

Appendix-A LTE Cat M1 Band 66

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
Band66	1.4MHz	QPSK	131979	1	0	Low	21.48	24.48	30.00	PASS
Band66	1.4MHz	QPSK	131979	1	5	Low	21.27	24.27	30.00	PASS
Band66	1.4MHz	QPSK	131979	6	0	Low	19.43	22.43	30.00	PASS
Band66	1.4MHz	QPSK	132322	1	0	Low	21.63	24.63	30.00	PASS
Band66	1.4MHz	QPSK	132322	1	5	Low	21.61	24.61	30.00	PASS
Band66	1.4MHz	QPSK	132322	6	0	Low	19.54	22.54	30.00	PASS
Band66	1.4MHz	QPSK	132665	1	0	High	21.76	24.76	30.00	PASS
Band66	1.4MHz	QPSK	132665	1	5	High	21.52	24.52	30.00	PASS
Band66	1.4MHz	QPSK	132665	6	0	High	19.48	22.48	30.00	PASS
Band66	3MHz	QPSK	131987	1	0	Low	21.43	24.43	30.00	PASS
Band66	3MHz	QPSK	131987	1	5	Low	21.31	24.31	30.00	PASS
Band66	3MHz	QPSK	131987	6	0	Low	19.4	22.4	30.00	PASS
Band66	3MHz	QPSK	132322	1	0	Low	21.57	24.57	30.00	PASS
Band66	3MHz	QPSK	132322	1	5	Low	21.41	24.41	30.00	PASS
Band66	3MHz	QPSK	132322	6	0	Low	19.57	22.57	30.00	PASS
Band66	3MHz	QPSK	132657	1	0	High	21.79	24.79	30.00	PASS
Band66	3MHz	QPSK	132657	1	5	High	21.73	24.73	30.00	PASS
Band66	3MHz	QPSK	132657	6	0	High	19.68	22.68	30.00	PASS
Band66	5MHz	QPSK	131997	1	0	Low	21.47	24.47	30.00	PASS
Band66	5MHz	QPSK	131997	1	5	Low	21.24	24.24	30.00	PASS
Band66	5MHz	QPSK	131997	6	0	Low	20.38	23.38	30.00	PASS
Band66	5MHz	QPSK	132322	1	0	Low	21.41	24.41	30.00	PASS
Band66	5MHz	QPSK	132322	1	5	Low	21.29	24.29	30.00	PASS
