

Appendix for LTE Band 2

CONTENTS

Appendix A: Effective (Isotropic) Radiated Power Output Data for M1 3

 Test Result 3

Appendix B: Peak-to-Average Ratio(CCDF) for M1 6

 Test Result 6

 Test Graphs 8

Appendix C: 26dB Bandwidth and Occupied Bandwidth for M1 26

 Test Result 26

 Test Graphs 28

Appendix D: Band Edge for M1 37

 Test Result 37

 Test Graphs 39

Appendix E: Conducted Spurious Emission for M1 51

 Test Result 51

 Test Graphs 56

Appendix F: Frequency Stability for M1 101

 Test Result 101

Appendix A: Effective (Isotropic) Radiated Power Output Data for M1

Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Conducted Power(dBm)	Limit(dBm)	Verdict
Band2	1.4MHz	18607	QPSK	1	0	Low	23.32	<33	PASS
Band2	1.4MHz	18607	16QAM	1	0	Low	22.42	<33	PASS
Band2	1.4MHz	18607	QPSK	1	5	Low	23.45	<33	PASS
Band2	1.4MHz	18607	16QAM	1	5	Low	22.55	<33	PASS
Band2	1.4MHz	18607	QPSK	6	0	Low	21.39	<33	PASS
Band2	1.4MHz	18607	16QAM	6	0	Low	21.39	<33	PASS
Band2	1.4MHz	18900	QPSK	1	0	Low	23.38	<33	PASS
Band2	1.4MHz	18900	16QAM	1	0	Low	22.53	<33	PASS
Band2	1.4MHz	18900	QPSK	1	5	Low	23.49	<33	PASS
Band2	1.4MHz	18900	16QAM	1	5	Low	22.66	<33	PASS
Band2	1.4MHz	18900	QPSK	6	0	Low	21.44	<33	PASS
Band2	1.4MHz	18900	16QAM	6	0	Low	21.44	<33	PASS
Band2	1.4MHz	19193	QPSK	1	0	High	23.25	<33	PASS
Band2	1.4MHz	19193	16QAM	1	0	High	22.53	<33	PASS
Band2	1.4MHz	19193	QPSK	1	5	High	23.46	<33	PASS
Band2	1.4MHz	19193	16QAM	1	5	High	22.57	<33	PASS
Band2	1.4MHz	19193	QPSK	6	0	High	21.43	<33	PASS
Band2	1.4MHz	19193	16QAM	6	0	High	21.44	<33	PASS
Band2	3MHz	18615	QPSK	1	0	Low	23.18	<33	PASS
Band2	3MHz	18615	16QAM	1	0	Low	22.41	<33	PASS
Band2	3MHz	18615	QPSK	1	5	Low	23.44	<33	PASS
Band2	3MHz	18615	16QAM	1	5	Low	22.52	<33	PASS
Band2	3MHz	18615	QPSK	6	0	Low	21.38	<33	PASS
Band2	3MHz	18615	16QAM	6	0	Low	21.38	<33	PASS
Band2	3MHz	18900	QPSK	1	0	Low	23.27	<33	PASS
Band2	3MHz	18900	16QAM	1	0	Low	22.54	<33	PASS
Band2	3MHz	18900	QPSK	1	5	Low	23.53	<33	PASS
Band2	3MHz	18900	16QAM	1	5	Low	22.66	<33	PASS
Band2	3MHz	18900	QPSK	6	0	Low	21.44	<33	PASS

