

Appendix A Conduction Data for LTE

1.Transmitter Conducted Output Power And ERP/EIRP

Test Result

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP (W)	ERP/EIRP(Limit) (dBm)	Verdict
17	5.0	23755	706.5	QPSK	1@0	23.79	16.13	0.041	34.77	PASS
17	5.0	23755	706.5	QPSK	1@12	23.76	16.1	0.0408	34.77	PASS
17	5.0	23755	706.5	QPSK	1@24	23.82	16.16	0.0413	34.77	PASS
17	5.0	23755	706.5	QPSK	12@0	22.9	15.24	0.0334	34.77	PASS
17	5.0	23755	706.5	QPSK	12@6	22.89	15.23	0.0333	34.77	PASS
17	5.0	23755	706.5	QPSK	12@11	22.88	15.22	0.0333	34.77	PASS
17	5.0	23755	706.5	QPSK	25@0	22.87	15.21	0.0332	34.77	PASS
17	5.0	23755	706.5	16QAM	1@0	22.31	14.65	0.0292	34.77	PASS
17	5.0	23755	706.5	16QAM	1@12	22.22	14.56	0.0286	34.77	PASS
17	5.0	23755	706.5	16QAM	1@24	22.21	14.55	0.0285	34.77	PASS
17	5.0	23755	706.5	16QAM	12@0	21.72	14.06	0.0255	34.77	PASS
17	5.0	23755	706.5	16QAM	12@6	21.74	14.08	0.0256	34.77	PASS
17	5.0	23755	706.5	16QAM	12@11	21.74	14.08	0.0256	34.77	PASS
17	5.0	23755	706.5	16QAM	25@0	21.78	14.12	0.0258	34.77	PASS
17	5.0	23790	710.0	QPSK	1@0	23.51	15.85	0.0385	34.77	PASS
17	5.0	23790	710.0	QPSK	1@12	23.59	15.93	0.0392	34.77	PASS
17	5.0	23790	710.0	QPSK	1@24	23.48	15.82	0.0382	34.77	PASS
17	5.0	23790	710.0	QPSK	12@0	22.85	15.19	0.033	34.77	PASS
17	5.0	23790	710.0	QPSK	12@6	22.69	15.03	0.0318	34.77	PASS
17	5.0	23790	710.0	QPSK	12@11	22.68	15.02	0.0318	34.77	PASS
17	5.0	23790	710.0	QPSK	25@0	22.59	14.93	0.0311	34.77	PASS
17	5.0	23790	710.0	16QAM	1@0	22.31	14.65	0.0292	34.77	PASS
17	5.0	23790	710.0	16QAM	1@12	21.93	14.27	0.0267	34.77	PASS
17	5.0	23790	710.0	16QAM	1@24	22.23	14.57	0.0287	34.77	PASS
17	5.0	23790	710.0	16QAM	12@0	21.61	13.95	0.0248	34.77	PASS
17	5.0	23790	710.0	16QAM	12@6	21.61	13.95	0.0248	34.77	PASS
17	5.0	23790	710.0	16QAM	12@11	21.6	13.94	0.0248	34.77	PASS
17	5.0	23790	710.0	16QAM	25@0	22.06	14.4	0.0276	34.77	PASS
17	5.0	23825	713.5	QPSK	1@0	23.5	15.84	0.0384	34.77	PASS
17	5.0	23825	713.5	QPSK	1@12	23.71	16.05	0.0403	34.77	PASS
17	5.0	23825	713.5	QPSK	1@24	23.55	15.89	0.0388	34.77	PASS
17	5.0	23825	713.5	QPSK	12@0	22.47	14.81	0.0303	34.77	PASS
17	5.0	23825	713.5	QPSK	12@6	22.51	14.85	0.0306	34.77	PASS
17	5.0	23825	713.5	QPSK	12@11	22.52	14.86	0.0306	34.77	PASS
17	5.0	23825	713.5	QPSK	25@0	22.77	15.11	0.0324	34.77	PASS
17	5.0	23825	713.5	16QAM	1@0	21.12	13.46	0.0222	34.77	PASS
17	5.0	23825	713.5	16QAM	1@12	20.99	13.33	0.0215	34.77	PASS
17	5.0	23825	713.5	16QAM	1@24	20.9	13.24	0.0211	34.77	PASS
17	5.0	23825	713.5	16QAM	12@0	21.58	13.92	0.0247	34.77	PASS
17	5.0	23825	713.5	16QAM	12@6	21.61	13.95	0.0248	34.77	PASS
17	5.0	23825	713.5	16QAM	12@11	21.6	13.94	0.0248	34.77	PASS
17	5.0	23825	713.5	16QAM	25@0	22.19	14.53	0.0284	34.77	PASS
17	10.0	23780	709.0	QPSK	1@0	23.69	16.03	0.0401	34.77	PASS
17	10.0	23780	709.0	QPSK	1@24	23.63	15.97	0.0396	34.77	PASS
17	10.0	23780	709.0	QPSK	1@49	23.6	15.94	0.0393	34.77	PASS
17	10.0	23780	709.0	QPSK	25@0	22.83	15.17	0.0329	34.77	PASS
17	10.0	23780	709.0	QPSK	25@12	22.82	15.16	0.0328	34.77	PASS
17	10.0	23780	709.0	QPSK	25@24	22.81	15.15	0.0328	34.77	PASS
17	10.0	23780	709.0	QPSK	50@0	22.82	15.16	0.0328	34.77	PASS
17	10.0	23780	709.0	16QAM	1@0	22.23	14.57	0.0286	34.77	PASS
17	10.0	23780	709.0	16QAM	1@24	22.44	14.78	0.0301	34.77	PASS
17	10.0	23780	709.0	16QAM	1@49	22.14	14.48	0.0281	34.77	PASS
17	10.0	23780	709.0	16QAM	25@0	21.84	14.18	0.0262	34.77	PASS
17	10.0	23780	709.0	16QAM	25@12	22.0	14.34	0.0271	34.77	PASS
17	10.0	23780	709.0	16QAM	25@24	22.0	14.34	0.0271	34.77	PASS
17	10.0	23780	709.0	16QAM	50@0	21.74	14.08	0.0256	34.77	PASS
17	10.0	23790	710.0	QPSK	1@0	23.7	16.04	0.0402	34.77	PASS
17	10.0	23790	710.0	QPSK	1@24	23.57	15.91	0.039	34.77	PASS
17	10.0	23790	710.0	QPSK	1@49	23.63	15.97	0.0395	34.77	PASS
17	10.0	23790	710.0	QPSK	25@0	22.79	15.13	0.0326	34.77	PASS
17	10.0	23790	710.0	QPSK	25@12	22.81	15.15	0.0327	34.77	PASS
17	10.0	23790	710.0	QPSK	25@24	22.64	14.98	0.0315	34.77	PASS
17	10.0	23790	710.0	QPSK	50@0	22.69	15.03	0.0318	34.77	PASS
17	10.0	23790	710.0	16QAM	1@0	21.64	13.98	0.025	34.77	PASS
17	10.0	23790	710.0	16QAM	1@24	21.49	13.83	0.0242	34.77	PASS
17	10.0	23790	710.0	16QAM	1@49	21.4	13.74	0.0237	34.77	PASS
17	10.0	23790	710.0	16QAM	25@0	21.81	14.15	0.026	34.77	PASS
17	10.0	23790	710.0	16QAM	25@12	21.81	14.15	0.026	34.77	PASS
17	10.0	23790	710.0	16QAM	25@24	21.93	14.27	0.0267	34.77	PASS
17	10.0	23790	710.0	16QAM	50@0	22.16	14.5	0.0282	34.77	PASS
17	10.0	23800	711.0	QPSK	1@0	23.59	15.93	0.0392	34.77	PASS
17	10.0	23800	711.0	QPSK	1@24	23.49	15.83	0.0383	34.77	PASS
17	10.0	23800	711.0	QPSK	1@49	23.62	15.96	0.0395	34.77	PASS
17	10.0	23800	711.0	QPSK	25@0	22.75	15.09	0.0323	34.77	PASS

