

Appendix-A LTE Band 7

Effective (Isotropic) Radiated Power Output Data

Test Result

and	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	22.45	23.85	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#12	22.5	23.9	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#24	22.44	23.84	33.00	PASS
Band7	5MHz	QPSK	20775	25RB#0	22.05	23.45	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#0	22.41	23.81	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#12	22.47	23.87	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#24	22.32	23.72	33.00	PASS
Band7	5MHz	QPSK	21100	25RB#0	22.21	23.61	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#0	22.67	24.07	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#12	22.7	24.1	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#24	22.34	23.74	33.00	PASS
Band7	5MHz	QPSK	21425	25RB#0	22.32	23.72	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#0	21.72	23.12	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#12	21.42	22.82	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#24	21.52	22.92	33.00	PASS
Band7	5MHz	16QAM	20775	25RB#0	21.03	22.43	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#0	21.62	23.02	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#12	21.79	23.19	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#24	22.05	23.45	33.00	PASS
Band7	5MHz	16QAM	21100	25RB#0	21.29	22.69	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#0	21.84	23.24	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#12	21.86	23.26	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#24	21.7	23.1	33.00	PASS
Band7	5MHz	16QAM	21425	25RB#0	21.24	22.64	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#0	20.55	21.95	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#12	20.41	21.81	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#24	20.28	21.68	33.00	PASS
Band7	5MHz	64QAM	20775	25RB#0	19.83	21.23	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#0	20.68	22.08	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#12	20.75	22.15	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#24	20.73	22.13	33.00	PASS
Band7	5MHz	64QAM	21100	25RB#0	20.1	21.5	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#0	20.6	22	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#12	20.79	22.19	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#24	20.95	22.35	33.00	PASS
Band7	5MHz	64QAM	21425	25RB#0	20.15	21.55	33.00	PASS

Band7	10MHz	QPSK	20800	1RB#0	22.43	23.83	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#24	22.49	23.89	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#49	22.54	23.94	33.00	PASS
Band7	10MHz	QPSK	20800	50RB#0	22.08	23.48	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#0	22.63	24.03	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#24	22.3	23.7	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#49	22.6	24	33.00	PASS
Band7	10MHz	QPSK	21100	50RB#0	22.03	23.43	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#0	22.41	23.81	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#24	22.64	24.04	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#49	22.44	23.84	33.00	PASS
Band7	10MHz	QPSK	21400	50RB#0	22.27	23.67	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#0	21.45	22.85	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#24	21.54	22.94	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#49	21.73	23.13	33.00	PASS
Band7	10MHz	16QAM	20800	50RB#0	21.1	22.5	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#0	21.86	23.26	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#24	21.69	23.09	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#49	22.01	23.41	33.00	PASS
Band7	10MHz	16QAM	21100	50RB#0	21.26	22.66	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#0	21.86	23.26	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#24	21.75	23.15	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#49	21.72	23.12	33.00	PASS
Band7	10MHz	16QAM	21400	50RB#0	21.28	22.68	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#0	20.68	22.08	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#24	20.58	21.98	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#49	20.57	21.97	33.00	PASS
Band7	10MHz	64QAM	20800	50RB#0	19.94	21.34	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#0	20.73	22.13	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#24	20.61	22.01	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#49	20.77	22.17	33.00	PASS
Band7	10MHz	64QAM	21100	50RB#0	20.12	21.52	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#0	20.75	22.15	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#24	20.62	22.02	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#49	21.05	22.45	33.00	PASS
Band7	10MHz	64QAM	21400	50RB#0	20.17	21.57	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#0	22.5	23.9	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#38	22.49	23.89	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#74	22.69	24.09	33.00	PASS
Band7	15MHz	QPSK	20825	75RB#0	22.08	23.48	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#0	22.88	24.28	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#38	22.51	23.91	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#74	22.68	24.08	33.00	PASS
Band7	15MHz	QPSK	21100	75RB#0	22.11	23.51	33.00	PASS

Band7	15MHz	QPSK	21375	1RB#0	22.66	24.06	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#38	22.78	24.18	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#74	22.53	23.93	33.00	PASS
Band7	15MHz	QPSK	21375	75RB#0	22.24	23.64	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#0	21.37	22.77	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#38	21.72	23.12	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#74	21.6	23	33.00	PASS
Band7	15MHz	16QAM	20825	75RB#0	21.09	22.49	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#0	21.58	22.98	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#38	21.65	23.05	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#74	21.63	23.03	33.00	PASS
Band7	15MHz	16QAM	21100	75RB#0	21.23	22.63	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#0	21.82	23.22	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#38	21.92	23.32	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#74	21.74	23.14	33.00	PASS
Band7	15MHz	16QAM	21375	75RB#0	21.25	22.65	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#0	20.51	21.91	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#38	20.54	21.94	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#74	20.68	22.08	33.00	PASS
Band7	15MHz	64QAM	20825	75RB#0	19.96	21.36	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#0	20.79	22.19	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#38	20.77	22.17	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#74	20.89	22.29	33.00	PASS
Band7	15MHz	64QAM	21100	75RB#0	20.16	21.56	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#0	20.8	22.2	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#38	20.75	22.15	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#74	20.9	22.3	33.00	PASS
Band7	15MHz	64QAM	21375	75RB#0	20.14	21.54	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#0	22.47	23.87	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#49	22.56	23.96	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#99	22.69	24.09	33.00	PASS
Band7	20MHz	QPSK	20850	100RB#0	22.15	23.55	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#0	22.51	23.91	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#49	22.26	23.66	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#99	22.77	24.17	33.00	PASS
Band7	20MHz	QPSK	21100	100RB#0	22.3	23.7	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#0	22.45	23.85	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#49	22.7	24.1	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#99	22.66	24.06	33.00	PASS
Band7	20MHz	QPSK	21350	100RB#0	22.28	23.68	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#0	21.7	23.1	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#49	21.58	22.98	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#99	21.61	23.01	33.00	PASS
Band7	20MHz	16QAM	20850	100RB#0	21.17	22.57	33.00	PASS

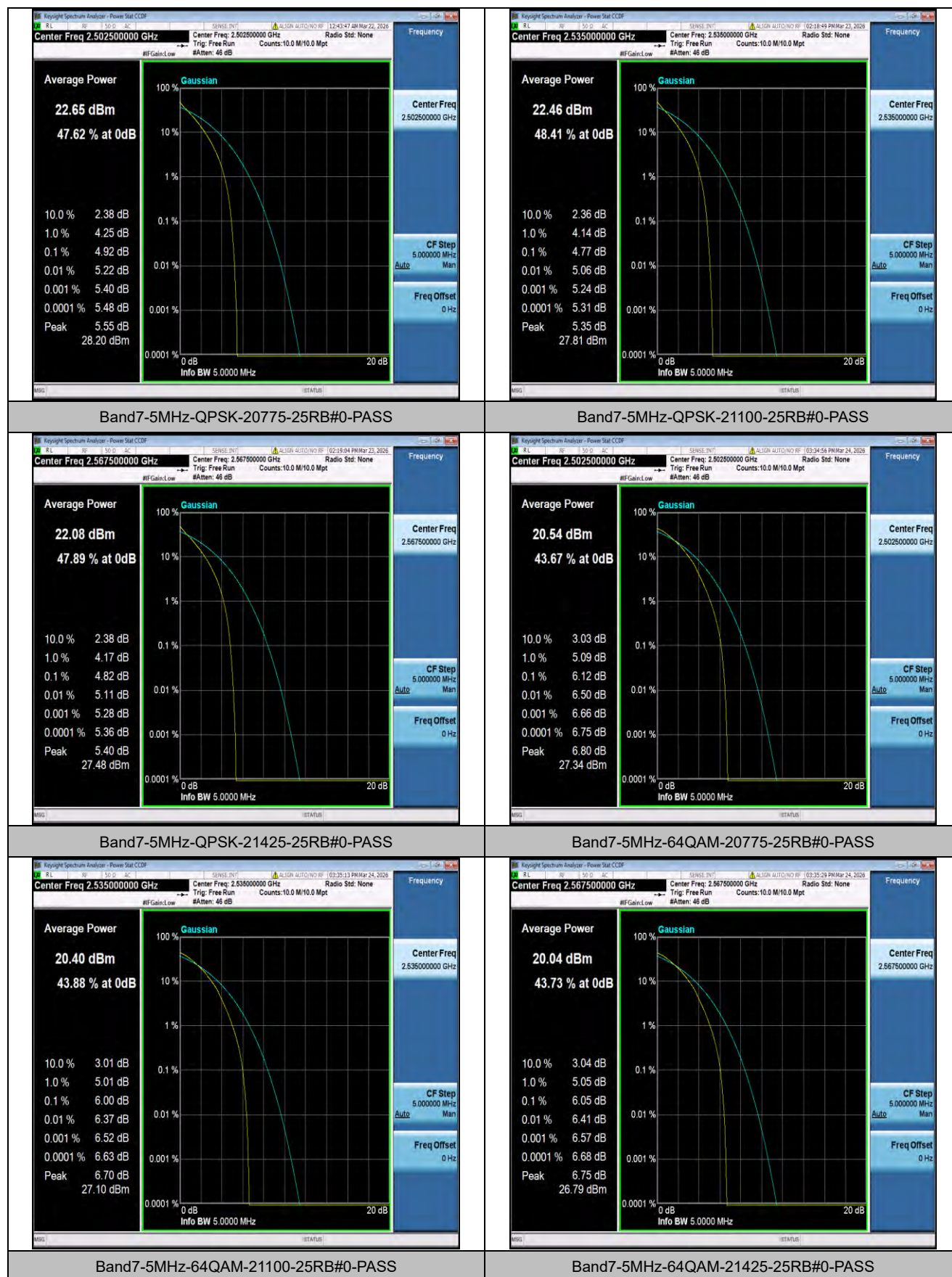
Band7	20MHz	16QAM	21100	1RB#0	21.74	23.14	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#49	21.85	23.25	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#99	21.81	23.21	33.00	PASS
Band7	20MHz	16QAM	21100	100RB#0	21.31	22.71	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#0	21.8	23.2	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#49	21.92	23.32	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#99	21.96	23.36	33.00	PASS
Band7	20MHz	16QAM	21350	100RB#0	21.23	22.63	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#0	20.75	22.15	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#49	20.8	22.2	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#99	20.63	22.03	33.00	PASS
Band7	20MHz	64QAM	20850	100RB#0	20.01	21.41	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#0	20.74	22.14	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#49	20.72	22.12	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#99	20.77	22.17	33.00	PASS
Band7	20MHz	64QAM	21100	100RB#0	20.14	21.54	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#0	20.55	21.95	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#49	20.77	22.17	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#99	20.59	21.99	33.00	PASS
Band7	20MHz	64QAM	21350	100RB#0	20.13	21.53	33.00	PASS

