

Appendix-A LTE Cat M1 Band 2

Effective (Isotropic) Radiated Power Output Data for M1

Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NBIndex	Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1	0	Low	20.88	23.88	33.00	PASS
Band2	1.4MHz	QPSK	18607	1	5	Low	20.7	23.7	33.00	PASS
Band2	1.4MHz	QPSK	18607	6	0	Low	18.98	21.98	33.00	PASS
Band2	1.4MHz	QPSK	18900	1	0	Low	20.96	23.96	33.00	PASS
Band2	1.4MHz	QPSK	18900	1	5	Low	20.71	23.71	33.00	PASS
Band2	1.4MHz	QPSK	18900	6	0	Low	18.71	21.71	33.00	PASS
Band2	1.4MHz	QPSK	19193	1	0	High	21.2	24.2	33.00	PASS
Band2	1.4MHz	QPSK	19193	1	5	High	20.96	23.96	33.00	PASS
Band2	1.4MHz	QPSK	19193	6	0	High	18.94	21.94	33.00	PASS
Band2	3MHz	QPSK	18615	1	0	Low	20.81	23.81	33.00	PASS
Band2	3MHz	QPSK	18615	1	5	Low	20.67	23.67	33.00	PASS
Band2	3MHz	QPSK	18615	6	0	Low	18.96	21.96	33.00	PASS
Band2	3MHz	QPSK	18900	1	0	Low	20.81	23.81	33.00	PASS
Band2	3MHz	QPSK	18900	1	5	Low	20.64	23.64	33.00	PASS
Band2	3MHz	QPSK	18900	6	0	Low	18.86	21.86	33.00	PASS
Band2	3MHz	QPSK	19185	1	0	High	21.23	24.23	33.00	PASS
Band2	3MHz	QPSK	19185	1	5	High	20.98	23.98	33.00	PASS
Band2	3MHz	QPSK	19185	6	0	High	19.09	22.09	33.00	PASS
Band2	5MHz	QPSK	18625	1	0	Low	20.82	23.82	33.00	PASS
Band2	5MHz	QPSK	18625	1	5	Low	20.61	23.61	33.00	PASS
Band2	5MHz	QPSK	18625	6	0	Low	19.82	22.82	33.00	PASS
Band2	5MHz	QPSK	18900	1	0	Low	20.77	23.77	33.00	PASS
Band2	5MHz	QPSK	18900	1	5	Low	20.54	23.54	33.00	PASS
Band2	5MHz	QPSK	18900	6	0	Low	19.75	22.75	33.00	PASS
Band2	5MHz	QPSK	19175	1	0	High	21.3	24.3	33.00	PASS
Band2	5MHz	QPSK	19175	1	5	High	21	24	33.00	PASS
Band2	5MHz	QPSK	19175	6	0	High	20.01	23.01	33.00	PASS
Band2	10MHz	QPSK	18650	1	0	Low	21.13	24.13	33.00	PASS
Band2	10MHz	QPSK	18650	1	5	Low	20.7	23.7	33.00	PASS
Band2	10MHz	QPSK	18650	6	0	Low	19.83	22.83	33.00	PASS
Band2	10MHz	QPSK	18900	1	0	Low	20.73	23.73	33.00	PASS
Band2	10MHz	QPSK	18900	1	5	Low	20.6	23.6	33.00	PASS
Band2	10MHz	QPSK	18900	6	0	Low	19.72	22.72	33.00	PASS
Band2	10MHz	QPSK	19150	1	0	High	21.35	24.35	33.00	PASS
Band2	10MHz	QPSK	19150	1	5	High	20.88	23.88	33.00	PASS
Band2	10MHz	QPSK	19150	6	0	High	20	23	33.00	PASS
Band2	15MHz	QPSK	18675	1	0	Low	20.79	23.79	33.00	PASS