Band2	3MHz	18900	16QAM	6	0	Low	21.44	<33	PASS
Band2	3MHz	19185	QPSK	1	0	High	23.26	<33	PASS
Band2	3MHz	19185	16QAM	1	0	High	22.53	<33	PASS
Band2	3MHz	19185	QPSK	1	5	High	23.45	<33	PASS
Band2	3MHz	19185	16QAM	1	5	High	22.60	<33	PASS
Band2	3MHz	19185	QPSK	6	0	High	21.42	<33	PASS
Band2	3MHz	19185	16QAM	6	0	High	21.43	<33	PASS
Band2	5MHz	18625	QPSK	1	0	Low	23.17	<33	PASS
Band2	5MHz	18625	16QAM	1	0	Low	22.44	<33	PASS
Band2	5MHz	18625	QPSK	1	5	Low	23.31	<33	PASS
Band2	5MHz	18625	16QAM	1	5	Low	22.76	<33	PASS
Band2	5MHz	18625	QPSK	6	0	Low	22.36	<33	PASS
Band2	5MHz	18625	16QAM	6	0	Low	22.36	<33	PASS
Band2	5MHz	18900	QPSK	1	0	Low	23.16	<33	PASS
Band2	5MHz	18900	16QAM	1	0	Low	22.29	<33	PASS
Band2	5MHz	18900	QPSK	1	5	Low	23.13	<33	PASS
Band2	5MHz	18900	16QAM	1	5	Low	22.39	<33	PASS
Band2	5MHz	18900	QPSK	6	0	Low	22.42	<33	PASS
Band2	5MHz	18900	16QAM	6	0	Low	22.42	<33	PASS
Band2	5MHz	19175	QPSK	1	0	High	23.25	<33	PASS
Band2	5MHz	19175	16QAM	1	0	High	22.47	<33	PASS
Band2	5MHz	19175	QPSK	1	5	High	23.32	<33	PASS
Band2	5MHz	19175	16QAM	1	5	High	22.61	<33	PASS
Band2	5MHz	19175	QPSK	6	0	High	22.43	<33	PASS
Band2	5MHz	19175	16QAM	6	0	High	22.43	<33	PASS
Band2	10MHz	18650	QPSK	1	0	Low	23.31	<33	PASS
Band2	10MHz	18650	16QAM	1	0	Low	22.46	<33	PASS
Band2	10MHz	18650	QPSK	1	5	Low	23.30	<33	PASS
Band2	10MHz	18650	16QAM	1	5	Low	22.73	<33	PASS
Band2	10MHz	18650	QPSK	6	0	Low	22.30	<33	PASS
Band2	10MHz	18650	16QAM	6	0	Low	22.30	<33	PASS
Band2	10MHz	18900	QPSK	1	0	Low	23.34	<33	PASS
Band2	10MHz	18900	16QAM	1	0	Low	22.63	<33	PASS
Band2	10MHz	18900	QPSK	1	5	Low	23.39	<33	PASS
Band2	10MHz	18900	16QAM	1	5	Low	22.87	<33	PASS
Band2	10MHz	18900	QPSK	6	0	Low	22.49	<33	PASS
Band2	10MHz	18900	16QAM	6	0	Low	22.49	<33	PASS
Band2	10MHz	19150	QPSK	1	0	High	23.26	<33	PASS
Band2	10MHz	19150	16QAM	1	0	High	22.42	<33	PASS
Band2	10MHz	19150	QPSK	1	5	High	23.33	<33	PASS
Band2	10MHz	19150	16QAM	1	5	High	22.62	<33	PASS

