

Appendix-A LTE Cat M1 Band 5

Effective (Isotropic) Radiated Power Output Data for M1

Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NBIndex	Power (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1	0	Low	20.75	19.3	38.45	PASS
Band5	1.4MHz	QPSK	20407	1	5	Low	20.48	19.03	38.45	PASS
Band5	1.4MHz	QPSK	20407	6	0	Low	18.54	17.09	38.45	PASS
Band5	1.4MHz	QPSK	20525	1	0	Low	20.78	19.33	38.45	PASS
Band5	1.4MHz	QPSK	20525	1	5	Low	20.45	19	38.45	PASS
Band5	1.4MHz	QPSK	20525	6	0	Low	18.6	17.15	38.45	PASS
Band5	1.4MHz	QPSK	20643	1	0	High	20.62	19.17	38.45	PASS
Band5	1.4MHz	QPSK	20643	1	5	High	20.59	19.14	38.45	PASS
Band5	1.4MHz	QPSK	20643	6	0	High	18.59	17.14	38.45	PASS
Band5	3MHz	QPSK	20415	1	0	Low	20.74	19.29	38.45	PASS
Band5	3MHz	QPSK	20415	1	5	Low	20.46	19.01	38.45	PASS
Band5	3MHz	QPSK	20415	6	0	Low	18.52	17.07	38.45	PASS
Band5	3MHz	QPSK	20525	1	0	Low	20.68	19.23	38.45	PASS
Band5	3MHz	QPSK	20525	1	5	Low	20.44	18.99	38.45	PASS
Band5	3MHz	QPSK	20525	6	0	Low	18.58	17.13	38.45	PASS
Band5	3MHz	QPSK	20635	1	0	High	20.54	19.09	38.45	PASS
Band5	3MHz	QPSK	20635	1	5	High	20.44	18.99	38.45	PASS
Band5	3MHz	QPSK	20635	6	0	High	18.74	17.29	38.45	PASS
Band5	5MHz	QPSK	20425	1	0	Low	20.65	19.2	38.45	PASS
Band5	5MHz	QPSK	20425	1	5	Low	20.35	18.9	38.45	PASS
Band5	5MHz	QPSK	20425	6	0	Low	19.53	18.08	38.45	PASS
Band5	5MHz	QPSK	20525	1	0	Low	20.68	19.23	38.45	PASS
Band5	5MHz	QPSK	20525	1	5	Low	20.35	18.9	38.45	PASS
Band5	5MHz	QPSK	20525	6	0	Low	19.49	18.04	38.45	PASS
Band5	5MHz	QPSK	20625	1	0	High	20.52	19.07	38.45	PASS
Band5	5MHz	QPSK	20625	1	5	High	20.3	18.85	38.45	PASS
Band5	5MHz	QPSK	20625	6	0	High	19.58	18.13	38.45	PASS
Band5	10MHz	QPSK	20450	1	0	Low	20.6	19.15	38.45	PASS
Band5	10MHz	QPSK	20450	1	5	Low	20.33	18.88	38.45	PASS
Band5	10MHz	QPSK	20450	6	0	Low	19.51	18.06	38.45	PASS
Band5	10MHz	QPSK	20525	1	0	Low	20.64	19.19	38.45	PASS
Band5	10MHz	QPSK	20525	1	5	Low	20.34	18.89	38.45	PASS
Band5	10MHz	QPSK	20525	6	0	Low	19.48	18.03	38.45	PASS
Band5	10MHz	QPSK	20600	1	0	High	20.49	19.04	38.45	PASS
Band5	10MHz	QPSK	20600	1	5	High	20.31	18.86	38.45	PASS
Band5	10MHz	QPSK	20600	6	0	High	19.63	18.18	38.45	PASS
Band5	1.4MHz	16QAM	20407	1	0	Low	19.61	18.16	38.45	PASS

