

Appendix-A LTE Band 30

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Verdict
Band30	5MHz	QPSK	27685	1RB#0	22	22.98	PASS
Band30	5MHz	QPSK	27685	1RB#12	21.87	22.85	PASS
Band30	5MHz	QPSK	27685	1RB#24	22.02	23	PASS
Band30	5MHz	QPSK	27685	25RB#0	21.47	22.45	PASS
Band30	5MHz	QPSK	27710	1RB#0	21.98	22.96	PASS
Band30	5MHz	QPSK	27710	1RB#12	22.03	23.01	PASS
Band30	5MHz	QPSK	27710	1RB#24	21.92	22.9	PASS
Band30	5MHz	QPSK	27710	25RB#0	21.52	22.5	PASS
Band30	5MHz	QPSK	27735	1RB#0	22.06	23.04	PASS
Band30	5MHz	QPSK	27735	1RB#12	21.99	22.97	PASS
Band30	5MHz	QPSK	27735	1RB#24	21.95	22.93	PASS
Band30	5MHz	QPSK	27735	25RB#0	21.49	22.47	PASS
Band30	5MHz	16QAM	27685	1RB#0	20.99	21.97	PASS
Band30	5MHz	16QAM	27685	1RB#12	21.13	22.11	PASS
Band30	5MHz	16QAM	27685	1RB#24	21	21.98	PASS
Band30	5MHz	16QAM	27685	25RB#0	20.52	21.5	PASS
Band30	5MHz	16QAM	27710	1RB#0	21.18	22.16	PASS
Band30	5MHz	16QAM	27710	1RB#12	21.08	22.06	PASS
Band30	5MHz	16QAM	27710	1RB#24	20.87	21.85	PASS
Band30	5MHz	16QAM	27710	25RB#0	20.48	21.46	PASS
Band30	5MHz	16QAM	27735	1RB#0	21.12	22.1	PASS
Band30	5MHz	16QAM	27735	1RB#12	20.98	21.96	PASS
Band30	5MHz	16QAM	27735	1RB#24	20.99	21.97	PASS
Band30	5MHz	16QAM	27735	25RB#0	20.52	21.5	PASS
Band30	5MHz	64QAM	27685	1RB#0	20.48	21.46	PASS
Band30	5MHz	64QAM	27685	1RB#12	20.42	21.4	PASS
Band30	5MHz	64QAM	27685	1RB#24	20.53	21.51	PASS
Band30	5MHz	64QAM	27685	25RB#0	19.39	20.37	PASS
Band30	5MHz	64QAM	27710	1RB#0	20.38	21.36	PASS
Band30	5MHz	64QAM	27710	1RB#12	20.58	21.56	PASS
Band30	5MHz	64QAM	27710	1RB#24	20.53	21.51	PASS
Band30	5MHz	64QAM	27710	25RB#0	19.53	20.51	PASS
Band30	5MHz	64QAM	27735	1RB#0	20.09	21.07	PASS
Band30	5MHz	64QAM	27735	1RB#12	20.03	21.01	PASS
Band30	5MHz	64QAM	27735	1RB#24	20.14	21.12	PASS
Band30	5MHz	64QAM	27735	25RB#0	19.48	20.46	PASS

Band30	10MHz	QPSK	27710	1RB#0	21.93	22.91	PASS
Band30	10MHz	QPSK	27710	1RB#24	21.94	22.92	PASS
Band30	10MHz	QPSK	27710	1RB#49	21.95	22.93	PASS
Band30	10MHz	QPSK	27710	50RB#0	21.53	22.51	PASS
Band30	10MHz	16QAM	27710	1RB#0	20.86	21.84	PASS
Band30	10MHz	16QAM	27710	1RB#24	21.17	22.15	PASS
Band30	10MHz	16QAM	27710	1RB#49	20.78	21.76	PASS
Band30	10MHz	16QAM	27710	50RB#0	20.44	21.42	PASS
Band30	10MHz	64QAM	27710	1RB#0	20.06	21.04	PASS
Band30	10MHz	64QAM	27710	1RB#24	20.12	21.1	PASS
Band30	10MHz	64QAM	27710	1RB#49	20.13	21.11	PASS
Band30	10MHz	64QAM	27710	50RB#0	19.42	20.4	PASS

