

Appendix for LTE Band13

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Appendix A: Effective Radiated Power Output Data for M1

Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Conducted Power(dBm)	Antenna Gain(dBi)	ERP (dBm)	Limit (dBm)	Verdict
Band 13	5MHz	23205	QPSK	1	0	Low	23.06	2.01	22.92	-999~34.8	PASS
Band 13	5MHz	23205	16QAM	1	0	Low	23	2.01	22.86	-999~34.8	PASS
Band 13	5MHz	23205	QPSK	1	5	Low	23.45	2.01	23.31	-999~34.8	PASS
Band 13	5MHz	23205	16QAM	1	5	Low	22.99	2.01	22.85	-999~34.8	PASS
Band 13	5MHz	23205	QPSK	6	0	Low	22.11	2.01	21.97	-999~34.8	PASS
Band 13	5MHz	23205	16QAM	6	0	Low	22.06	2.01	21.92	-999~34.8	PASS
Band 13	5MHz	23230	QPSK	1	0	Low	22.99	2.01	22.85	-999~34.8	PASS
Band 13	5MHz	23230	16QAM	1	0	Low	22.99	2.01	22.85	-999~34.8	PASS
Band 13	5MHz	23230	QPSK	1	5	Low	23.27	2.01	23.13	-999~34.8	PASS
Band 13	5MHz	23230	16QAM	1	5	Low	22.98	2.01	22.84	-999~34.8	PASS
Band 13	5MHz	23230	QPSK	6	0	Low	22.12	2.01	21.98	-999~34.8	PASS
Band 13	5MHz	23230	16QAM	6	0	Low	22.07	2.01	21.93	-999~34.8	PASS
Band 13	5MHz	23255	QPSK	1	0	High	22.86	2.01	22.72	-999~34.8	PASS
Band 13	5MHz	23255	16QAM	1	0	High	22.71	2.01	22.57	-999~34.8	PASS
Band 13	5MHz	23255	QPSK	1	5	High	23.01	2.01	22.87	-999~34.8	PASS
Band 13	5MHz	23255	16QAM	1	5	High	23.07	2.01	22.93	-999~34.8	PASS
Band 13	5MHz	23255	QPSK	6	0	High	21.99	2.01	21.85	-999~34.8	PASS

