

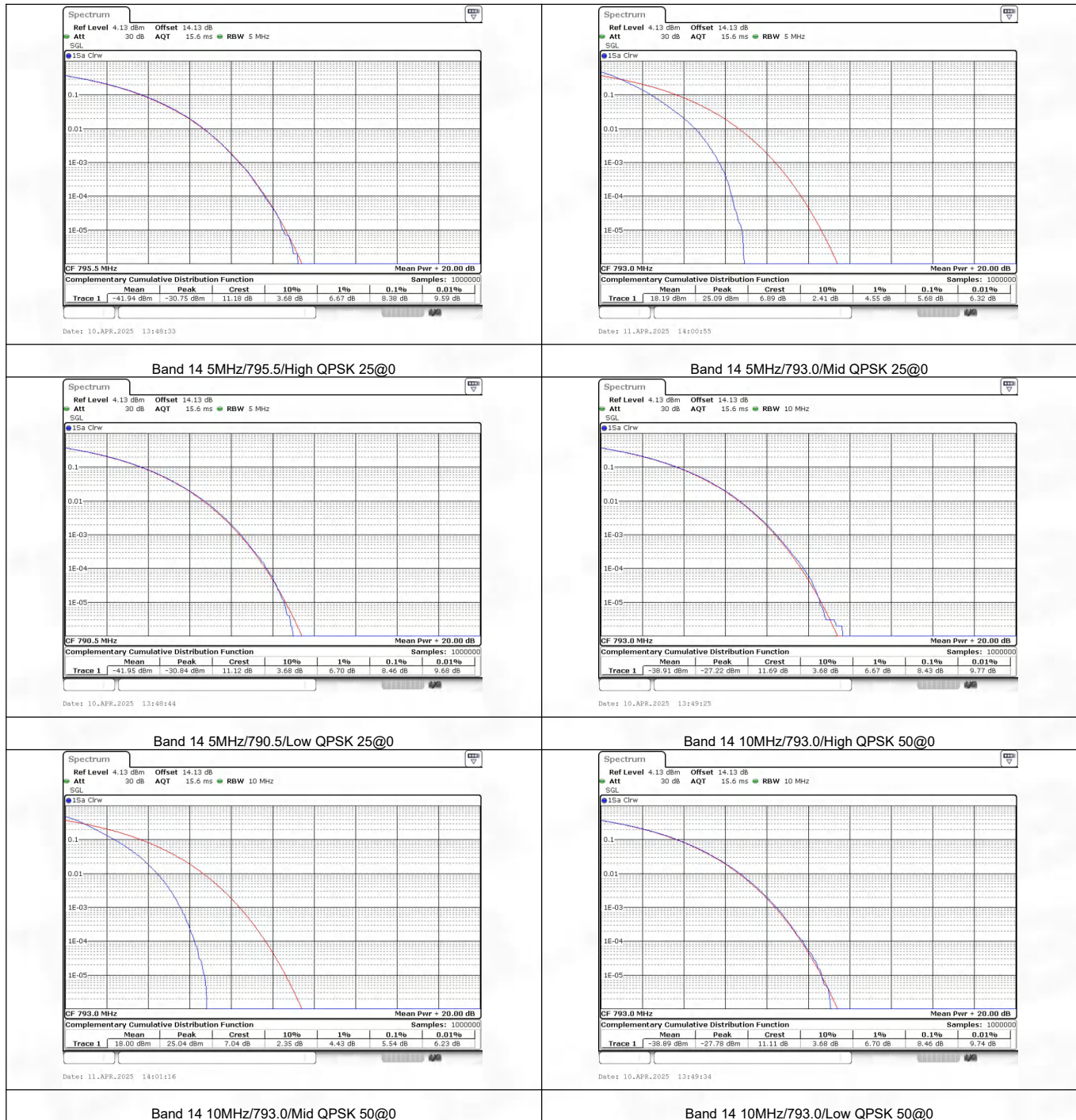
Appendix - LTE

1_Transmitter Conducted Output Power And ERP/EIRP

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP(Limit) (dBm)	Verdict
14	5.0	23355	795.5	QPSK	1@0	23.92	17.55	38.45	PASS
14	5.0	23355	795.5	QPSK	1@12	24.11	17.74	38.45	PASS
14	5.0	23355	795.5	QPSK	1@24	23.84	17.47	38.45	PASS
14	5.0	23355	795.5	QPSK	12@0	22.69	16.32	38.45	PASS
14	5.0	23355	795.5	QPSK	12@6	22.65	16.28	38.45	PASS
14	5.0	23355	795.5	QPSK	12@11	22.6	16.23	38.45	PASS
14	5.0	23355	795.5	QPSK	25@0	22.62	16.25	38.45	PASS
14	5.0	23330	793.0	QPSK	1@0	23.63	17.26	38.45	PASS
14	5.0	23330	793.0	QPSK	1@12	23.7	17.33	38.45	PASS
14	5.0	23330	793.0	QPSK	1@24	23.91	17.54	38.45	PASS
14	5.0	23330	793.0	QPSK	12@0	22.44	16.07	38.45	PASS
14	5.0	23330	793.0	QPSK	12@6	22.41	16.04	38.45	PASS
14	5.0	23330	793.0	QPSK	12@11	22.39	16.02	38.45	PASS
14	5.0	23330	793.0	QPSK	25@0	22.6	16.23	38.45	PASS
14	5.0	23305	790.5	QPSK	1@0	23.32	16.95	38.45	PASS
14	5.0	23305	790.5	QPSK	1@12	23.2	16.83	38.45	PASS
14	5.0	23305	790.5	QPSK	1@24	23.33	16.96	38.45	PASS
14	5.0	23305	790.5	QPSK	12@0	21.82	15.45	38.45	PASS
14	5.0	23305	790.5	QPSK	12@6	21.81	15.44	38.45	PASS
14	5.0	23305	790.5	QPSK	12@11	21.79	15.42	38.45	PASS
14	5.0	23305	790.5	QPSK	25@0	21.8	15.43	38.45	PASS
14	10.0	23330	793.0	QPSK	1@0	23.56	17.19	38.45	PASS
14	10.0	23330	793.0	QPSK	1@24	23.51	17.14	38.45	PASS
14	10.0	23330	793.0	QPSK	1@49	23.8	17.43	38.45	PASS
14	10.0	23330	793.0	QPSK	25@0	22.24	15.87	38.45	PASS
14	10.0	23330	793.0	QPSK	25@12	22.22	15.85	38.45	PASS
14	10.0	23330	793.0	QPSK	25@24	22.21	15.84	38.45	PASS
14	10.0	23330	793.0	QPSK	50@0	22.41	16.04	38.45	PASS
14	10.0	23330	793.0	QPSK	1@0	23.53	17.16	38.45	PASS
14	10.0	23330	793.0	QPSK	1@24	23.54	17.17	38.45	PASS
14	10.0	23330	793.0	QPSK	1@49	23.66	17.29	38.45	PASS
14	10.0	23330	793.0	QPSK	25@0	22.09	15.72	38.45	PASS
14	10.0	23330	793.0	QPSK	25@12	22.07	15.7	38.45	PASS
14	10.0	23330	793.0	QPSK	25@24	22.05	15.68	38.45	PASS
14	10.0	23330	793.0	QPSK	50@0	22.19	15.82	38.45	PASS
14	10.0	23330	793.0	QPSK	1@0	23.7	17.33	38.45	PASS
14	10.0	23330	793.0	QPSK	1@24	23.67	17.3	38.45	PASS
14	10.0	23330	793.0	QPSK	1@49	23.76	17.39	38.45	PASS
14	10.0	23330	793.0	QPSK	25@0	22.1	15.73	38.45	PASS
14	10.0	23330	793.0	QPSK	25@12	22.07	15.7	38.45	PASS
14	10.0	23330	793.0	QPSK	25@24	22.04	15.67	38.45	PASS
14	10.0	23330	793.0	QPSK	50@0	22.14	15.77	38.45	PASS

