

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	21.60		PASS
		1	3	21.89		PASS
		1	5	22.46		PASS
		3	0	22.22		PASS
		3	2	21.97		PASS
		3	3	21.97		PASS
		6	0	21.91		PASS
	MCH	1	0	21.55		PASS
		1	3	21.96		PASS
		1	5	22.30		PASS
		3	0	21.95		PASS
		3	2	22.47		PASS
		3	3	21.90		PASS
		6	0	22.30		PASS
	HCH	1	0	21.55		PASS
		1	3	21.60		PASS
		1	5	21.63		PASS
		3	0	21.75		PASS
		3	2	21.60		PASS
		3	3	21.82		PASS
		6	0	21.80		PASS
16QAM	LCH	1	0	21.06		PASS
		1	3	21.04		PASS
		1	5	21.50		PASS
		3	0	21.39		PASS
		3	2	21.44		PASS
		3	3	20.65		PASS
		6	0	20.99		PASS
	MCH	1	0	21.23		PASS
		1	3	20.83		PASS
		1	5	20.94		PASS
		3	0	21.00		PASS
		3	2	20.92		PASS
		3	3	21.15		PASS
		6	0	21.46		PASS
	HCH	1	0	21.37		PASS
		1	3	21.21		PASS
		1	5	21.40		PASS

		3	0	20.59		PASS
		3	2	21.15		PASS
		3	3	20.09		PASS
		6	0	20.25		PASS

Channel Bandwidth 3 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.39		PASS
		1	7	22.15		PASS
		1	14	22.03		PASS
		8	0	22.46		PASS
		8	4	21.65		PASS
		8	7	21.70		PASS
		15	0	21.58		PASS
	MCH	1	0	22.18		PASS
		1	7	22.30		PASS
		1	14	22.19		PASS
		8	0	22.27		PASS
		8	4	22.42		PASS
		8	7	21.81		PASS
		15	0	21.57		PASS
	HCH	1	0	22.45		PASS
		1	7	21.95		PASS
		1	14	21.92		PASS
		8	0	21.82		PASS
		8	4	21.71		PASS
		8	7	21.49		PASS
		15	0	21.54		PASS
16QAM	LCH	1	0	21.28		PASS
		1	7	20.54		PASS
		1	14	21.27		PASS
		8	0	21.07		PASS
		8	4	21.44		PASS
		8	7	21.29		PASS
		15	0	20.73		PASS
	MCH	1	0	20.65		PASS
		1	7	21.42		PASS
		1	14	21.13		PASS
		8	0	21.17		PASS
		8	4	21.41		PASS
		8	7	21.19		PASS
		15	0	20.74		PASS
	HCH	1	0	21.35		PASS

		1	7	20.68		PASS
		1	14	21.21		PASS
		8	0	20.77		PASS
		8	4	20.51		PASS
		8	7	20.54		PASS
		15	0	20.21		PASS

Channel Bandwidth 5 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	21.66		PASS
		1	12	22.43		PASS
		1	24	21.56		PASS
		12	0	22.07		PASS
		12	6	21.88		PASS
		12	13	22.20		PASS
		25	0	22.15		PASS
	MCH	1	0	21.66		PASS
		1	12	21.57		PASS
		1	24	22.23		PASS
		12	0	22.38		PASS
		12	6	22.34		PASS
		12	13	22.17		PASS
		25	0	22.07		PASS
	HCH	1	0	21.56		PASS
		1	12	21.64		PASS
		1	24	22.16		PASS
		12	0	22.18		PASS
		12	6	22.29		PASS
		12	13	21.10		PASS
		25	0	21.08		PASS
16QAM	LCH	1	0	21.23		PASS
		1	12	21.00		PASS
		1	24	20.58		PASS
		12	0	20.62		PASS
		12	6	20.73		PASS
		12	13	21.48		PASS
		25	0	20.60		PASS
	MCH	1	0	21.08		PASS
		1	12	20.78		PASS
		1	24	21.15		PASS
		12	0	20.59		PASS
		12	6	20.58		PASS
		12	13	20.95		PASS

	HCH	25	0	20.88		PASS
		1	0	21.50		PASS
		1	12	21.39		PASS
		1	24	21.39		PASS
		12	0	20.60		PASS
		12	6	20.71		PASS
		12	13	20.18		PASS
		25	0	20.92		PASS

