	21.80		PASS
		75	0	21.40		PASS
	MCH	1	0	21.89		PASS
		1	37	21.67		PASS
		1	74	21.59		PASS
		37	0	21.66		PASS
		37	18	21.58		PASS
		37	38	21.84		PASS
		75	0	21.37		PASS
	HCH	1	0	22.15		PASS

		1	37	21.72		PASS
		1	74	22.46		PASS
		37	0	22.36		PASS
		37	18	22.27		PASS
		37	38	21.76		PASS
		75	0	21.96		PASS
16QAM	LCH	1	0	20.75		PASS
		1	37	21.29		PASS
		1	74	20.97		PASS
		37	0	20.54		PASS
		37	18	21.15		PASS
		37	38	20.67		PASS
		75	0	20.50		PASS
	MCH	1	0	21.47		PASS
		1	37	20.54		PASS
		1	74	21.30		PASS
		37	0	20.58		PASS
		37	18	20.69		PASS
		37	38	20.57		PASS
		75	0	20.48		PASS
	HCH	1	0	20.67		PASS
		1	37	20.68		PASS
		1	74	21.47		PASS
		37	0	20.91		PASS
		37	18	20.86		PASS
		37	38	20.22		PASS
		75	0	20.32		PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth 20 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	21.88		PASS
		1	49	22.44		PASS
		1	99	22.32		PASS
		50	0	22.41		PASS
		50	25	22.09		PASS
		50	50	21.72		PASS
		100	0	21.81		PASS
	MCH	1	0	21.91		PASS
		1	49	21.72		PASS
		1	99	22.13		PASS

		50	0	21.56		PASS
		50	25	21.57		PASS
		50	50	22.06		PASS
		100	0	21.63		PASS
	HCH	1	0	21.93		PASS
		1	49	21.88		PASS
		1	99	22.32		PASS
		50	0	21.95		PASS
		50	25	22.01		PASS
		50	50	21.31		PASS
		100	0	21.54		PASS
16QAM	LCH	1	0	21.05		PASS
		1	49	21.46		PASS
		1	99	21.09		PASS
		50	0	21.21		PASS
		50	25	21.06		PASS
		50	50	21.35		PASS
		100	0	21.02		PASS
	MCH	1	0	21.09		PASS
		1	49	20.53		PASS
		1	99	21.07		PASS
		50	0	20.54		PASS
		50	25	21.46		PASS
		50	50	20.69		PASS
		100	0	21.46		PASS
	HCH	1	0	21.43		PASS
		1	49	20.52		PASS
		1	99	20.91		PASS
		50	0	21.21		PASS
		50	25	20.67		PASS
		50	50	20.10		PASS
		100	0	20.40		PASS