

## 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	22.31		PASS
		1	3	21.64		PASS
		1	5	21.72		PASS
		3	0	22.10		PASS
		3	2	21.72		PASS
		3	3	21.61		PASS
		6	0	22.31		PASS
	MCH	1	0	22.33		PASS
		1	3	21.67		PASS
		1	5	22.04		PASS
		3	0	22.02		PASS
		3	2	21.95		PASS
		3	3	21.84		PASS
		6	0	22.26		PASS
	HCH	1	0	22.15		PASS
		1	3	21.64		PASS
		1	5	22.00		PASS
		3	0	21.98		PASS
		3	2	22.16		PASS
		3	3	22.13		PASS
		6	0	22.22		PASS
16QAM	LCH	1	0	21.86		PASS
		1	3	21.92		PASS
		1	5	21.87		PASS
		3	0	21.90		PASS
		3	2	21.40		PASS
		3	3	21.68		PASS
		6	0	21.89		PASS
	MCH	1	0	21.52		PASS
		1	3	21.41		PASS
		1	5	21.73		PASS
		3	0	21.72		PASS
		3	2	21.45		PASS
		3	3	21.23		PASS
		6	0	21.69		PASS
	HCH	1	0	21.81		PASS
		1	3	21.22		PASS
		1	5	21.31		PASS

		3	0	21.91		PASS
		3	2	21.94		PASS
		3	3	21.83		PASS
		6	0	21.66		PASS

Channel Bandwidth 3 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.23		PASS
		1	7	22.02		PASS
		1	14	21.63		PASS
		8	0	21.78		PASS
		8	4	22.07		PASS
		8	7	22.23		PASS
		15	0	21.87		PASS
	MCH	1	0	21.85		PASS
		1	7	22.10		PASS
		1	14	22.07		PASS
		8	0	21.70		PASS
		8	4	22.27		PASS
		8	7	21.70		PASS
		15	0	21.63		PASS
	HCH	1	0	22.29		PASS
		1	7	21.93		PASS
		1	14	21.83		PASS
		8	0	21.68		PASS
		8	4	21.61		PASS
		8	7	22.14		PASS
		15	0	21.87		PASS
16QAM	LCH	1	0	21.44		PASS
		1	7	21.97		PASS
		1	14	21.36		PASS
		8	0	21.51		PASS
		8	4	21.77		PASS
		8	7	21.62		PASS
		15	0	21.58		PASS
	MCH	1	0	21.22		PASS
		1	7	21.24		PASS
		1	14	21.35		PASS
		8	0	21.21		PASS
		8	4	21.87		PASS
		8	7	21.24		PASS
		15	0	21.27		PASS
HCH	1	0	21.69		PASS	

		1	7	21.33		PASS
		1	14	21.38		PASS
		8	0	21.59		PASS
		8	4	21.88		PASS
		8	7	21.21		PASS
		15	0	21.79		PASS

Channel Bandwidth 5 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	21.94		PASS
		1	12	22.20		PASS
		1	24	22.33		PASS
		12	0	22.08		PASS
		12	6	21.82		PASS
		12	13	22.37		PASS
		25	0	22.15		PASS
	MCH	1	0	22.04		PASS
		1	12	21.71		PASS
		1	24	21.68		PASS
		12	0	22.15		PASS
		12	6	21.62		PASS
		12	13	21.88		PASS
		25	0	22.14		PASS
	HCH	1	0	22.31		PASS
		1	12	21.70		PASS
		1	24	22.11		PASS
		12	0	21.73		PASS
		12	6	22.13		PASS
		12	13	22.36		PASS
		25	0	22.37		PASS
16QAM	LCH	1	0	21.28		PASS
		1	12	21.64		PASS
		1	24	21.25		PASS
		12	0	21.66		PASS
		12	6	21.53		PASS
		12	13	21.58		PASS
		25	0	21.69		PASS
	MCH	1	0	21.49		PASS
		1	12	21.34		PASS
		1	24	21.20		PASS
		12	0	21.45		PASS
		12	6	21.62		PASS
		12	13	21.43		PASS