Channel Bandwidth 10 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	21.93		PASS
		1	24	21.90		PASS
		1	49	22.29		PASS
		25	0	22.14		PASS
		25	12	21.58		PASS
		25	25	22.31		PASS
		50	0	22.34		PASS
	MCH	1	0	22.35		PASS
		1	24	22.34		PASS
		1	49	22.23		PASS
		25	0	22.07		PASS
		25	12	22.41		PASS
		25	25	22.01		PASS
		50	0	22.30		PASS
	HCH	1	0	21.87		PASS
		1	24	21.55		PASS
		1	49	21.67		PASS
		25	0	22.03		PASS
		25	12	22.10		PASS
		25	25	21.79		PASS
		50	0	21.09		PASS
16QAM	LCH	1	0	21.43		PASS
		1	24	20.78		PASS
		1	49	20.82		PASS
		25	0	21.07		PASS
		25	12	20.75		PASS
		25	25	21.18		PASS
		50	0	20.88		PASS
	MCH	1	0	20.79		PASS
		1	24	20.82		PASS
		1	49	21.25		PASS
		25	0	21.04		PASS

		25	12	20.63		PASS
		25	25	20.54		PASS
		50	0	20.58		PASS
	HCH	1	0	20.64		PASS
		1	24	21.35		PASS
		1	49	21.47		PASS
		25	0	21.12		PASS
		25	12	21.08		PASS
		25	25	20.04		PASS
		50	0	20.78		PASS

Channel Bandwidth 15 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	21.73		PASS
		1	37	22.40		PASS
		1	74	22.41		PASS
		37	0	21.91		PASS
		37	18	22.07		PASS
		37	38	21.73		PASS
		75	0	22.05		PASS
	MCH	1	0	22.43		PASS
		1	37	21.63		PASS
		1	74	22.32		PASS
		37	0	22.50		PASS
		37	18	21.70		PASS
		37	38	21.73		PASS
		75	0	21.86		PASS
	HCH	1	0	22.26		PASS
		1	37	21.68		PASS
		1	74	21.57		PASS
		37	0	21.89		PASS
		37	18	21.80		PASS
		37	38	21.72		PASS
		75	0	21.62		PASS
16QAM	LCH	1	0	21.48		PASS
		1	37	21.47		PASS
		1	74	21.07		PASS
		37	0	20.89		PASS
		37	18	21.11		PASS
		37	38	20.98		PASS
		75	0	21.41		PASS
	MCH	1	0	21.49		PASS
		1	37	21.07		PASS

		1	74	20.86		PASS
		37	0	21.23		PASS
		37	18	21.09		PASS
		37	38	21.00		PASS
		75	0	21.48		PASS
	HCH	1	0	21.02		PASS
		1	37	21.10		PASS
		1	74	21.02		PASS
		37	0	21.04		PASS
		37	18	20.74		PASS
		37	38	20.19		PASS
		75	0	20.41		PASS

Channel Bandwidth 20 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.27		PASS
		1	49	21.99		PASS
		1	99	22.22		PASS
		50	0	22.31		PASS
		50	25	22.30		PASS
		50	50	22.00		PASS
		100	0	22.14		PASS
	MCH	1	0	22.48		PASS
		1	49	21.60		PASS
		1	99	22.07		PASS
		50	0	21.78		PASS
		50	25	22.35		PASS
		50	50	21.66		PASS
		100	0	21.67		PASS
	HCH	1	0	22.15		PASS
		1	49	21.93		PASS
		1	99	22.03		PASS
		50	0	22.09		PASS
		50	25	21.89		PASS
		50	50	21.87		PASS
		100	0	21.13		PASS
16QAM	LCH	1	0	20.79		PASS
		1	49	20.55		PASS
		1	99	20.86		PASS
		50	0	21.23		PASS
		50	25	20.82		PASS
		50	50	20.85		PASS
		100	0	20.70		PASS

	MCH	1	0	21.44		PASS
		1	49	21.11		PASS
		1	99	21.43		PASS
		50	0	20.87		PASS
		50	25	21.01		PASS
		50	50	21.09		PASS
		100	0	21.11		PASS
	HCH	1	0	20.72		PASS
		1	49	21.10		PASS
		1	99	20.60		PASS
		50	0	21.14		PASS
		50	25	20.69		PASS
		50	50	20.65		PASS
		100	0	20.79		PASS