

Appendix-A LTE Cat M1 Band 12

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
Band12	1.4MHz	QPSK	23017	1	0	Low	20.93	19.28	34.77	PASS
Band12	1.4MHz	QPSK	23017	1	5	Low	20.75	19.1	34.77	PASS
Band12	1.4MHz	QPSK	23017	6	0	Low	19.21	17.56	34.77	PASS
Band12	1.4MHz	QPSK	23095	1	0	Low	20.58	18.93	34.77	PASS
Band12	1.4MHz	QPSK	23095	1	5	Low	20.42	18.77	34.77	PASS
Band12	1.4MHz	QPSK	23095	6	0	Low	18.92	17.27	34.77	PASS
Band12	1.4MHz	QPSK	23173	1	0	High	20.94	19.29	34.77	PASS
Band12	1.4MHz	QPSK	23173	1	5	High	20.63	18.98	34.77	PASS
Band12	1.4MHz	QPSK	23173	6	0	High	18.82	17.17	34.77	PASS
Band12	3MHz	QPSK	23025	1	0	Low	21.15	19.5	34.77	PASS
Band12	3MHz	QPSK	23025	1	5	Low	20.92	19.27	34.77	PASS
Band12	3MHz	QPSK	23025	6	0	Low	19.23	17.58	34.77	PASS
Band12	3MHz	QPSK	23095	1	0	Low	21.25	19.6	34.77	PASS
Band12	3MHz	QPSK	23095	1	5	Low	20.6	18.95	34.77	PASS
Band12	3MHz	QPSK	23095	6	0	Low	18.9	17.25	34.77	PASS
Band12	3MHz	QPSK	23165	1	0	High	20.94	19.29	34.77	PASS
Band12	3MHz	QPSK	23165	1	5	High	20.45	18.8	34.77	PASS
Band12	3MHz	QPSK	23165	6	0	High	18.71	17.06	34.77	PASS
Band12	5MHz	QPSK	23035	1	0	Low	21.15	19.5	34.77	PASS
Band12	5MHz	QPSK	23035	1	5	Low	20.89	19.24	34.77	PASS
Band12	5MHz	QPSK	23035	6	0	Low	20.07	18.42	34.77	PASS
Band12	5MHz	QPSK	23095	1	0	Low	21.24	19.59	34.77	PASS
Band12	5MHz	QPSK	23095	1	5	Low	20.6	18.95	34.77	PASS
Band12	5MHz	QPSK	23095	6	0	Low	20.02	18.37	34.77	PASS
Band12	5MHz	QPSK	23155	1	0	High	20.79	19.14	34.77	PASS
Band12	5MHz	QPSK	23155	1	5	High	20.47	18.82	34.77	PASS
Band12	5MHz	QPSK	23155	6	0	High	19.84	18.19	34.77	PASS
Band12	10MHz	QPSK	23060	1	0	Low	21.31	19.66	34.77	PASS
Band12	10MHz	QPSK	23060	1	5	Low	21.01	19.36	34.77	PASS
Band12	10MHz	QPSK	23060	6	0	Low	20.17	18.52	34.77	PASS
Band12	10MHz	QPSK	23095	1	0	Low	21.2	19.55	34.77	PASS
Band12	10MHz	QPSK	23095	1	5	Low	20.78	19.13	34.77	PASS
Band12	10MHz	QPSK	23095	6	0	Low	20.02	18.37	34.77	PASS
Band12	10MHz	QPSK	23130	1	0	High	20.57	18.92	34.77	PASS
Band12	10MHz	QPSK	23130	1	5	High	20.36	18.71	34.77	PASS
Band12	10MHz	QPSK	23130	6	0	High	19.94	18.29	34.77	PASS
Band12	1.4MHz	16QAM	23017	1	0	Low	20.66	19.01	34.77	PASS