	HCH	25	0	21.66	PASS
		1	0	21.33	PASS
		1	12	21.99	PASS
		1	24	21.80	PASS
		12	0	21.66	PASS
		12	6	21.96	PASS
		12	13	21.31	PASS
		25	0	21.77	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	21.72	PASS	
		1	49	21.95	PASS	
		25	0	22.38	PASS	
		25	12	21.68	PASS	
		25	25	22.30	PASS	
		50	0	21.82	PASS	
	MCH	1	0	22.09	PASS	
		1	24	21.69	PASS	
		1	49	22.00	PASS	
		25	0	22.18	PASS	
		25	12	22.00	PASS	
		25	25	22.36	PASS	
		50	0	22.03	PASS	
	HCH	1	0	22.26	PASS	
		1	24	22.32	PASS	
		1	49	21.92	PASS	
		25	0	21.92	PASS	
		25	12	22.00	PASS	
		25	25	21.61	PASS	
		50	0	22.09	PASS	
16QAM	LCH	1	0	21.59	PASS	
		1	24	21.27	PASS	
		1	49	21.82	PASS	
		25	0	21.81	PASS	
		25	12	21.54	PASS	
		25	25	21.88	PASS	
		50	0	21.39	PASS	
	MCH	1	0	21.47	PASS	
		1	24	21.59	PASS	
		1	49	21.23	PASS	
		25	0	21.74	PASS	

		25	12	21.62	PASS	
		25	25	21.42	PASS	
		50	0	21.93	PASS	
	HCH		1	0	21.79	PASS
			1	24	21.62	PASS
			1	49	21.96	PASS
			25	0	21.52	PASS
			25	12	21.51	PASS
			25	25	21.65	PASS
		50	0	21.24	PASS	

Channel Bandwidth 15 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.11	PASS	
		1	37	21.84	PASS	
		1	74	21.93	PASS	
		37	0	22.30	PASS	
		37	18	22.12	PASS	
		37	38	22.27	PASS	
		75	0	22.27	PASS	
	MCH		1	0	22.27	PASS
			1	37	22.20	PASS
			1	74	21.94	PASS
			37	0	22.04	PASS
			37	18	22.26	PASS
			37	38	22.29	PASS
			75	0	22.29	PASS
	HCH		1	0	22.10	PASS
			1	37	22.26	PASS
			1	74	22.08	PASS
			37	0	22.37	PASS
			37	18	22.20	PASS
			37	38	22.21	PASS
			75	0	22.43	PASS
16QAM	LCH	1	0	21.90	PASS	
		1	37	21.45	PASS	
		1	74	21.92	PASS	
		37	0	21.98	PASS	
		37	18	21.86	PASS	
		37	38	21.42	PASS	
		75	0	22.10	PASS	
	MCH		1	0	21.84	PASS
			1	37	22.04	PASS

		1	74	21.63		PASS
		37	0	21.55		PASS
		37	18	21.68		PASS
		37	38	22.06		PASS
		75	0	21.43		PASS
	HCH	1	0	21.83		PASS
		1	37	22.18		PASS
		1	74	22.13		PASS
		37	0	21.91		PASS
		37	18	21.85		PASS
		37	38	21.57		PASS
		75	0	22.18		PASS

Channel Bandwidth 20 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	<b>22.89</b>		PASS
		1	49	22.13		PASS
		1	99	22.68		PASS
		50	0	22.79		PASS
		50	25	22.41		PASS
		50	50	22.83		PASS
		100	0	22.12		PASS
	MCH	1	0	22.51		PASS
		1	49	22.62		PASS
		1	99	22.68		PASS
		50	0	22.15		PASS
		50	25	22.24		PASS
		50	50	22.14		PASS
		100	0	22.75		PASS
	HCH	1	0	22.70		PASS
		1	49	22.80		PASS
		1	99	22.54		PASS
		50	0	22.88		PASS
		50	25	22.52		PASS
		50	50	22.82		PASS
		100	0	22.72		PASS
16QAM	LCH	1	0	22.06		PASS
		1	49	22.06		PASS
		1	99	21.97		PASS
		50	0	<b>22.33</b>		PASS
		50	25	22.24		PASS
		50	50	21.68		PASS
		100	0	21.94		PASS

	MCH	1	0	21.64		PASS
		1	49	21.95		PASS
		1	99	22.08		PASS
		50	0	21.92		PASS
		50	25	21.74		PASS
		50	50	21.88		PASS
		100	0	22.23		PASS
	HCH	1	0	22.31		PASS
		1	49	21.71		PASS
		1	99	21.79		PASS
		50	0	21.60		PASS
		50	25	22.06		PASS
		50	50	22.11		PASS
		100	0	21.82		PASS