2_Peak to Average Ratio

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
14	5.0	23355	795.5	QPSK	25@0	8.38	13	PASS
14	5.0	23330	793.0	QPSK	25@0	5.68	13	PASS
14	5.0	23305	790.5	QPSK	25@0	8.46	13	PASS
14	10.0	23330	793.0	QPSK	50@0	8.43	13	PASS
14	10.0	23330	793.0	QPSK	50@0	5.54	13	PASS
14	10.0	23330	793.0	QPSK	50@0	8.46	13	PASS



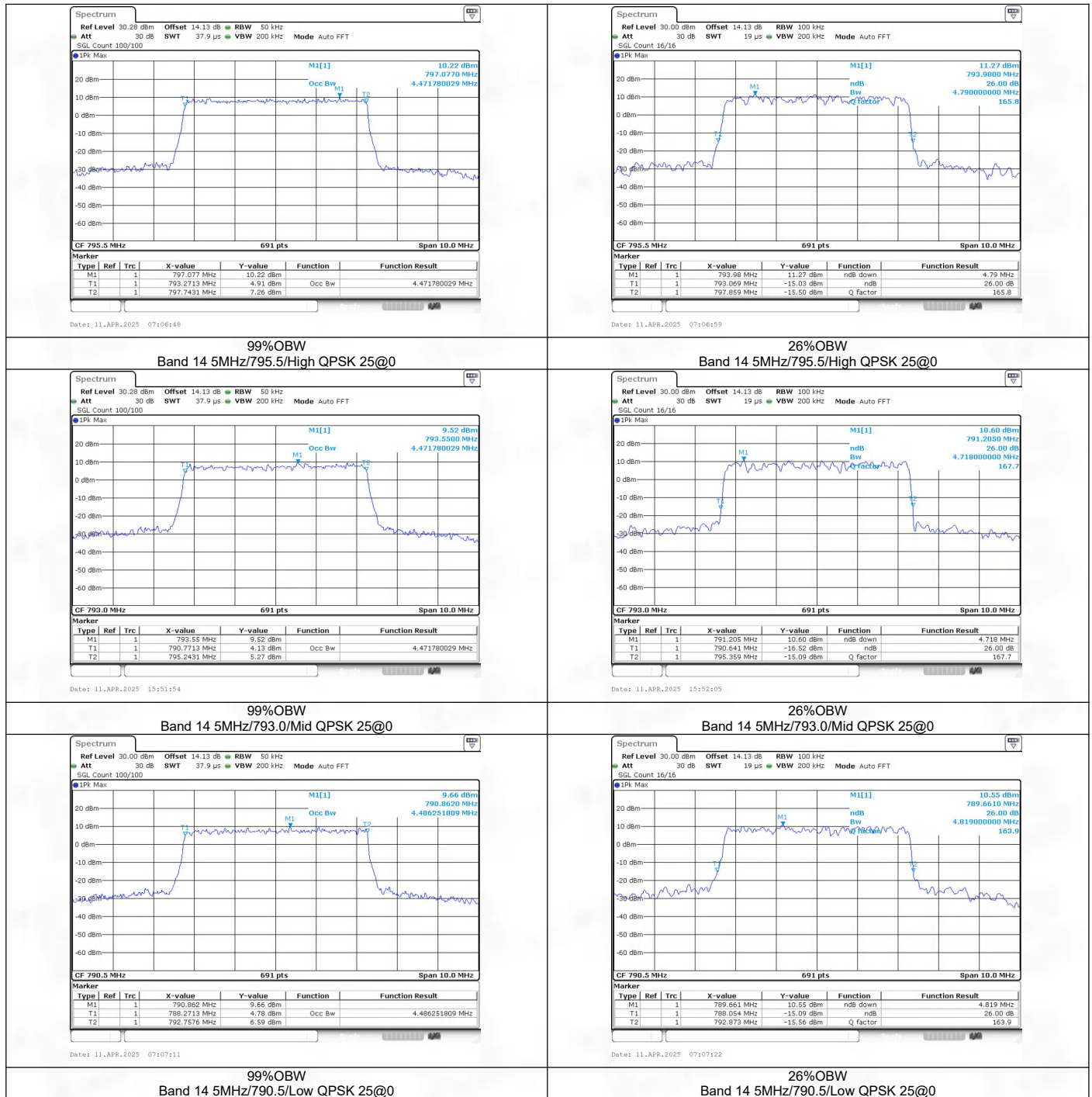
3_Frequency Stability

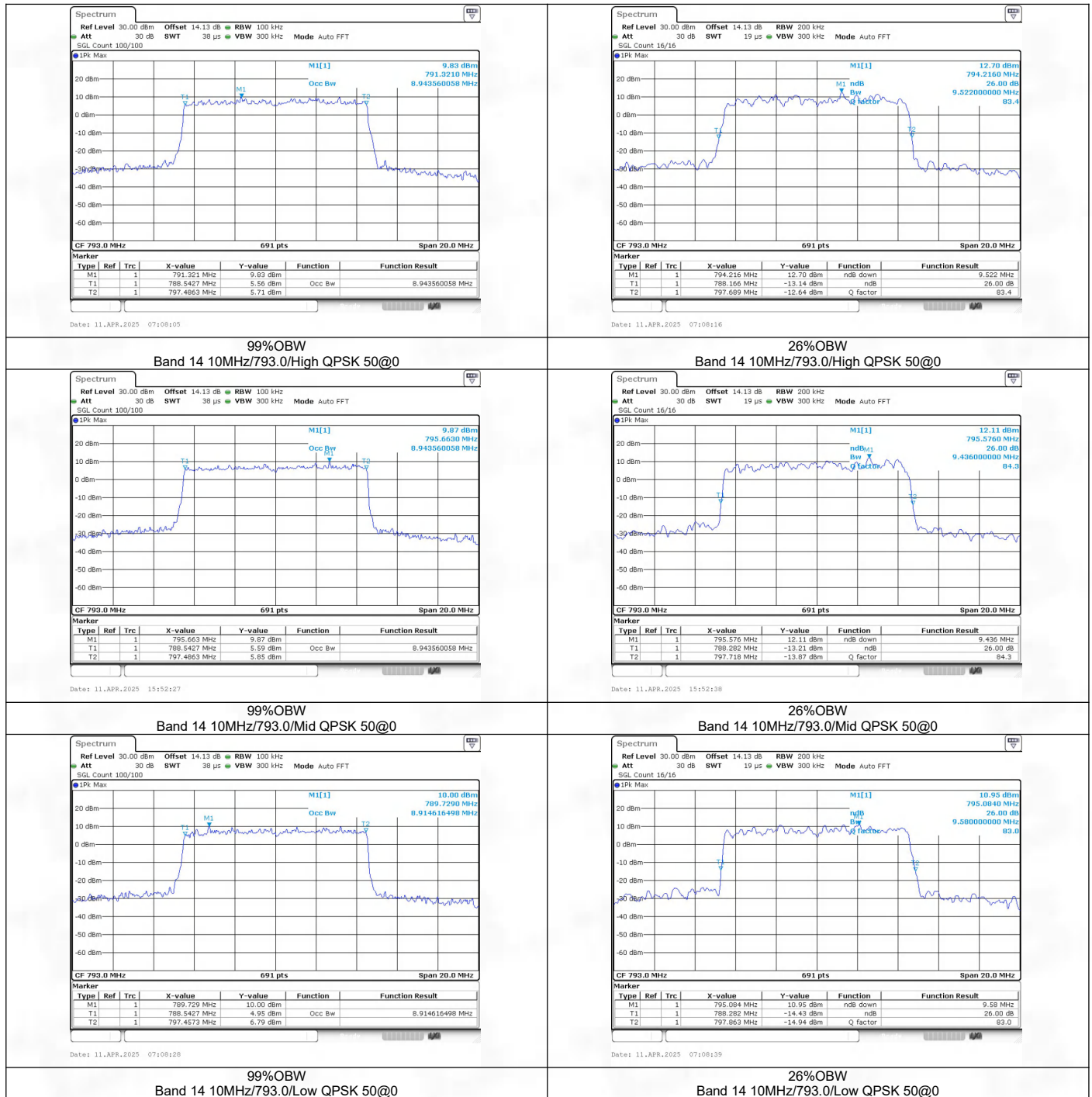
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
14	5.0	23355	795.5	QPSK	25@0	23.43	0.02964	±2.5	PASS	Vibration
14	5.0	23355	795.5	QPSK	25@0	19.96	0.02524	±2.5	PASS	Humidity
14	5.0	23355	795.5	QPSK	25@0	-24.43	-0.03071	±2.5	PASS	VL
14	5.0	23355	795.5	QPSK	25@0	-29.73	-0.03737	±2.5	PASS	VN
14	5.0	23355	795.5	QPSK	25@0	-18.57	-0.02334	±2.5	PASS	VH
14	5.0	23355	795.5	QPSK	25@0	-26.24	-0.03298	±2.5	PASS	-30℃
14	5.0	23355	795.5	QPSK	25@0	-18.6	-0.02338	±2.5	PASS	-20℃
14	5.0	23355	795.5	QPSK	25@0	-16.74	-0.02104	±2.5	PASS	-10℃
14	5.0	23355	795.5	QPSK	25@0	-29.08	-0.03656	±2.5	PASS	0℃
14	5.0	23355	795.5	QPSK	25@0	-25.48	-0.03203	±2.5	PASS	10℃
14	5.0	23355	795.5	QPSK	25@0	-30.66	-0.03854	±2.5	PASS	20℃
14	5.0	23355	795.5	QPSK	25@0	-26.68	-0.03354	±2.5	PASS	30℃
14	5.0	23355	795.5	QPSK	25@0	-8.14	-0.01023	±2.5	PASS	40℃
14	5.0	23355	795.5	QPSK	25@0	-7.81	-0.00982	±2.5	PASS	50℃
14	5.0	23330	793.0	QPSK	25@0	27.78	0.03503	±2.5	PASS	Vibration
14	5.0	23330	793.0	QPSK	25@0	9.41	0.01187	±2.5	PASS	Humidity
14	5.0	23330	793.0	QPSK	25@0	-6.88	-0.00868	±2.5	PASS	VL
14	5.0	23330	793.0	QPSK	25@0	7.64	0.00963	±2.5	PASS	VN
14	5.0	23330	793.0	QPSK	25@0	-10.96	-0.01382	±2.5	PASS	VH
14	5.0	23330	793.0	QPSK	25@0	-24.06	-0.03034	±2.5	PASS	-30℃
14	5.0	23330	793.0	QPSK	25@0	-13.29	-0.01676	±2.5	PASS	-20℃
14	5.0	23330	793.0	QPSK	25@0	-11.92	-0.01503	±2.5	PASS	-10℃
14	5.0	23330	793.0	QPSK	25@0	-9.24	-0.01165	±2.5	PASS	0℃
14	5.0	23330	793.0	QPSK	25@0	-5.64	-0.00711	±2.5	PASS	10℃
14	5.0	23330	793.0	QPSK	25@0	1.2	0.00152	±2.5	PASS	20℃
14	5.0	23330	793.0	QPSK	25@0	9.78	0.01234	±2.5	PASS	30℃
14	5.0	23330	793.0	QPSK	25@0	20.74	0.02616	±2.5	PASS	40℃
14	5.0	23330	793.0	QPSK	25@0	29.65	0.0374	±2.5	PASS	50℃
14	5.0	23305	790.5	QPSK	25@0	-2.15	-0.00302	±2.5	PASS	Vibration
14	5.0	23305	790.5	QPSK	25@0	19.11	0.02688	±2.5	PASS	Humidity
14	5.0	23305	790.5	QPSK	25@0	-20.2	-0.02555	±2.5	PASS	VL
14	5.0	23305	790.5	QPSK	25@0	9.16	0.01158	±2.5	PASS	VN