Band66	5MHz	QPSK	132322	6	0	Low	20.37	23.37	30.00	PASS
Band66	5MHz	QPSK	132647	1	0	High	21.62	24.62	30.00	PASS
Band66	5MHz	QPSK	132647	1	5	High	21.38	24.38	30.00	PASS
Band66	5MHz	QPSK	132647	6	0	High	20.38	23.38	30.00	PASS
Band66	10MHz	QPSK	132022	1	0	Low	21.43	24.43	30.00	PASS
Band66	10MHz	QPSK	132022	1	5	Low	21.26	24.26	30.00	PASS
Band66	10MHz	QPSK	132022	6	0	Low	20.34	23.34	30.00	PASS
Band66	10MHz	QPSK	132322	1	0	Low	21.39	24.39	30.00	PASS
Band66	10MHz	QPSK	132322	1	5	Low	21.28	24.28	30.00	PASS
Band66	10MHz	QPSK	132322	6	0	Low	20.35	23.35	30.00	PASS
Band66	10MHz	QPSK	132622	1	0	High	21.88	24.88	30.00	PASS
Band66	10MHz	QPSK	132622	1	5	High	21.42	24.42	30.00	PASS
Band66	10MHz	QPSK	132622	6	0	High	20.42	23.42	30.00	PASS
Band66	15MHz	QPSK	132047	1	0	Low	21.34	24.34	30.00	PASS

Band66	15MHz	QPSK	132047	1	5	Low	21.39	24.39	30.00	PASS
Band66	15MHz	QPSK	132047	6	0	Low	21.45	24.45	30.00	PASS
Band66	15MHz	QPSK	132322	1	0	Low	21.31	24.31	30.00	PASS
Band66	15MHz	QPSK	132322	1	5	Low	21.16	24.16	30.00	PASS
Band66	15MHz	QPSK	132322	6	0	Low	21.41	24.41	30.00	PASS
Band66	15MHz	QPSK	132597	1	0	High	21.65	24.65	30.00	PASS
Band66	15MHz	QPSK	132597	1	5	High	21.42	24.42	30.00	PASS
Band66	15MHz	QPSK	132597	6	0	High	21.56	24.56	30.00	PASS
Band66	20MHz	QPSK	132322	1	0	Low	21.29	24.29	30.00	PASS
Band66	20MHz	QPSK	132322	1	5	Low	21.13	24.13	30.00	PASS