Band2	15MHz	QPSK	18675	1	5	Low	20.64	23.64	33.00	PASS
Band2	15MHz	QPSK	18675	6	0	Low	20.79	23.79	33.00	PASS
Band2	15MHz	QPSK	18900	1	0	Low	20.74	23.74	33.00	PASS
Band2	15MHz	QPSK	18900	1	5	Low	20.5	23.5	33.00	PASS
Band2	15MHz	QPSK	18900	6	0	Low	20.72	23.72	33.00	PASS
Band2	15MHz	QPSK	19125	1	0	High	21.31	24.31	33.00	PASS
Band2	15MHz	QPSK	19125	1	5	High	20.94	23.94	33.00	PASS
Band2	15MHz	QPSK	19125	6	0	High	20.98	23.98	33.00	PASS
Band2	20MHz	QPSK	18700	1	0	Low	20.76	23.76	33.00	PASS
Band2	20MHz	QPSK	18700	1	5	Low	20.69	23.69	33.00	PASS
Band2	20MHz	QPSK	18700	6	0	Low	20.82	23.82	33.00	PASS
Band2	20MHz	QPSK	18900	1	0	Low	20.81	23.81	33.00	PASS
Band2	20MHz	QPSK	18900	1	5	Low	20.5	23.5	33.00	PASS
Band2	20MHz	QPSK	18900	6	0	Low	20.74	23.74	33.00	PASS
Band2	20MHz	QPSK	19100	1	0	High	21.37	24.37	33.00	PASS
Band2	20MHz	QPSK	19100	1	5	High	21.14	24.14	33.00	PASS
Band2	20MHz	QPSK	19100	6	0	High	21.36	24.36	33.00	PASS
Band2	1.4MHz	16QAM	18607	1	0	Low	20.03	23.03	33.00	PASS
Band2	1.4MHz	16QAM	18607	1	5	Low	19.85	22.85	33.00	PASS
Band2	1.4MHz	16QAM	18607	5	0	Low	19.04	22.04	33.00	PASS
Band2	1.4MHz	16QAM	18900	1	0	Low	19.96	22.96	33.00	PASS
Band2	1.4MHz	16QAM	18900	1	5	Low	19.69	22.69	33.00	PASS
Band2	1.4MHz	16QAM	18900	5	0	Low	18.91	21.91	33.00	PASS
Band2	1.4MHz	16QAM	19193	1	0	High	20.23	23.23	33.00	PASS
Band2	1.4MHz	16QAM	19193	1	5	High	20.54	23.54	33.00	PASS
Band2	1.4MHz	16QAM	19193	5	0	High	19.7	22.7	33.00	PASS
Band2	3MHz	16QAM	18615	1	0	Low	20.62	23.62	33.00	PASS
Band2	3MHz	16QAM	18615	1	5	Low	19.89	22.89	33.00	PASS
Band2	3MHz	16QAM	18615	5	0	Low	19.15	22.15	33.00	PASS
Band2	3MHz	16QAM	18900	1	0	Low	19.78	22.78	33.00	PASS
Band2	3MHz	16QAM	18900	1	5	Low	19.82	22.82	33.00	PASS
Band2	3MHz	16QAM	18900	5	0	Low	19.05	22.05	33.00	PASS
Band2	3MHz	16QAM	19185	1	0	High	20.22	23.22	33.00	PASS
Band2	3MHz	16QAM	19185	1	5	High	20.61	23.61	33.00	PASS
Band2	3MHz	16QAM	19185	5	0	High	19.77	22.77	33.00	PASS
Band2	5MHz	16QAM	18625	1	0	Low	20.7	23.7	33.00	PASS
Band2	5MHz	16QAM	18625	1	5	Low	20.45	23.45	33.00	PASS
Band2	5MHz	16QAM	18625	5	0	Low	19.5	22.5	33.00	PASS
Band2	5MHz	16QAM	18900	1	0	Low	21.07	24.07	33.00	PASS
Band2	5MHz	16QAM	18900	1	5	Low	20.24	23.24	33.00	PASS
Band2	5MHz	16QAM	18900	5	0	Low	19.38	22.38	33.00	PASS
Band2	5MHz	16QAM	19175	1	0	High	20.85	23.85	33.00	PASS
Band2	5MHz	16QAM	19175	1	5	High	20.62	23.62	33.00	PASS
Band2	5MHz	16QAM	19175	5	0	High	19.64	22.64	33.00	PASS
Band2	10MHz	16QAM	18650	1	0	Low	20.59	23.59	33.00	PASS