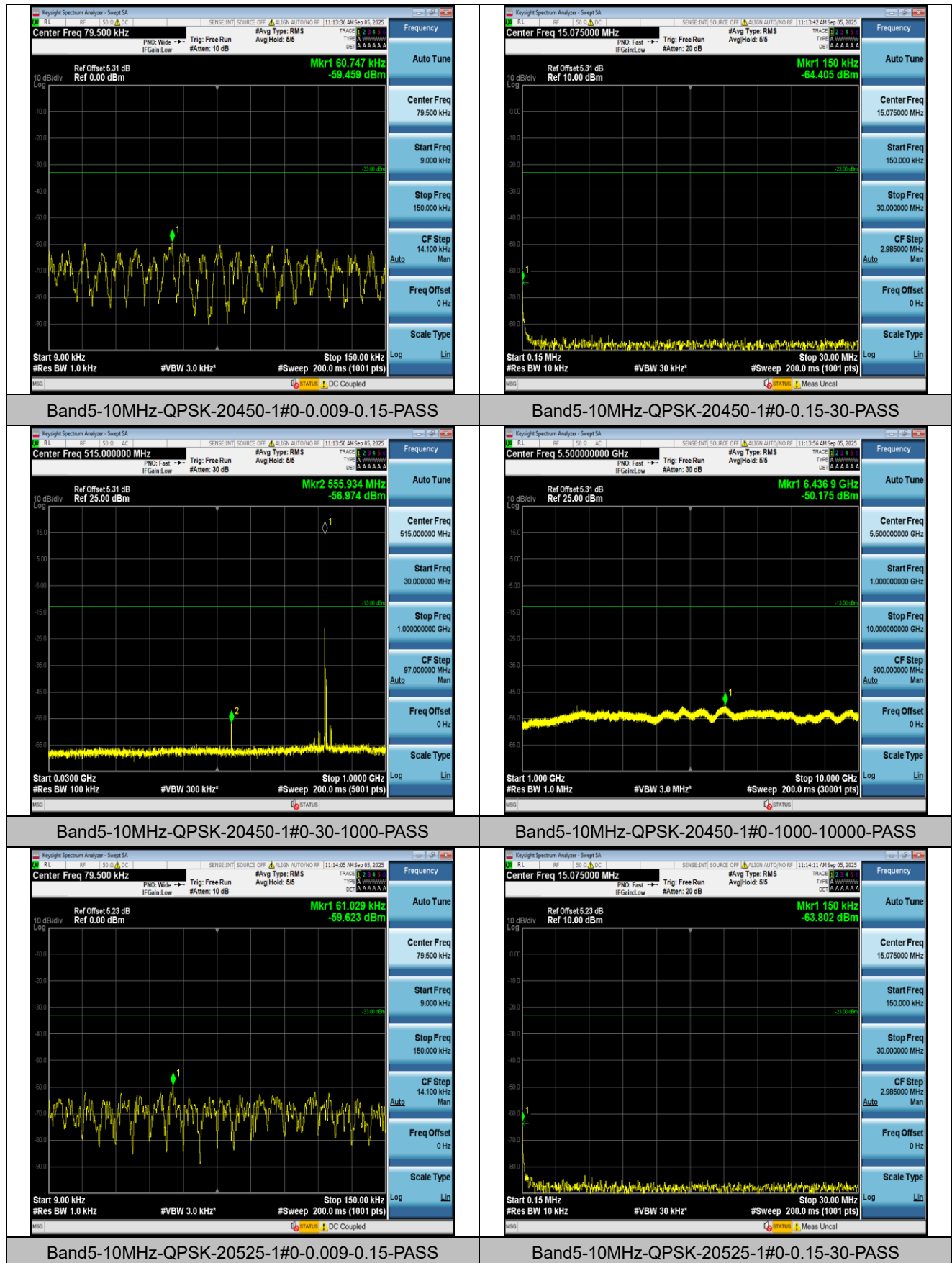
Band5	1.4MHz	16QAM	20407	1	5	Low	19.36	17.91	38.45	PASS
Band5	1.4MHz	16QAM	20407	5	0	Low	18.74	17.29	38.45	PASS
Band5	1.4MHz	16QAM	20525	1	0	Low	19.67	18.22	38.45	PASS
Band5	1.4MHz	16QAM	20525	1	5	Low	19.09	17.64	38.45	PASS
Band5	1.4MHz	16QAM	20525	5	0	Low	18.62	17.17	38.45	PASS
Band5	1.4MHz	16QAM	20643	1	0	High	19.49	18.04	38.45	PASS
Band5	1.4MHz	16QAM	20643	1	5	High	19.24	17.79	38.45	PASS
Band5	1.4MHz	16QAM	20643	5	0	High	18.63	17.18	38.45	PASS
Band5	3MHz	16QAM	20415	1	0	Low	19.67	18.22	38.45	PASS
Band5	3MHz	16QAM	20415	1	5	Low	19.31	17.86	38.45	PASS
Band5	3MHz	16QAM	20415	5	0	Low	18.6	17.15	38.45	PASS
Band5	3MHz	16QAM	20525	1	0	Low	19.71	18.26	38.45	PASS
Band5	3MHz	16QAM	20525	1	5	Low	19.36	17.91	38.45	PASS
Band5	3MHz	16QAM	20525	5	0	Low	18.7	17.25	38.45	PASS
Band5	3MHz	16QAM	20635	1	0	High	19.58	18.13	38.45	PASS
Band5	3MHz	16QAM	20635	1	5	High	19.31	17.86	38.45	PASS
Band5	3MHz	16QAM	20635	5	0	High	18.66	17.21	38.45	PASS