Maximum EIRP and Maximum PSD

Test Result

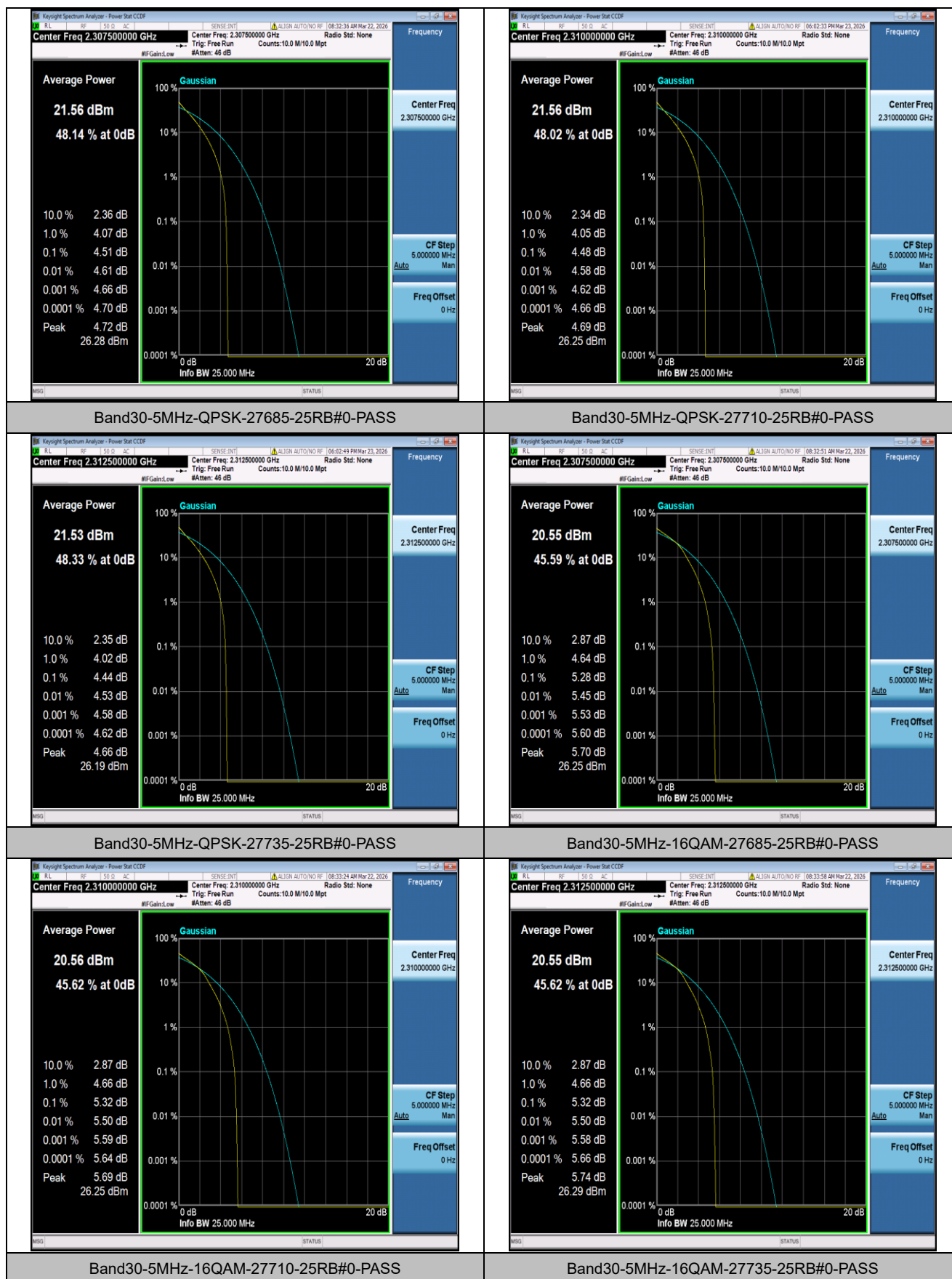
Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm/5MHz)	EIRP (dBm/5MHz)	Limit (dBm/5MHz)	Verdict
Band30	5MHz	QPSK	27685	1RB#0	22.87	23.85	23.98	PASS
Band30	5MHz	QPSK	27685	1RB#12	22.97	23.95	23.98	PASS
Band30	5MHz	QPSK	27685	1RB#24	23	23.98	23.98	PASS
Band30	5MHz	QPSK	27685	25RB#0	21.06	22.04	23.98	PASS
Band30	5MHz	QPSK	27710	1RB#0	22.97	23.95	23.98	PASS
Band30	5MHz	QPSK	27710	1RB#12	22.53	23.51	23.98	PASS
Band30	5MHz	QPSK	27710	1RB#24	22.49	23.47	23.98	PASS
Band30	5MHz	QPSK	27710	25RB#0	21.1	22.08	23.98	PASS
Band30	5MHz	QPSK	27735	1RB#0	22.87	23.85	23.98	PASS
Band30	5MHz	QPSK	27735	1RB#12	22.63	23.61	23.98	PASS
Band30	5MHz	QPSK	27735	1RB#24	22.46	23.44	23.98	PASS
Band30	5MHz	QPSK	27735	25RB#0	21.09	22.07	23.98	PASS
Band30	10MHz	QPSK	27710	1RB#0	22.51	23.49	23.98	PASS
Band30	10MHz	QPSK	27710	1RB#24	22.53	23.51	23.98	PASS
Band30	10MHz	QPSK	27710	1RB#49	22.57	23.55	23.98	PASS
Band30	10MHz	QPSK	27710	50RB#0	19.06	20.04	23.98	PASS