14	5.0	23305	790.5	QPSK	25@0	18.67	0.02362	±2.5	PASS	VH
14	5.0	23305	790.5	QPSK	25@0	32.29	0.04084	±2.5	PASS	-30℃
14	5.0	23305	790.5	QPSK	25@0	24.68	0.03122	±2.5	PASS	-20℃
14	5.0	23305	790.5	QPSK	25@0	25.01	0.03163	±2.5	PASS	-10℃
14	5.0	23305	790.5	QPSK	25@0	18.64	0.02358	±2.5	PASS	0℃
14	5.0	23305	790.5	QPSK	25@0	9.54	0.01207	±2.5	PASS	10℃
14	5.0	23305	790.5	QPSK	25@0	19.0	0.02403	±2.5	PASS	20℃
14	5.0	23305	790.5	QPSK	25@0	25.41	0.03214	±2.5	PASS	30℃
14	5.0	23305	790.5	QPSK	25@0	12.56	0.01589	±2.5	PASS	40℃
14	5.0	23305	790.5	QPSK	25@0	7.57	0.00957	±2.5	PASS	50℃
14	10.0	23330	793.0	QPSK	50@0	17.87	0.02253	±2.5	PASS	Vibration
14	10.0	23330	793.0	QPSK	50@0	27.19	0.03429	±2.5	PASS	Humidity
14	10.0	23330	793.0	QPSK	50@0	-23.1	-0.02913	±2.5	PASS	VL
14	10.0	23330	793.0	QPSK	50@0	-22.95	-0.02893	±2.5	PASS	VN
14	10.0	23330	793.0	QPSK	50@0	-22.07	-0.02783	±2.5	PASS	VH
14	10.0	23330	793.0	QPSK	50@0	-8.96	-0.01129	±2.5	PASS	-30℃
14	10.0	23330	793.0	QPSK	50@0	-17.34	-0.02186	±2.5	PASS	-20℃
14	10.0	23330	793.0	QPSK	50@0	-12.85	-0.0162	±2.5	PASS	-10℃
14	10.0	23330	793.0	QPSK	50@0	-19.78	-0.02495	±2.5	PASS	0℃
14	10.0	23330	793.0	QPSK	50@0	-19.86	-0.02504	±2.5	PASS	10℃
14	10.0	23330	793.0	QPSK	50@0	-16.55	-0.02087	±2.5	PASS	20℃
14	10.0	23330	793.0	QPSK	50@0	-6.21	-0.00783	±2.5	PASS	30℃
14	10.0	23330	793.0	QPSK	50@0	1.17	0.00148	±2.5	PASS	40℃
14	10.0	23330	793.0	QPSK	50@0	10.2	0.01286	±2.5	PASS	50℃
14	10.0	23330	793.0	QPSK	50@0	29.03	0.0366	±2.5	PASS	Vibration
14	10.0	23330	793.0	QPSK	50@0	33.2	0.04187	±2.5	PASS	Humidity
14	10.0	23330	793.0	QPSK	50@0	-24.13	-0.03043	±2.5	PASS	VL
14	10.0	23330	793.0	QPSK	50@0	31.0	0.03909	±2.5	PASS	VN
14	10.0	23330	793.0	QPSK	50@0	25.58	0.03225	±2.5	PASS	VH
14	10.0	23330	793.0	QPSK	50@0	13.73	0.01732	±2.5	PASS	-30℃
14	10.0	23330	793.0	QPSK	50@0	29.54	0.03725	±2.5	PASS	-20℃
14	10.0	23330	793.0	QPSK	50@0	28.61	0.03608	±2.5	PASS	-10℃
14	10.0	23330	793.0	QPSK	50@0	28.3	0.03568	±2.5	PASS	0℃
14	10.0	23330	793.0	QPSK	50@0	29.58	0.03731	±2.5	PASS	10℃
14	10.0	23330	793.0	QPSK	50@0	22.44	0.0283	±2.5	PASS	20℃
14	10.0	23330	793.0	QPSK	50@0	9.03	0.01138	±2.5	PASS	30℃
14	10.0	23330	793.0	QPSK	50@0	16.47	0.02076	±2.5	PASS	40℃
14	10.0	23330	793.0	QPSK	50@0	-16.25	-0.02049	±2.5	PASS	50℃
14	10.0	23330	793.0	QPSK	50@0	13.46	0.01697	±2.5	PASS	Vibration
14	10.0	23330	793.0	QPSK	50@0	8.21	0.01035	±2.5	PASS	Humidity