Band5	5MHz	16QAM	20425	1	0	Low	20.56	19.11	38.45	PASS
Band5	5MHz	16QAM	20425	1	5	Low	20.27	18.82	38.45	PASS
Band5	5MHz	16QAM	20425	5	0	Low	19.31	17.86	38.45	PASS
Band5	5MHz	16QAM	20525	1	0	Low	20.83	19.38	38.45	PASS
Band5	5MHz	16QAM	20525	1	5	Low	20.26	18.81	38.45	PASS
Band5	5MHz	16QAM	20525	5	0	Low	19.36	17.91	38.45	PASS
Band5	5MHz	16QAM	20625	1	0	High	20.85	19.4	38.45	PASS
Band5	5MHz	16QAM	20625	1	5	High	20.19	18.74	38.45	PASS
Band5	5MHz	16QAM	20625	5	0	High	19.5	18.05	38.45	PASS
Band5	10MHz	16QAM	20450	1	0	Low	20.81	19.36	38.45	PASS
Band5	10MHz	16QAM	20450	1	5	Low	20.25	18.8	38.45	PASS
Band5	10MHz	16QAM	20450	5	0	Low	20.38	18.93	38.45	PASS
Band5	10MHz	16QAM	20525	1	0	Low	21	19.55	38.45	PASS
Band5	10MHz	16QAM	20525	1	5	Low	20.29	18.84	38.45	PASS
Band5	10MHz	16QAM	20525	5	0	Low	20.52	19.07	38.45	PASS
Band5	10MHz	16QAM	20600	1	0	High	20.8	19.35	38.45	PASS
Band5	10MHz	16QAM	20600	1	5	High	20.4	18.95	38.45	PASS
Band5	10MHz	16QAM	20600	5	0	High	20.47	19.02	38.45	PASS