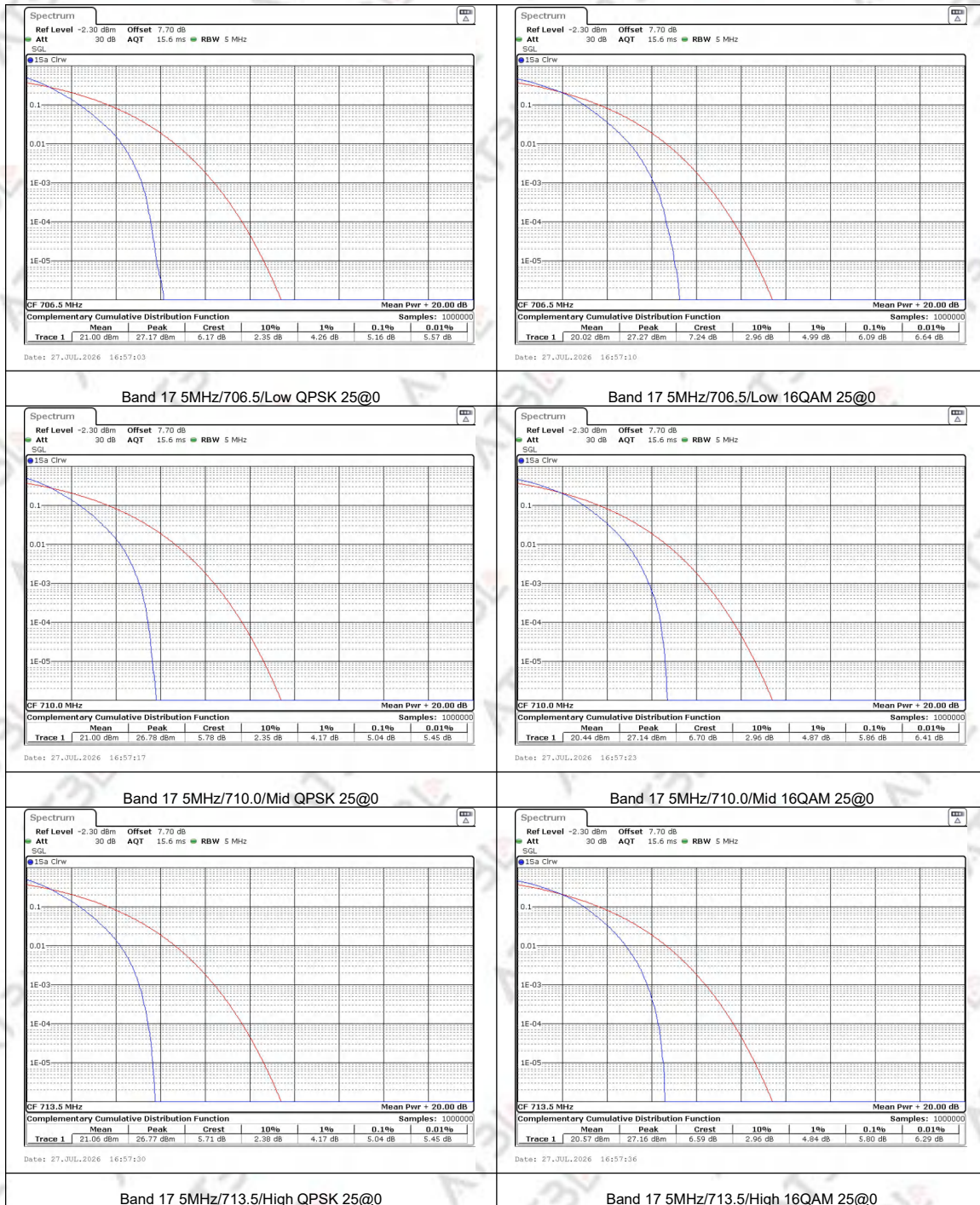
17	10.0	23800	711.0	QPSK	25@12	22.77	15.11	0.0324	34.77	PASS
17	10.0	23800	711.0	QPSK	25@24	22.65	14.99	0.0316	34.77	PASS
17	10.0	23800	711.0	QPSK	50@0	22.67	15.01	0.0317	34.77	PASS
17	10.0	23800	711.0	16QAM	1@0	22.32	14.66	0.0293	34.77	PASS
17	10.0	23800	711.0	16QAM	1@24	22.32	14.66	0.0292	34.77	PASS
17	10.0	23800	711.0	16QAM	1@49	22.15	14.49	0.0281	34.77	PASS
17	10.0	23800	711.0	16QAM	25@0	21.6	13.94	0.0248	34.77	PASS
17	10.0	23800	711.0	16QAM	25@12	21.73	14.07	0.0255	34.77	PASS
17	10.0	23800	711.0	16QAM	25@24	21.74	14.08	0.0256	34.77	PASS
17	10.0	23800	711.0	16QAM	50@0	22.04	14.38	0.0274	34.77	PASS

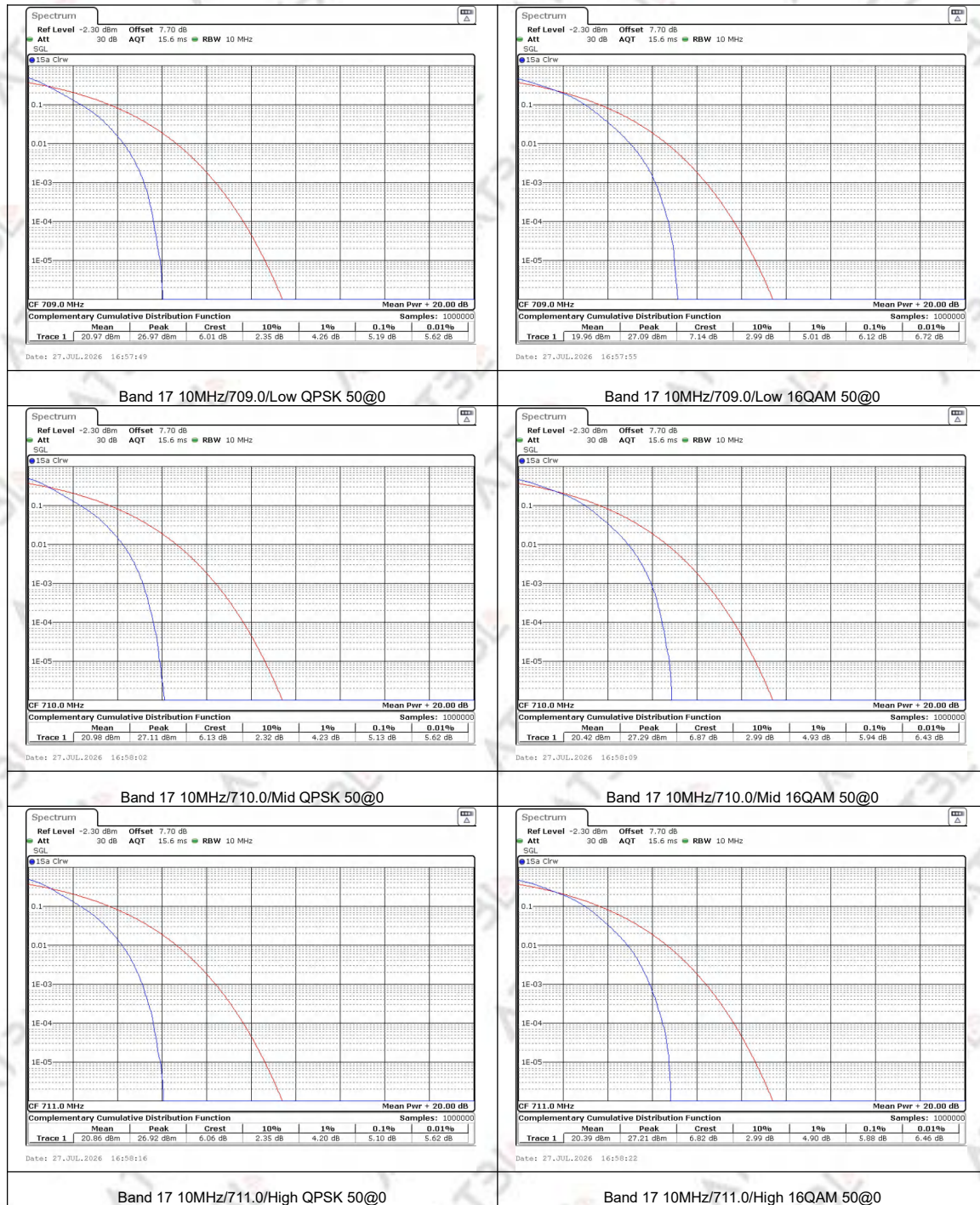
2. Peak to Average Ratio

Test Result

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
17	5.0	23755	706.5	QPSK	25@0	5.16	13	PASS
17	5.0	23755	706.5	16QAM	25@0	6.09	13	PASS
17	5.0	23790	710.0	QPSK	25@0	5.04	13	PASS
17	5.0	23790	710.0	16QAM	25@0	5.86	13	PASS
17	5.0	23825	713.5	QPSK	25@0	5.04	13	PASS
17	5.0	23825	713.5	16QAM	25@0	5.8	13	PASS
17	10.0	23780	709.0	QPSK	50@0	5.19	13	PASS
17	10.0	23780	709.0	16QAM	50@0	6.12	13	PASS
17	10.0	23790	710.0	QPSK	50@0	5.13	13	PASS
17	10.0	23790	710.0	16QAM	50@0	5.94	13	PASS
17	10.0	23800	711.0	QPSK	50@0	5.1	13	PASS
17	10.0	23800	711.0	16QAM	50@0	5.88	13	PASS

