

Appendix-A LTE Cat M1 Band 4

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
Band4	1.4MHz	QPSK	19957	1	0	Low	21.25	24.25	30.00	PASS
Band4	1.4MHz	QPSK	19957	1	5	Low	21.12	24.12	30.00	PASS
Band4	1.4MHz	QPSK	19957	6	0	Low	19.29	22.29	30.00	PASS
Band4	1.4MHz	QPSK	20175	1	0	Low	21.34	24.34	30.00	PASS
Band4	1.4MHz	QPSK	20175	1	5	Low	21.22	24.22	30.00	PASS
Band4	1.4MHz	QPSK	20175	6	0	Low	19.3	22.3	30.00	PASS
Band4	1.4MHz	QPSK	20393	1	0	High	21.48	24.48	30.00	PASS
Band4	1.4MHz	QPSK	20393	1	5	High	21.35	24.35	30.00	PASS
Band4	1.4MHz	QPSK	20393	6	0	High	19.49	22.49	30.00	PASS
Band4	3MHz	QPSK	19965	1	0	Low	21.12	24.12	30.00	PASS
Band4	3MHz	QPSK	19965	1	5	Low	21.11	24.11	30.00	PASS
Band4	3MHz	QPSK	19965	6	0	Low	19.28	22.28	30.00	PASS
Band4	3MHz	QPSK	20175	1	0	Low	21.41	24.41	30.00	PASS
Band4	3MHz	QPSK	20175	1	5	Low	21.25	24.25	30.00	PASS
Band4	3MHz	QPSK	20175	6	0	Low	19.38	22.38	30.00	PASS
Band4	3MHz	QPSK	20385	1	0	High	21.84	24.84	30.00	PASS
Band4	3MHz	QPSK	20385	1	5	High	21.43	24.43	30.00	PASS
Band4	3MHz	QPSK	20385	6	0	High	19.45	22.45	30.00	PASS
Band4	5MHz	QPSK	19975	1	0	Low	21.23	24.23	30.00	PASS
Band4	5MHz	QPSK	19975	1	5	Low	21.15	24.15	30.00	PASS
Band4	5MHz	QPSK	19975	6	0	Low	20.4	23.4	30.00	PASS
Band4	5MHz	QPSK	20175	1	0	Low	21.21	24.21	30.00	PASS
Band4	5MHz	QPSK	20175	1	5	Low	21.06	24.06	30.00	PASS
