

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	21.92		PASS
		1	3	22.36		PASS
		1	5	22.44		PASS
		3	0	22.14		PASS
		3	2	21.56		PASS
		3	3	22.33		PASS
		6	0	21.98		PASS
	MCH	1	0	22.13		PASS
		1	3	21.80		PASS
		1	5	22.27		PASS
		3	0	21.60		PASS
		3	2	21.77		PASS
		3	3	21.90		PASS
		6	0	21.68		PASS
	HCH	1	0	22.26		PASS
		1	3	22.45		PASS
		1	5	21.68		PASS
		3	0	22.13		PASS
		3	2	22.11		PASS
		3	3	21.14		PASS
		6	0	21.74		PASS
16QAM	LCH	1	0	20.64		PASS
		1	3	20.52		PASS
		1	5	21.37		PASS
		3	0	21.20		PASS
		3	2	20.51		PASS
		3	3	21.00		PASS
		6	0	21.14		PASS
	MCH	1	0	20.70		PASS
		1	3	20.99		PASS
		1	5	21.42		PASS
		3	0	21.31		PASS
		3	2	21.12		PASS
		3	3	20.58		PASS
		6	0	21.13		PASS

	HCH	1	0	20.97		PASS
		1	3	21.23		PASS
		1	5	21.12		PASS
		3	0	21.04		PASS
		3	2	21.09		PASS
		3	3	20.05		PASS
		6	0	20.56		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	21.97		PASS
		1	7	21.60		PASS
		1	14	22.33		PASS
		8	0	21.92		PASS
		8	4	21.69		PASS
		8	7	21.56		PASS
		15	0	21.75		PASS
	MCH	1	0	21.62		PASS
		1	7	22.04		PASS
		1	14	22.50		PASS
		8	0	21.68		PASS
		8	4	22.37		PASS
		8	7	21.63		PASS
		15	0	22.26		PASS
	HCH	1	0	22.22		PASS
		1	7	22.13		PASS
		1	14	22.32		PASS
		8	0	22.09		PASS
		8	4	21.79		PASS
		8	7	21.89		PASS
		15	0	21.07		PASS
16QAM	LCH	1	0	20.84		PASS
		1	7	20.51		PASS
		1	14	20.67		PASS
		8	0	20.43		PASS
		8	4	20.74		PASS
		8	7	20.56		PASS
		15	0	20.42		PASS
	MCH	1	0	20.55		PASS
		1	7	21.20		PASS

		1	14	20.91		PASS
		8	0	20.94		PASS
		8	4	20.88		PASS
		8	7	20.93		PASS
		15	0	20.77		PASS
	HCH	1	0	20.56		PASS
		1	7	20.68		PASS
		1	14	20.86		PASS
		8	0	20.42		PASS
		8	4	20.19		PASS
		8	7	20.68		PASS
		15	0	20.25		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	22.28		PASS
		1	12	22.19		PASS
		1	24	21.85		PASS
		12	0	21.54		PASS
		12	6	21.25		PASS
		12	13	21.49		PASS
		25	0	21.01		PASS
	MCH	1	0	22.24		PASS
		1	12	22.12		PASS
		1	24	22.02		PASS
		12	0	21.77		PASS
		12	6	21.68		PASS
		12	13	21.90		PASS
		25	0	21.48		PASS
	HCH	1	0	21.93		PASS
		1	12	22.20		PASS
		1	24	22.14		PASS
		12	0	21.77		PASS
		12	6	21.82		PASS
		12	13	21.81		PASS
		25	0	21.23		PASS
16QAM	LCH	1	0	21.84		PASS
		1	12	21.25		PASS
		1	24	21.13		PASS
		12	0	21.45		PASS