14	10.0	23330	793.0	QPSK	50@0	17.97	0.02266	±2.5	PASS	VL
14	10.0	23330	793.0	QPSK	50@0	22.75	0.02868	±2.5	PASS	VN
14	10.0	23330	793.0	QPSK	50@0	28.35	0.03575	±2.5	PASS	VH
14	10.0	23330	793.0	QPSK	50@0	13.78	0.01737	±2.5	PASS	-30℃
14	10.0	23330	793.0	QPSK	50@0	-10.07	-0.0127	±2.5	PASS	-20℃
14	10.0	23330	793.0	QPSK	50@0	25.63	0.03233	±2.5	PASS	-10℃
14	10.0	23330	793.0	QPSK	50@0	26.12	0.03294	±2.5	PASS	0℃
14	10.0	23330	793.0	QPSK	50@0	23.89	0.03013	±2.5	PASS	10℃
14	10.0	23330	793.0	QPSK	50@0	16.01	0.02019	±2.5	PASS	20℃
14	10.0	23330	793.0	QPSK	50@0	29.47	0.03716	±2.5	PASS	30℃
14	10.0	23330	793.0	QPSK	50@0	6.41	0.00808	±2.5	PASS	40℃
14	10.0	23330	793.0	QPSK	50@0	8.64	0.0109	±2.5	PASS	50℃