Band66	20MHz	QPSK	132322	6	0	Low	21.39	24.39	30.00	PASS
Band66	20MHz	QPSK	132572	1	0	High	21.68	24.68	30.00	PASS
Band66	20MHz	QPSK	132572	1	5	High	21.42	24.42	30.00	PASS
Band66	20MHz	QPSK	132572	6	0	High	21.57	24.57	30.00	PASS
Band66	1.4MHz	16QAM	131979	1	0	Low	21.02	24.02	30.00	PASS
Band66	1.4MHz	16QAM	131979	1	5	Low	20.62	23.62	30.00	PASS
Band66	1.4MHz	16QAM	131979	5	0	Low	19.58	22.58	30.00	PASS
Band66	1.4MHz	16QAM	132322	1	0	Low	20.46	23.46	30.00	PASS
Band66	1.4MHz	16QAM	132322	1	5	Low	20.37	23.37	30.00	PASS
Band66	1.4MHz	16QAM	132322	5	0	Low	19.34	22.34	30.00	PASS
Band66	1.4MHz	16QAM	132665	1	0	High	20.39	23.39	30.00	PASS
Band66	1.4MHz	16QAM	132665	1	5	High	20.13	23.13	30.00	PASS
Band66	1.4MHz	16QAM	132665	5	0	High	19.47	22.47	30.00	PASS
Band66	3MHz	16QAM	131987	1	0	Low	20.42	23.42	30.00	PASS
Band66	3MHz	16QAM	131987	1	5	Low	20.76	23.76	30.00	PASS
Band66	3MHz	16QAM	131987	5	0	Low	19.77	22.77	30.00	PASS
Band66	3MHz	16QAM	132322	1	0	Low	20.74	23.74	30.00	PASS
Band66	3MHz	16QAM	132322	1	5	Low	20.83	23.83	30.00	PASS
Band66	3MHz	16QAM	132322	5	0	Low	20.52	23.52	30.00	PASS
Band66	3MHz	16QAM	132657	1	0	High	20.61	23.61	30.00	PASS
Band66	3MHz	16QAM	132657	1	5	High	20.36	23.36	30.00	PASS
Band66	3MHz	16QAM	132657	5	0	High	19.44	22.44	30.00	PASS
Band66	5MHz	16QAM	131997	1	0	Low	21.32	24.32	30.00	PASS