Band2	10MHz	19150	QPSK	6	0	High	22.43	<33	PASS
Band2	10MHz	19150	16QAM	6	0	High	22.44	<33	PASS
Band2	15MHz	18675	QPSK	1	0	Low	23.31	<33	PASS
Band2	15MHz	18675	16QAM	1	0	Low	22.57	<33	PASS
Band2	15MHz	18675	QPSK	1	5	Low	23.31	<33	PASS
Band2	15MHz	18675	16QAM	1	5	Low	22.77	<33	PASS
Band2	15MHz	18675	QPSK	6	0	Low	23.42	<33	PASS
Band2	15MHz	18675	16QAM	6	0	Low	23.42	<33	PASS
Band2	15MHz	18900	QPSK	1	0	Low	23.38	<33	PASS
Band2	15MHz	18900	16QAM	1	0	Low	22.67	<33	PASS
Band2	15MHz	18900	QPSK	1	5	Low	23.43	<33	PASS
Band2	15MHz	18900	16QAM	1	5	Low	22.93	<33	PASS
Band2	15MHz	18900	QPSK	6	0	Low	23.52	<33	PASS
Band2	15MHz	18900	16QAM	6	0	Low	23.56	<33	PASS
Band2	15MHz	19125	QPSK	1	0	High	23.26	<33	PASS
Band2	15MHz	19125	16QAM	1	0	High	22.41	<33	PASS
Band2	15MHz	19125	QPSK	1	5	High	23.26	<33	PASS
Band2	15MHz	19125	16QAM	1	5	High	22.61	<33	PASS
Band2	15MHz	19125	QPSK	6	0	High	23.32	<33	PASS
Band2	15MHz	19125	16QAM	6	0	High	23.36	<33	PASS
Band2	20MHz	18700	QPSK	1	0	Low	23.32	<33	PASS
Band2	20MHz	18700	16QAM	1	0	Low	22.54	<33	PASS
Band2	20MHz	18700	QPSK	1	5	Low	23.32	<33	PASS
Band2	20MHz	18700	16QAM	1	5	Low	22.78	<33	PASS
Band2	20MHz	18700	QPSK	6	0	Low	23.39	<33	PASS
Band2	20MHz	18700	16QAM	6	0	Low	23.39	<33	PASS
Band2	20MHz	18900	QPSK	1	0	Low	23.16	<33	PASS
Band2	20MHz	18900	16QAM	1	0	Low	22.32	<33	PASS
Band2	20MHz	18900	QPSK	1	5	Low	23.24	<33	PASS
Band2	20MHz	18900	16QAM	1	5	Low	22.45	<33	PASS
Band2	20MHz	18900	QPSK	6	0	Low	23.57	<33	PASS
Band2	20MHz	18900	16QAM	6	0	Low	23.56	<33	PASS
Band2	20MHz	19100	QPSK	1	0	High	23.25	<33	PASS
Band2	20MHz	19100	16QAM	1	0	High	22.40	<33	PASS
Band2	20MHz	19100	QPSK	1	5	High	23.24	<33	PASS
Band2	20MHz	19100	16QAM	1	5	High	22.73	<33	PASS
Band2	20MHz	19100	QPSK	6	0	High	23.27	<33	PASS
Band2	20MHz	19100	16QAM	6	0	High	23.26	<33	PASS

Appendix B: Peak-to-Average Ratio(CCDF) for M1**Test Result**

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NBIndex	Result(dB)	Limit(dB)	Verdict
Band2	1.4MHz	18607	QPSK	1	0	Low	4.00	<=13	PASS
Band2	1.4MHz	18607	16QAM	1	0	Low	5.28	<=13	PASS
Band2	1.4MHz	18607	QPSK	6	0	Low	4.81	<=13	PASS
Band2	1.4MHz	18607	16QAM	6	0	Low	4.81	<=13	PASS
Band2	1.4MHz	18900	QPSK	1	0	Low	3.86	<=13	PASS
Band2	1.4MHz	18900	16QAM	1	0	Low	5.10	<=13	PASS
Band2	1.4MHz	18900	QPSK	6	0	Low	4.81	<=13	PASS
Band2	1.4MHz	18900	16QAM	6	0	Low	4.70	<=13	PASS
Band2	1.4MHz	19193	QPSK	1	0	High	3.59	<=13	PASS
Band2	1.4MHz	19193	16QAM	1	0	High	4.84	<=13	PASS
Band2	1.4MHz	19193	QPSK	6	0	High	4.46	<=13	PASS
Band2	1.4MHz	19193	16QAM	6	0	High	4.46	<=13	PASS
Band2	3MHz	18615	QPSK	1	0	Low	3.71	<=13	PASS
Band2	3MHz	18615	16QAM	1	0	Low	5.10	<=13	PASS
Band2	3MHz	18615	QPSK	6	0	Low	4.67	<=13	PASS
Band2	3MHz	18615	16QAM	6	0	Low	4.67	<=13	PASS
Band2	3MHz	18900	QPSK	1	0	Low	3.51	<=13	PASS
Band2	3MHz	18900	16QAM	1	0	Low	4.93	<=13	PASS
Band2	3MHz	18900	QPSK	6	0	Low	4.55	<=13	PASS
Band2	3MHz	18900	16QAM	6	0	Low	4.55	<=13	PASS
Band2	3MHz	19185	QPSK	1	0	High	3.16	<=13	PASS
Band2	3MHz	19185	16QAM	1	0	High	4.58	<=13	PASS
Band2	3MHz	19185	QPSK	6	0	High	4.23	<=13	PASS
Band2	3MHz	19185	16QAM	6	0	High	4.23	<=13	PASS
Band2	5MHz	18625	QPSK	1	0	Low	4.00	<=13	PASS
Band2	5MHz	18625	16QAM	1	0	Low	5.39	<=13	PASS
Band2	5MHz	18625	QPSK	6	0	Low	4.38	<=13	PASS
Band2	5MHz	18625	16QAM	6	0	Low	4.35	<=13	PASS
Band2	5MHz	18900	QPSK	1	0	Low	3.91	<=13	PASS
Band2	5MHz	18900	16QAM	1	0	Low	5.07	<=13	PASS
Band2	5MHz	18900	QPSK	6	0	Low	4.23	<=13	PASS
Band2	5MHz	18900	16QAM	6	0	Low	4.23	<=13	PASS
Band2	5MHz	19175	QPSK	1	0	High	3.30	<=13	PASS