Test Graphs



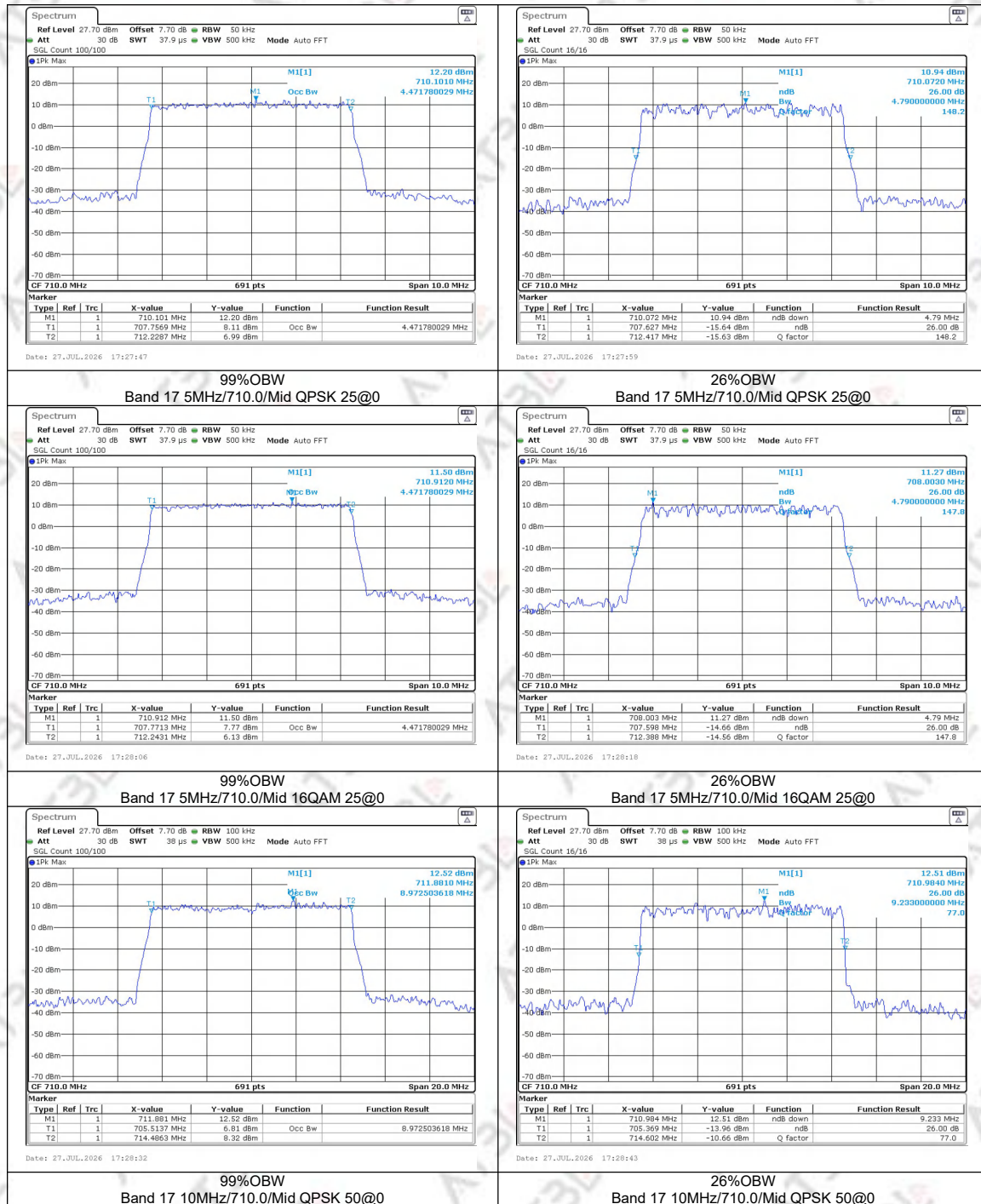


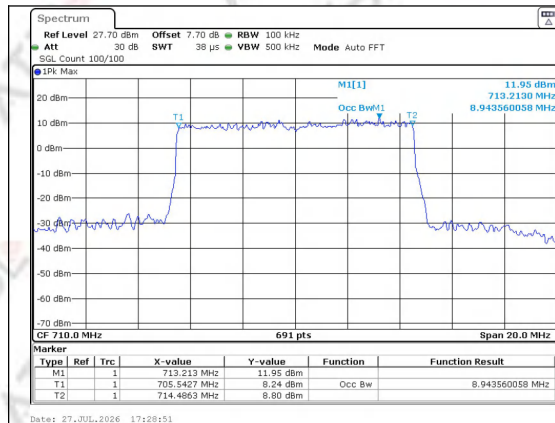
3.Occupied Bandwidth

Test Result

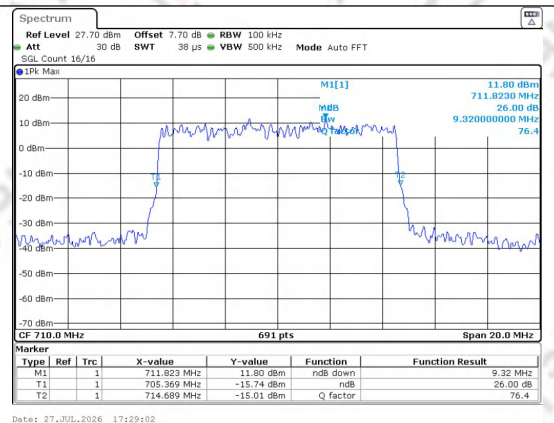
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)	Verdict
17	5.0	23790	710.0	QPSK	25@0	4.4718	4.790	PASS
17	5.0	23790	710.0	16QAM	25@0	4.4718	4.790	PASS
17	10.0	23790	710.0	QPSK	50@0	8.9725	9.233	PASS
17	10.0	23790	710.0	16QAM	50@0	8.9436	9.320	PASS

Test Graphs





99%OBW
Band 17 10MHz/710.0/Mid 16QAM 50@0



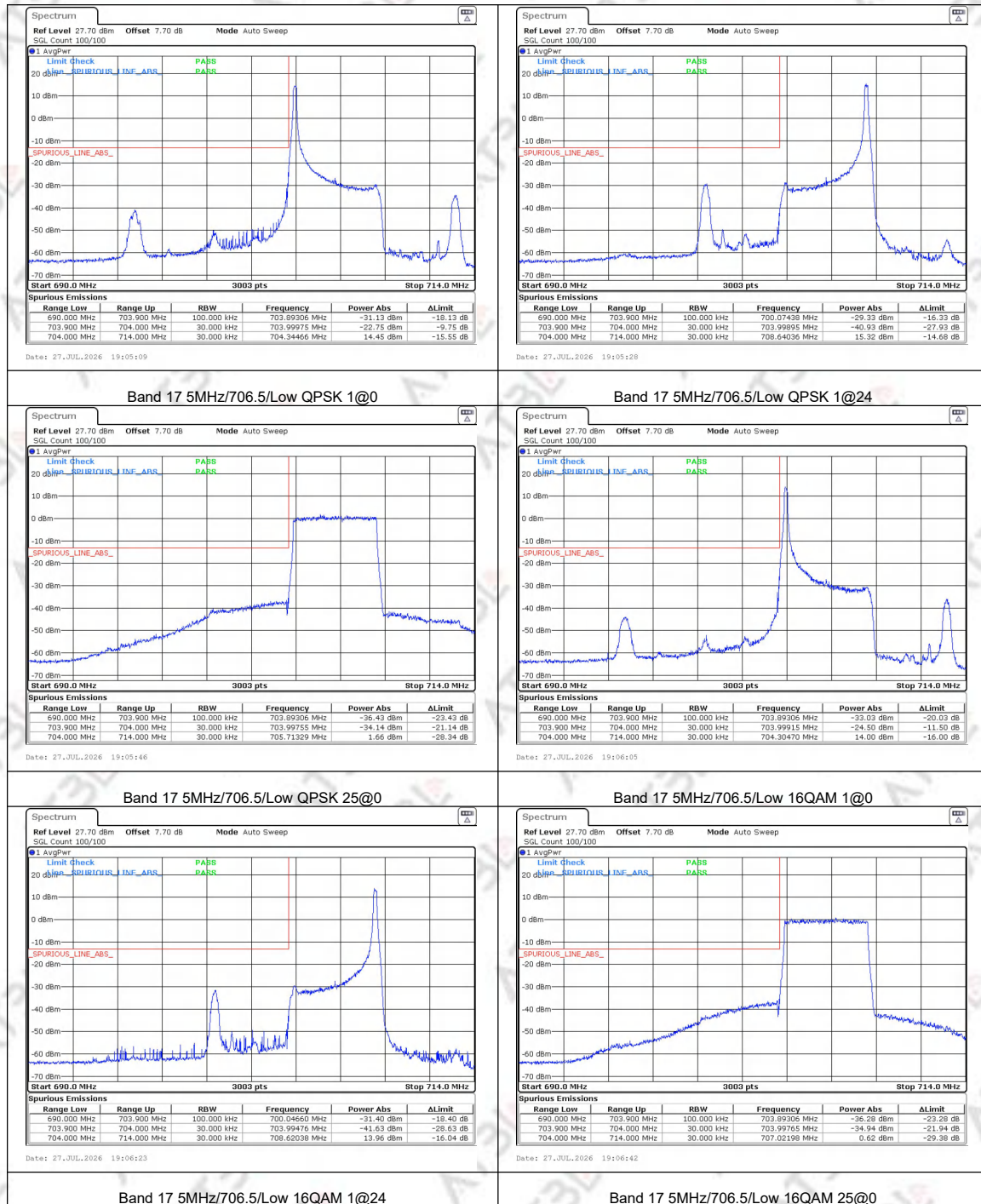
26%OBW
Band 17 10MHz/710.0/Mid 16QAM 50@0