Band4	5MHz	QPSK	20175	6	0	Low	20.32	23.32	30.00	PASS
Band4	5MHz	QPSK	20375	1	0	High	21.28	24.28	30.00	PASS
Band4	5MHz	QPSK	20375	1	5	High	21.17	24.17	30.00	PASS
Band4	5MHz	QPSK	20375	6	0	High	20.43	23.43	30.00	PASS
Band4	10MHz	QPSK	20000	1	0	Low	21.18	24.18	30.00	PASS
Band4	10MHz	QPSK	20000	1	5	Low	21.11	24.11	30.00	PASS
Band4	10MHz	QPSK	20000	6	0	Low	20.36	23.36	30.00	PASS
Band4	10MHz	QPSK	20175	1	0	Low	21.11	24.11	30.00	PASS
Band4	10MHz	QPSK	20175	1	5	Low	21.11	24.11	30.00	PASS
Band4	10MHz	QPSK	20175	6	0	Low	20.25	23.25	30.00	PASS
Band4	10MHz	QPSK	20350	1	0	High	21.29	24.29	30.00	PASS
Band4	10MHz	QPSK	20350	1	5	High	21.26	24.26	30.00	PASS
Band4	10MHz	QPSK	20350	6	0	High	20.42	23.42	30.00	PASS
Band4	15MHz	QPSK	20025	1	0	Low	21.21	24.21	30.00	PASS

Band4	15MHz	QPSK	20025	1	5	Low	21.07	24.07	30.00	PASS
Band4	15MHz	QPSK	20025	6	0	Low	21.38	24.38	30.00	PASS
Band4	15MHz	QPSK	20175	1	0	Low	21.22	24.22	30.00	PASS
Band4	15MHz	QPSK	20175	1	5	Low	21.28	24.28	30.00	PASS
Band4	15MHz	QPSK	20175	6	0	Low	21.2	24.2	30.00	PASS
Band4	15MHz	QPSK	20325	1	0	High	21.51	24.51	30.00	PASS
Band4	15MHz	QPSK	20325	1	5	High	21.28	24.28	30.00	PASS
Band4	15MHz	QPSK	20325	6	0	High	21.43	24.43	30.00	PASS
Band4	20MHz	QPSK	20050	1	0	Low	21.45	24.45	30.00	PASS
Band4	20MHz	QPSK	20050	1	5	Low	21.27	24.27	30.00	PASS
Band4	20MHz	QPSK	20050	6	0	Low	21.4	24.4	30.00	PASS