4_Occupied Bandwidth

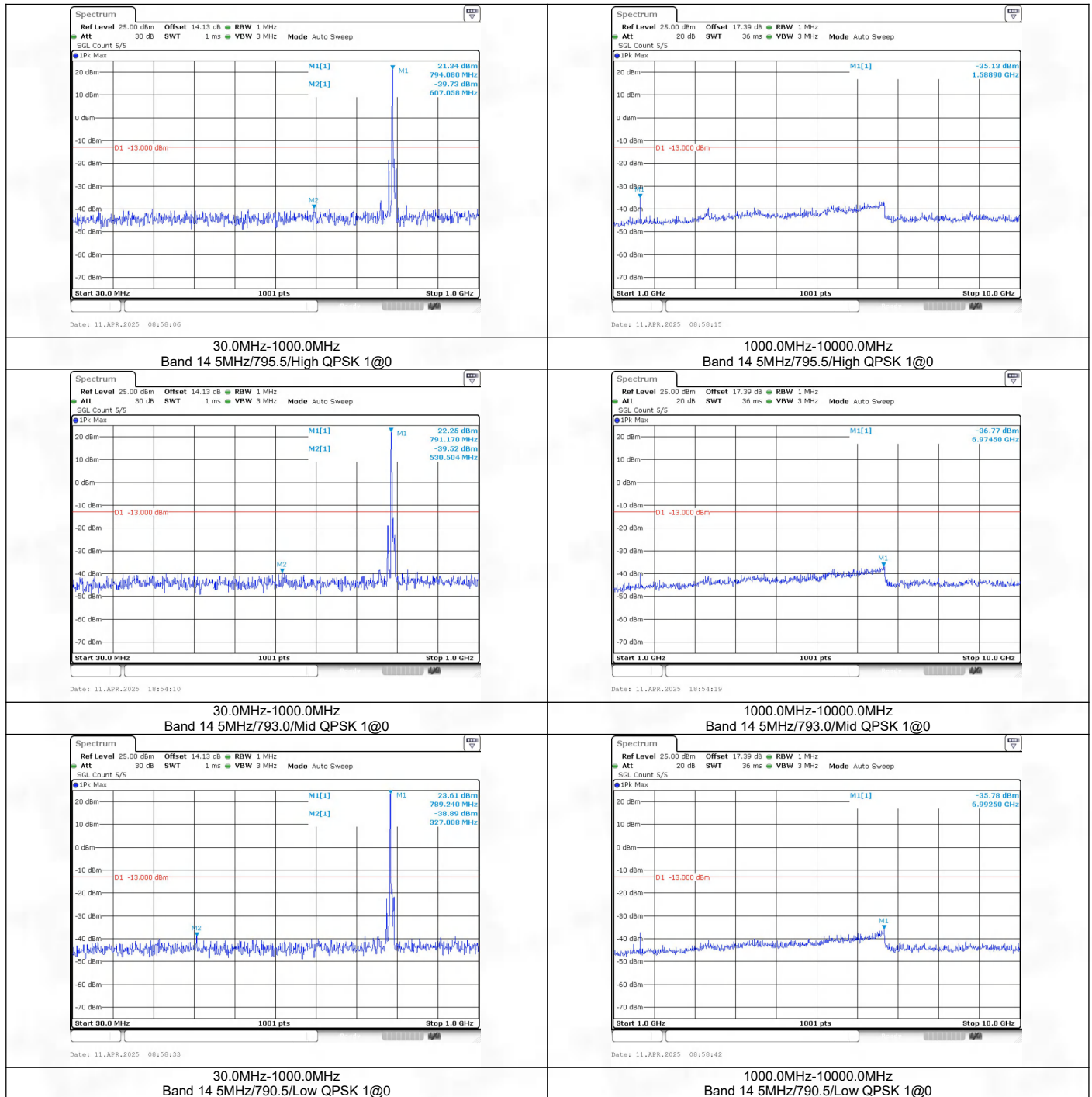
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)	Verdict
14	5.0	23355	795.5	QPSK	25@0	4.4718	4.790	PASS
14	5.0	23330	793.0	QPSK	25@0	4.4718	4.718	PASS
14	5.0	23305	790.5	QPSK	25@0	4.4863	4.819	PASS
14	10.0	23330	793.0	QPSK	50@0	8.9436	9.522	PASS
14	10.0	23330	793.0	QPSK	50@0	8.9436	9.436	PASS
14	10.0	23330	793.0	QPSK	50@0	8.9146	9.580	PASS