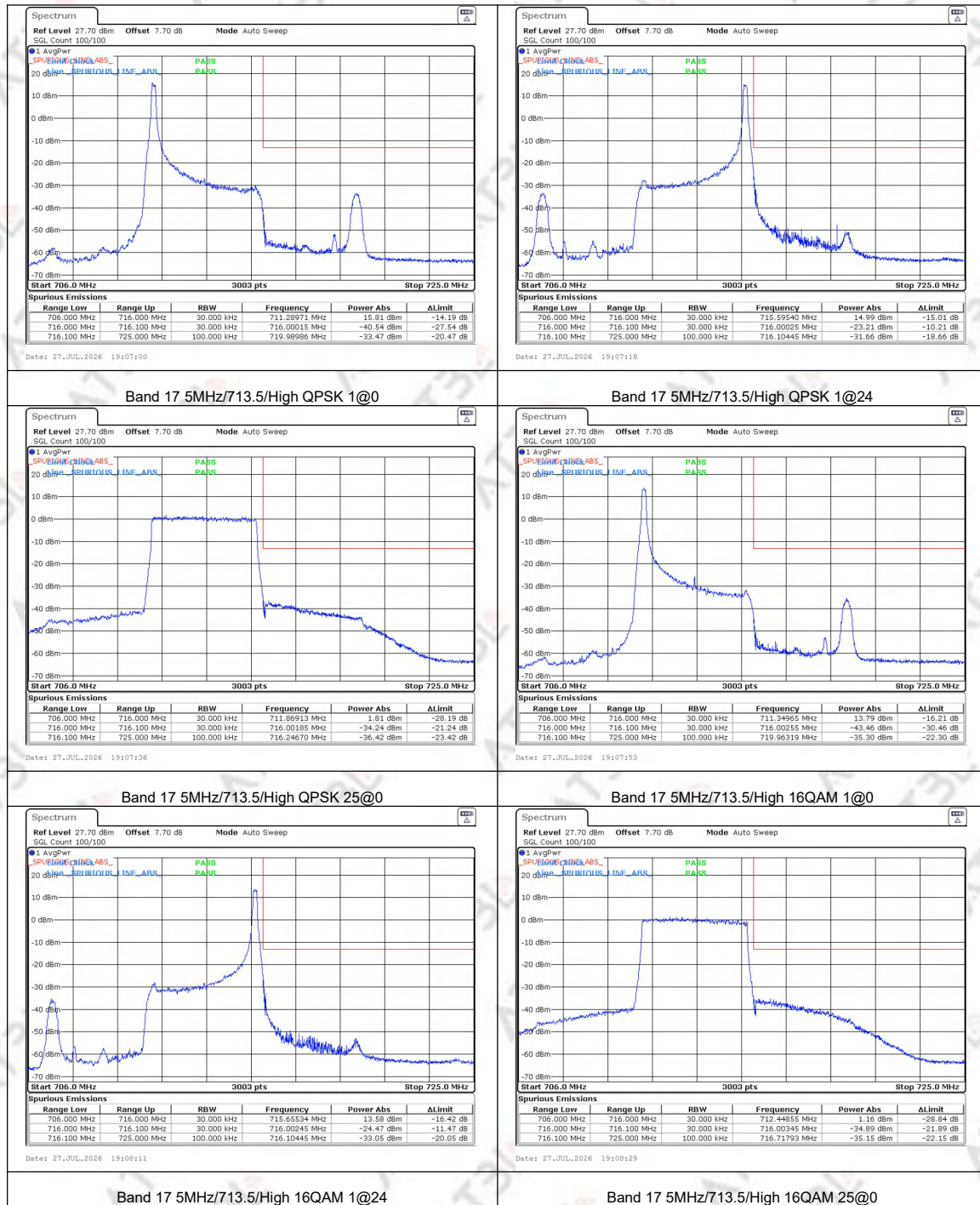
4. Conducted Band Edge

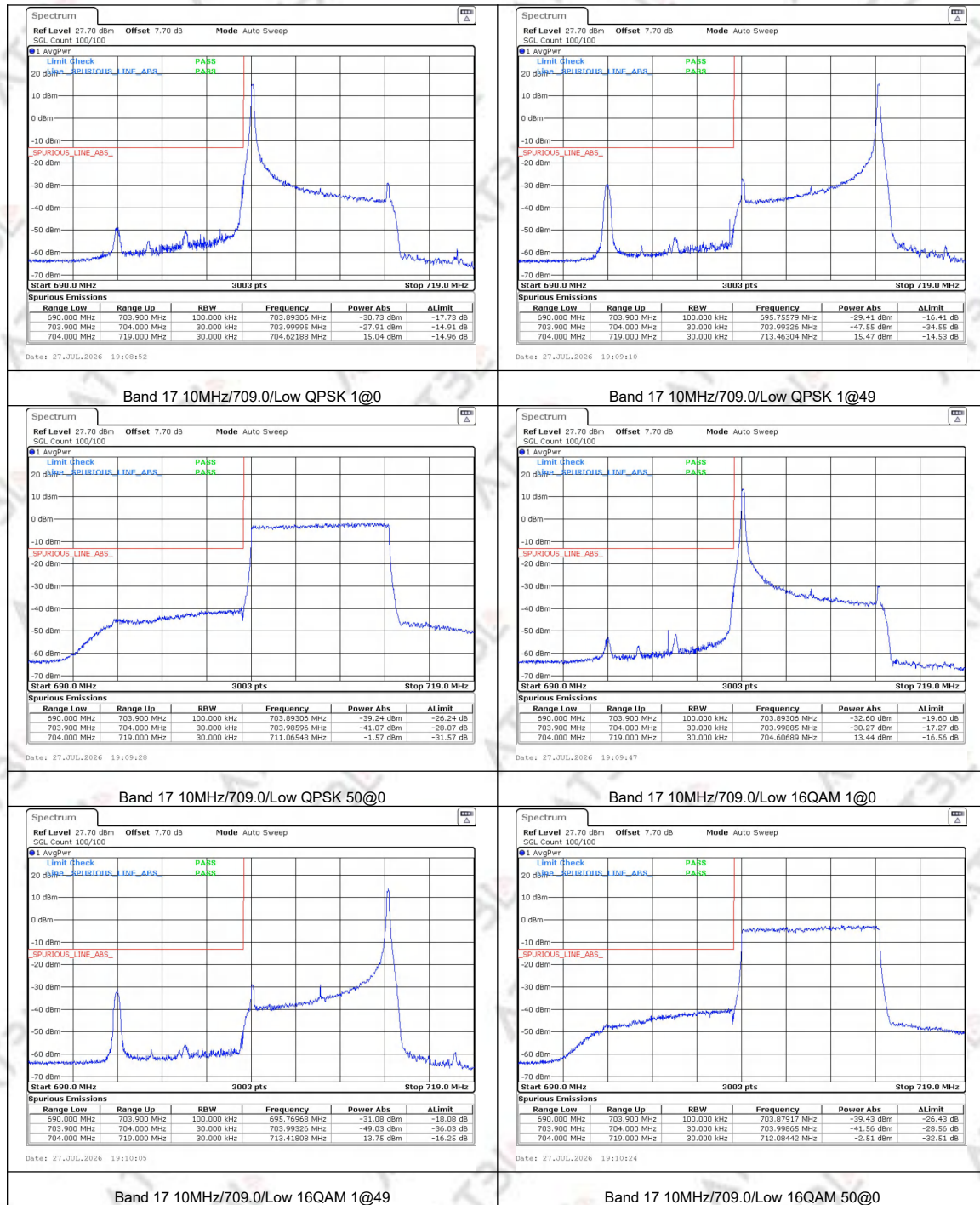
Test Result

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result	Verdict
17	5.0	23755	706.5	QPSK	1@0	see graph	PASS
17	5.0	23755	706.5	QPSK	1@24	see graph	PASS
17	5.0	23755	706.5	QPSK	25@0	see graph	PASS
17	5.0	23755	706.5	16QAM	1@0	see graph	PASS
17	5.0	23755	706.5	16QAM	1@24	see graph	PASS
17	5.0	23755	706.5	16QAM	25@0	see graph	PASS
17	5.0	23825	713.5	QPSK	1@0	see graph	PASS
17	5.0	23825	713.5	QPSK	1@24	see graph	PASS
17	5.0	23825	713.5	QPSK	25@0	see graph	PASS
17	5.0	23825	713.5	16QAM	1@0	see graph	PASS
17	5.0	23825	713.5	16QAM	1@24	see graph	PASS
17	5.0	23825	713.5	16QAM	25@0	see graph	PASS
17	10.0	23780	709.0	QPSK	1@0	see graph	PASS
17	10.0	23780	709.0	QPSK	1@49	see graph	PASS
17	10.0	23780	709.0	QPSK	50@0	see graph	PASS
17	10.0	23780	709.0	16QAM	1@0	see graph	PASS
17	10.0	23780	709.0	16QAM	1@49	see graph	PASS
17	10.0	23780	709.0	16QAM	50@0	see graph	PASS
17	10.0	23800	711.0	QPSK	1@0	see graph	PASS
17	10.0	23800	711.0	QPSK	1@49	see graph	PASS
17	10.0	23800	711.0	QPSK	50@0	see graph	PASS
17	10.0	23800	711.0	16QAM	1@0	see graph	PASS
17	10.0	23800	711.0	16QAM	1@49	see graph	PASS
17	10.0	23800	711.0	16QAM	50@0	see graph	PASS