		12	6	21.06		PASS
		12	13	21.38		PASS
		25	0	21.01		PASS
	MCH	1	0	20.90		PASS
		1	12	21.50		PASS
		1	24	21.45		PASS
		12	0	20.90		PASS
		12	6	20.60		PASS
		12	13	20.91		PASS
		25	0	20.64		PASS
	HCH	1	0	20.60		PASS
		1	12	21.23		PASS
		1	24	20.76		PASS
		12	0	20.69		PASS
		12	6	20.93		PASS
		12	13	20.45		PASS
		25	0	20.59		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	21.96		PASS
		1	24	22.27		PASS
		1	49	22.32		PASS
		25	0	21.47		PASS
		25	12	21.38		PASS
		25	25	21.80		PASS
		50	0	21.28		PASS
	MCH	1	0	22.45		PASS
		1	24	21.75		PASS
		1	49	21.91		PASS
		25	0	21.80		PASS
		25	12	21.65		PASS
		25	25	21.53		PASS
		50	0	21.68		PASS
	HCH	1	0	22.11		PASS
		1	24	21.70		PASS
		1	49	22.36		PASS
		25	0	21.81		PASS
		25	12	21.69		PASS
		25	25	21.84		PASS

		50	0	21.47		PASS
16QAM	LCH	1	0	20.91		PASS
		1	24	20.89		PASS
		1	49	21.25		PASS
		25	0	20.84		PASS
		25	12	20.96		PASS
		25	25	20.76		PASS
		50	0	20.66		PASS
	MCH	1	0	20.58		PASS
		1	24	21.17		PASS
		1	49	21.07		PASS
		25	0	20.42		PASS
		25	12	20.46		PASS
		25	25	20.18		PASS
		50	0	20.27		PASS
	HCH	1	0	21.43		PASS
		1	24	21.30		PASS
		1	49	21.28		PASS
		25	0	20.96		PASS
		25	12	20.60		PASS
		25	25	20.25		PASS
		50	0	20.45		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	22.05		PASS
		1	37	21.72		PASS
		1	74	21.82		PASS
		37	0	21.30		PASS
		37	18	21.44		PASS
		37	38	21.36		PASS
		75	0	21.13		PASS
	MCH	1	0	22.22		PASS
		1	37	22.04		PASS
		1	74	21.74		PASS
		37	0	21.93		PASS
		37	18	21.92		PASS
		37	38	21.89		PASS
		75	0	21.60		PASS
	HCH	1	0	22.37		PASS

		1	37	21.62		PASS
		1	74	22.05		PASS
		37	0	21.81		PASS
		37	18	21.92		PASS
		37	38	21.26		PASS
		75	0	21.89		PASS
16QAM	LCH	1	0	21.08		PASS
		1	37	21.35		PASS
		1	74	21.01		PASS
		37	0	20.72		PASS
		37	18	20.28		PASS
		37	38	20.64		PASS
		75	0	20.30		PASS
	MCH	1	0	20.68		PASS
		1	37	21.13		PASS
		1	74	20.86		PASS
		37	0	20.74		PASS
		37	18	20.76		PASS
		37	38	20.81		PASS
		75	0	20.43		PASS
	HCH	1	0	20.51		PASS
		1	37	21.40		PASS
		1	74	20.84		PASS
		37	0	20.73		PASS
		37	18	20.91		PASS
		37	38	20.59		PASS
		75	0	20.63		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	21.89		PASS
		1	49	22.06		PASS
		1	99	22.19		PASS
		50	0	21.89		PASS
		50	25	21.66		PASS
		50	50	21.64		PASS
		100	0	21.75		PASS
	MCH	1	0	21.94		PASS
		1	49	21.81		PASS
		1	99	22.15		PASS

		50	0	21.66		PASS
		50	25	21.32		PASS
		50	50	21.89		PASS
		100	0	21.55		PASS
	HCH	1	0	22.36		PASS
		1	49	22.27		PASS
		1	99	21.55		PASS
		50	0	21.53		PASS
		50	25	21.92		PASS
		50	50	21.94		PASS
		100	0	21.63		PASS
16QAM	LCH	1	0	21.12		PASS
		1	49	20.66		PASS
		1	99	20.70		PASS
		50	0	20.44		PASS
		50	25	20.45		PASS
		50	50	20.09		PASS
		100	0	20.19		PASS
	MCH	1	0	20.77		PASS
		1	49	20.90		PASS
		1	99	20.54		PASS
		50	0	20.18		PASS
		50	25	20.73		PASS
		50	50	20.21		PASS
		100	0	20.44		PASS
	HCH	1	0	21.00		PASS
		1	49	21.35		PASS
		1	99	21.37		PASS
		50	0	20.48		PASS
		50	25	20.44		PASS
		50	50	20.14		PASS
		100	0	20.46		PASS