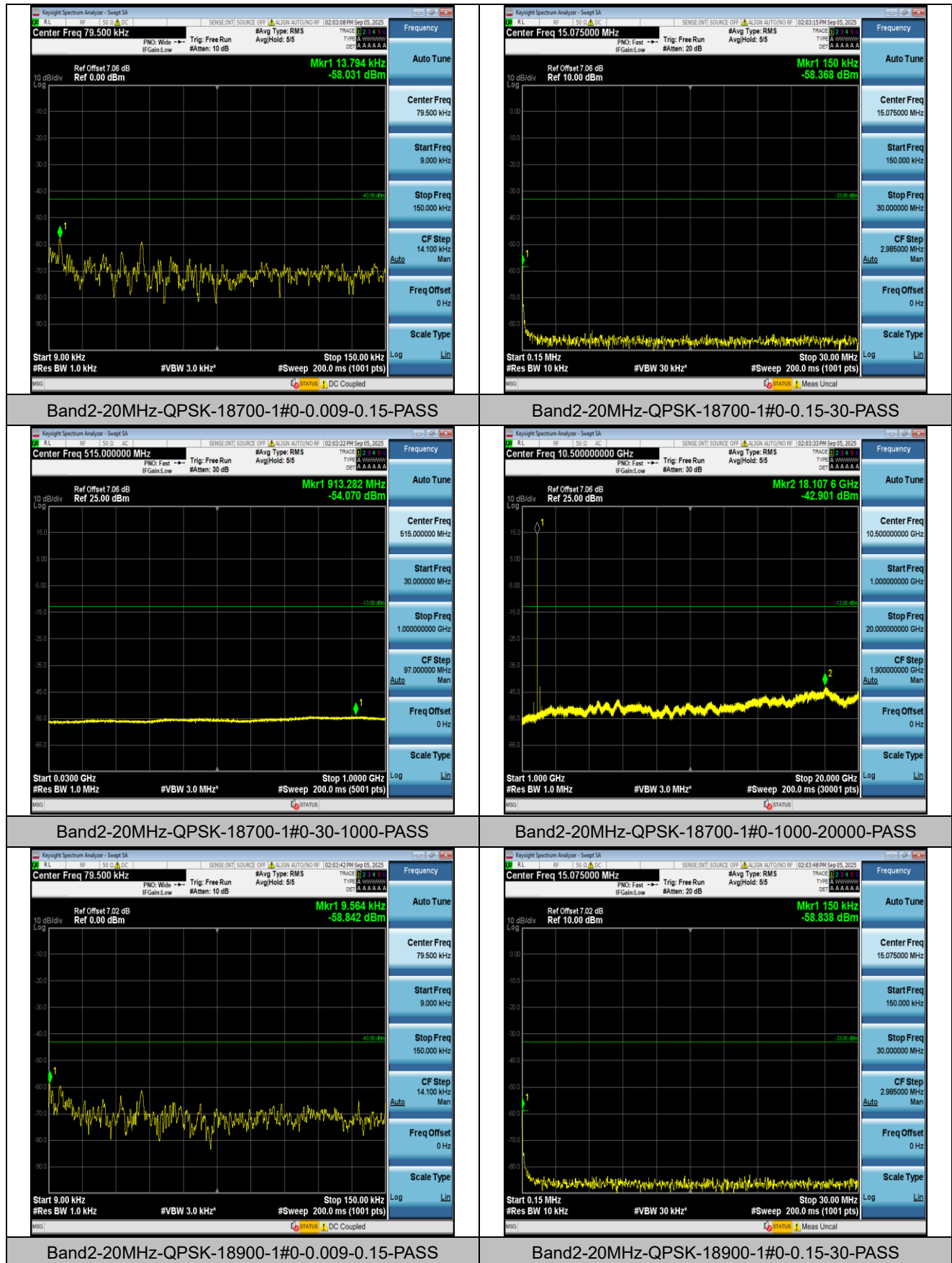
Band2	10MHz	16QAM	18650	1	5	Low	20.36	23.36	33.00	PASS
Band2	10MHz	16QAM	18650	5	0	Low	20.44	23.44	33.00	PASS
Band2	10MHz	16QAM	18900	1	0	Low	21.06	24.06	33.00	PASS
Band2	10MHz	16QAM	18900	1	5	Low	20.27	23.27	33.00	PASS
Band2	10MHz	16QAM	18900	5	0	Low	20.26	23.26	33.00	PASS
Band2	10MHz	16QAM	19150	1	0	High	21.39	24.39	33.00	PASS
Band2	10MHz	16QAM	19150	1	5	High	20.55	23.55	33.00	PASS
Band2	10MHz	16QAM	19150	5	0	High	20.69	23.69	33.00	PASS
Band2	15MHz	16QAM	18675	1	0	Low	20.33	23.33	33.00	PASS
Band2	15MHz	16QAM	18675	1	5	Low	20.18	23.18	33.00	PASS
Band2	15MHz	16QAM	18675	5	0	Low	20.31	23.31	33.00	PASS
Band2	15MHz	16QAM	18900	1	0	Low	20.9	23.9	33.00	PASS
Band2	15MHz	16QAM	18900	1	5	Low	20.39	23.39	33.00	PASS