Test Graphs

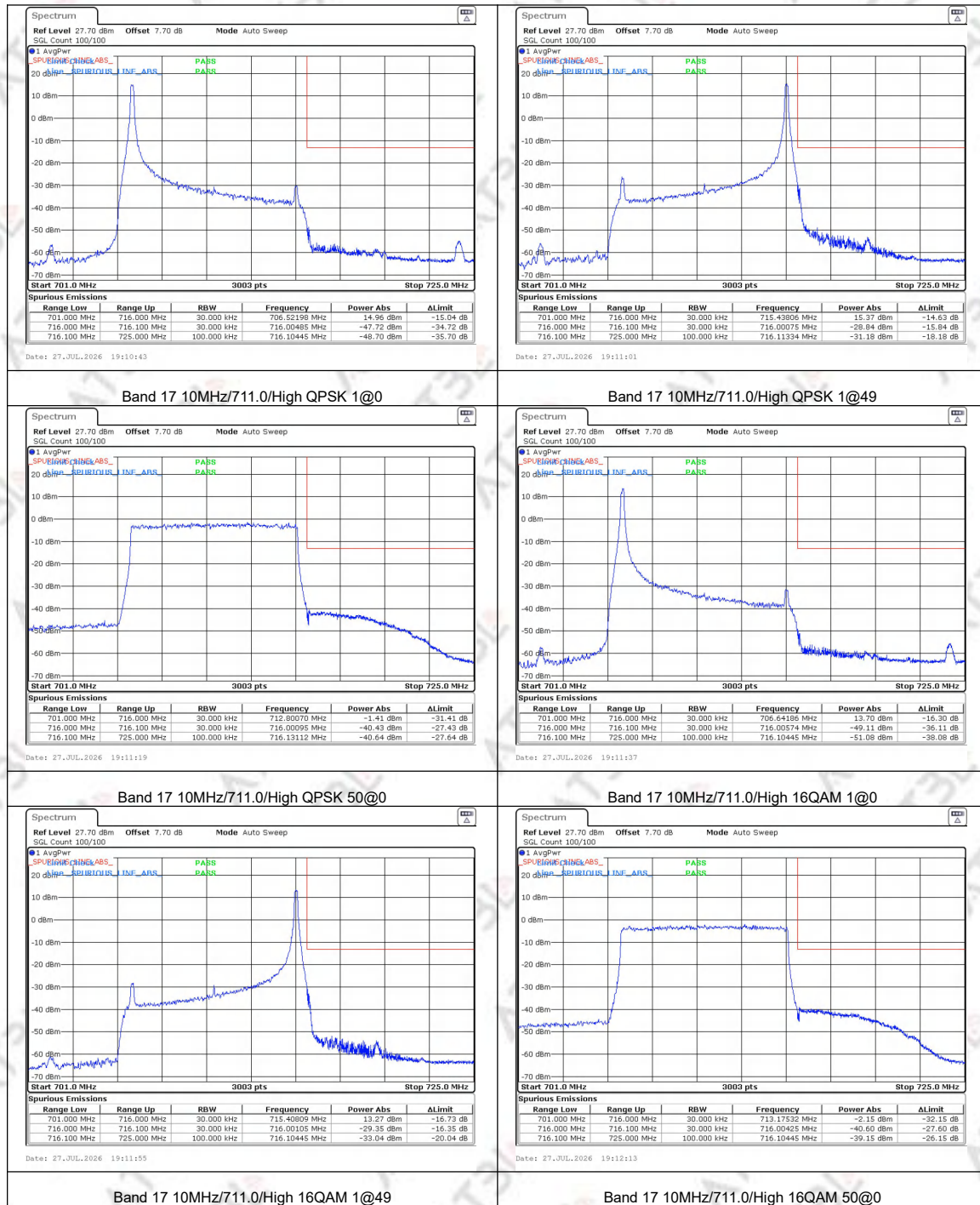






Band 17 10MHz/709.0/Low 16QAM 1@49

Band 17 10MHz/709.0/Low 16QAM 50@0

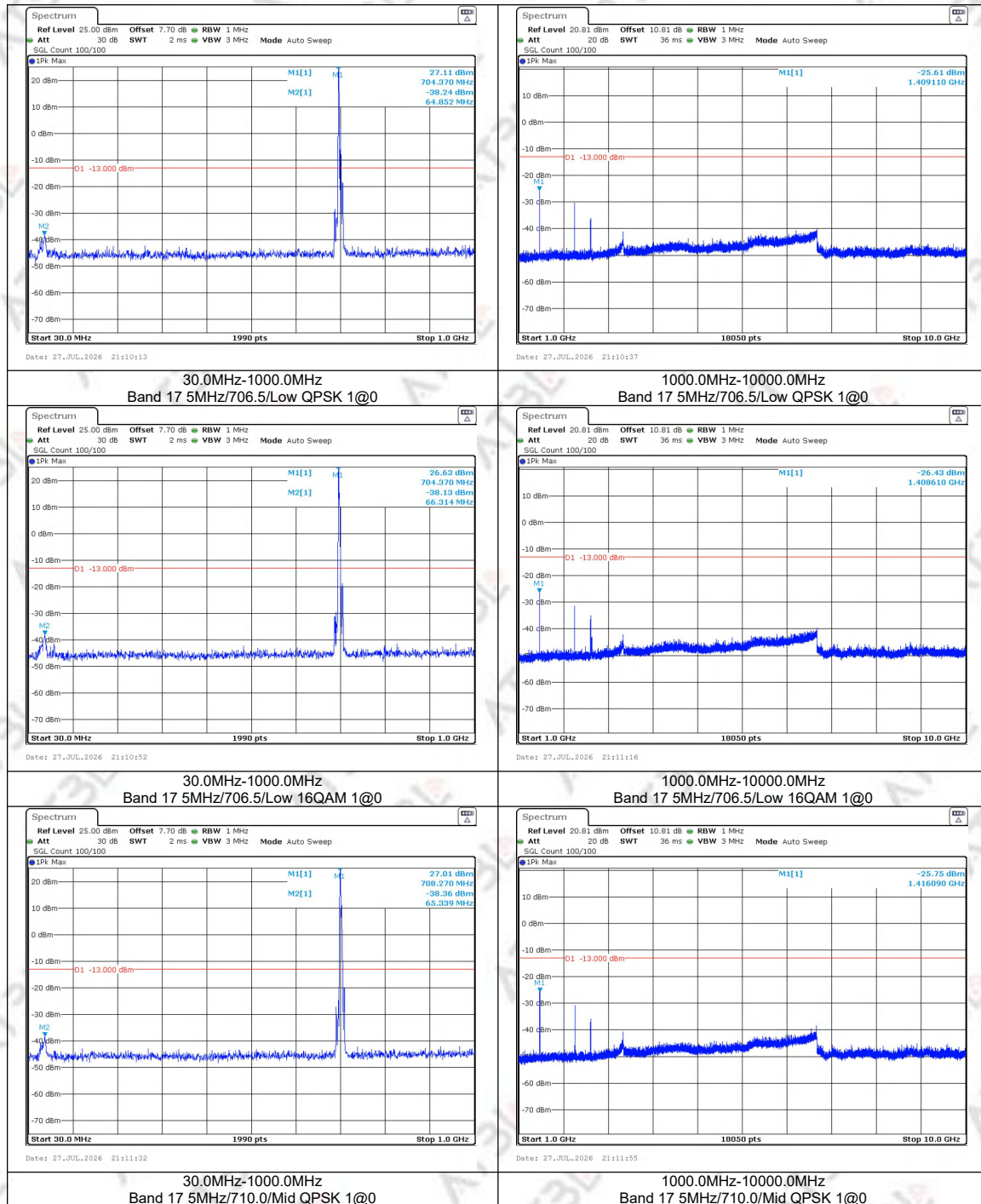


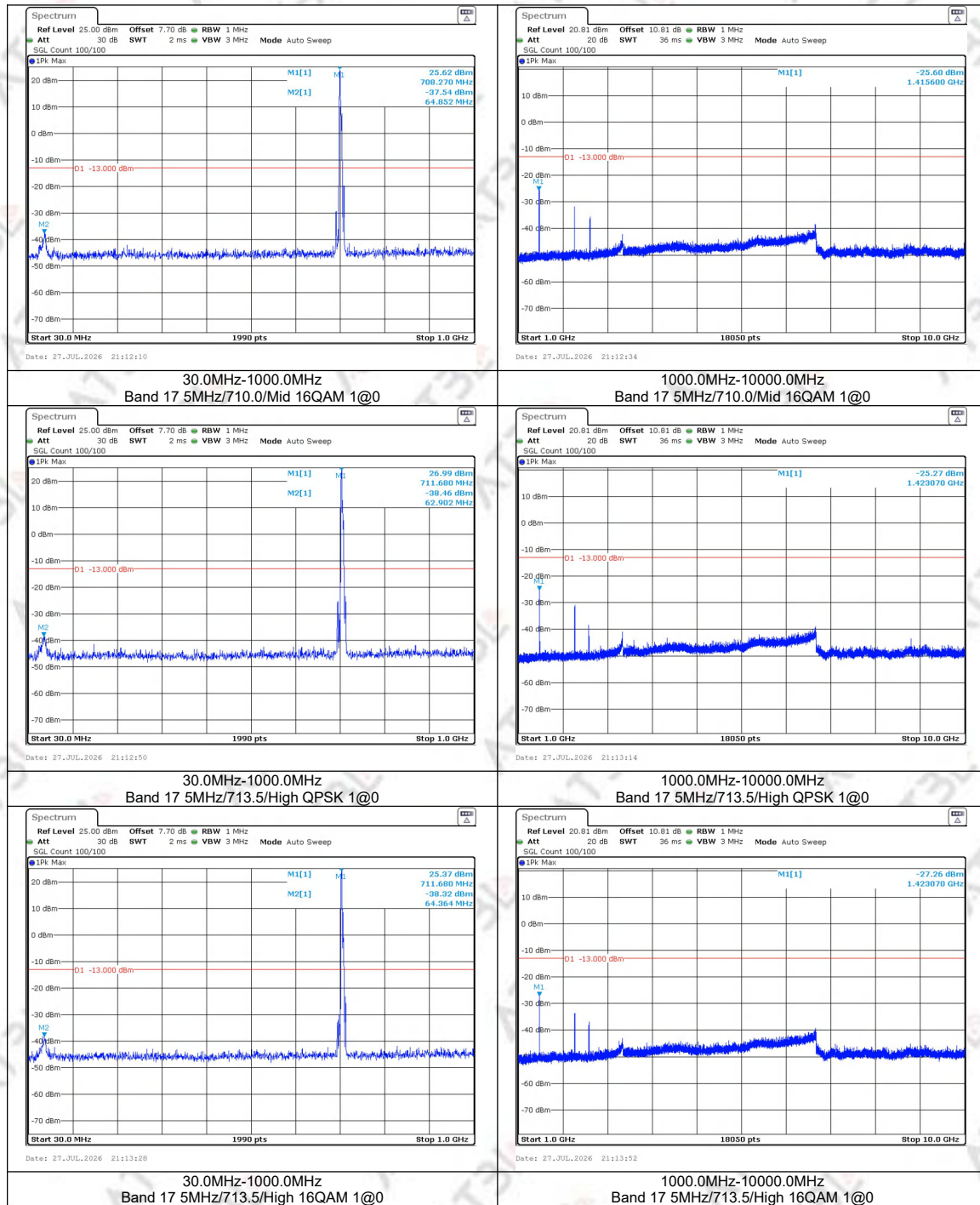
5. Conducted Spurious Emissions

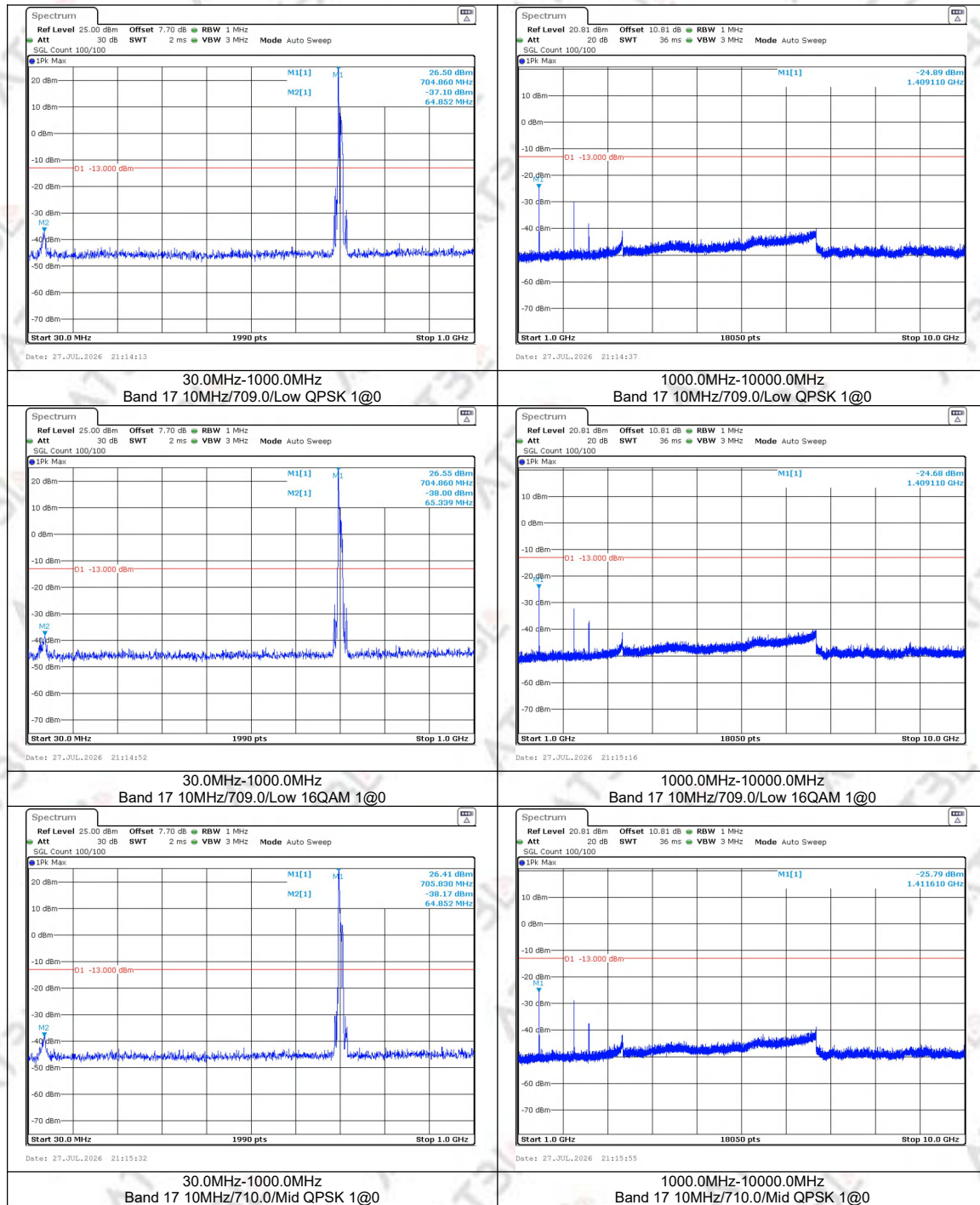
Test Result

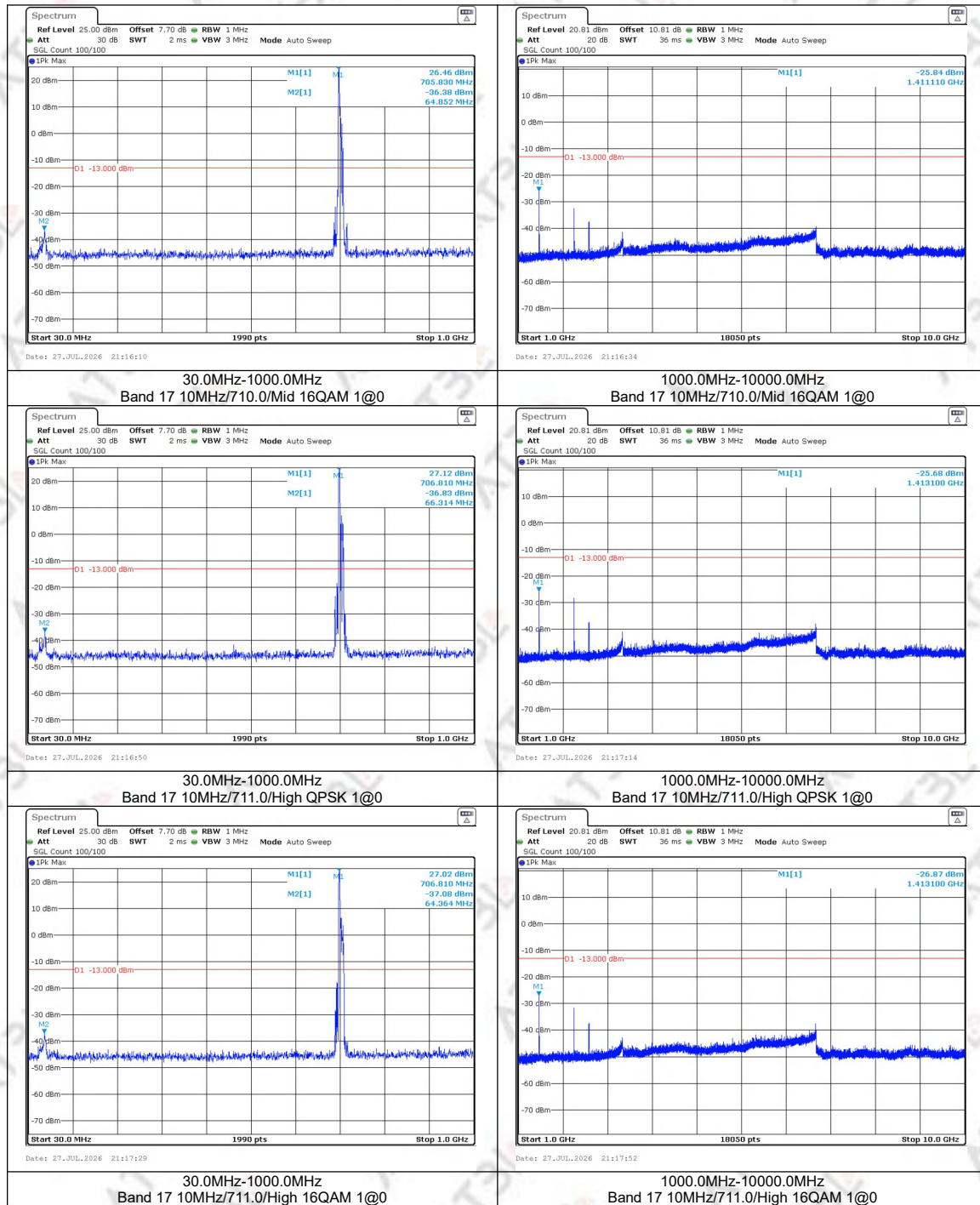
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	StartFreq (MHz)	StopFreq (MHz)	Result (dBm)	Limit (dBm)	Verdict
17	5.0	23755	706.5	QPSK	1@0	30	1000	-38.24	-13	PASS
17	5.0	23755	706.5	QPSK	1@0	1000	10000	-25.61	-13	PASS
17	5.0	23755	706.5	16QAM	1@0	30	1000	-38.13	-13	PASS
17	5.0	23755	706.5	16QAM	1@0	1000	10000	-26.43	-13	PASS
17	5.0	23790	710.0	QPSK	1@0	30	1000	-38.36	-13	PASS
17	5.0	23790	710.0	QPSK	1@0	1000	10000	-25.75	-13	PASS
17	5.0	23790	710.0	16QAM	1@0	30	1000	-37.54	-13	PASS
17	5.0	23790	710.0	16QAM	1@0	1000	10000	-25.6	-13	PASS
17	5.0	23825	713.5	QPSK	1@0	30	1000	-38.46	-13	PASS
17	5.0	23825	713.5	QPSK	1@0	1000	10000	-25.27	-13	PASS
17	5.0	23825	713.5	16QAM	1@0	30	1000	-38.32	-13	PASS
17	5.0	23825	713.5	16QAM	1@0	1000	10000	-27.25	-13	PASS
17	10.0	23780	709.0	QPSK	1@0	30	1000	-37.1	-13	PASS
17	10.0	23780	709.0	QPSK	1@0	1000	10000	-24.89	-13	PASS
17	10.0	23780	709.0	16QAM	1@0	30	1000	-38.0	-13	PASS
17	10.0	23780	709.0	16QAM	1@0	1000	10000	-24.68	-13	PASS
17	10.0	23790	710.0	QPSK	1@0	30	1000	-38.17	-13	PASS
17	10.0	23790	710.0	QPSK	1@0	1000	10000	-25.79	-13	PASS