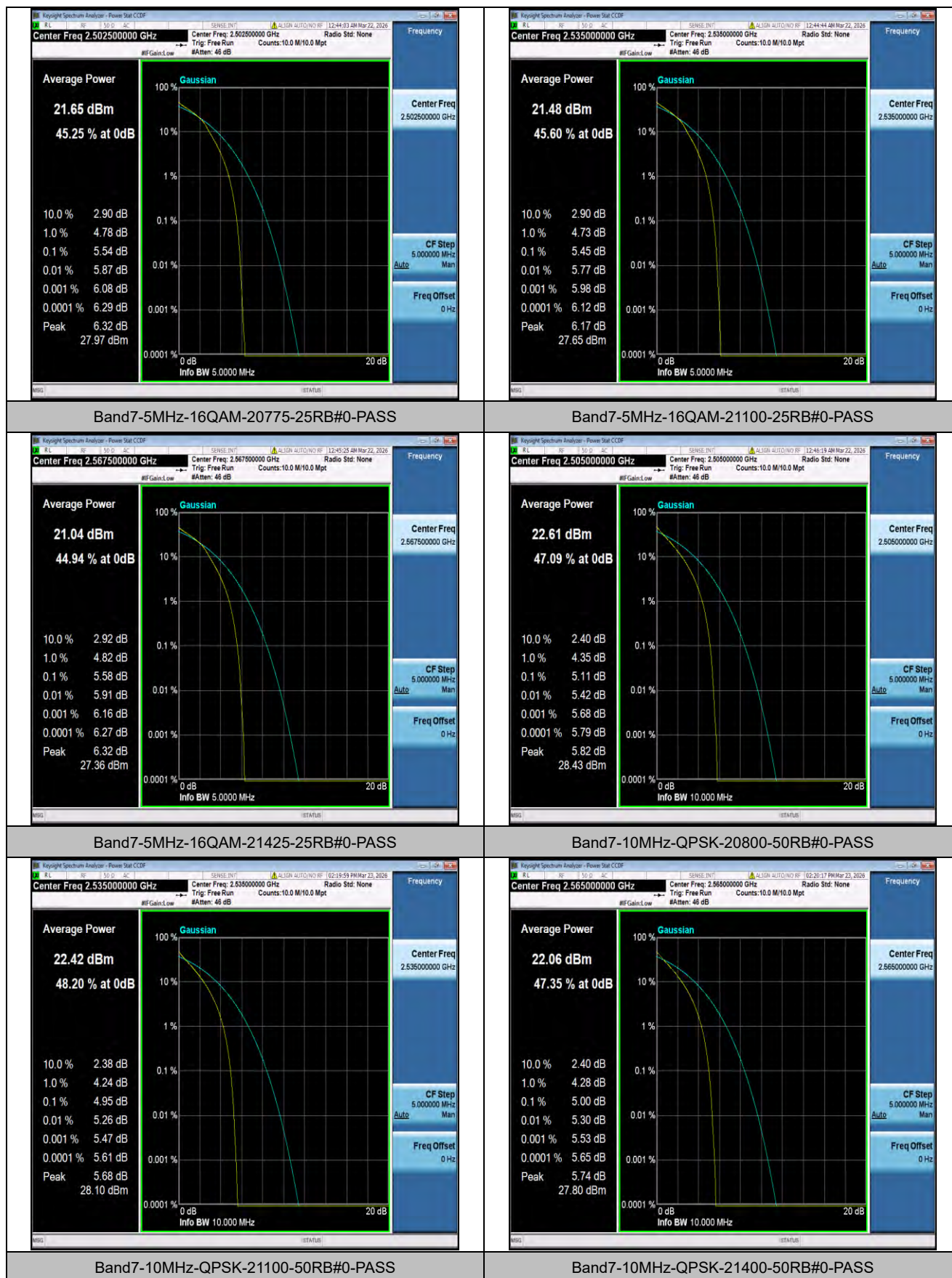
Peak-to-Average Ratio(CCDF)

