

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	22.36		PASS
		1	3	22.41		PASS
		1	5	22.10		PASS
		3	0	22.20		PASS
		3	2	22.40		PASS
		3	3	22.24		PASS
		6	0	22.07		PASS
	MCH	1	0	22.34		PASS
		1	3	22.73		PASS
		1	5	22.59		PASS
		3	0	22.42		PASS
		3	2	22.19		PASS
		3	3	22.21		PASS
		6	0	22.32		PASS
	HCH	1	0	22.27		PASS
		1	3	22.20		PASS
		1	5	22.37		PASS
		3	0	22.42		PASS
		3	2	22.12		PASS
		3	3	21.99		PASS
		6	0	21.82		PASS
16QAM	LCH	1	0	21.03		PASS
		1	3	21.21		PASS
		1	5	21.28		PASS
		3	0	21.20		PASS
		3	2	20.98		PASS
		3	3	21.26		PASS
		6	0	21.42		PASS
	MCH	1	0	21.47		PASS
		1	3	21.36		PASS
		1	5	21.89		PASS
		3	0	21.35		PASS
		3	2	21.31		PASS
		3	3	21.70		PASS
		6	0	21.15		PASS
	HCH	1	0	21.22		PASS
		1	3	21.21		PASS
		1	5	21.31		PASS

		3	0	21.32		PASS
		3	2	21.29		PASS
		3	3	20.54		PASS
		6	0	20.77		PASS

Channel Bandwidth 3 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.24		PASS
		1	7	21.55		PASS
		1	14	22.24		PASS
		8	0	21.71		PASS
		8	4	22.36		PASS
		8	7	21.79		PASS
		15	0	21.58		PASS
	MCH	1	0	22.47		PASS
		1	7	21.85		PASS
		1	14	22.16		PASS
		8	0	22.33		PASS
		8	4	22.30		PASS
		8	7	22.41		PASS
		15	0	22.40		PASS
	HCH	1	0	22.35		PASS
		1	7	21.51		PASS
		1	14	21.69		PASS
		8	0	22.39		PASS
		8	4	22.38		PASS
		8	7	21.42		PASS
		15	0	21.45		PASS
16QAM	LCH	1	0	21.10		PASS
		1	7	20.95		PASS
		1	14	20.54		PASS
		8	0	21.33		PASS
		8	4	20.96		PASS
		8	7	20.82		PASS
		15	0	21.44		PASS
	MCH	1	0	21.16		PASS
		1	7	21.35		PASS
		1	14	21.47		PASS
		8	0	20.86		PASS
		8	4	21.25		PASS
		8	7	20.57		PASS
		15	0	20.76		PASS
	HCH	1	0	21.41		PASS

		1	7	21.08		PASS
		1	14	21.41		PASS
		8	0	20.60		PASS
		8	4	21.24		PASS
		8	7	20.85		PASS
		15	0	20.89		PASS

Channel Bandwidth 5 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.37		PASS
		1	12	21.78		PASS
		1	24	21.60		PASS
		12	0	21.65		PASS
		12	6	22.21		PASS
		12	13	22.08		PASS
		25	0	22.48		PASS
	MCH	1	0	21.85		PASS
		1	12	22.11		PASS
		1	24	22.09		PASS
		12	0	22.15		PASS
		12	6	22.25		PASS
		12	13	22.18		PASS
		25	0	21.55		PASS
	HCH	1	0	22.05		PASS
		1	12	21.91		PASS
		1	24	21.71		PASS
		12	0	21.94		PASS
		12	6	21.81		PASS
		12	13	21.22		PASS
		25	0	21.27		PASS
16QAM	LCH	1	0	21.12		PASS
		1	12	20.76		PASS
		1	24	20.87		PASS
		12	0	20.83		PASS
		12	6	20.72		PASS
		12	13	20.71		PASS
		25	0	20.85		PASS
	MCH	1	0	21.16		PASS
		1	12	20.64		PASS
		1	24	21.08		PASS
		12	0	20.80		PASS
		12	6	21.36		PASS
		12	13	20.66		PASS

	HCH	25	0	21.20		PASS
		1	0	21.09		PASS
		1	12	20.90		PASS
		1	24	20.74		PASS
		12	0	21.15		PASS
		12	6	20.63		PASS
		12	13	20.17		PASS
		25	0	20.16		PASS