Band4	20MHz	QPSK	20175	1	0	Low	21.35	24.35	30.00	PASS
Band4	20MHz	QPSK	20175	1	5	Low	21.13	24.13	30.00	PASS
Band4	20MHz	QPSK	20175	6	0	Low	21.27	24.27	30.00	PASS
Band4	20MHz	QPSK	20300	6	0	High	21.43	24.43	30.00	PASS
Band4	1.4MHz	16QAM	19957	1	0	Low	21	24	30.00	PASS
Band4	1.4MHz	16QAM	19957	1	5	Low	21.19	24.19	30.00	PASS
Band4	1.4MHz	16QAM	19957	5	0	Low	20.19	23.19	30.00	PASS
Band4	1.4MHz	16QAM	20175	1	0	Low	20.52	23.52	30.00	PASS
Band4	1.4MHz	16QAM	20175	1	5	Low	20.58	23.58	30.00	PASS
Band4	1.4MHz	16QAM	20175	5	0	Low	19.69	22.69	30.00	PASS
Band4	1.4MHz	16QAM	20393	1	0	High	20.9	23.9	30.00	PASS
Band4	1.4MHz	16QAM	20393	1	5	High	21.23	24.23	30.00	PASS
Band4	1.4MHz	16QAM	20393	5	0	High	20.26	23.26	30.00	PASS
Band4	3MHz	16QAM	19965	1	0	Low	19.74	22.74	30.00	PASS
Band4	3MHz	16QAM	19965	1	5	Low	20.78	23.78	30.00	PASS
Band4	3MHz	16QAM	19965	5	0	Low	20.17	23.17	30.00	PASS
Band4	3MHz	16QAM	20175	1	0	Low	20.38	23.38	30.00	PASS
Band4	3MHz	16QAM	20175	1	5	Low	20.62	23.62	30.00	PASS
Band4	3MHz	16QAM	20175	5	0	Low	19.79	22.79	30.00	PASS
Band4	3MHz	16QAM	20385	1	0	High	20.62	23.62	30.00	PASS
Band4	3MHz	16QAM	20385	1	5	High	20.73	23.73	30.00	PASS
Band4	3MHz	16QAM	20385	5	0	High	20.27	23.27	30.00	PASS
Band4	5MHz	16QAM	19975	1	0	Low	21.68	24.68	30.00	PASS
Band4	5MHz	16QAM	19975	1	5	Low	21.08	24.08	30.00	PASS
Band4	5MHz	16QAM	19975	5	0	Low	20.03	23.03	30.00	PASS
