

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	23.32		PASS
		1	3	23.38		PASS
		1	5	23.30		PASS
		3	0	23.32		PASS
		3	2	23.34		PASS
		3	3	23.36		PASS
		6	0	22.39		PASS
	MCH	1	0	23.47		PASS
		1	3	23.53		PASS
		1	5	23.47		PASS
		3	0	23.53		PASS
		3	2	23.49		PASS
		3	3	23.49		PASS
		6	0	22.50		PASS
	HCH	1	0	23.63		PASS
		1	3	23.72		PASS
		1	5	23.65		PASS
		3	0	23.74		PASS
		3	2	23.71		PASS
		3	3	23.70		PASS
		6	0	22.75		PASS
16QAM	LCH	1	0	22.50		PASS
		1	3	22.64		PASS
		1	5	22.52		PASS
		3	0	22.44		PASS
		3	2	22.43		PASS
		3	3	22.44		PASS
		6	0	21.36		PASS
	MCH	1	0	22.78		PASS
		1	3	22.89		PASS
		1	5	22.75		PASS
		3	0	22.46		PASS
		3	2	22.45		PASS
		3	3	22.45		PASS
		6	0	21.47		PASS
	HCH	1	0	22.90		PASS
		1	3	23.00		PASS
		1	5	22.88		PASS

		3	0	22.78		PASS
		3	2	22.75		PASS
		3	3	22.79		PASS
		6	0	21.86		PASS

Channel Bandwidth 3 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	23.25		PASS
		1	7	23.35		PASS
		1	14	23.25		PASS
		8	0	22.40		PASS
		8	4	22.37		PASS
		8	7	22.39		PASS
		15	0	22.34		PASS
	MCH	1	0	23.40		PASS
		1	7	23.52		PASS
		1	14	23.39		PASS
		8	0	22.72		PASS
		8	4	22.73		PASS
		8	7	22.74		PASS
		15	0	22.71		PASS
	HCH	1	0	23.29		PASS
		1	7	23.40		PASS
		1	14	23.22		PASS
		8	0	22.38		PASS
		8	4	22.37		PASS
		8	7	22.36		PASS
		15	0	22.32		PASS
16QAM	LCH	1	0	22.50		PASS
		1	7	22.62		PASS
		1	14	22.49		PASS
		8	0	21.45		PASS
		8	4	21.45		PASS
		8	7	21.41		PASS
		15	0	21.31		PASS
	MCH	1	0	22.84		PASS
		1	7	22.96		PASS
		1	14	22.81		PASS
		8	0	21.78		PASS
		8	4	21.79		PASS
		8	7	21.78		PASS
		15	0	21.68		PASS
	HCH	1	0	22.64		PASS

		1	7	22.76		PASS
		1	14	22.59		PASS
		8	0	21.37		PASS
		8	4	21.35		PASS
		8	7	21.33		PASS
		15	0	21.33		PASS

Channel Bandwidth 5 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	23.52		PASS
		1	12	23.60		PASS
		1	24	23.55		PASS
		12	0	22.60		PASS
		12	6	22.60		PASS
		12	13	22.61		PASS
		25	0	22.55		PASS
	MCH	1	0	23.74		PASS
		1	12	23.84		PASS
		1	24	23.68		PASS
		12	0	22.60		PASS
		12	6	22.57		PASS
		12	13	22.55		PASS
		25	0	22.51		PASS
	HCH	1	0	23.69		PASS
		1	12	23.83		PASS
		1	24	23.70		PASS
		12	0	22.73		PASS
		12	6	22.74		PASS
		12	13	22.75		PASS
		25	0	22.69		PASS
16QAM	LCH	1	0	22.89		PASS
		1	12	22.96		PASS
		1	24	22.88		PASS
		12	0	21.71		PASS
		12	6	21.73		PASS
		12	13	21.73		PASS
		25	0	21.60		PASS
	MCH	1	0	22.84		PASS
		1	12	22.92		PASS
		1	24	22.74		PASS
		12	0	21.70		PASS
		12	6	21.67		PASS
		12	13	21.68		PASS

		25	0	21.53		PASS
	HCH	1	0	22.72		PASS
		1	12	22.83		PASS
		1	24	22.71		PASS
		12	0	21.75		PASS
		12	6	21.77		PASS
		12	13	21.77		PASS
		25	0	21.72		PASS