17	10.0	23790	710.0	16QAM	1@0	30	1000	-36.38	-13	PASS
17	10.0	23790	710.0	16QAM	1@0	1000	10000	-25.84	-13	PASS
17	10.0	23800	711.0	QPSK	1@0	30	1000	-36.83	-13	PASS
17	10.0	23800	711.0	QPSK	1@0	1000	10000	-25.68	-13	PASS
17	10.0	23800	711.0	16QAM	1@0	30	1000	-37.08	-13	PASS
17	10.0	23800	711.0	16QAM	1@0	1000	10000	-26.87	-13	PASS

Test Graphs









6.Frequency Stability-TN/VN

Test Result

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
17	5.0	23755	706.5	QPSK	25@0	-6.74	-0.00954	±2.5	PASS	TN/VN
17	5.0	23755	706.5	16QAM	25@0	-33.83	-0.04789	±2.5	PASS	TN/VN
17	5.0	23790	710.0	QPSK	25@0	-7.25	-0.01022	±2.5	PASS	TN/VN
17	5.0	23790	710.0	16QAM	25@0	-21.44	-0.0302	±2.5	PASS	TN/VN
17	5.0	23825	713.5	QPSK	25@0	-6.72	-0.00942	±2.5	PASS	TN/VN
17	5.0	23825	713.5	16QAM	25@0	-18.05	-0.0253	±2.5	PASS	TN/VN
17	10.0	23780	709.0	QPSK	50@0	-4.41	-0.00621	±2.5	PASS	TN/VN
17	10.0	23780	709.0	16QAM	50@0	-28.75	-0.04055	±2.5	PASS	TN/VN
17	10.0	23790	710.0	QPSK	50@0	-12.09	-0.01703	±2.5	PASS	TN/VN
17	10.0	23790	710.0	16QAM	50@0	-26.84	-0.0378	±2.5	PASS	TN/VN
17	10.0	23800	711.0	QPSK	50@0	-8.14	-0.01145	±2.5	PASS	TN/VN
17	10.0	23800	711.0	16QAM	50@0	-18.04	-0.02537	±2.5	PASS	TN/VN

Frequency Stability-TL/VN

Test Result

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
17	5.0	23755	706.5	QPSK	25@0	-4.71	-0.00666	±2.5	PASS	TL/VN
17	5.0	23755	706.5	16QAM	25@0	-34.07	-0.04823	±2.5	PASS	TL/VN