Band4	5MHz	16QAM	20175	1	0	Low	21.65	24.65	30.00	PASS
Band4	5MHz	16QAM	20175	1	5	Low	21.15	24.15	30.00	PASS
Band4	5MHz	16QAM	20175	5	0	Low	20.09	23.09	30.00	PASS
Band4	5MHz	16QAM	20375	1	0	High	21.68	24.68	30.00	PASS
Band4	5MHz	16QAM	20375	1	5	High	21.13	24.13	30.00	PASS
Band4	5MHz	16QAM	20375	5	0	High	20.19	23.19	30.00	PASS
Band4	10MHz	16QAM	20000	1	0	Low	21.23	24.23	30.00	PASS
Band4	10MHz	16QAM	20000	1	5	Low	21.03	24.03	30.00	PASS
Band4	10MHz	16QAM	20000	5	0	Low	21.08	24.08	30.00	PASS

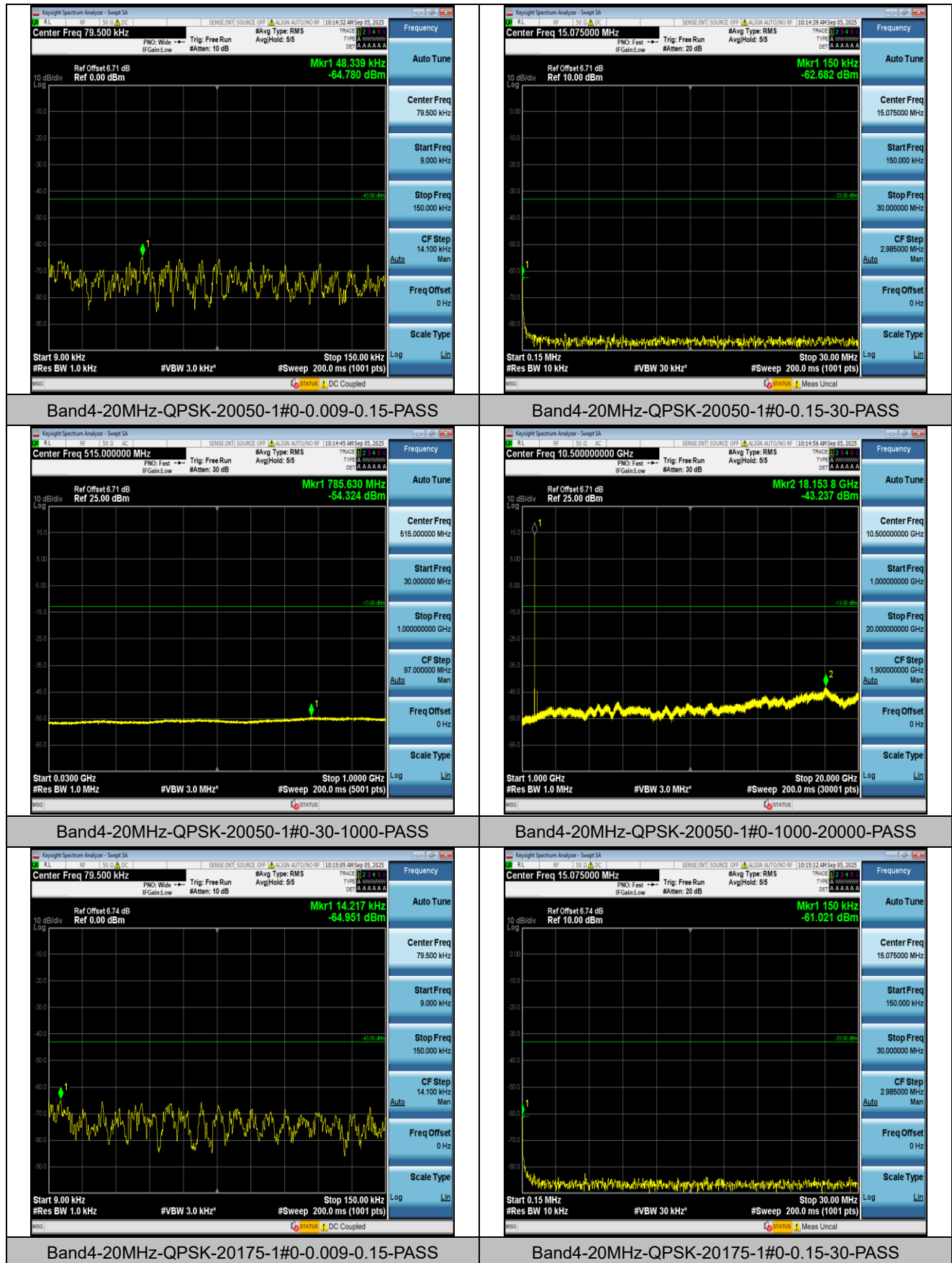
Band4	10MHz	16QAM	20175	1	0	Low	21.52	24.52	30.00	PASS
Band4	10MHz	16QAM	20175	1	5	Low	21.07	24.07	30.00	PASS
Band4	10MHz	16QAM	20175	5	0	Low	21.11	24.11	30.00	PASS
Band4	10MHz	16QAM	20350	1	0	High	21.66	24.66	30.00	PASS
Band4	10MHz	16QAM	20350	1	5	High	21.15	24.15	30.00	PASS
Band4	10MHz	16QAM	20350	5	0	High	21.43	24.43	30.00	PASS
Band4	15MHz	16QAM	20025	1	0	Low	21.18	24.18	30.00	PASS
Band4	15MHz	16QAM	20025	1	5	Low	20.83	23.83	30.00	PASS
Band4	15MHz	16QAM	20025	5	0	Low	21.01	24.01	30.00	PASS
Band4	15MHz	16QAM	20175	1	0	Low	21.45	24.45	30.00	PASS
Band4	15MHz	16QAM	20175	1	5	Low	21.19	24.19	30.00	PASS
Band4	15MHz	16QAM	20175	5	0	Low	20.94	23.94	30.00	PASS
Band4	15MHz	16QAM	20325	1	0	High	21.64	24.64	30.00	PASS
Band4	15MHz	16QAM	20325	1	5	High	21.02	24.02	30.00	PASS
Band4	15MHz	16QAM	20325	5	0	High	21.32	24.32	30.00	PASS