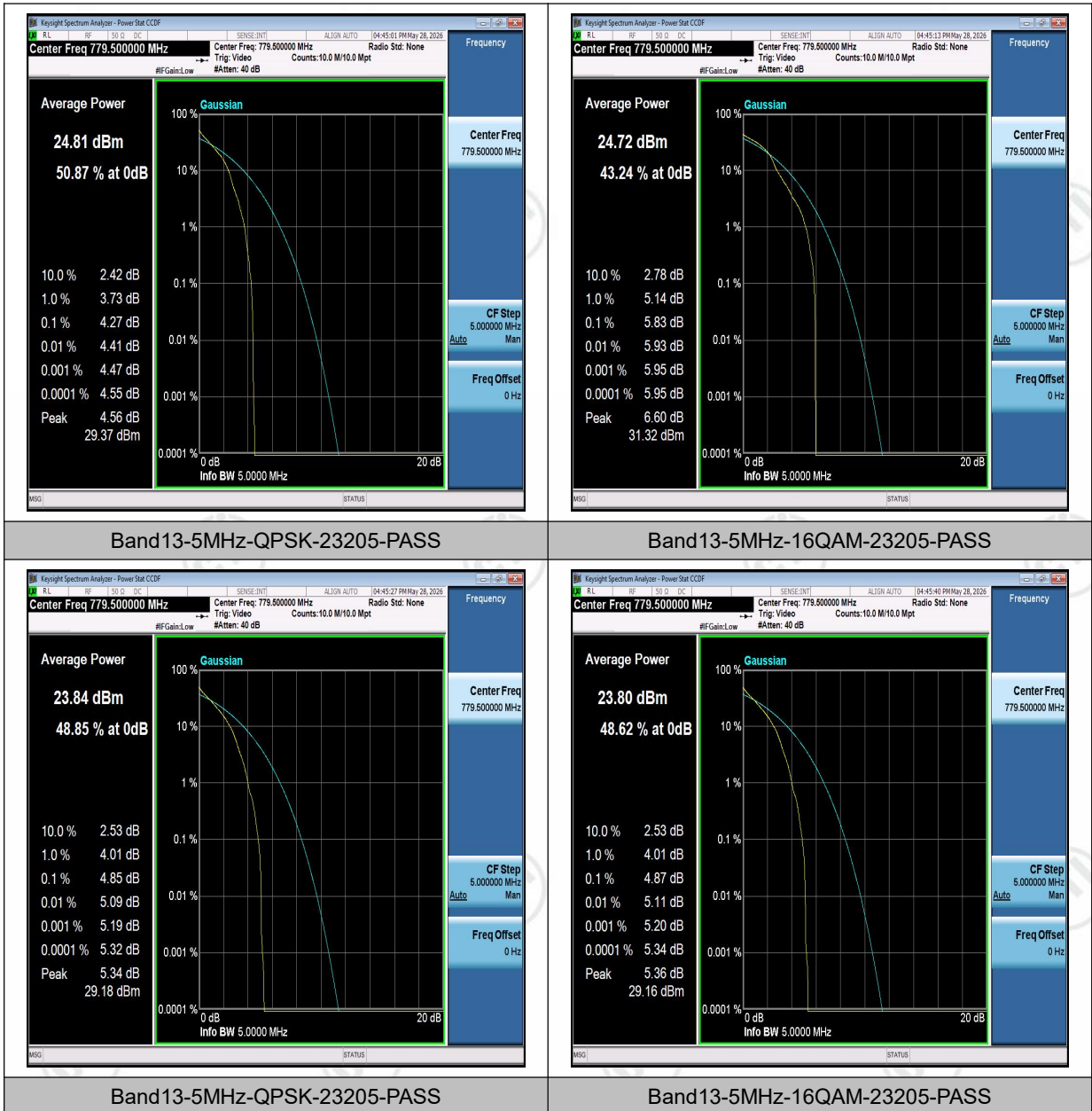
13			K						5	4.8	S
Band 13	5MHz	23255	16QAM	6	0	High	22	2.01	21.86	-999~34.8	PAS S
Band 13	10MHz	23230	QPSK	1	0	Low	23.06	2.01	22.92	-999~34.8	PAS S
Band 13	10MHz	23230	16QAM	1	0	Low	22.88	2.01	22.74	-999~34.8	PAS S
Band 13	10MHz	23230	QPSK	1	5	Low	23.28	2.01	23.14	-999~34.8	PAS S
Band 13	10MHz	23230	16QAM	1	5	Low	23	2.01	22.86	-999~34.8	PAS S
Band 13	10MHz	23230	QPSK	6	0	Low	22.13	2.01	21.99	-999~34.8	PAS S
Band 13	10MHz	23230	16QAM	6	0	Low	22.14	2.01	22.00	-999~34.8	PAS S

Appendix B: Peak-to-Average Ratio(CCDF) for M1

Test Result

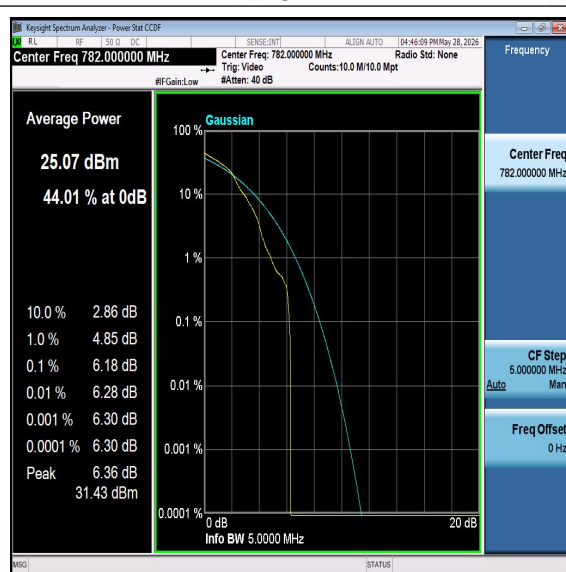
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NBIndex	Result(dB)	Limit(dB)	Verdict
Band13	5MHz	23205	QPSK	1	0	Low	4.27	<=13	PASS
Band13	5MHz	23205	16QAM	1	0	Low	5.83	<=13	PASS
Band13	5MHz	23205	QPSK	6	0	Low	4.85	<=13	PASS
Band13	5MHz	23205	16QAM	6	0	Low	4.87	<=13	PASS
Band13	5MHz	23230	QPSK	1	0	Low	4.30	<=13	PASS
Band13	5MHz	23230	16QAM	1	0	Low	6.18	<=13	PASS
Band13	5MHz	23230	QPSK	6	0	Low	4.65	<=13	PASS
Band13	5MHz	23230	16QAM	6	0	Low	4.70	<=13	PASS
Band13	5MHz	23255	QPSK	1	0	High	4.57	<=13	PASS
Band13	5MHz	23255	16QAM	1	0	High	6.23	<=13	PASS
Band13	5MHz	23255	QPSK	6	0	High	4.98	<=13	PASS
Band13	5MHz	23255	16QAM	6	0	High	4.98	<=13	PASS
Band13	10MHz	23230	QPSK	1	0	Low	4.67	<=13	PASS
Band13	10MHz	23230	16QAM	1	0	Low	5.98	<=13	PASS
Band13	10MHz	23230	QPSK	6	0	Low	5.11	<=13	PASS
Band13	10MHz	23230	16QAM	6	0	Low	5.14	<=13	PASS