Band2	15MHz	16QAM	18900	5	0	Low	20.59	23.59	33.00	PASS
Band2	15MHz	16QAM	19125	1	0	High	21.35	24.35	33.00	PASS
Band2	15MHz	16QAM	19125	1	5	High	20.45	23.45	33.00	PASS
Band2	15MHz	16QAM	19125	5	0	High	20.59	23.59	33.00	PASS
Band2	20MHz	16QAM	18700	1	0	Low	20.83	23.83	33.00	PASS
Band2	20MHz	16QAM	18700	1	5	Low	20.31	23.31	33.00	PASS
Band2	20MHz	16QAM	18700	5	0	Low	20.44	23.44	33.00	PASS
Band2	20MHz	16QAM	18900	1	0	Low	20.97	23.97	33.00	PASS
Band2	20MHz	16QAM	18900	1	5	Low	20.29	23.29	33.00	PASS
Band2	20MHz	16QAM	18900	5	0	Low	20.36	23.36	33.00	PASS
Band2	20MHz	16QAM	19100	1	0	High	21.12	24.12	33.00	PASS
Band2	20MHz	16QAM	19100	1	5	High	20.55	23.55	33.00	PASS
Band2	20MHz	16QAM	19100	5	0	High	20.62	23.62	33.00	PASS