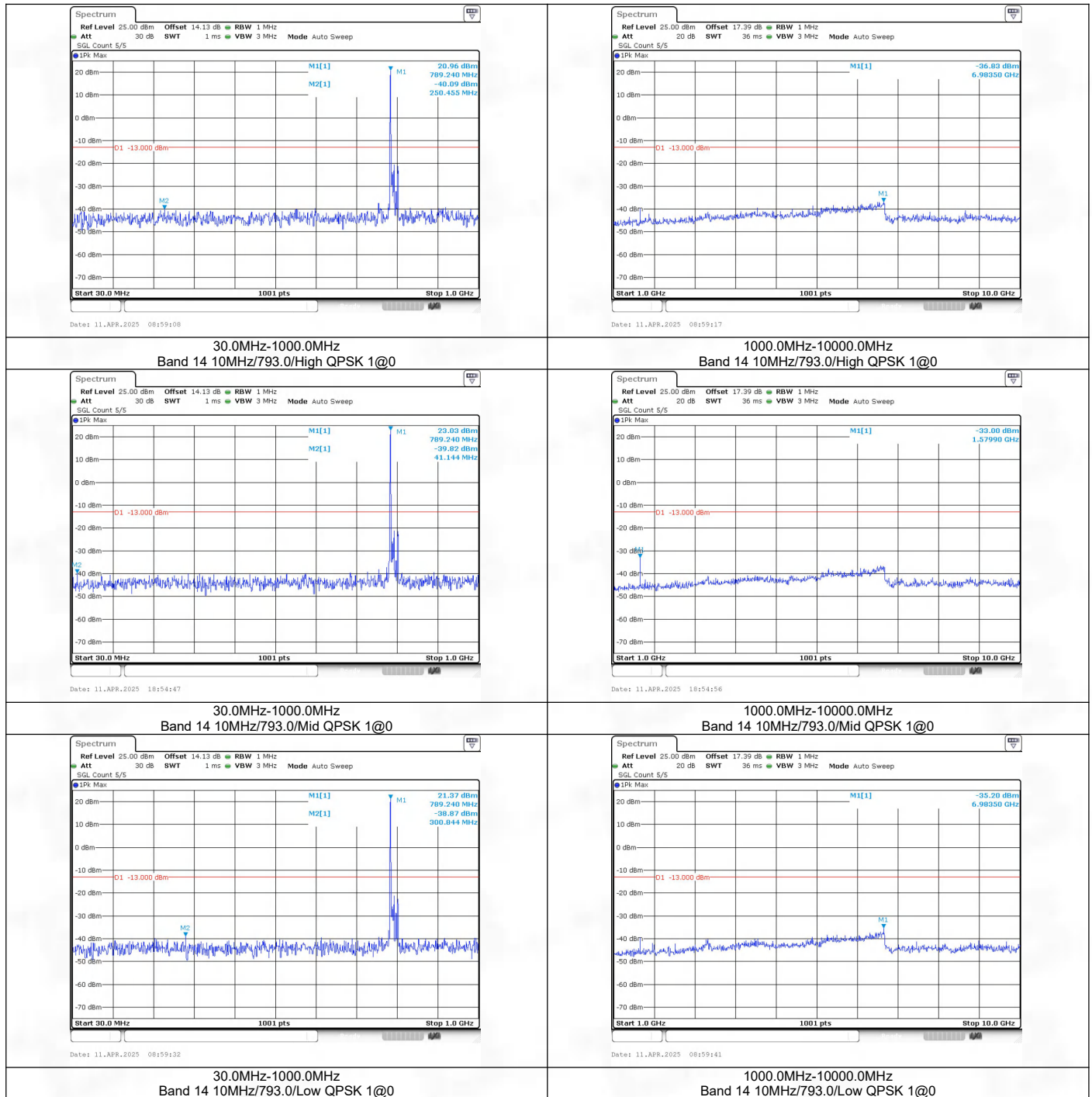




5_Conducted Spurious Emissions

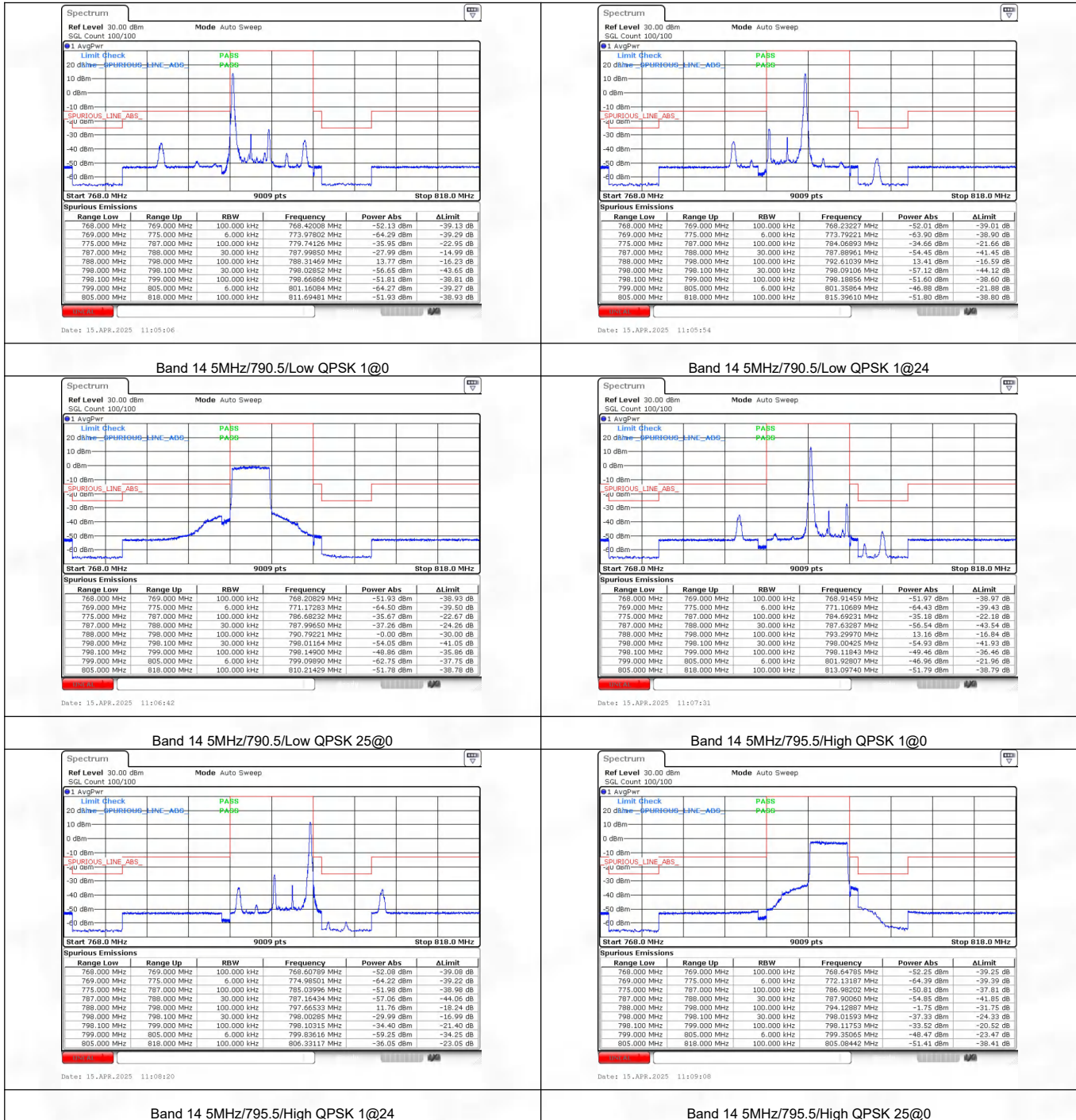
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	StartFreq (MHz)	StopFreq (MHz)	Result (dBm)	Limit (dBm)	Verdict
14	5.0	23355	795.5	QPSK	1@0	30	1000	-39.73	-13	PASS
14	5.0	23355	795.5	QPSK	1@0	1000	10000	-35.13	-13	PASS
14	5.0	23330	793.0	QPSK	1@0	30	1000	-39.52	-13	PASS
14	5.0	23330	793.0	QPSK	1@0	1000	10000	-36.77	-13	PASS
14	5.0	23305	790.5	QPSK	1@0	30	1000	-38.89	-13	PASS
14	5.0	23305	790.5	QPSK	1@0	1000	10000	-35.78	-13	PASS
14	10.0	23330	793.0	QPSK	1@0	30	1000	-40.09	-13	PASS
14	10.0	23330	793.0	QPSK	1@0	1000	10000	-36.83	-13	PASS
14	10.0	23330	793.0	QPSK	1@0	30	1000	-39.82	-13	PASS
14	10.0	23330	793.0	QPSK	1@0	1000	10000	-33.0	-13	PASS
14	10.0	23330	793.0	QPSK	1@0	30	1000	-38.87	-13	PASS
14	10.0	23330	793.0	QPSK	1@0	1000	10000	-35.2	-13	PASS