Test Graphs

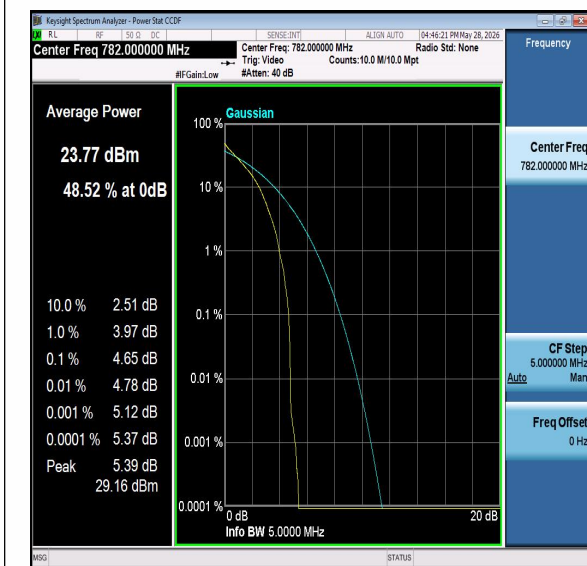




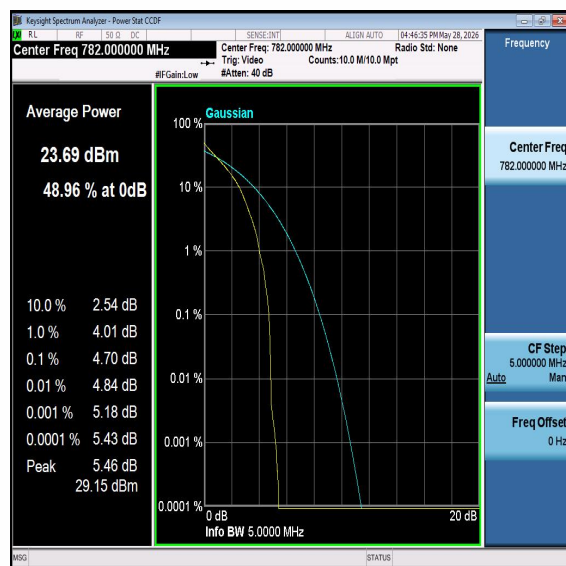
Band13-5MHz-QPSK-23230-PASS



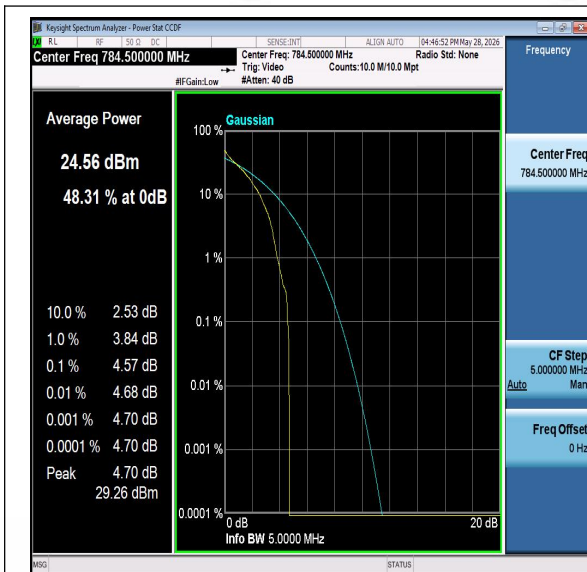
Band13-5MHz-16QAM-23230-PASS



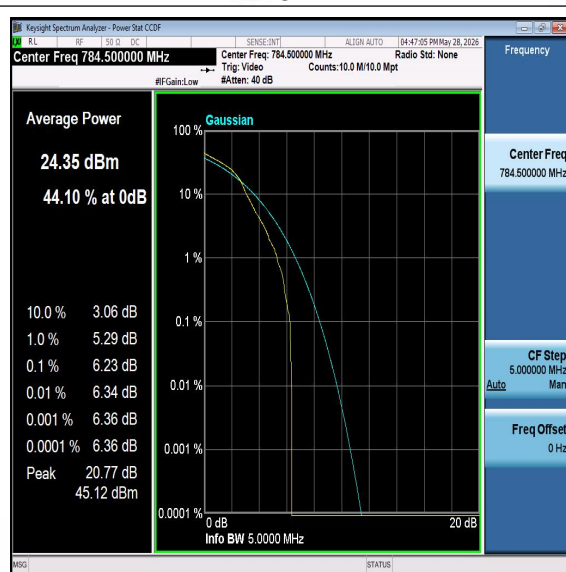
Band13-5MHz-QPSK-23230-PASS



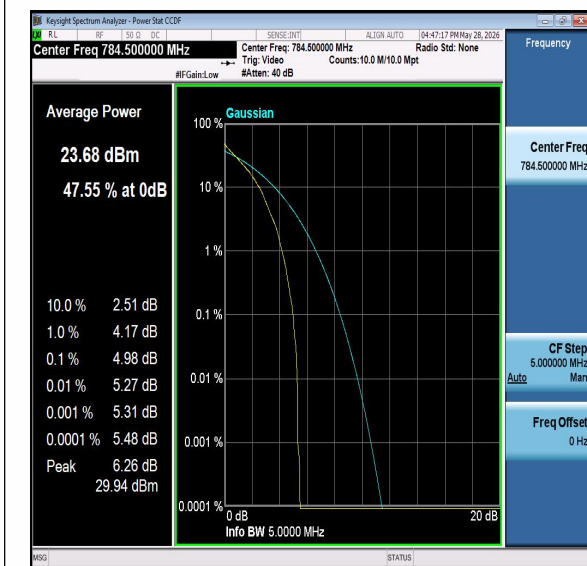
Band13-5MHz-16QAM-23230-PASS



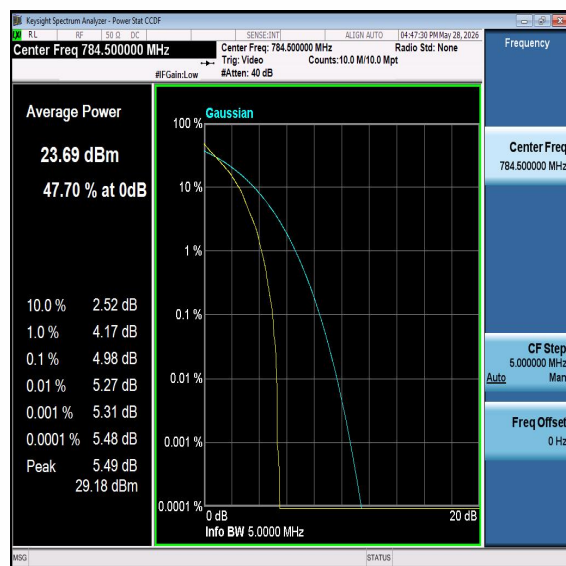
Band13-5MHz-QPSK-23255-PASS