Channel Bandwidth 10 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	23.34		PASS
		1	24	23.44		PASS
		1	49	23.44		PASS
		25	0	22.44		PASS
		25	12	22.43		PASS
		25	25	22.44		PASS
		50	0	22.43		PASS
	MCH	1	0	23.44		PASS
		1	24	23.56		PASS
		1	49	23.43		PASS
		25	0	22.53		PASS
		25	12	22.54		PASS
		25	25	22.48		PASS
		50	0	22.51		PASS
	HCH	1	0	23.62		PASS
		1	24	23.68		PASS
		1	49	23.68		PASS
		25	0	22.67		PASS
		25	12	22.68		PASS
		25	25	22.66		PASS
		50	0	22.67		PASS
16QAM	LCH	1	0	22.63		PASS
		1	24	22.69		PASS
		1	49	22.70		PASS
		25	0	21.45		PASS
		25	12	21.44		PASS
		25	25	21.46		PASS
		50	0	21.43		PASS
	MCH	1	0	22.77		PASS
		1	24	22.78		PASS
		1	49	22.61		PASS
		25	0	21.55		PASS

		25	12	21.52		PASS
		25	25	21.46		PASS
		50	0	21.48		PASS
	HCH	1	0	22.97		PASS
		1	24	23.06		PASS
		1	49	23.05		PASS
		25	0	21.66		PASS
		25	12	21.70		PASS
		25	25	21.69		PASS
		50	0	21.73		PASS

Channel Bandwidth 15 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	23.38		PASS
		1	37	23.49		PASS
		1	74	23.48		PASS
		37	0	22.49		PASS
		37	18	22.53		PASS
		37	38	22.54		PASS
		75	0	22.53		PASS
	MCH	1	0	23.52		PASS
		1	37	23.61		PASS
		1	74	23.43		PASS
		37	0	22.61		PASS
		37	18	22.62		PASS
		37	38	22.58		PASS
		75	0	22.62		PASS
	HCH	1	0	23.53		PASS
		1	37	23.74		PASS
		1	74	23.69		PASS
		37	0	22.69		PASS
		37	18	22.75		PASS
		37	38	22.77		PASS
		75	0	22.75		PASS
16QAM	LCH	1	0	22.61		PASS
		1	37	22.76		PASS
		1	74	22.74		PASS
		37	0	21.46		PASS
		37	18	21.53		PASS
		37	38	21.54		PASS
		75	0	21.51		PASS
	MCH	1	0	22.79		PASS
		1	37	22.86		PASS

		1	74	22.66		PASS
		37	0	21.59		PASS
		37	18	21.59		PASS
		37	38	21.52		PASS
		75	0	21.58		PASS
	HCH	1	0	22.73		PASS
		1	37	23.08		PASS
		1	74	22.94		PASS
		37	0	21.66		PASS
		37	18	21.71		PASS
		37	38	21.75		PASS
		75	0	21.70		PASS

Channel Bandwidth 20 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	23.51		PASS
		1	49	23.59		PASS
		1	99	23.57		PASS
		50	0	22.49		PASS
		50	25	22.49		PASS
		50	50	22.53		PASS
		100	0	22.48		PASS
	MCH	1	0	23.69		PASS
		1	49	23.70		PASS
		1	99	23.64		PASS
		50	0	22.60		PASS
		50	25	22.53		PASS
		50	50	22.51		PASS
		100	0	22.54		PASS
	HCH	1	0	23.54		PASS
		1	49	23.71		PASS
		1	99	23.77		PASS
		50	0	22.54		PASS
		50	25	22.65		PASS
		50	50	22.69		PASS
		100	0	22.60		PASS
16QAM	LCH	1	0	22.68		PASS
		1	49	22.76		PASS
		1	99	22.73		PASS
		50	0	21.45		PASS
		50	25	21.50		PASS
		50	50	21.51		PASS
		100	0	21.47		PASS

	MCH	1	0	22.86		PASS
		1	49	22.83		PASS
		1	99	22.73		PASS
		50	0	21.56		PASS
		50	25	21.52		PASS
		50	50	21.45		PASS
		100	0	21.52		PASS
	HCH	1	0	22.81		PASS
		1	49	23.03		PASS
		1	99	23.05		PASS
		50	0	21.55		PASS
		50	25	21.67		PASS
		50	50	21.75		PASS
		100	0	21.59		PASS