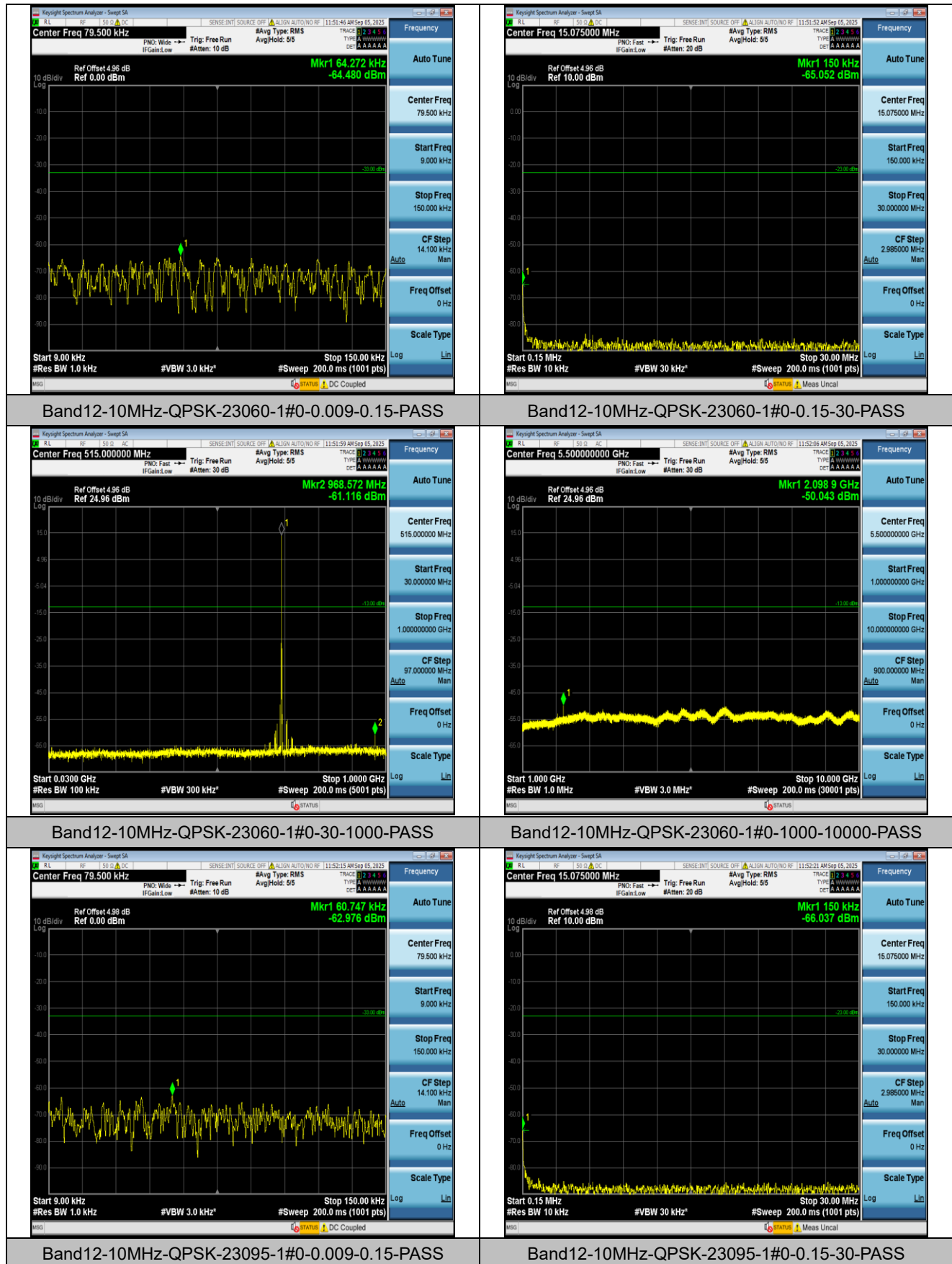
Band12	1.4MHz	16QAM	23017	1	5	Low	20.44	18.79	34.77	PASS
Band12	1.4MHz	16QAM	23017	5	0	Low	19.77	18.12	34.77	PASS
Band12	1.4MHz	16QAM	23095	1	0	Low	20.43	18.78	34.77	PASS
Band12	1.4MHz	16QAM	23095	1	5	Low	20.21	18.56	34.77	PASS
Band12	1.4MHz	16QAM	23095	5	0	Low	19.61	17.96	34.77	PASS
Band12	1.4MHz	16QAM	23173	1	0	High	20.05	18.4	34.77	PASS
Band12	1.4MHz	16QAM	23173	1	5	High	19.9	18.25	34.77	PASS
Band12	1.4MHz	16QAM	23173	5	0	High	19.09	17.44	34.77	PASS
Band12	3MHz	16QAM	23025	1	0	Low	20.53	18.88	34.77	PASS
Band12	3MHz	16QAM	23025	1	5	Low	20.47	18.82	34.77	PASS
Band12	3MHz	16QAM	23025	5	0	Low	19.83	18.18	34.77	PASS
Band12	3MHz	16QAM	23095	1	0	Low	20.24	18.59	34.77	PASS
Band12	3MHz	16QAM	23095	1	5	Low	20.15	18.5	34.77	PASS
Band12	3MHz	16QAM	23095	5	0	Low	19.59	17.94	34.77	PASS
Band12	3MHz	16QAM	23165	1	0	High	20.03	18.38	34.77	PASS
Band12	3MHz	16QAM	23165	1	5	High	19.65	18	34.77	PASS
Band12	3MHz	16QAM	23165	5	0	High	19.15	17.5	34.77	PASS