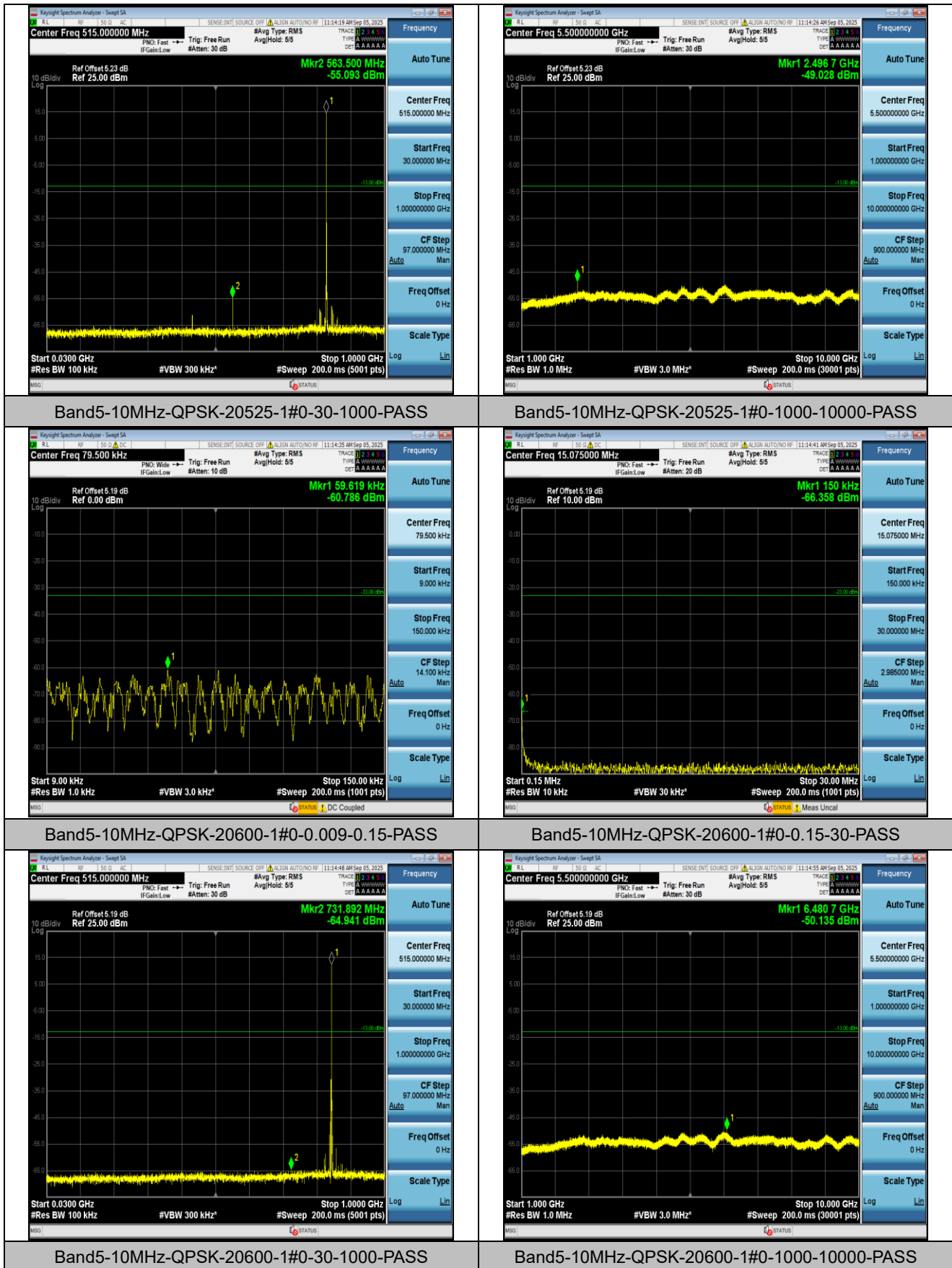
Conducted Spurious Emission for M1

Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Start Freq	Stop Freq	Result (dBm)	Verdict
Band5	10MHz	20450	QPSK	1	0	Low	0.009	0.15	-59.46	PASS
Band5	10MHz	20450	QPSK	1	0	Low	0.15	30	-64.41	PASS
Band5	10MHz	20450	QPSK	1	0	Low	30	1000	-56.97	PASS
Band5	10MHz	20450	QPSK	1	0	Low	1000	10000	-50.18	PASS
Band5	10MHz	20525	QPSK	1	0	Low	0.009	0.15	-59.62	PASS
Band5	10MHz	20525	QPSK	1	0	Low	0.15	30	-63.8	PASS
Band5	10MHz	20525	QPSK	1	0	Low	30	1000	-55.09	PASS
Band5	10MHz	20525	QPSK	1	0	Low	1000	10000	-49.03	PASS
Band5	10MHz	20600	QPSK	1	0	High	0.009	0.15	-60.79	PASS
Band5	10MHz	20600	QPSK	1	0	High	0.15	30	-66.36	PASS
Band5	10MHz	20600	QPSK	1	0	High	30	1000	-64.94	PASS
Band5	10MHz	20600	QPSK	1	0	High	1000	10000	-50.14	PASS

Test Graphs





~The End~