Band13-5MHz-16QAM-23255-PASS



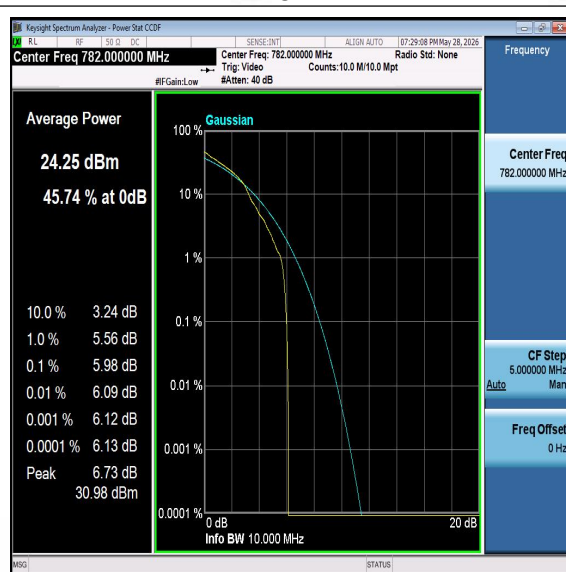
Band13-5MHz-QPSK-23255-PASS



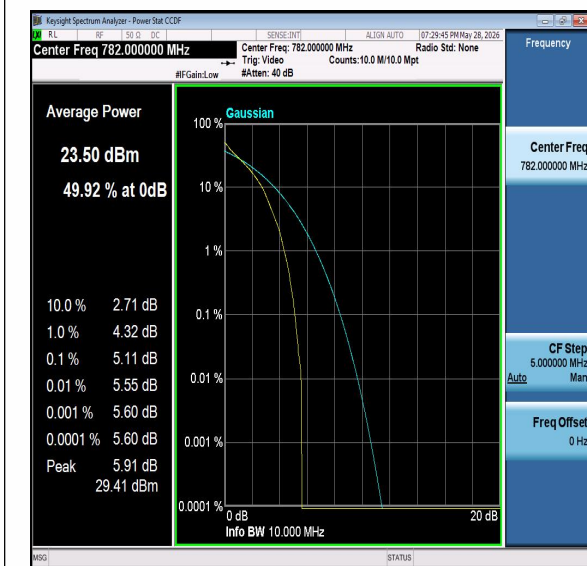
Band13-5MHz-16QAM-23255-PASS



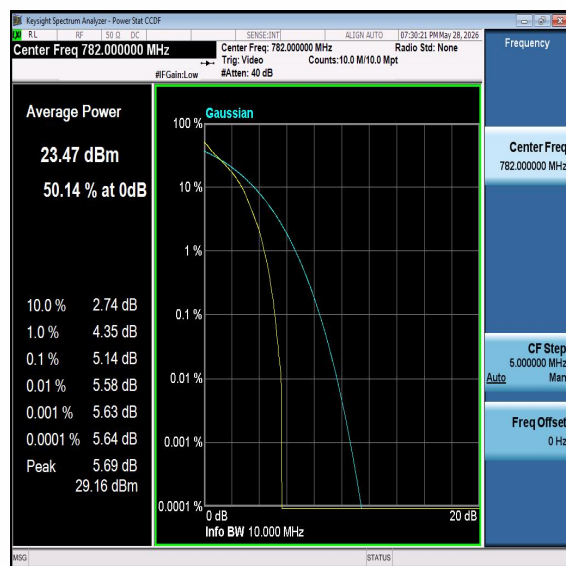
Band13-10MHz-QPSK-23230-PASS



Band13-10MHz-16QAM-23230-PASS



Band13-10MHz-QPSK-23230-PASS



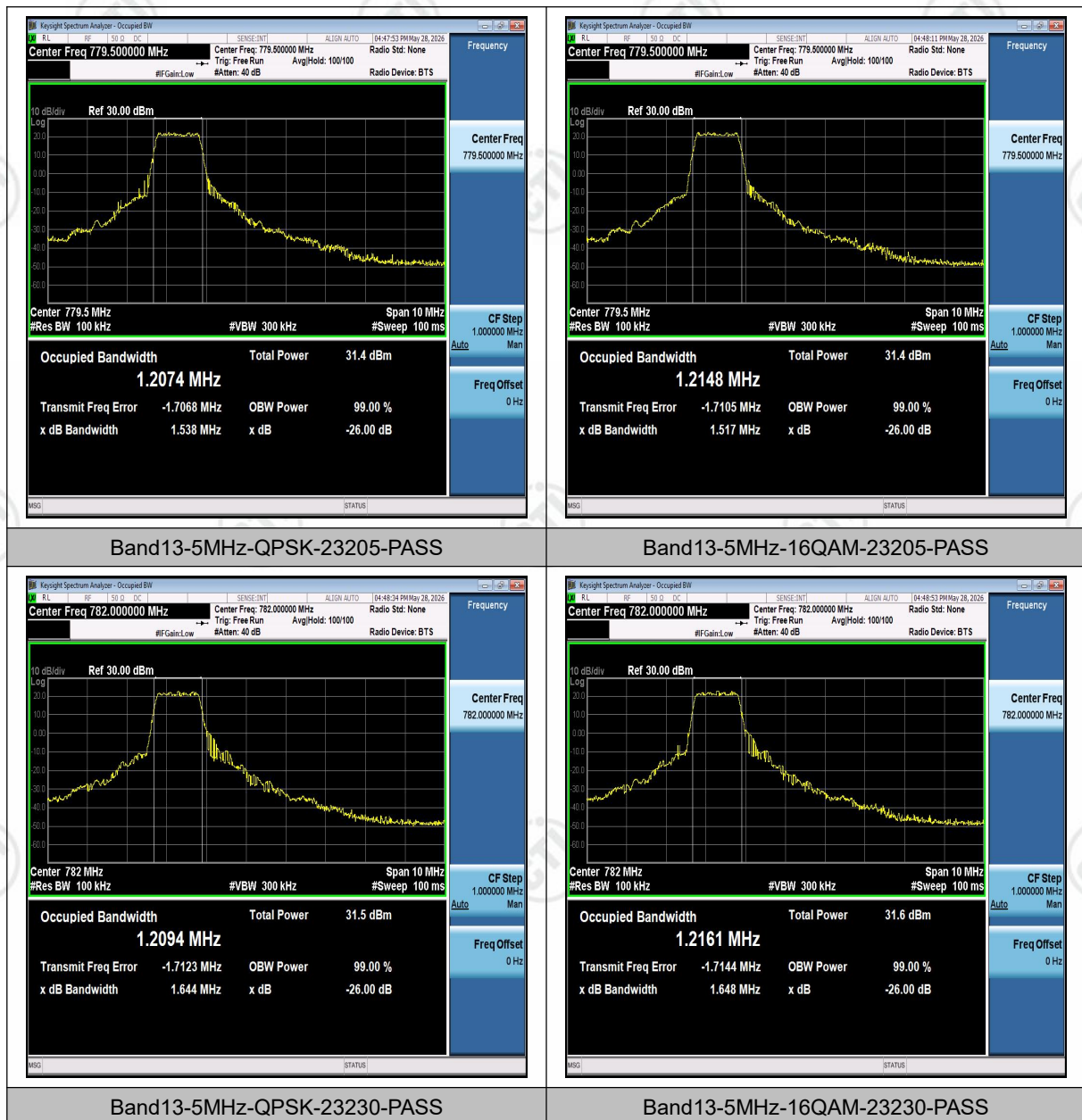
Band13-10MHz-16QAM-23230-PASS

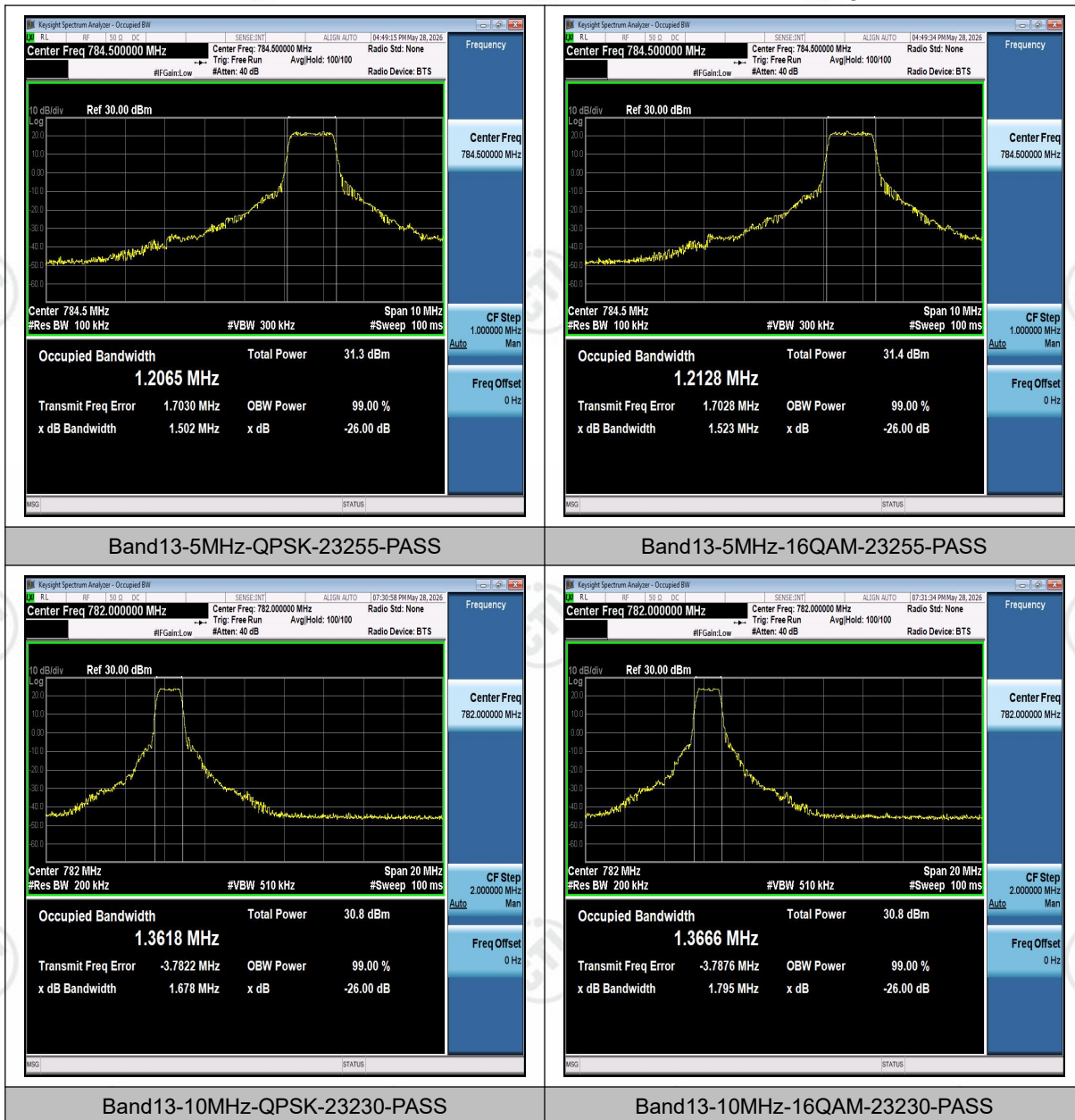