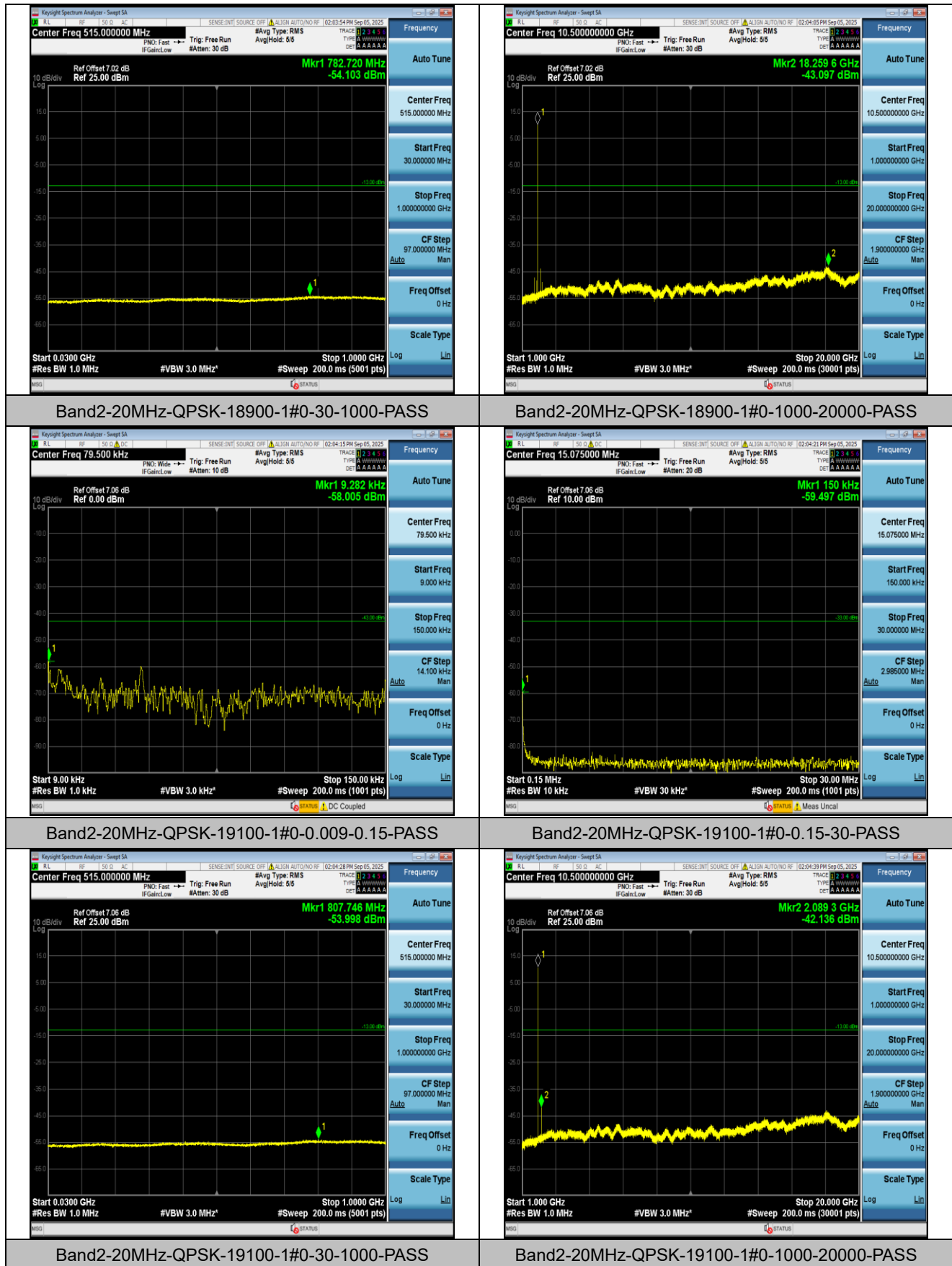
Conducted Spurious Emission for M1

Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Start Freq	Stop Freq	Result (dBm)	Verdict
Band2	20MHz	18700	QPSK	1	0	Low	0.009	0.15	-58.03	PASS
Band2	20MHz	18700	QPSK	1	0	Low	0.15	30	-58.37	PASS
Band2	20MHz	18700	QPSK	1	0	Low	30	1000	-54.07	PASS
Band2	20MHz	18700	QPSK	1	0	Low	1000	20000	-42.9	PASS
Band2	20MHz	18900	QPSK	1	0	Low	0.009	0.15	-58.84	PASS
Band2	20MHz	18900	QPSK	1	0	Low	0.15	30	-58.84	PASS
Band2	20MHz	18900	QPSK	1	0	Low	30	1000	-54.1	PASS
Band2	20MHz	18900	QPSK	1	0	Low	1000	20000	-43.1	PASS
Band2	20MHz	19100	QPSK	1	0	High	0.009	0.15	-58.01	PASS
Band2	20MHz	19100	QPSK	1	0	High	0.15	30	-59.5	PASS
Band2	20MHz	19100	QPSK	1	0	High	30	1000	-54	PASS
Band2	20MHz	19100	QPSK	1	0	High	1000	20000	-42.14	PASS

Test Graphs





~The End~