Band66	5MHz	16QAM	131997	1	5	Low	21.12	24.12	30.00	PASS
Band66	5MHz	16QAM	131997	5	0	Low	20.21	23.21	30.00	PASS
Band66	5MHz	16QAM	132322	1	0	Low	21.71	24.71	30.00	PASS
Band66	5MHz	16QAM	132322	1	5	Low	21.16	24.16	30.00	PASS
Band66	5MHz	16QAM	132322	5	0	Low	20.31	23.31	30.00	PASS
Band66	5MHz	16QAM	132647	1	0	High	21.46	24.46	30.00	PASS
Band66	5MHz	16QAM	132647	1	5	High	21.17	24.17	30.00	PASS
Band66	5MHz	16QAM	132647	5	0	High	20.13	23.13	30.00	PASS
Band66	10MHz	16QAM	132022	1	0	Low	21.45	24.45	30.00	PASS
Band66	10MHz	16QAM	132022	1	5	Low	21.26	24.26	30.00	PASS
Band66	10MHz	16QAM	132022	5	0	Low	21.29	24.29	30.00	PASS
Band66	10MHz	16QAM	132322	1	0	Low	21.48	24.48	30.00	PASS

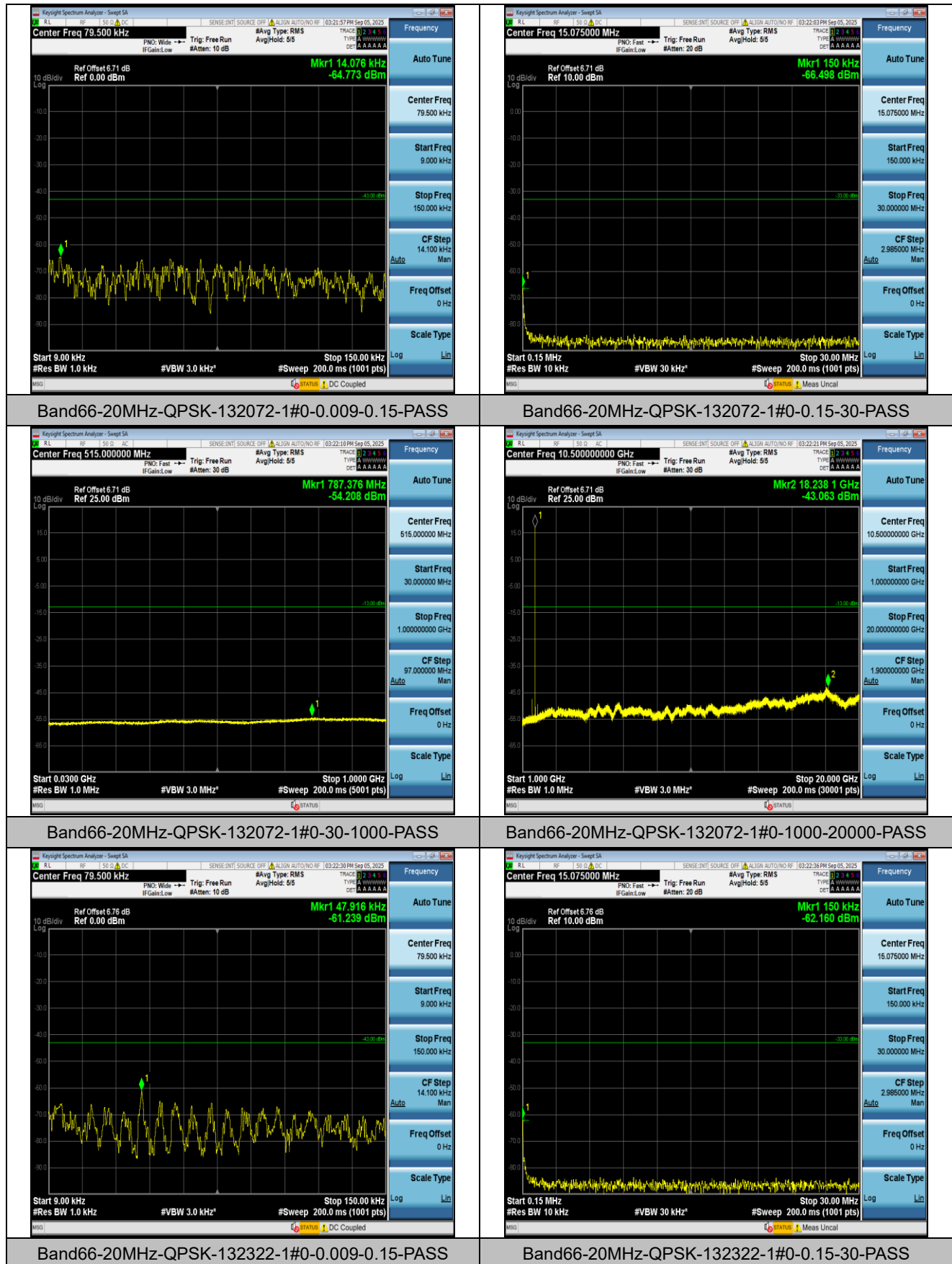
Band66	10MHz	16QAM	132322	1	5	Low	21.19	24.19	30.00	PASS
Band66	10MHz	16QAM	132322	5	0	Low	21.46	24.46	30.00	PASS
Band66	10MHz	16QAM	132622	1	0	High	21.52	24.52	30.00	PASS
Band66	10MHz	16QAM	132622	1	5	High	21.61	24.61	30.00	PASS
Band66	10MHz	16QAM	132622	5	0	High	21.36	24.36	30.00	PASS
Band66	15MHz	16QAM	132047	1	0	Low	21.27	24.27	30.00	PASS
Band66	15MHz	16QAM	132047	1	5	Low	21.29	24.29	30.00	PASS
Band66	15MHz	16QAM	132047	5	0	Low	21.37	24.37	30.00	PASS
Band66	15MHz	16QAM	132322	1	0	Low	21.56	24.56	30.00	PASS
Band66	15MHz	16QAM	132322	1	5	Low	21.2	24.2	30.00	PASS
Band66	15MHz	16QAM	132322	5	0	Low	21.26	24.26	30.00	PASS