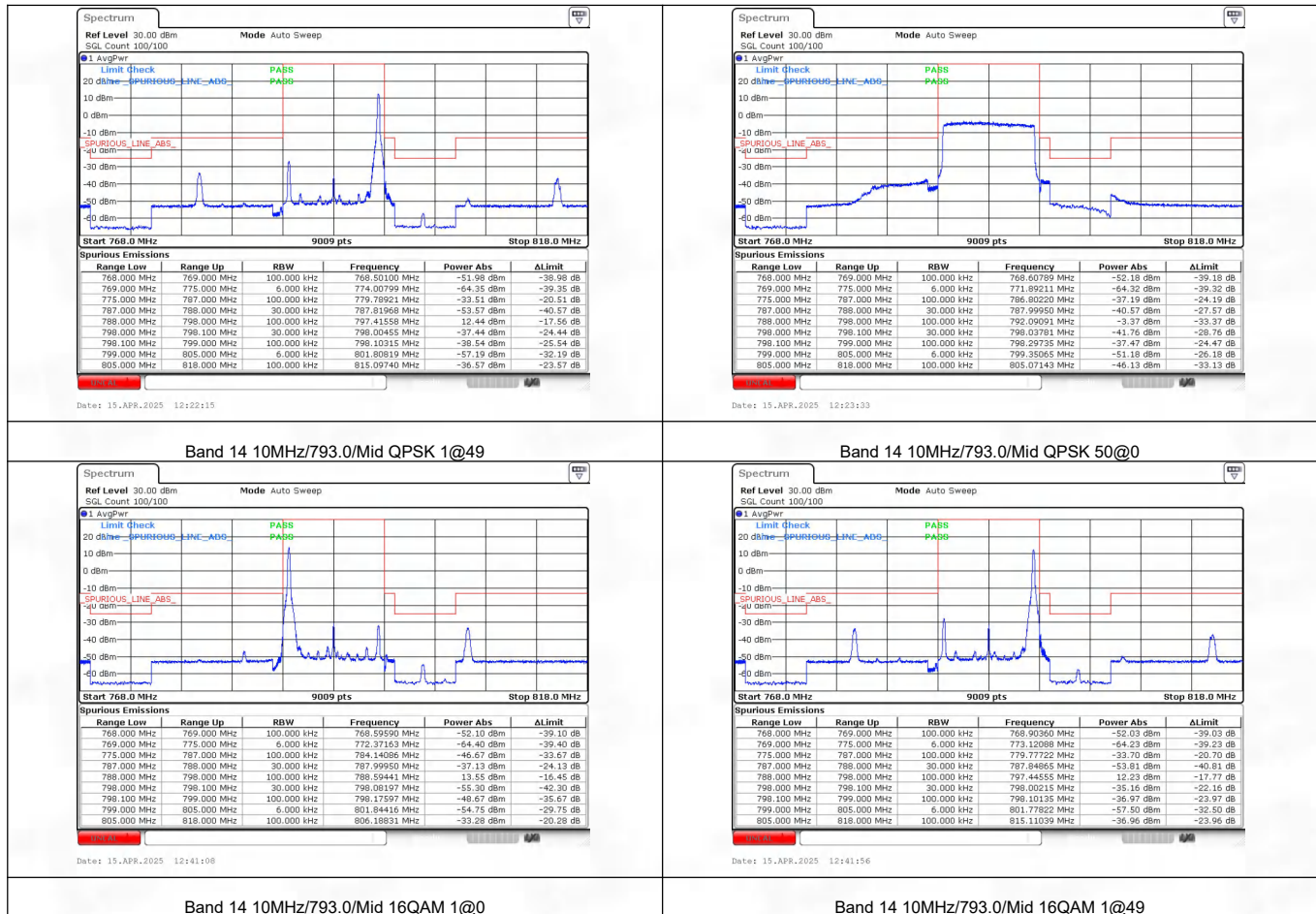




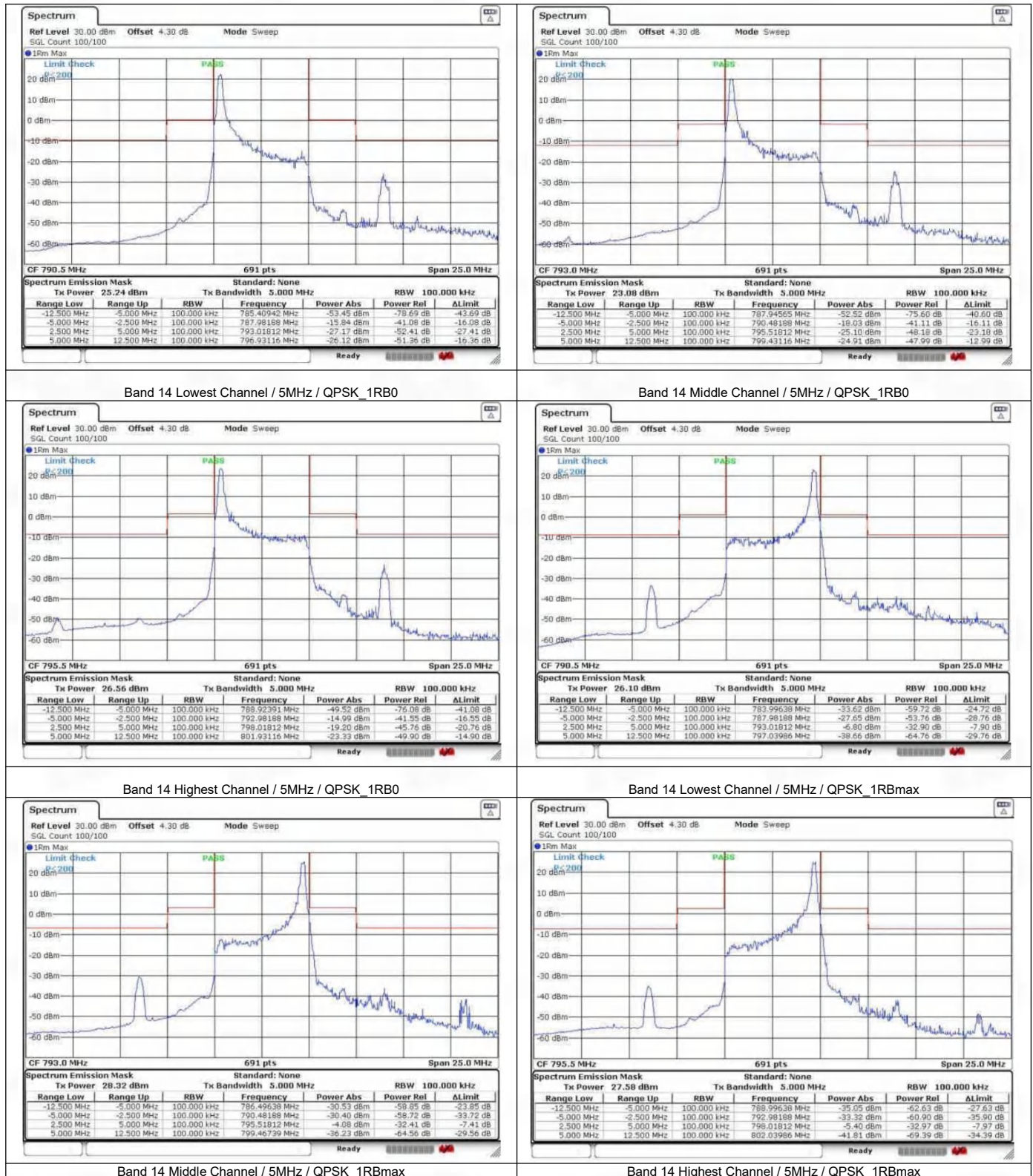
6_Conducted Band Edge

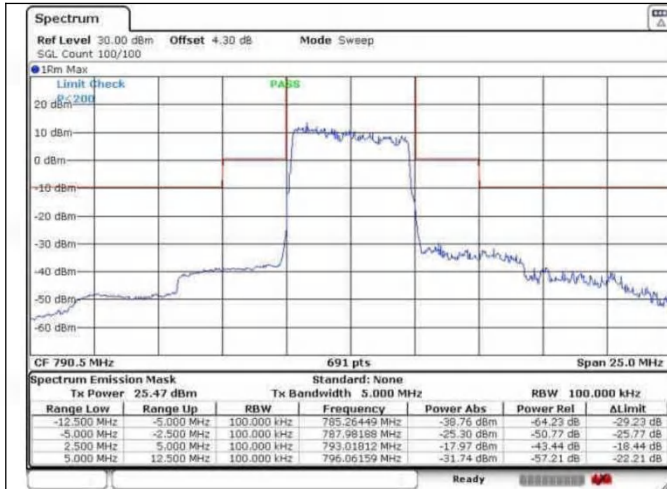
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result	Verdict
14	5.0	23305	790.5	QPSK	1@0	see graph	PASS
14	5.0	23305	790.5	QPSK	1@24	see graph	PASS
14	5.0	23305	790.5	QPSK	25@0	see graph	PASS
14	5.0	23355	795.5	QPSK	1@0	see graph	PASS
14	5.0	23355	795.5	QPSK	1@24	see graph	PASS
14	5.0	23355	795.5	QPSK	25@0	see graph	PASS
14	10.0	23330	793.0	QPSK	1@0	see graph	PASS
14	10.0	23330	793.0	QPSK	1@49	see graph	PASS
14	10.0	23330	793.0	QPSK	50@0	see graph	PASS