Band2	5MHz	19175	16QAM	1	0	High	4.84	<=13	PASS
Band2	5MHz	19175	QPSK	6	0	High	3.88	<=13	PASS
Band2	5MHz	19175	16QAM	6	0	High	3.88	<=13	PASS
Band2	10MHz	18650	QPSK	1	0	Low	3.91	<=13	PASS
Band2	10MHz	18650	16QAM	1	0	Low	5.36	<=13	PASS
Band2	10MHz	18650	QPSK	6	0	Low	4.38	<=13	PASS
Band2	10MHz	18650	16QAM	6	0	Low	4.41	<=13	PASS
Band2	10MHz	18900	QPSK	1	0	Low	3.83	<=13	PASS
Band2	10MHz	18900	16QAM	1	0	Low	5.25	<=13	PASS
Band2	10MHz	18900	QPSK	6	0	Low	4.29	<=13	PASS
Band2	10MHz	18900	16QAM	6	0	Low	4.29	<=13	PASS
Band2	10MHz	19150	QPSK	1	0	High	3.25	<=13	PASS
Band2	10MHz	19150	16QAM	1	0	High	4.90	<=13	PASS
Band2	10MHz	19150	QPSK	6	0	High	3.86	<=13	PASS
Band2	10MHz	19150	16QAM	6	0	High	3.86	<=13	PASS
Band2	15MHz	18675	QPSK	1	0	Low	3.91	<=13	PASS
Band2	15MHz	18675	16QAM	1	0	Low	5.39	<=13	PASS
Band2	15MHz	18675	QPSK	6	0	Low	4.32	<=13	PASS
Band2	15MHz	18675	16QAM	6	0	Low	4.32	<=13	PASS
Band2	15MHz	18900	QPSK	1	0	Low	3.80	<=13	PASS
Band2	15MHz	18900	16QAM	1	0	Low	5.36	<=13	PASS
Band2	15MHz	18900	QPSK	6	0	Low	4.26	<=13	PASS
Band2	15MHz	18900	16QAM	6	0	Low	4.26	<=13	PASS
Band2	15MHz	19125	QPSK	1	0	High	3.33	<=13	PASS
Band2	15MHz	19125	16QAM	1	0	High	4.90	<=13	PASS
Band2	15MHz	19125	QPSK	6	0	High	3.88	<=13	PASS
Band2	15MHz	19125	16QAM	6	0	High	3.86	<=13	PASS
Band2	20MHz	18700	QPSK	1	0	Low	3.94	<=13	PASS
Band2	20MHz	18700	16QAM	1	0	Low	5.42	<=13	PASS
Band2	20MHz	18700	QPSK	6	0	Low	4.35	<=13	PASS
Band2	20MHz	18700	16QAM	6	0	Low	4.35	<=13	PASS
Band2	20MHz	18900	QPSK	1	0	Low	4.00	<=13	PASS
Band2	20MHz	18900	16QAM	1	0	Low	5.10	<=13	PASS
Band2	20MHz	18900	QPSK	6	0	Low	4.32	<=13	PASS
Band2	20MHz	18900	16QAM	6	0	Low	4.32	<=13	PASS
Band2	20MHz	19100	QPSK	1	0	High	3.33	<=13	PASS
Band2	20MHz	19100	16QAM	1	0	High	4.90	<=13	PASS
Band2	20MHz	19100	QPSK	6	0	High	3.86	<=13	PASS
Band2	20MHz	19100	16QAM	6	0	High	3.86	<=13	PASS

Test Graphs