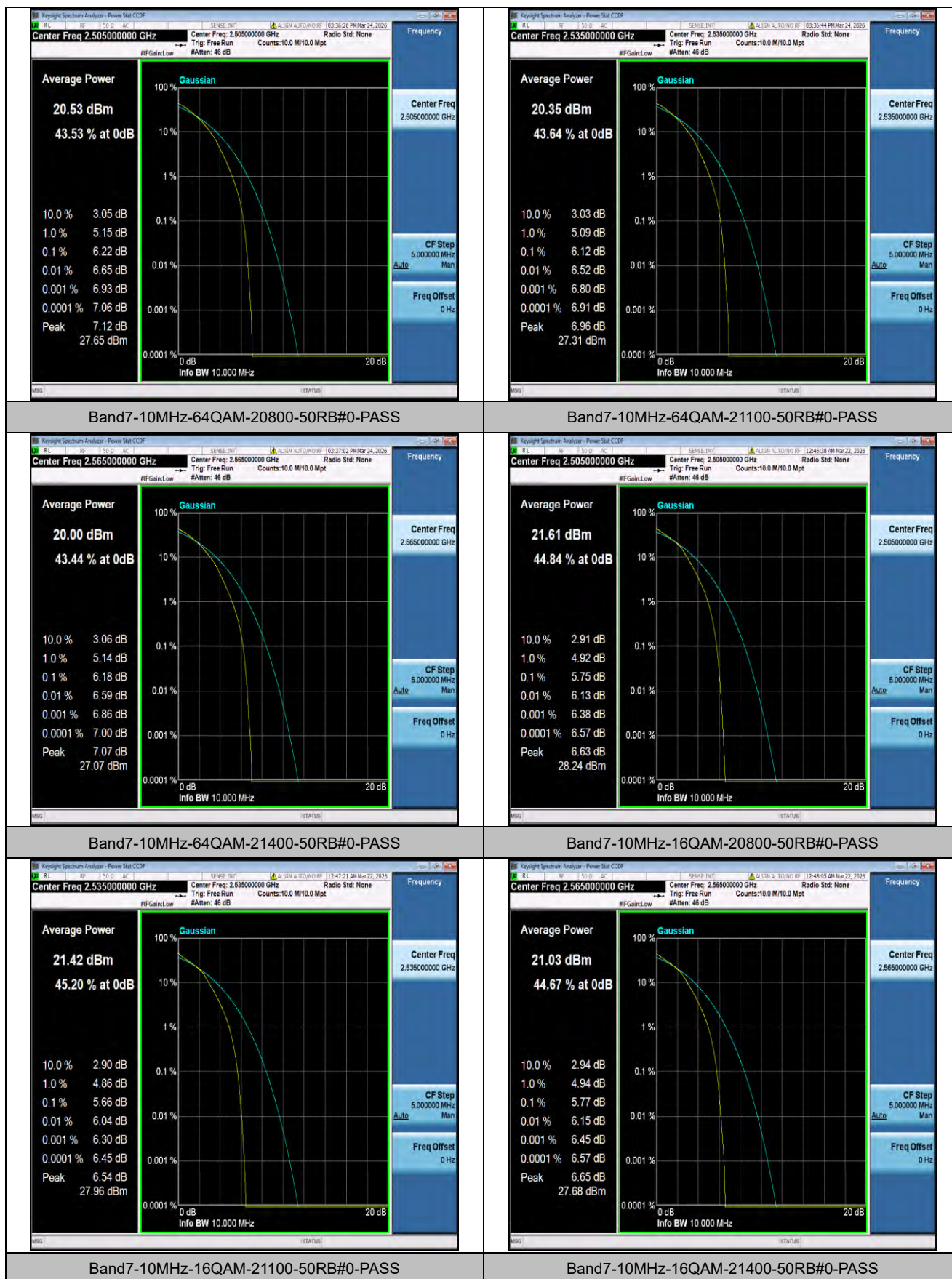
Test Result

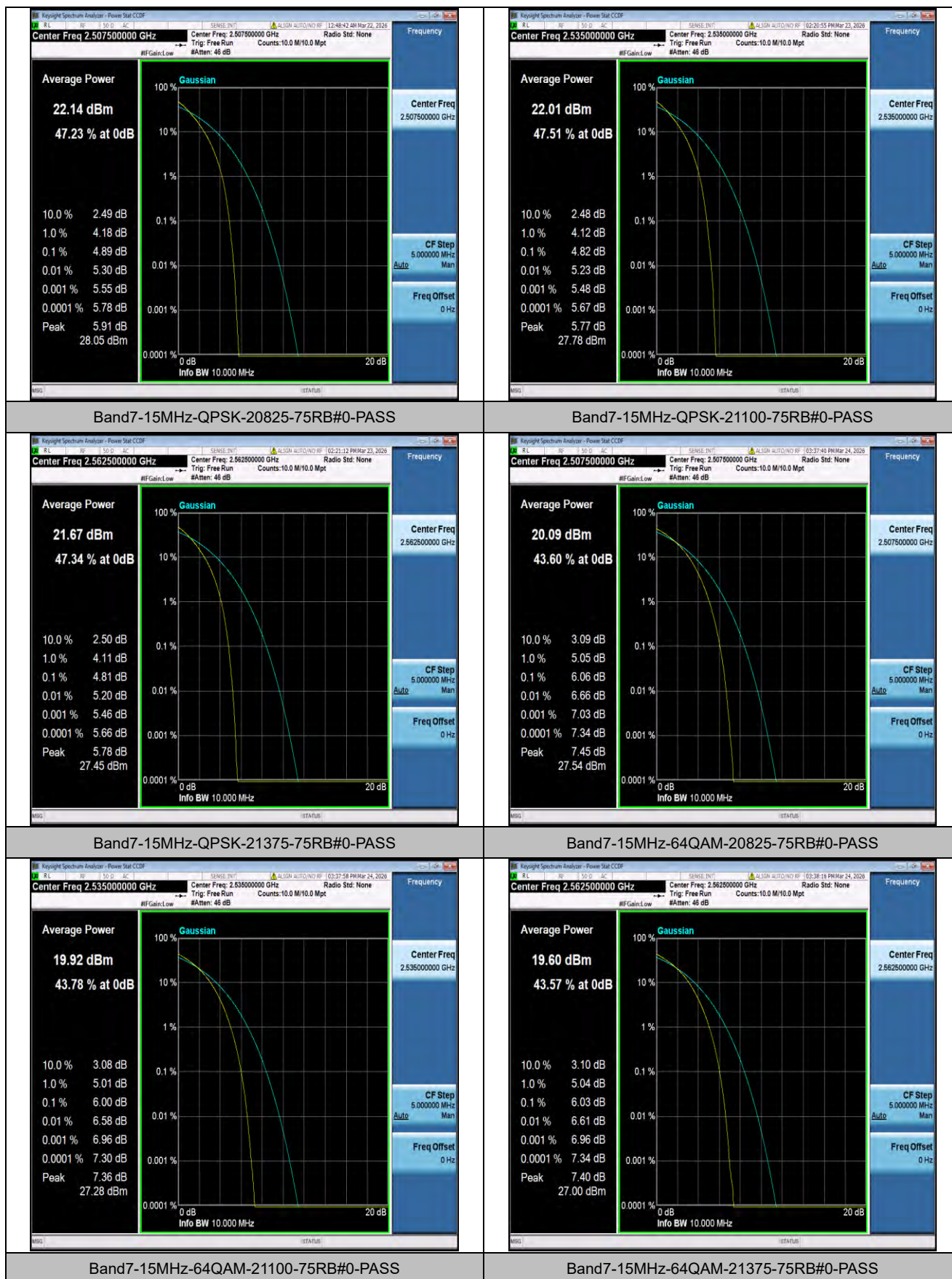
Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.92	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.77	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.82	13	PASS
Band7	5MHz	64QAM	20775	25RB#0	6.12	13	PASS
Band7	5MHz	64QAM	21100	25RB#0	6.00	13	PASS
Band7	5MHz	64QAM	21425	25RB#0	6.05	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	5.54	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	5.45	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	5.58	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	5.11	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	4.95	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	5.00	13	PASS
Band7	10MHz	64QAM	20800	50RB#0	6.22	13	PASS
Band7	10MHz	64QAM	21100	50RB#0	6.12	13	PASS
Band7	10MHz	64QAM	21400	50RB#0	6.18	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	5.75	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	5.66	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	5.77	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	4.89	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	4.82	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	4.81	13	PASS
Band7	15MHz	64QAM	20825	75RB#0	6.06	13	PASS
Band7	15MHz	64QAM	21100	75RB#0	6.00	13	PASS
Band7	15MHz	64QAM	21375	75RB#0	6.03	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	5.77	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	5.72	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	5.75	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.03	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	4.87	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	4.78	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	6.26	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	6.13	13	PASS
Band7	20MHz	64QAM	21350	100RB#0	6.13	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.66	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.57	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.55	13	PASS