Band66	15MHz	16QAM	132597	1	0	High	21.55	24.55	30.00	PASS
Band66	15MHz	16QAM	132597	1	5	High	21.34	24.34	30.00	PASS
Band66	15MHz	16QAM	132597	5	0	High	21.73	24.73	30.00	PASS
Band66	20MHz	16QAM	132322	1	0	Low	21.42	24.42	30.00	PASS
Band66	20MHz	16QAM	132322	1	5	Low	21.06	24.06	30.00	PASS
Band66	20MHz	16QAM	132322	5	0	Low	21.16	24.16	30.00	PASS
Band66	20MHz	16QAM	132572	1	0	High	21.63	24.63	30.00	PASS
Band66	20MHz	16QAM	132572	1	5	High	21.41	24.41	30.00	PASS
Band66	20MHz	16QAM	132572	5	0	High	21.32	24.32	30.00	PASS

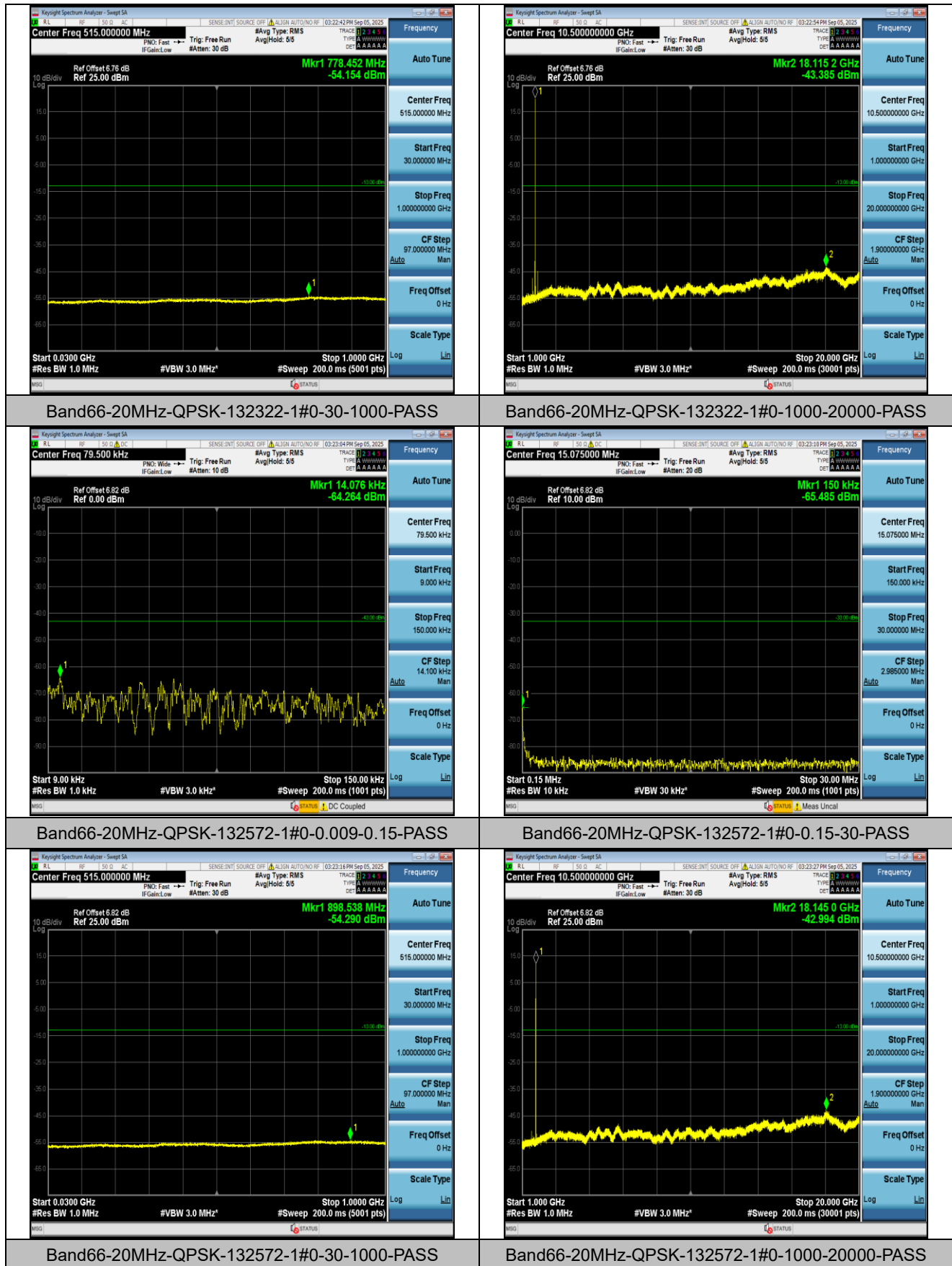
Conducted Spurious Emission for M1

Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Start Freq	Stop Freq	Result (dBm)	Verdict
Band66	20MHz	132072	QPSK	1	0	Low	0.009	0.15	-64.77	PASS
Band66	20MHz	132072	QPSK	1	0	Low	0.15	30	-66.5	PASS
Band66	20MHz	132072	QPSK	1	0	Low	30	1000	-54.21	PASS
Band66	20MHz	132072	QPSK	1	0	Low	1000	20000	-43.06	PASS
Band66	20MHz	132322	QPSK	1	0	Low	0.009	0.15	-61.24	PASS
Band66	20MHz	132322	QPSK	1	0	Low	0.15	30	-62.16	PASS
Band66	20MHz	132322	QPSK	1	0	Low	30	1000	-54.15	PASS
Band66	20MHz	132322	QPSK	1	0	Low	1000	20000	-43.39	PASS
Band66	20MHz	132572	QPSK	1	0	High	0.009	0.15	-64.26	PASS
Band66	20MHz	132572	QPSK	1	0	High	0.15	30	-65.49	PASS
Band66	20MHz	132572	QPSK	1	0	High	30	1000	-54.29	PASS
Band66	20MHz	132572	QPSK	1	0	High	1000	20000	-42.99	PASS

Test Graphs





~The End~