Appendix C: 26dB Bandwidth and Occupied Bandwidth for M1

Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	23205	QPSK	6	0	Low	1.2074	1.538	PASS
Band13	5MHz	23205	16QAM	6	0	Low	1.2148	1.517	PASS
Band13	5MHz	23230	QPSK	6	0	Low	1.2094	1.644	PASS
Band13	5MHz	23230	16QAM	6	0	Low	1.2161	1.648	PASS
Band13	5MHz	23255	QPSK	6	0	High	1.2065	1.502	PASS
Band13	5MHz	23255	16QAM	6	0	High	1.2128	1.523	PASS
Band13	10MHz	23230	QPSK	6	0	Low	1.3618	1.678	PASS
Band13	10MHz	23230	16QAM	6	0	Low	1.3666	1.795	PASS

Test Graphs





Appendix D: Band Edge for M1

Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Result(dBm)	Verdict
Band13	5MHz	23205	QPSK	1	0	Low	30.69	PASS
Band13	5MHz	23205	16QAM	1	0	Low	30.30	PASS
Band13	5MHz	23205	QPSK	6	0	Low	27.56	PASS
Band13	5MHz	23205	16QAM	6	0	Low	27.59	PASS
Band13	5MHz	23255	QPSK	1	0	High	35.21	PASS
Band13	5MHz	23255	16QAM	1	0	High	35.08	PASS
Band13	5MHz	23255	QPSK	6	0	High	33.45	PASS
Band13	5MHz	23255	16QAM	6	0	High	32.46	PASS
Band13	10MHz	23230	QPSK	1	0	Low	30.27	PASS
Band13	10MHz	23230	16QAM	1	0	Low	31.64	PASS
Band13	10MHz	23230	QPSK	1	0	High	35.46	PASS
Band13	10MHz	23230	16QAM	1	0	High	35.45	PASS
Band13	10MHz	23230	QPSK	6	0	Low	28.17	PASS
Band13	10MHz	23230	16QAM	6	0	Low	28.36	PASS