Band12	5MHz	16QAM	23035	1	0	Low	20.9	19.25	34.77	PASS
Band12	5MHz	16QAM	23035	1	5	Low	20.58	18.93	34.77	PASS
Band12	5MHz	16QAM	23035	5	0	Low	19.74	18.09	34.77	PASS
Band12	5MHz	16QAM	23095	1	0	Low	21.25	19.6	34.77	PASS
Band12	5MHz	16QAM	23095	1	5	Low	20.2	18.55	34.77	PASS
Band12	5MHz	16QAM	23095	5	0	Low	19.66	18.01	34.77	PASS
Band12	5MHz	16QAM	23155	1	0	High	21.07	19.42	34.77	PASS
Band12	5MHz	16QAM	23155	1	5	High	20.25	18.6	34.77	PASS
Band12	5MHz	16QAM	23155	5	0	High	19.55	17.9	34.77	PASS
Band12	10MHz	16QAM	23060	1	0	Low	20.74	19.09	34.77	PASS
Band12	10MHz	16QAM	23060	1	5	Low	20.37	18.72	34.77	PASS
Band12	10MHz	16QAM	23060	5	0	Low	20.56	18.91	34.77	PASS
Band12	10MHz	16QAM	23095	1	0	Low	21.27	19.62	34.77	PASS
Band12	10MHz	16QAM	23095	1	5	Low	20.54	18.89	34.77	PASS
Band12	10MHz	16QAM	23095	5	0	Low	20.6	18.95	34.77	PASS
Band12	10MHz	16QAM	23130	1	0	High	20.79	19.14	34.77	PASS
Band12	10MHz	16QAM	23130	1	5	High	20.19	18.54	34.77	PASS
Band12	10MHz	16QAM	23130	5	0	High	20.56	18.91	34.77	PASS