17	5.0	23790	710.0	QPSK	25@0	-12.07	-0.017	±2.5	PASS	TL/VN
17	5.0	23790	710.0	16QAM	25@0	-21.59	-0.0304	±2.5	PASS	TL/VN
17	5.0	23825	713.5	QPSK	25@0	-3.52	-0.00493	±2.5	PASS	TL/VN
17	5.0	23825	713.5	16QAM	25@0	-16.22	-0.02274	±2.5	PASS	TL/VN
17	10.0	23780	709.0	QPSK	50@0	8.28	0.01168	±2.5	PASS	TL/VN
17	10.0	23780	709.0	16QAM	50@0	-5.19	-0.00732	±2.5	PASS	TL/VN
17	10.0	23790	710.0	QPSK	50@0	-1.62	-0.00228	±2.5	PASS	TL/VN
17	10.0	23790	710.0	16QAM	50@0	-6.08	-0.00856	±2.5	PASS	TL/VN
17	10.0	23800	711.0	QPSK	50@0	-0.73	-0.00103	±2.5	PASS	TL/VN
17	10.0	23800	711.0	16QAM	50@0	-4.84	-0.0068	±2.5	PASS	TL/VN

Frequency Stability-TH/VH

Test Result

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
17	5.0	23755	706.5	QPSK	25@0	-24.1	-0.03412	±2.5	PASS	TH/VH
17	5.0	23755	706.5	16QAM	25@0	-29.43	-0.04165	±2.5	PASS	TH/VH
17	5.0	23790	710.0	QPSK	25@0	-35.32	-0.04975	±2.5	PASS	TH/VH
17	5.0	23790	710.0	16QAM	25@0	-32.87	-0.0463	±2.5	PASS	TH/VH
17	5.0	23825	713.5	QPSK	25@0	-27.89	-0.0391	±2.5	PASS	TH/VH
17	5.0	23825	713.5	16QAM	25@0	-10.03	-0.01405	±2.5	PASS	TH/VH
17	10.0	23780	709.0	QPSK	50@0	14.99	0.02114	±2.5	PASS	TH/VH
17	10.0	23780	709.0	16QAM	50@0	-43.22	-0.06095	±2.5	PASS	TH/VH
17	10.0	23790	710.0	QPSK	50@0	-26.62	-0.0375	±2.5	PASS	TH/VH
17	10.0	23790	710.0	16QAM	50@0	-26.26	-0.03699	±2.5	PASS	TH/VH
17	10.0	23800	711.0	QPSK	50@0	-21.24	-0.02988	±2.5	PASS	TH/VH
17	10.0	23800	711.0	16QAM	50@0	-41.87	-0.05889	±2.5	PASS	TH/VH