Band4	20MHz	16QAM	20050	1	0	Low	21.22	24.22	30.00	PASS
Band4	20MHz	16QAM	20050	1	5	Low	20.96	23.96	30.00	PASS
Band4	20MHz	16QAM	20050	5	0	Low	20.99	23.99	30.00	PASS
Band4	20MHz	16QAM	20175	1	0	Low	21.43	24.43	30.00	PASS
Band4	20MHz	16QAM	20175	1	5	Low	20.91	23.91	30.00	PASS
Band4	20MHz	16QAM	20175	5	0	Low	20.96	23.96	30.00	PASS
Band4	20MHz	16QAM	20300	1	0	High	21.59	24.59	30.00	PASS
Band4	20MHz	16QAM	20300	1	5	High	21.07	24.07	30.00	PASS
Band4	20MHz	16QAM	20300	5	0	High	21.35	24.35	30.00	PASS

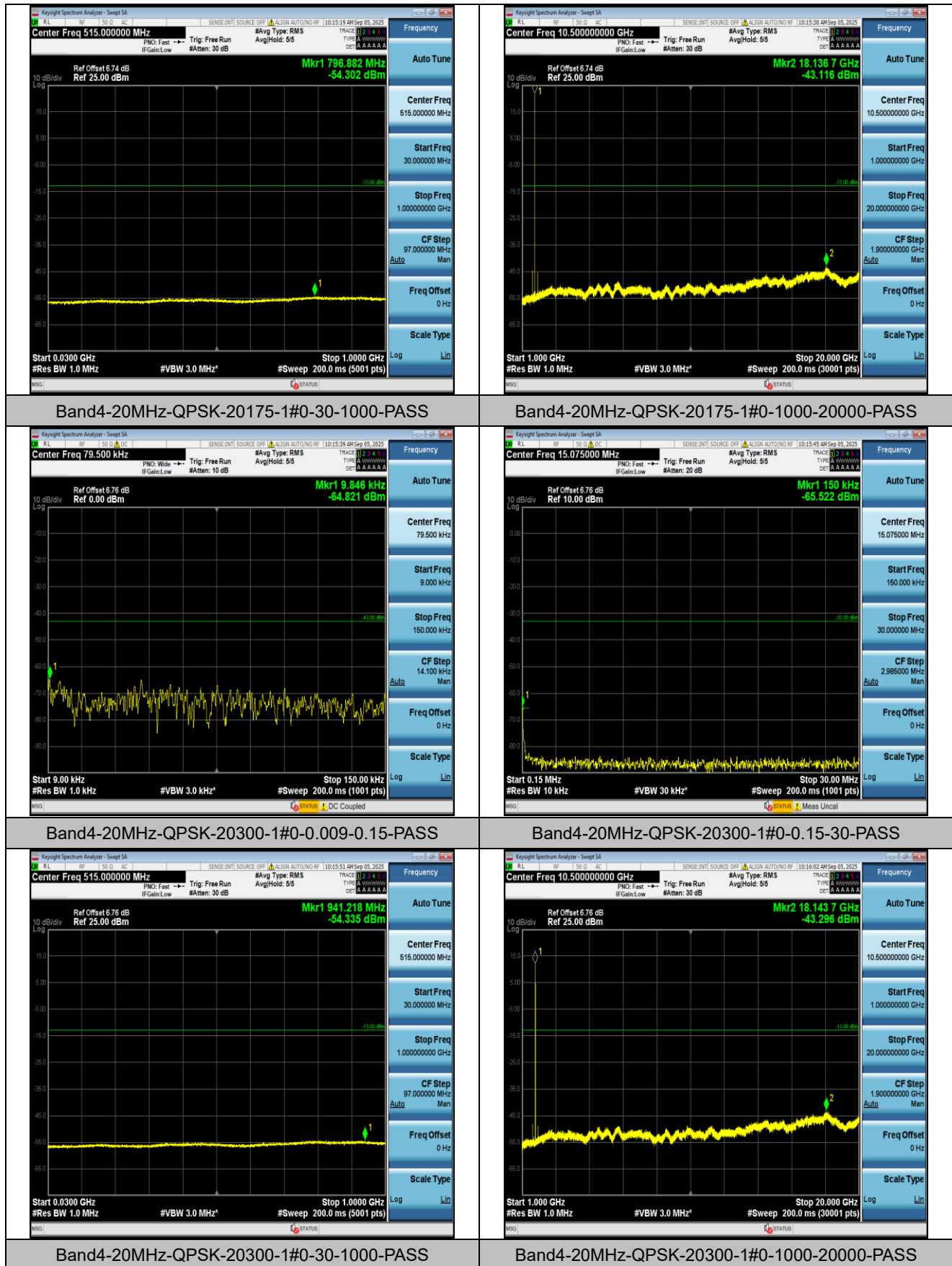
Conducted Spurious Emission for M1

Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Start Freq	Stop Freq	Result (dBm)	Verdict
Band4	20MHz	20050	QPSK	1	0	Low	0.009	0.15	-64.78	PASS
Band4	20MHz	20050	QPSK	1	0	Low	0.15	30	-62.68	PASS
Band4	20MHz	20050	QPSK	1	0	Low	30	1000	-54.32	PASS
Band4	20MHz	20050	QPSK	1	0	Low	1000	20000	-43.24	PASS
Band4	20MHz	20175	QPSK	1	0	Low	0.009	0.15	-64.95	PASS
Band4	20MHz	20175	QPSK	1	0	Low	0.15	30	-61.02	PASS
Band4	20MHz	20175	QPSK	1	0	Low	30	1000	-54.3	PASS
Band4	20MHz	20175	QPSK	1	0	Low	1000	20000	-43.12	PASS
Band4	20MHz	20300	QPSK	1	0	High	0.009	0.15	-64.82	PASS
Band4	20MHz	20300	QPSK	1	0	High	0.15	30	-65.52	PASS
Band4	20MHz	20300	QPSK	1	0	High	30	1000	-54.34	PASS
Band4	20MHz	20300	QPSK	1	0	High	1000	20000	-43.3	PASS

Test Graphs





~The End~