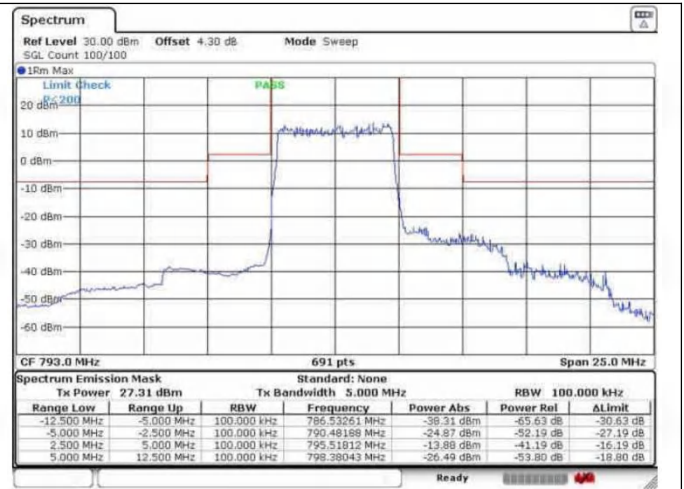


6_Emission Mask

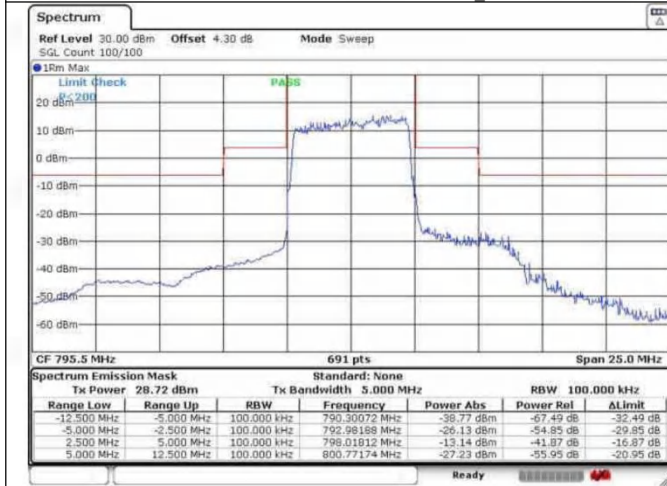




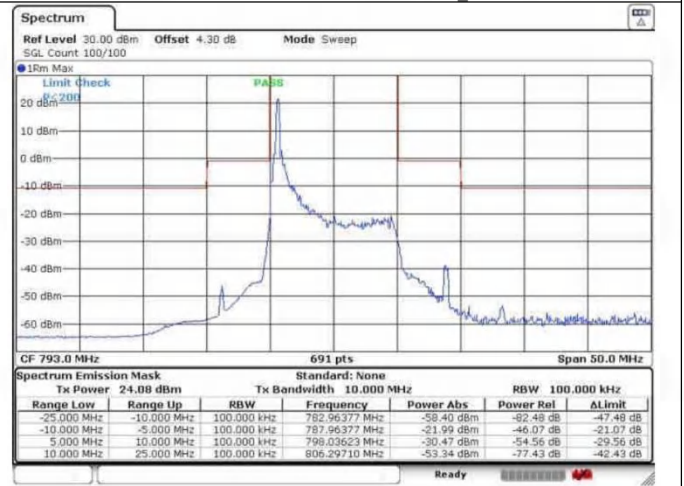
Band 14 Lowest Channel / 5MHz / QPSK_fullRB0



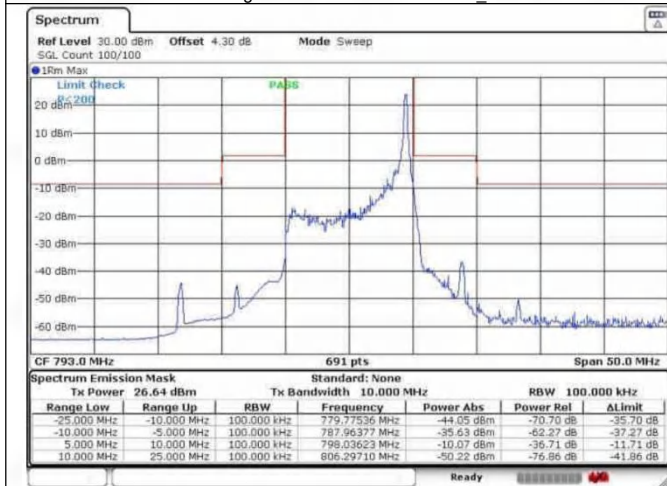
Band 14 Middle Channel / 5MHz / QPSK_fullRB0



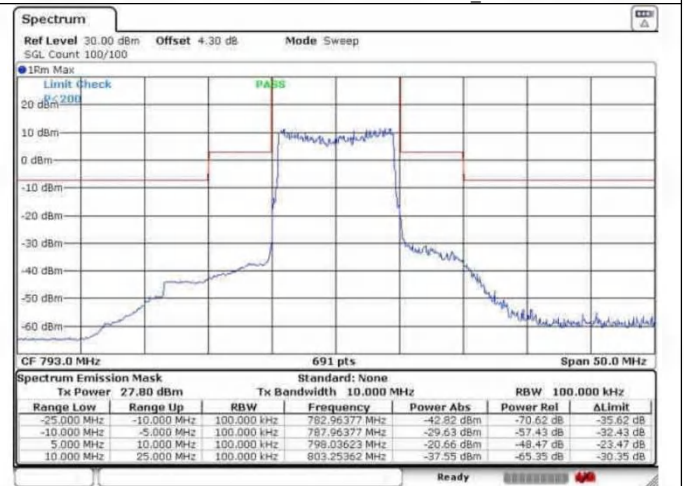
Band 14 Highest Channel / 5MHz / QPSK_fullRB0



Band 14 Lowest Channel / 10MHz / QPSK_1RB0



Band 14 Middle Channel / 10MHz / QPSK_1RBmax



Band 14 Highest Channel / 10MHz / QPSK_fullRB0

7_Modulation Characteristics

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Verdict
14	5.0	23355	795.5	QPSK	25@0	PASS
14	5.0	23330	793.0	QPSK	25@0	PASS
14	5.0	23305	790.5	QPSK	25@0	PASS
14	10.0	23330	793.0	QPSK	50@0	PASS
14	10.0	23330	793.0	QPSK	50@0	PASS
14	10.0	23330	793.0	QPSK	50@0	PASS