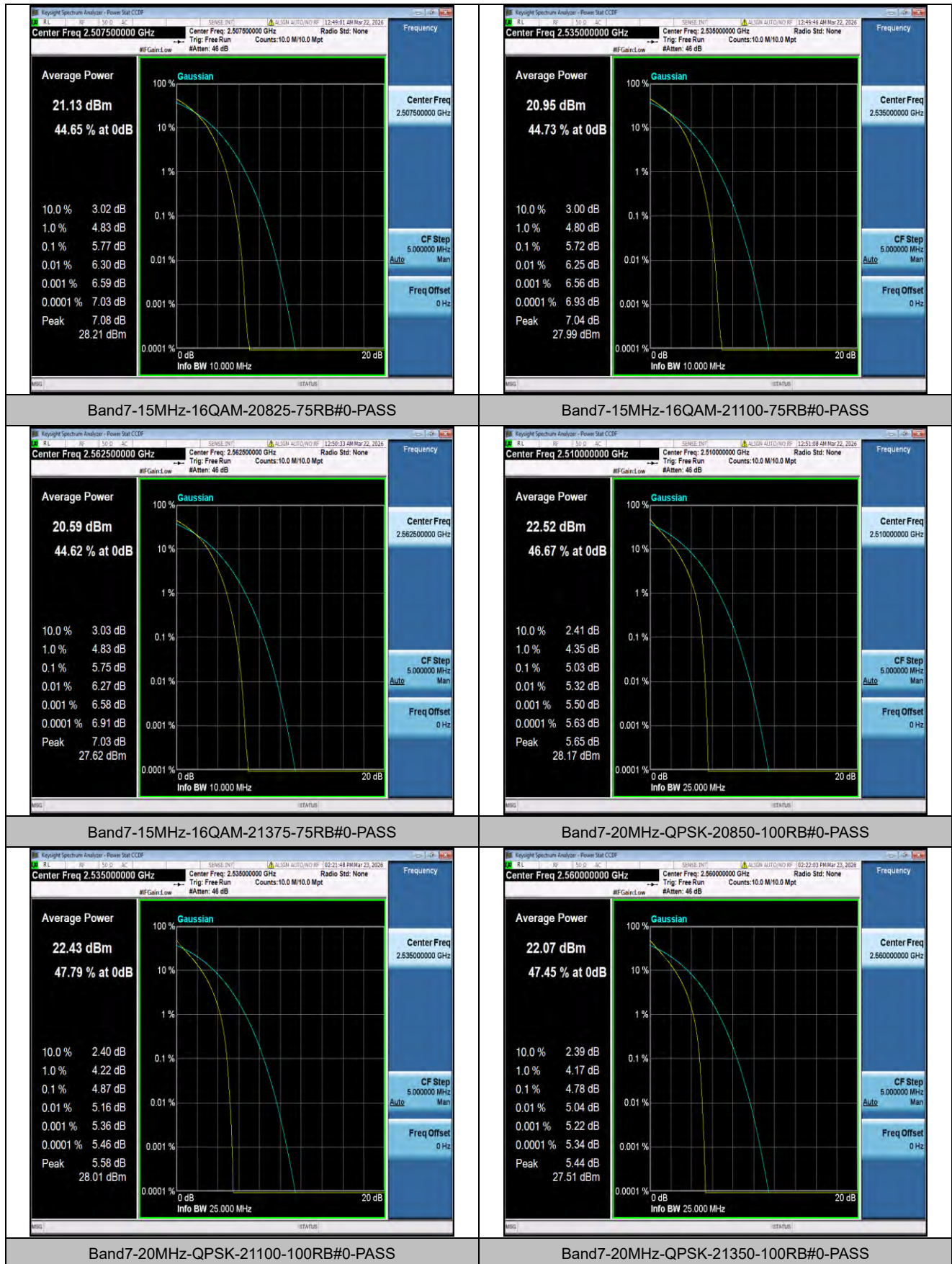
Test Graphs

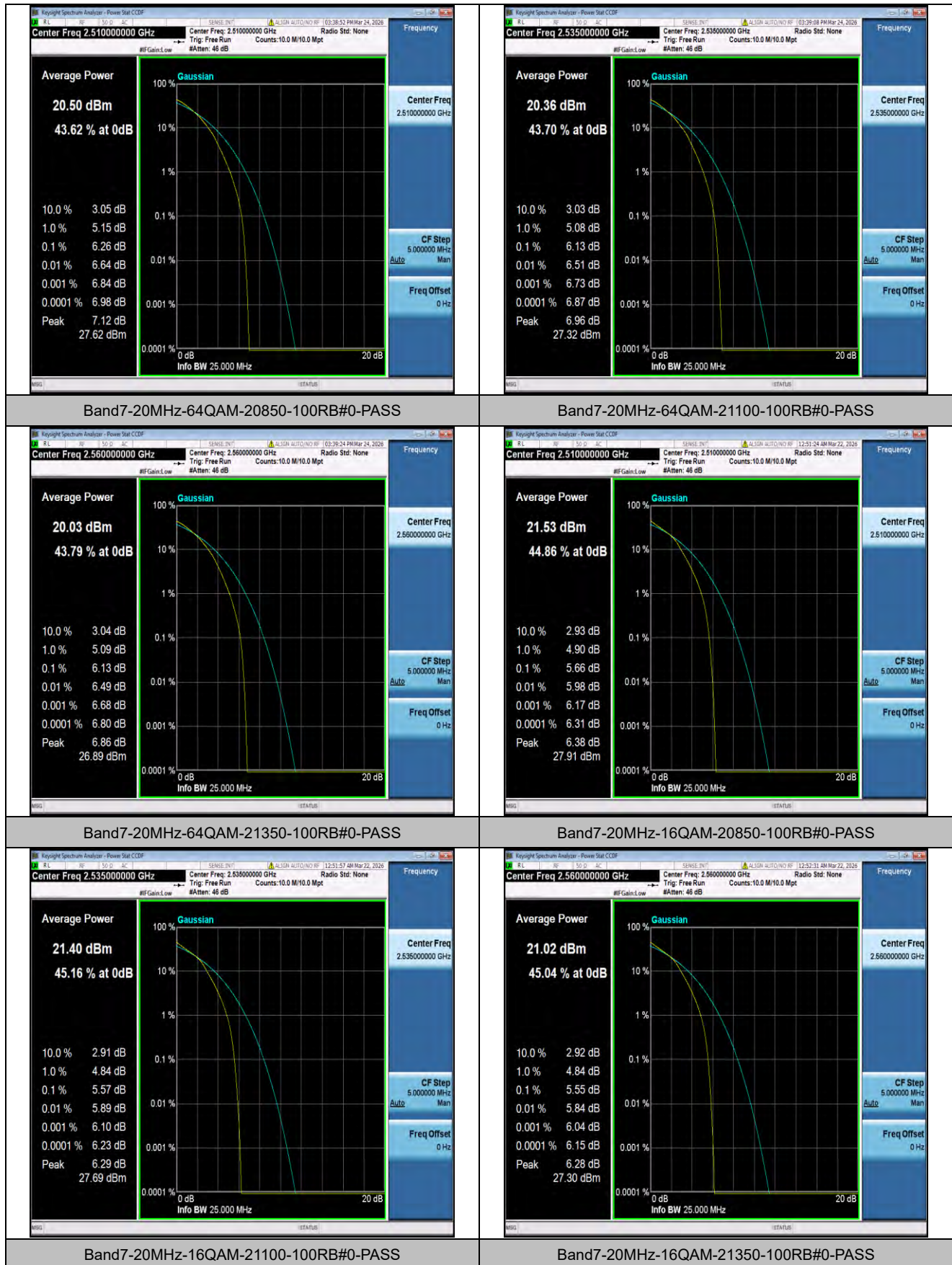










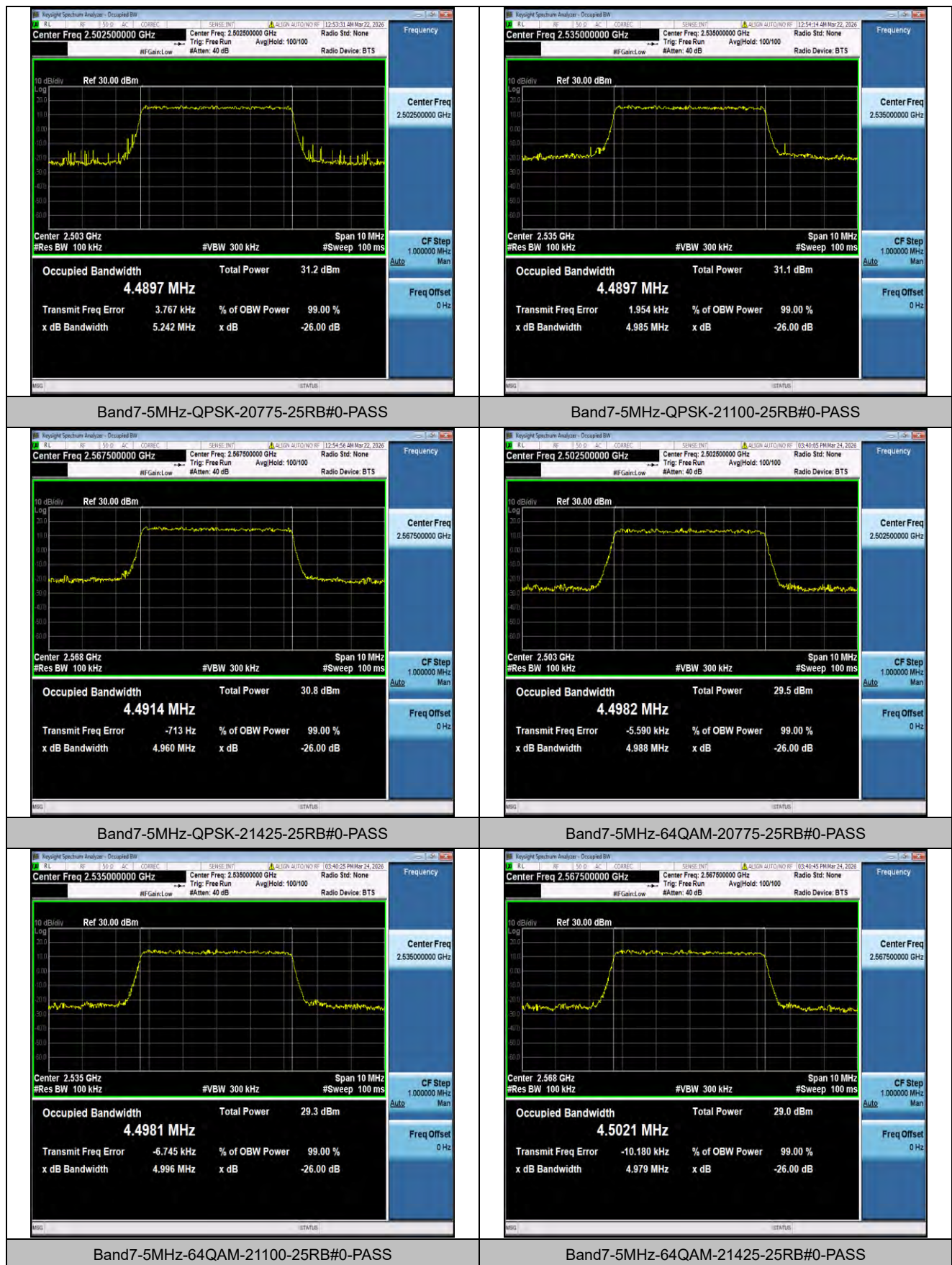


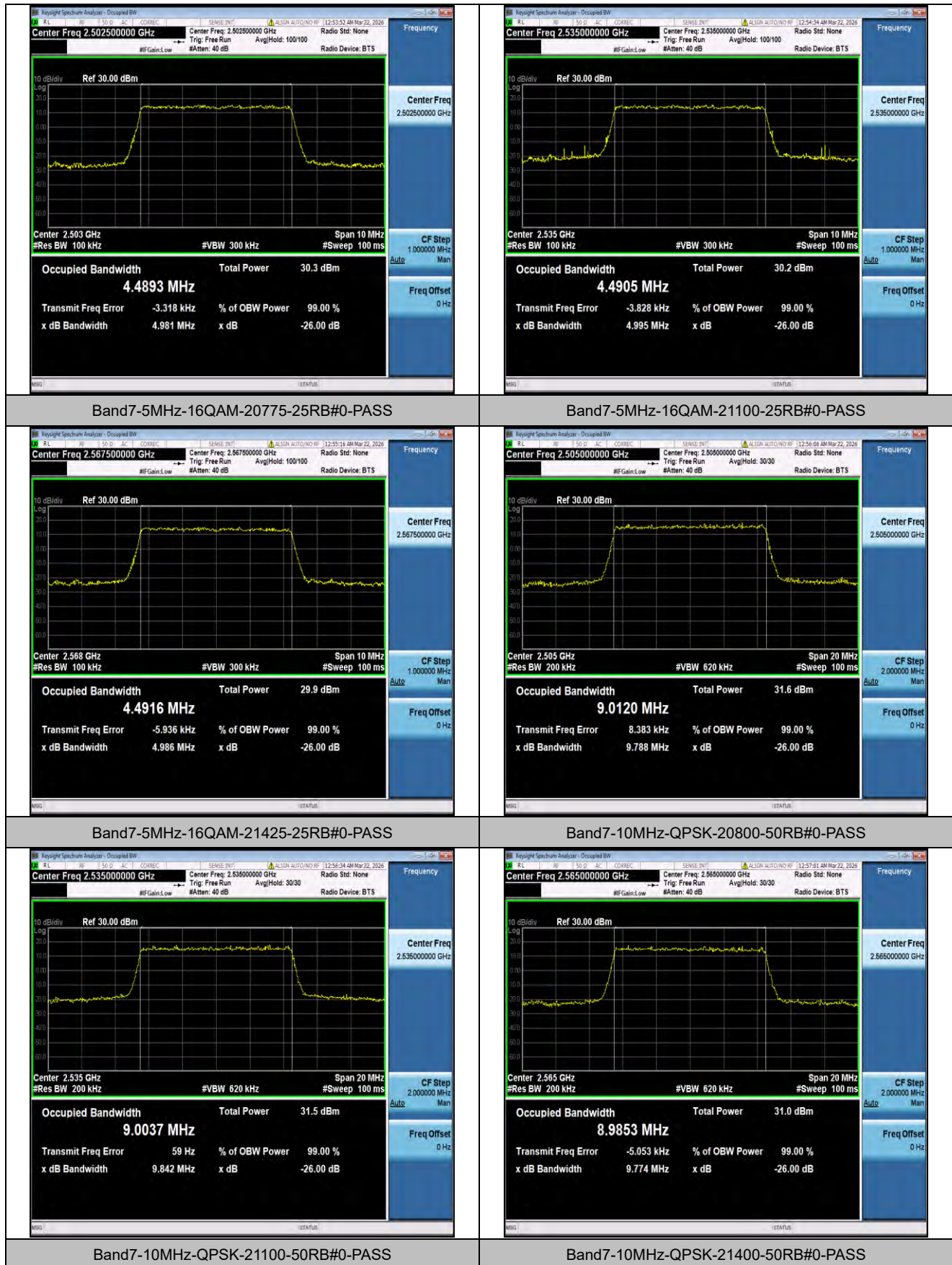
26dB Bandwidth and Occupied Bandwidth

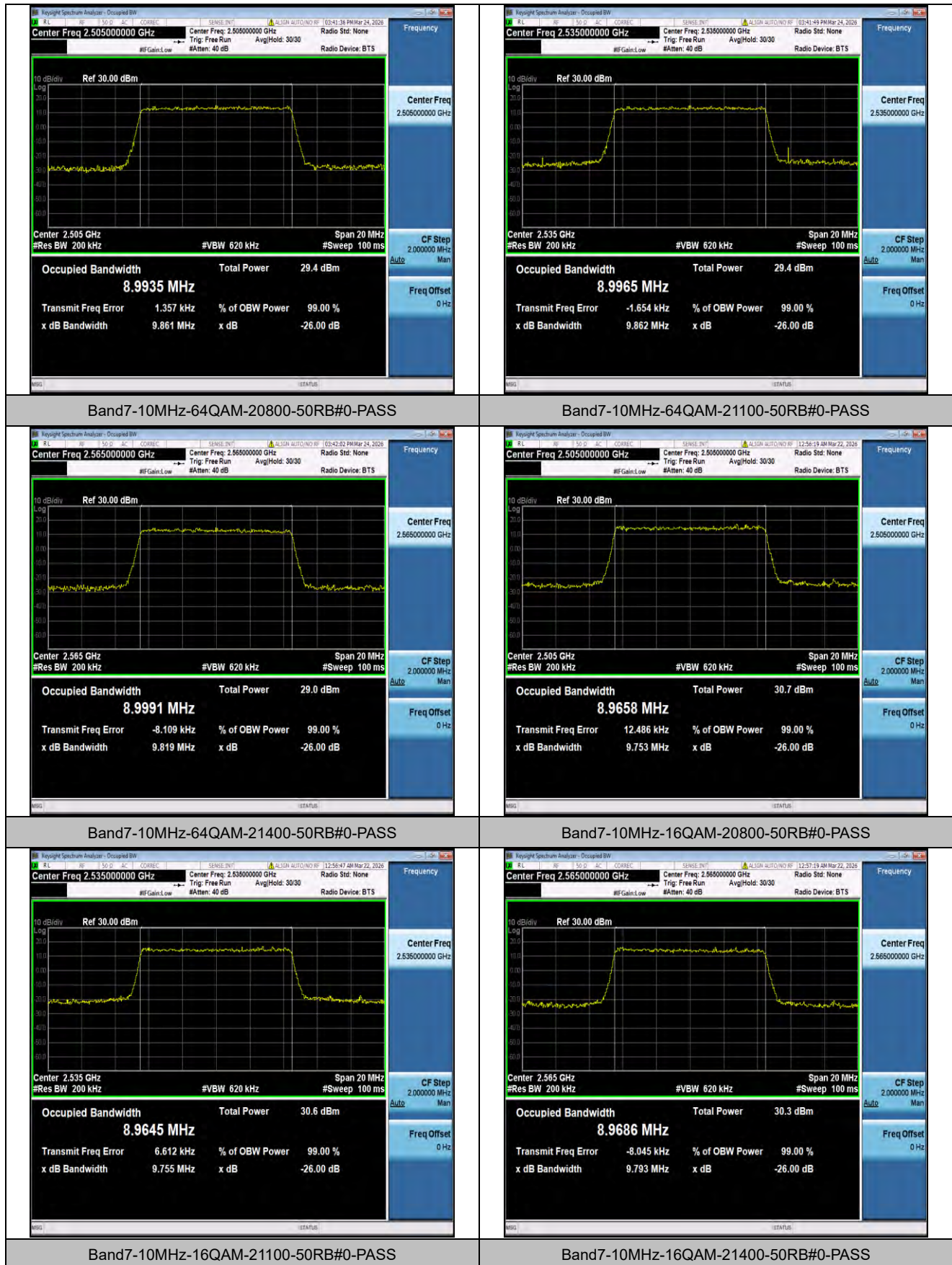
Test Result

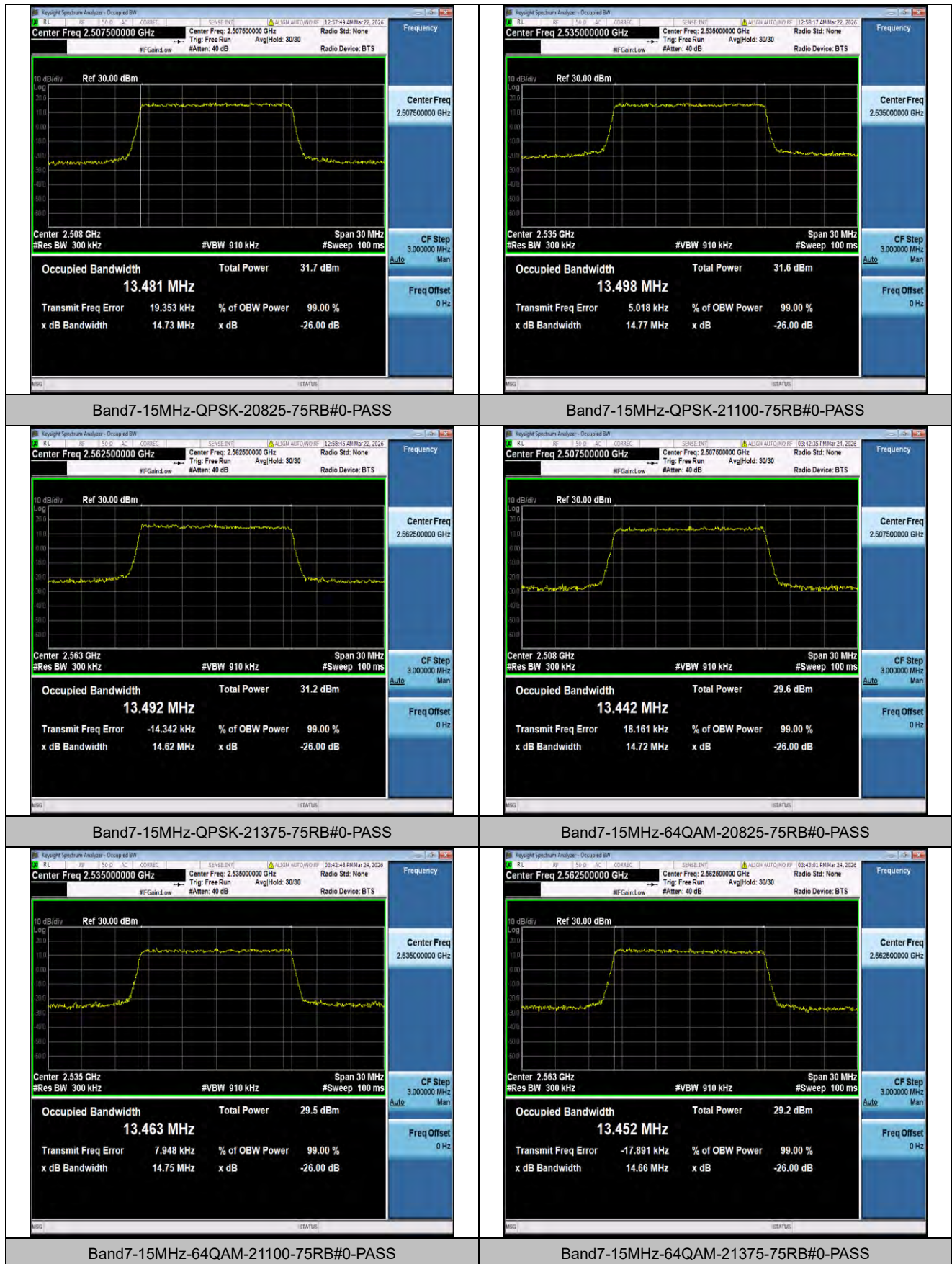
Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.4897	5.242	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.4897	4.985	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.4914	4.960	PASS
Band7	5MHz	64QAM	20775	25RB#0	4.4982	4.988	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.4981	4.996	PASS
Band7	5MHz	64QAM	21425	25RB#0	4.5021	4.979	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.4893	4.981	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.4905	4.995	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.4916	4.986	PASS
Band7	10MHz	QPSK	20800	50RB#0	9.0120	9.788	PASS
Band7	10MHz	QPSK	21100	50RB#0	9.0037	9.842	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9853	9.774	PASS
Band7	10MHz	64QAM	20800	50RB#0	8.9935	9.861	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.9965	9.862	PASS
Band7	10MHz	64QAM	21400	50RB#0	8.9991	9.819	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.9658	9.753	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9645	9.755	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9686	9.793	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.481	14.73	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.498	14.77	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.492	14.62	PASS
Band7	15MHz	64QAM	20825	75RB#0	13.442	14.72	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.463	14.75	PASS
Band7	15MHz	64QAM	21375	75RB#0	13.452	14.66	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.466	14.68	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.470	14.71	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.469	14.69	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.993	19.62	PASS
Band7	20MHz	QPSK	21100	100RB#0	18.017	19.66	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.975	19.54	PASS
Band7	20MHz	64QAM	20850	100RB#0	17.935	19.47	PASS
Band7	20MHz	64QAM	21100	100RB#0	17.965	19.58	PASS
Band7	20MHz	64QAM	21350	100RB#0	17.935	19.51	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.932	19.52	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.981	19.48	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.940	19.50	PASS