Frequency Stability-TH/VL

Test Result

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
17	5.0	23755	706.5	QPSK	25@0	-10.17	-0.0144	±2.5	PASS	TH/VL
17	5.0	23755	706.5	16QAM	25@0	-32.87	-0.04653	±2.5	PASS	TH/VL
17	5.0	23790	710.0	QPSK	25@0	-6.58	-0.00927	±2.5	PASS	TH/VL
17	5.0	23790	710.0	16QAM	25@0	-11.3	-0.01592	±2.5	PASS	TH/VL
17	5.0	23825	713.5	QPSK	25@0	-0.7	-0.00098	±2.5	PASS	TH/VL
17	5.0	23825	713.5	16QAM	25@0	-11.63	-0.0163	±2.5	PASS	TH/VL
17	10.0	23780	709.0	QPSK	50@0	17.87	0.0252	±2.5	PASS	TH/VL
17	10.0	23780	709.0	16QAM	50@0	-14.92	-0.02104	±2.5	PASS	TH/VL
17	10.0	23790	710.0	QPSK	50@0	-18.35	-0.02585	±2.5	PASS	TH/VL
17	10.0	23790	710.0	16QAM	50@0	-36.15	-0.05091	±2.5	PASS	TH/VL
17	10.0	23800	711.0	QPSK	50@0	-3.6	-0.00507	±2.5	PASS	TH/VL
17	10.0	23800	711.0	16QAM	50@0	-17.25	-0.02426	±2.5	PASS	TH/VL

Frequency Stability-TH/VN

Test Result

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
17	5.0	23755	706.5	QPSK	25@0	-15.52	-0.02197	±2.5	PASS	TH/VN
17	5.0	23755	706.5	16QAM	25@0	-41.38	-0.05858	±2.5	PASS	TH/VN
17	5.0	23790	710.0	QPSK	25@0	-11.36	-0.016	±2.5	PASS	TH/VN
17	5.0	23790	710.0	16QAM	25@0	-22.43	-0.03159	±2.5	PASS	TH/VN
17	5.0	23825	713.5	QPSK	25@0	-3.85	-0.00539	±2.5	PASS	TH/VN
17	5.0	23825	713.5	16QAM	25@0	-9.47	-0.01327	±2.5	PASS	TH/VN
17	10.0	23780	709.0	QPSK	50@0	17.71	0.02498	±2.5	PASS	TH/VN
17	10.0	23780	709.0	16QAM	50@0	-30.27	-0.04269	±2.5	PASS	TH/VN
17	10.0	23790	710.0	QPSK	50@0	-28.65	-0.04036	±2.5	PASS	TH/VN
17	10.0	23790	710.0	16QAM	50@0	-11.29	-0.0159	±2.5	PASS	TH/VN
17	10.0	23800	711.0	QPSK	50@0	-18.88	-0.02656	±2.5	PASS	TH/VN
17	10.0	23800	711.0	16QAM	50@0	-38.94	-0.05477	±2.5	PASS	TH/VN

Frequency Stability-TL/VH

Test Result

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
17	5.0	23755	706.5	QPSK	25@0	-11.24	-0.01591	±2.5	PASS	TL/VH
17	5.0	23755	706.5	16QAM	25@0	-37.57	-0.05317	±2.5	PASS	TL/VH
17	5.0	23790	710.0	QPSK	25@0	-13.07	-0.01842	±2.5	PASS	TL/VH
17	5.0	23790	710.0	16QAM	25@0	-20.06	-0.02825	±2.5	PASS	TL/VH
17	5.0	23825	713.5	QPSK	25@0	-0.62	-0.00086	±2.5	PASS	TL/VH
17	5.0	23825	713.5	16QAM	25@0	-7.22	-0.01012	±2.5	PASS	TL/VH
17	10.0	23780	709.0	QPSK	50@0	9.93	0.014	±2.5	PASS	TL/VH
17	10.0	23780	709.0	16QAM	50@0	-13.06	-0.01842	±2.5	PASS	TL/VH
17	10.0	23790	710.0	QPSK	50@0	-5.98	-0.00842	±2.5	PASS	TL/VH
17	10.0	23790	710.0	16QAM	50@0	-18.84	-0.02653	±2.5	PASS	TL/VH
17	10.0	23800	711.0	QPSK	50@0	-5.59	-0.00787	±2.5	PASS	TL/VH
17	10.0	23800	711.0	16QAM	50@0	-13.46	-0.01893	±2.5	PASS	TL/VH

Frequency Stability-TL/VL

Test Result

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
17	10.0	23780	709.0	QPSK	50@0	-6.39	-0.00902	±2.5	PASS	TL/VL
17	10.0	23780	709.0	16QAM	50@0	-24.76	-0.03493	±2.5	PASS	TL/VL
17	10.0	23790	710.0	QPSK	50@0	-7.14	-0.01005	±2.5	PASS	TL/VL
17	10.0	23790	710.0	16QAM	50@0	-19.8	-0.02788	±2.5	PASS	TL/VL
17	10.0	23800	711.0	QPSK	50@0	1.14	0.00161	±2.5	PASS	TL/VL
17	10.0	23800	711.0	16QAM	50@0	-6.47	-0.00909	±2.5	PASS	TL/VL

Frequency Stability-TN/VH

Test Result

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
17	5.0	23755	706.5	QPSK	25@0	-10.33	-0.01462	±2.5	PASS	TN/VH
17	5.0	23755	706.5	16QAM	25@0	-39.21	-0.0555	±2.5	PASS	TN/VH
17	5.0	23790	710.0	QPSK	25@0	-15.28	-0.02152	±2.5	PASS	TN/VH
17	5.0	23790	710.0	16QAM	25@0	-28.48	-0.04011	±2.5	PASS	TN/VH
17	5.0	23825	713.5	QPSK	25@0	-6.55	-0.00918	±2.5	PASS	TN/VH
17	5.0	23825	713.5	16QAM	25@0	-14.49	-0.02031	±2.5	PASS	TN/VH
17	10.0	23780	709.0	QPSK	50@0	11.09	0.01564	±2.5	PASS	TN/VH
17	10.0	23780	709.0	16QAM	50@0	-12.63	-0.01782	±2.5	PASS	TN/VH
17	10.0	23790	710.0	QPSK	50@0	-14.13	-0.01991	±2.5	PASS	TN/VH
17	10.0	23790	710.0	16QAM	50@0	-30.24	-0.04259	±2.5	PASS	TN/VH
17	10.0	23800	711.0	QPSK	50@0	-11.39	-0.01602	±2.5	PASS	TN/VH
17	10.0	23800	711.0	16QAM	50@0	-22.24	-0.03129	±2.5	PASS	TN/VH

Frequency Stability-TN/VL

Test Result

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
17	5.0	23755	706.5	QPSK	25@0	-23.88	-0.03379	±2.5	PASS	TN/VL
17	5.0	23755	706.5	16QAM	25@0	-22.95	-0.03248	±2.5	PASS	TN/VL
17	5.0	23790	710.0	QPSK	25@0	-16.48	-0.02321	±2.5	PASS	TN/VL
17	5.0	23790	710.0	16QAM	25@0	-35.48	-0.04997	±2.5	PASS	TN/VL
17	5.0	23825	713.5	QPSK	25@0	-13.88	-0.01945	±2.5	PASS	TN/VL
17	5.0	23825	713.5	16QAM	25@0	-23.13	-0.03242	±2.5	PASS	TN/VL
17	10.0	23780	709.0	QPSK	50@0	13.86	0.01955	±2.5	PASS	TN/VL
17	10.0	23780	709.0	16QAM	50@0	-15.01	-0.02117	±2.5	PASS	TN/VL
17	10.0	23790	710.0	QPSK	50@0	-18.63	-0.02623	±2.5	PASS	TN/VL
17	10.0	23790	710.0	16QAM	50@0	-39.37	-0.05545	±2.5	PASS	TN/VL
17	10.0	23800	711.0	QPSK	50@0	-8.27	-0.01163	±2.5	PASS	TN/VL
17	10.0	23800	711.0	16QAM	50@0	-19.74	-0.02777	±2.5	PASS	TN/VL

7.Modulation Characteristics

Test Result

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Verdict
17	5.0	23755	706.5	QPSK	25@0	PASS
17	5.0	23755	706.5	16QAM	25@0	PASS
17	5.0	23790	710.0	QPSK	25@0	PASS
17	5.0	23790	710.0	16QAM	25@0	PASS
17	5.0	23825	713.5	QPSK	25@0	PASS
17	5.0	23825	713.5	16QAM	25@0	PASS
17	10.0	23780	709.0	QPSK	50@0	PASS
17	10.0	23780	709.0	16QAM	50@0	PASS
17	10.0	23790	710.0	QPSK	50@0	PASS
17	10.0	23790	710.0	16QAM	50@0	PASS
17	10.0	23800	711.0	QPSK	50@0	PASS
17	10.0	23800	711.0	16QAM	50@0	PASS

Test Graphs