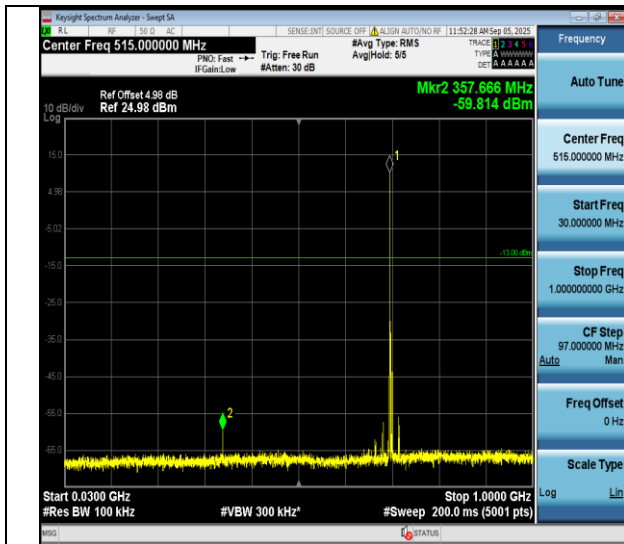
Conducted Spurious Emission for M1

Test Result

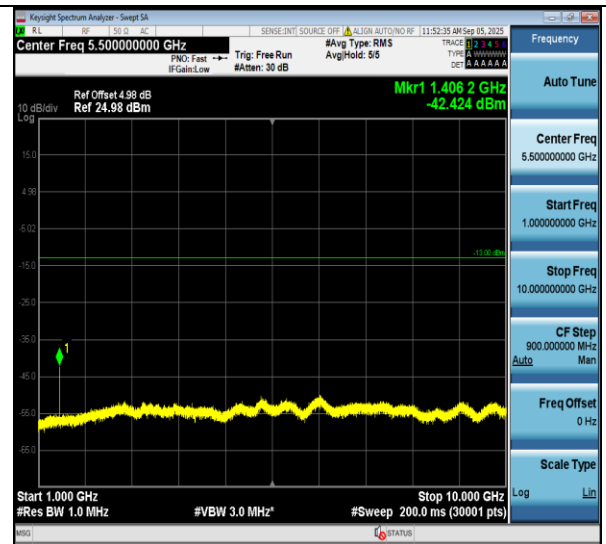
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Start Freq	Stop Freq	Result (dBm)	Verdict
Band12	10MHz	23060	QPSK	1	0	Low	0.009	0.15	-64.48	PASS
Band12	10MHz	23060	QPSK	1	0	Low	0.15	30	-65.05	PASS
Band12	10MHz	23060	QPSK	1	0	Low	30	1000	-61.12	PASS
Band12	10MHz	23060	QPSK	1	0	Low	1000	10000	-50.04	PASS
Band12	10MHz	23095	QPSK	1	0	Low	0.009	0.15	-62.98	PASS
Band12	10MHz	23095	QPSK	1	0	Low	0.15	30	-66.04	PASS
Band12	10MHz	23095	QPSK	1	0	Low	30	1000	-59.81	PASS
Band12	10MHz	23095	QPSK	1	0	Low	1000	10000	-42.42	PASS
Band12	10MHz	23130	QPSK	1	0	High	0.009	0.15	-64.04	PASS
Band12	10MHz	23130	QPSK	1	0	High	0.15	30	-63.89	PASS
Band12	10MHz	23130	QPSK	1	0	High	30	1000	-64.89	PASS
Band12	10MHz	23130	QPSK	1	0	High	1000	10000	-42.47	PASS