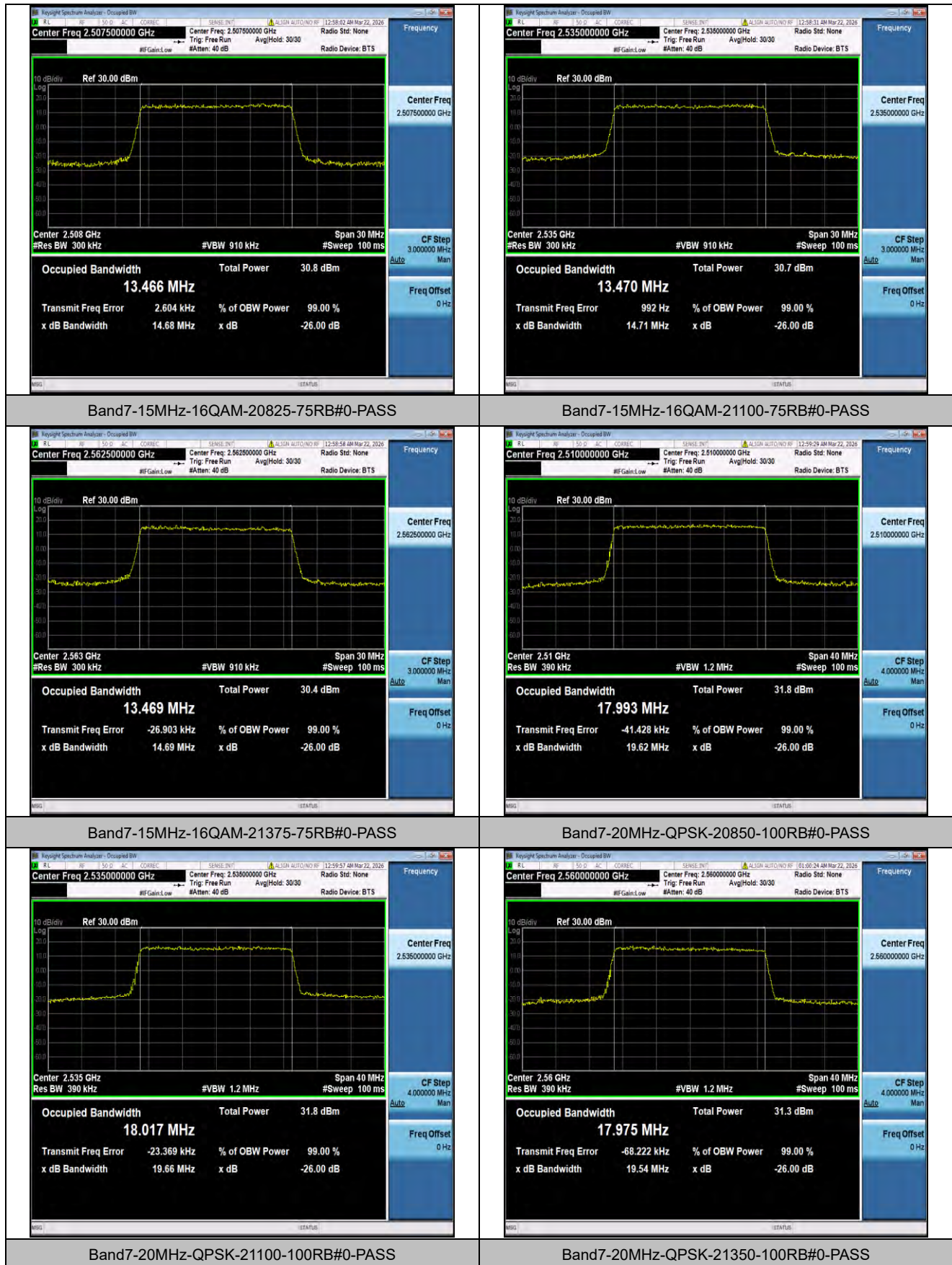
Test Graphs







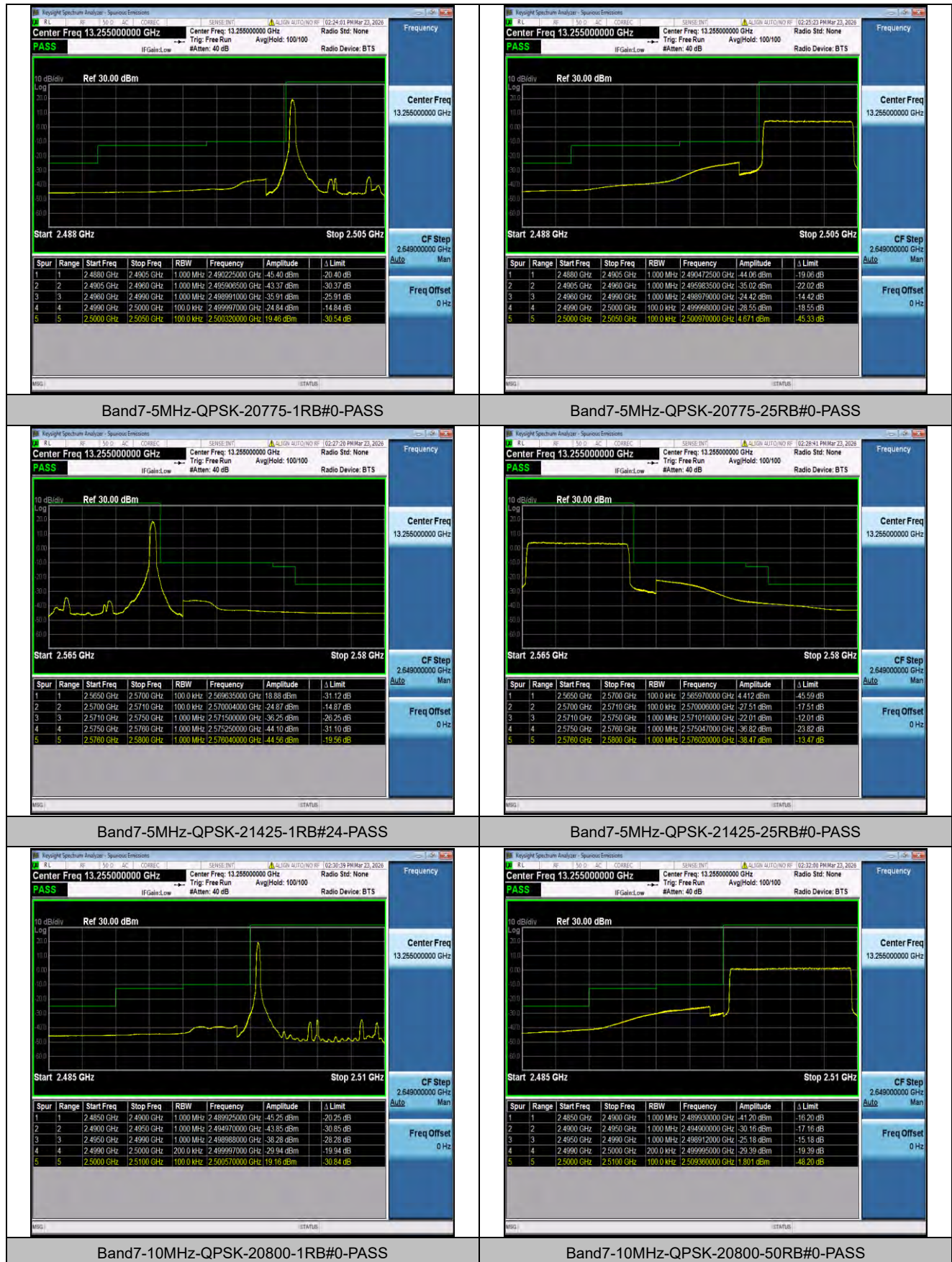


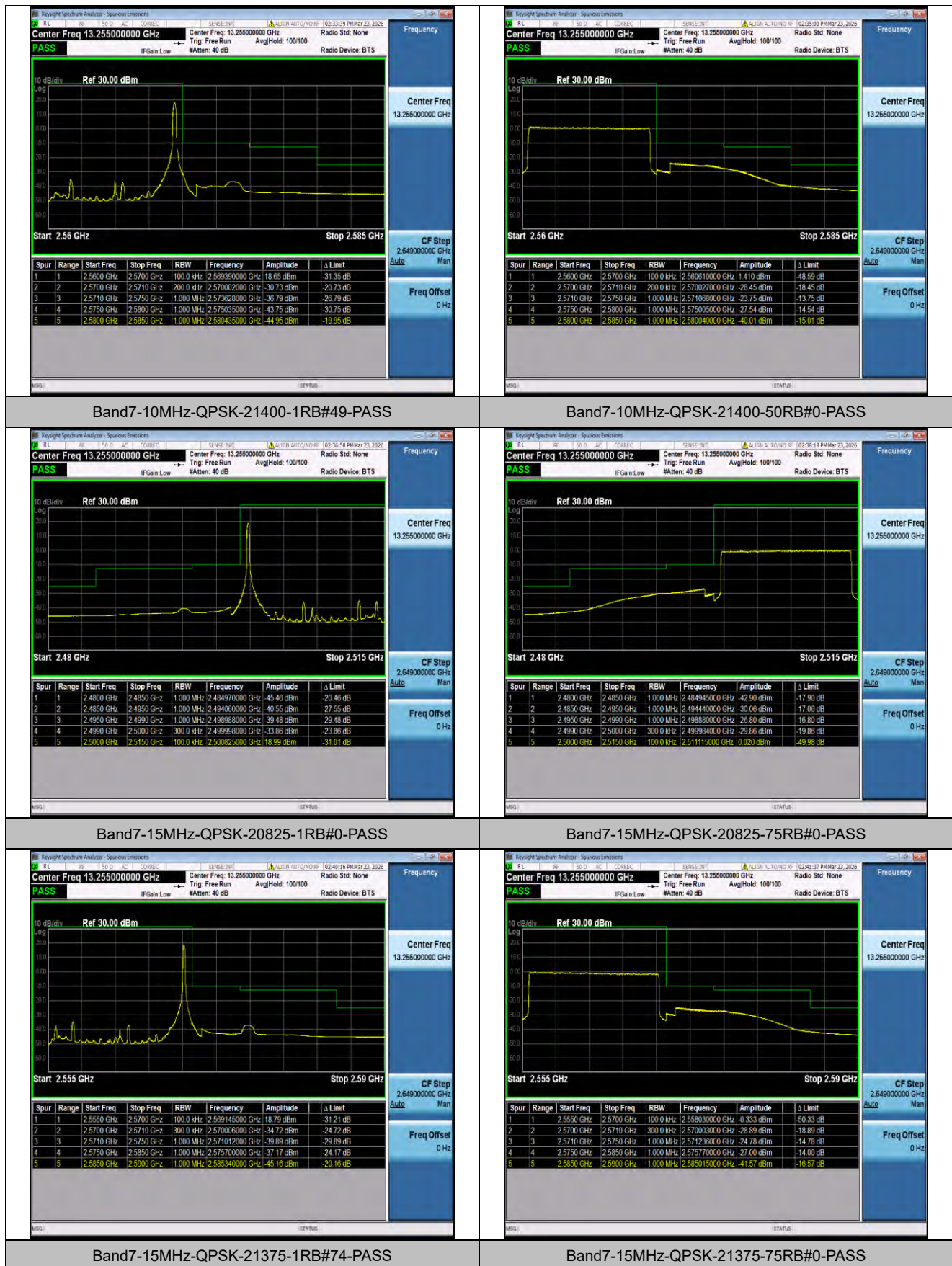


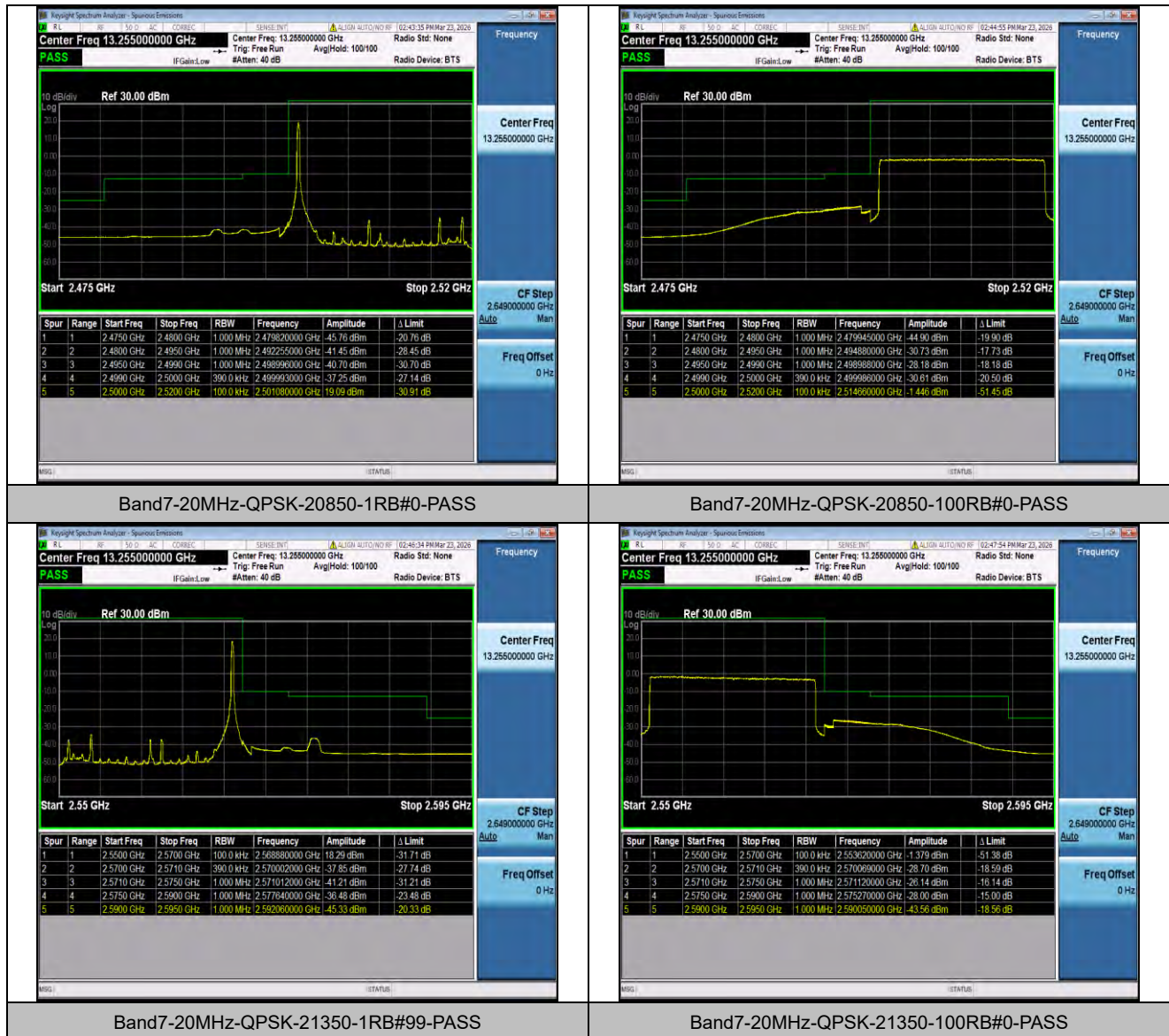


Band Edge

Test Graphs

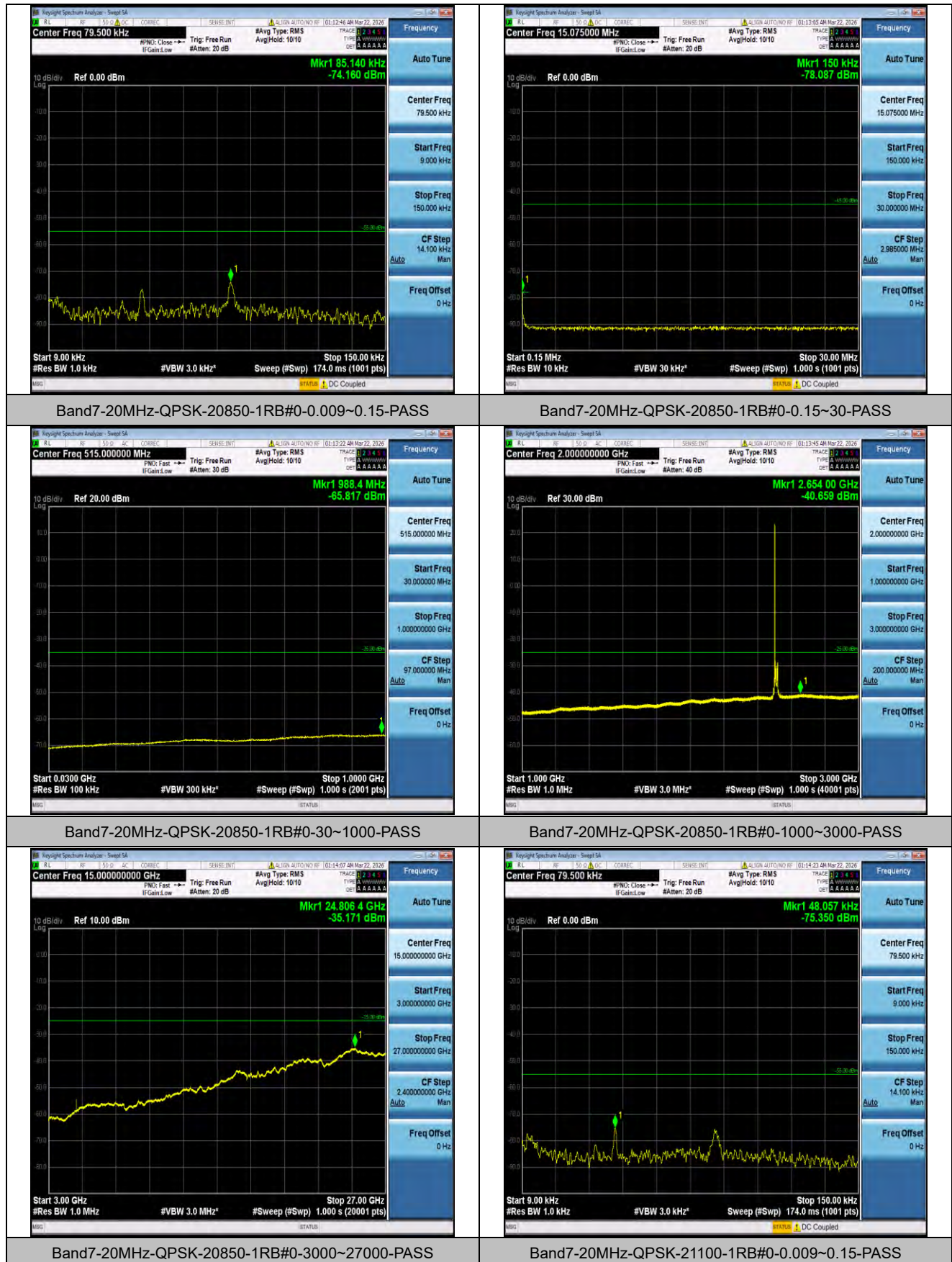


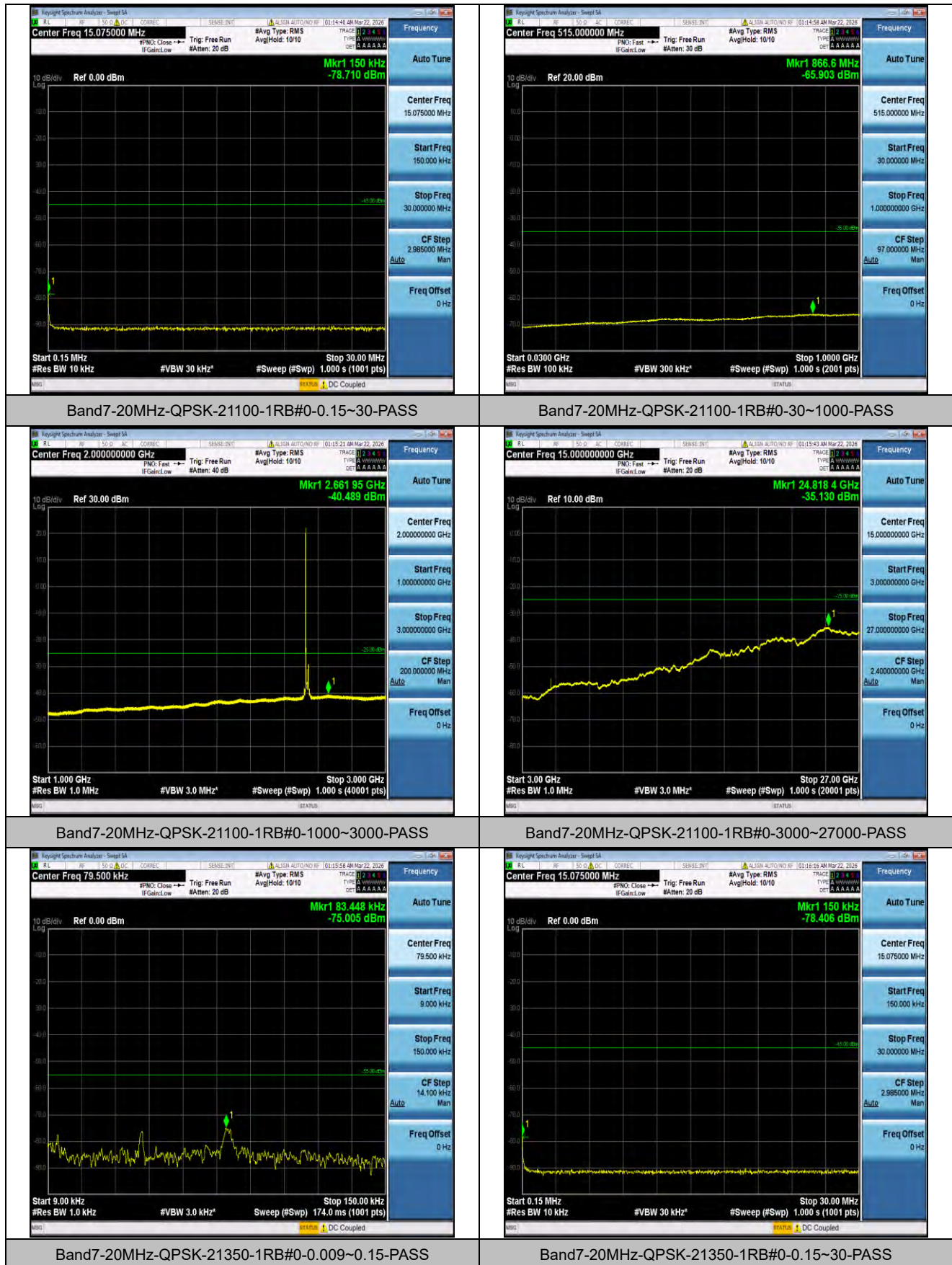


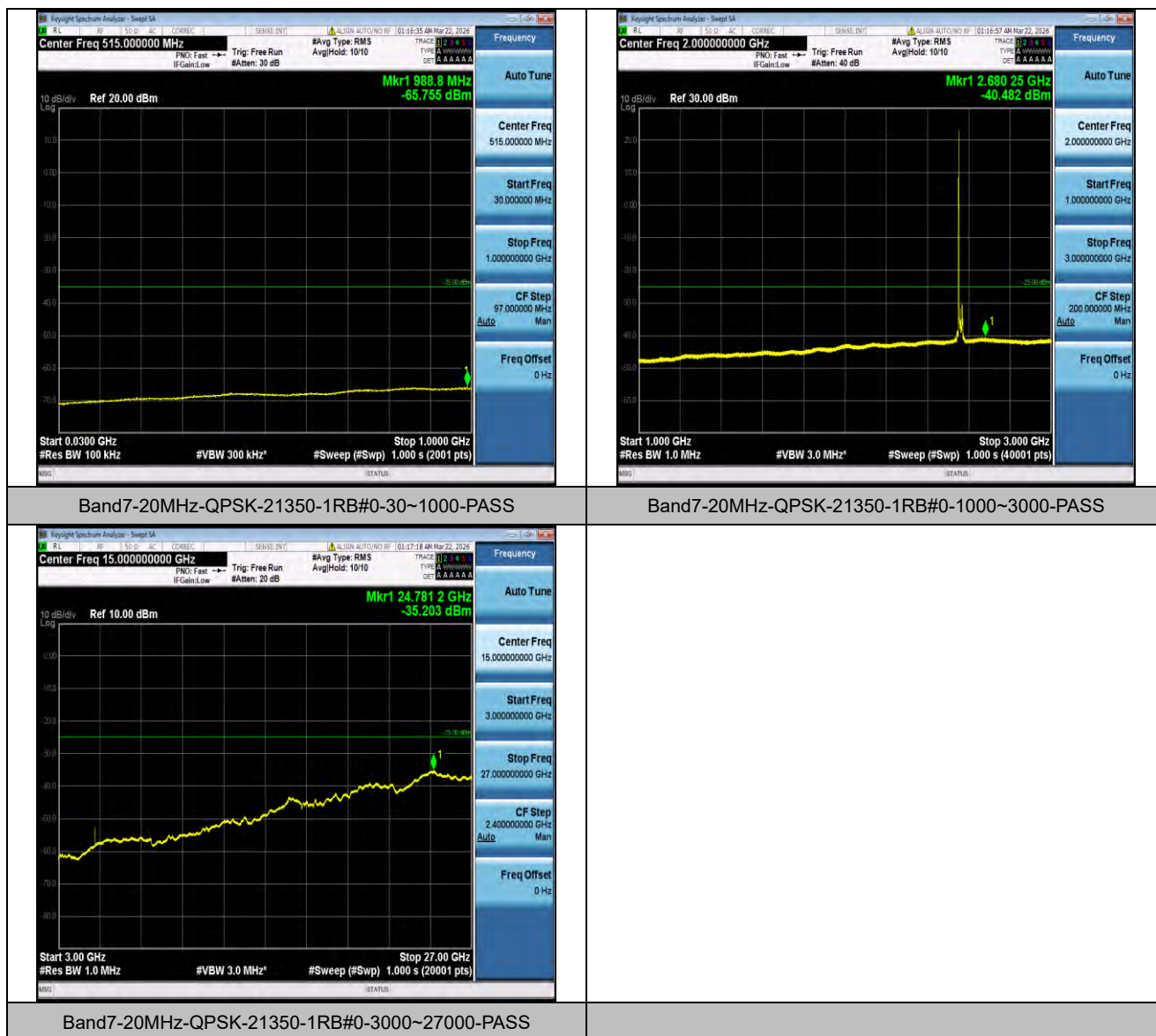


Conducted Spurious Emission

Test Graphs







Frequency Stability

Test Result

Voltage									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	-15.00	-0.005917	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	0.70	0.000276	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	12.10	0.004773	PASS

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	-29.90	-0.011795	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	8.20	0.003235	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	6.20	0.002446	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	-20.70	-0.008166	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	-6.60	-0.002604	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	-28.30	-0.011164	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	-14.80	-0.005838	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-11.90	-0.004694	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	-15.50	-0.006114	PASS

~The End~