Channel Bandwidth 10 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.31		PASS
		1	24	22.13		PASS
		1	49	21.93		PASS
		25	0	22.16		PASS
		25	12	21.81		PASS
		25	25	22.14		PASS
		50	0	21.59		PASS
	MCH	1	0	22.33		PASS
		1	24	21.96		PASS
		1	49	21.78		PASS
		25	0	21.59		PASS
		25	12	21.65		PASS
		25	25	21.97		PASS
		50	0	21.94		PASS
	HCH	1	0	22.10		PASS
		1	24	21.64		PASS
		1	49	21.90		PASS
		25	0	22.38		PASS
		25	12	22.01		PASS
		25	25	21.60		PASS
		50	0	21.04		PASS
16QAM	LCH	1	0	21.40		PASS
		1	24	21.13		PASS
		1	49	21.13		PASS
		25	0	21.16		PASS
		25	12	20.62		PASS
		25	25	20.59		PASS
		50	0	21.33		PASS
	MCH	1	0	20.82		PASS
		1	24	20.53		PASS
		1	49	21.47		PASS
		25	0	20.53		PASS

		25	12	21.01		PASS
		25	25	20.66		PASS
		50	0	20.96		PASS
	HCH	1	0	21.05		PASS
		1	24	20.73		PASS
		1	49	20.51		PASS
		25	0	21.46		PASS
		25	12	21.41		PASS
		25	25	20.56		PASS
		50	0	20.23		PASS

Channel Bandwidth 15 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.34		PASS
		1	37	21.83		PASS
		1	74	21.59		PASS
		37	0	22.02		PASS
		37	18	22.18		PASS
		37	38	21.73		PASS
		75	0	22.06		PASS
	MCH	1	0	21.75		PASS
		1	37	21.51		PASS
		1	74	21.91		PASS
		37	0	21.92		PASS
		37	18	22.15		PASS
		37	38	22.23		PASS
		75	0	22.16		PASS
	HCH	1	0	21.82		PASS
		1	37	21.69		PASS
		1	74	21.78		PASS
		37	0	22.03		PASS
		37	18	22.47		PASS
		37	38	21.88		PASS
		75	0	21.49		PASS
16QAM	LCH	1	0	20.89		PASS
		1	37	21.20		PASS
		1	74	20.84		PASS
		37	0	20.63		PASS
		37	18	20.63		PASS
		37	38	20.77		PASS
		75	0	21.21		PASS
	MCH	1	0	20.73		PASS
		1	37	20.87		PASS

		1	74	21.07		PASS
		37	0	21.41		PASS
		37	18	20.60		PASS
		37	38	21.29		PASS
		75	0	20.92		PASS
	HCH	1	0	20.50		PASS
		1	37	21.16		PASS
		1	74	20.77		PASS
		37	0	20.78		PASS
		37	18	20.68		PASS
		37	38	20.37		PASS
		75	0	20.16		PASS

Channel Bandwidth 20 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	21.74		PASS
		1	49	22.19		PASS
		1	99	22.15		PASS
		50	0	22.09		PASS
		50	25	22.13		PASS
		50	50	22.27		PASS
		100	0	22.50		PASS
	MCH	1	0	22.47		PASS
		1	49	22.19		PASS
		1	99	21.76		PASS
		50	0	21.56		PASS
		50	25	22.44		PASS
		50	50	22.48		PASS
		100	0	21.65		PASS
	HCH	1	0	22.36		PASS
		1	49	21.73		PASS
		1	99	22.32		PASS
		50	0	22.47		PASS
		50	25	21.73		PASS
		50	50	21.84		PASS
		100	0	21.51		PASS
16QAM	LCH	1	0	21.43		PASS
		1	49	21.30		PASS
		1	99	20.88		PASS
		50	0	20.70		PASS
		50	25	21.22		PASS
		50	50	20.73		PASS
		100	0	20.52		PASS

	MCH	1	0	20.57		PASS
		1	49	21.08		PASS
		1	99	20.65		PASS
		50	0	21.07		PASS
		50	25	21.36		PASS
		50	50	20.67		PASS
		100	0	21.07		PASS
	HCH	1	0	20.83		PASS
		1	49	20.86		PASS
		1	99	20.99		PASS
		50	0	21.02		PASS
		50	25	21.33		PASS
		50	50	20.84		PASS
		100	0	20.22		PASS