Test Graphs

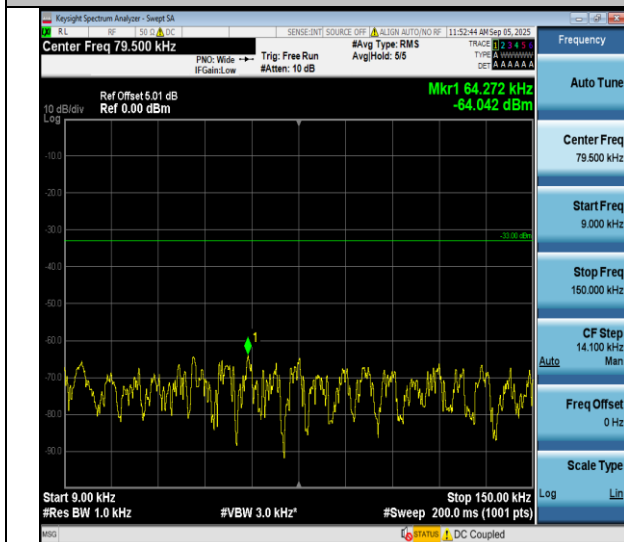




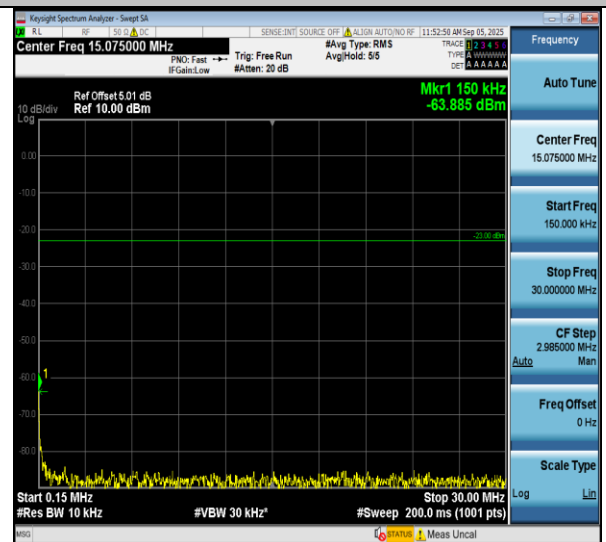
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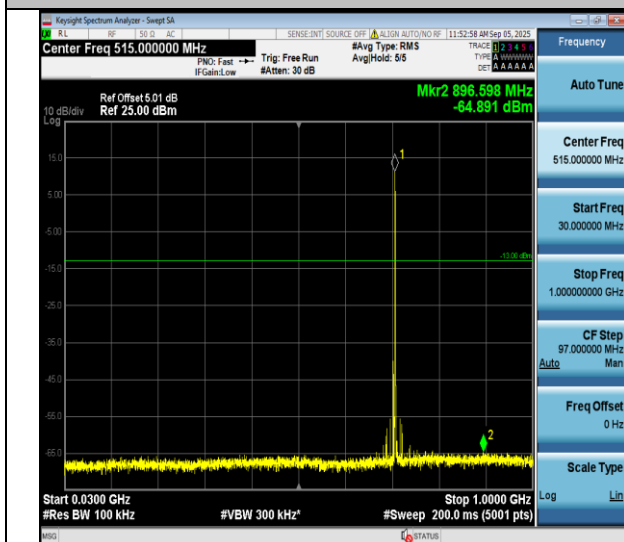
Band12-10MHz-QPSK-23095-1#0-1000-10000-PASS



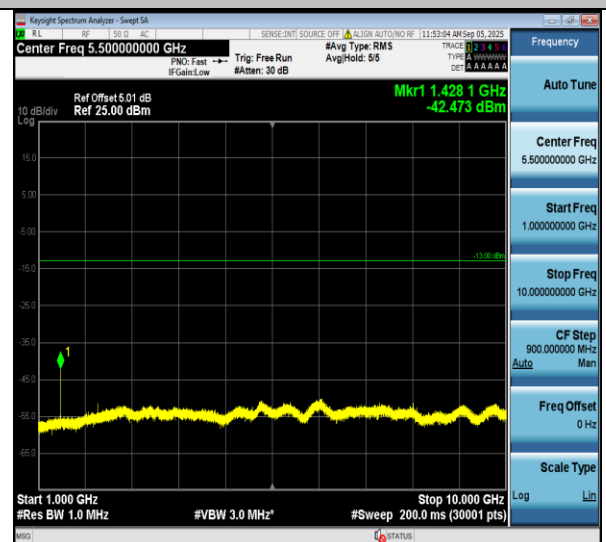
Band12-10MHz-QPSK-23130-1#0-0.009-0.15-PASS



Band12-10MHz-QPSK-23130-1#0-0.15-30-PASS



Band12-10MHz-QPSK-23130-1#0-30-1000-PASS



Band12-10MHz-QPSK-23130-1#0-1000-10000-PASS

~The End~