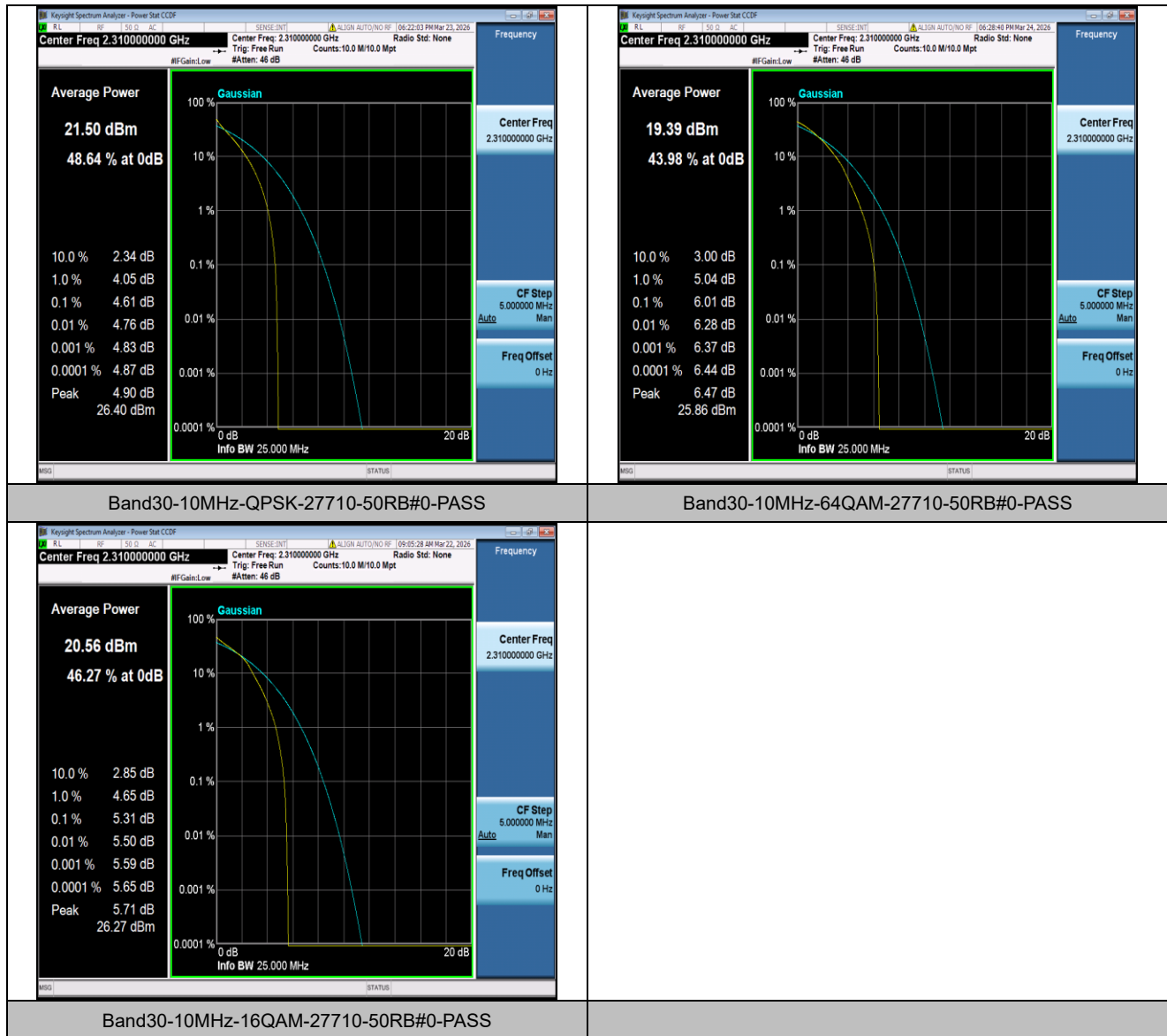
Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band30	5MHz	QPSK	27685	25RB#0	4.51	13	PASS
Band30	5MHz	QPSK	27710	25RB#0	4.48	13	PASS
Band30	5MHz	QPSK	27735	25RB#0	4.44	13	PASS
Band30	5MHz	16QAM	27685	25RB#0	5.28	13	PASS
Band30	5MHz	16QAM	27710	25RB#0	5.32	13	PASS
Band30	5MHz	16QAM	27735	25RB#0	5.32	13	PASS
Band30	10MHz	QPSK	27710	50RB#0	4.61	13	PASS
Band30	10MHz	64QAM	27710	50RB#0	6.01	13	PASS
Band30	10MHz	16QAM	27710	50RB#0	5.31	13	PASS

Test Graphs



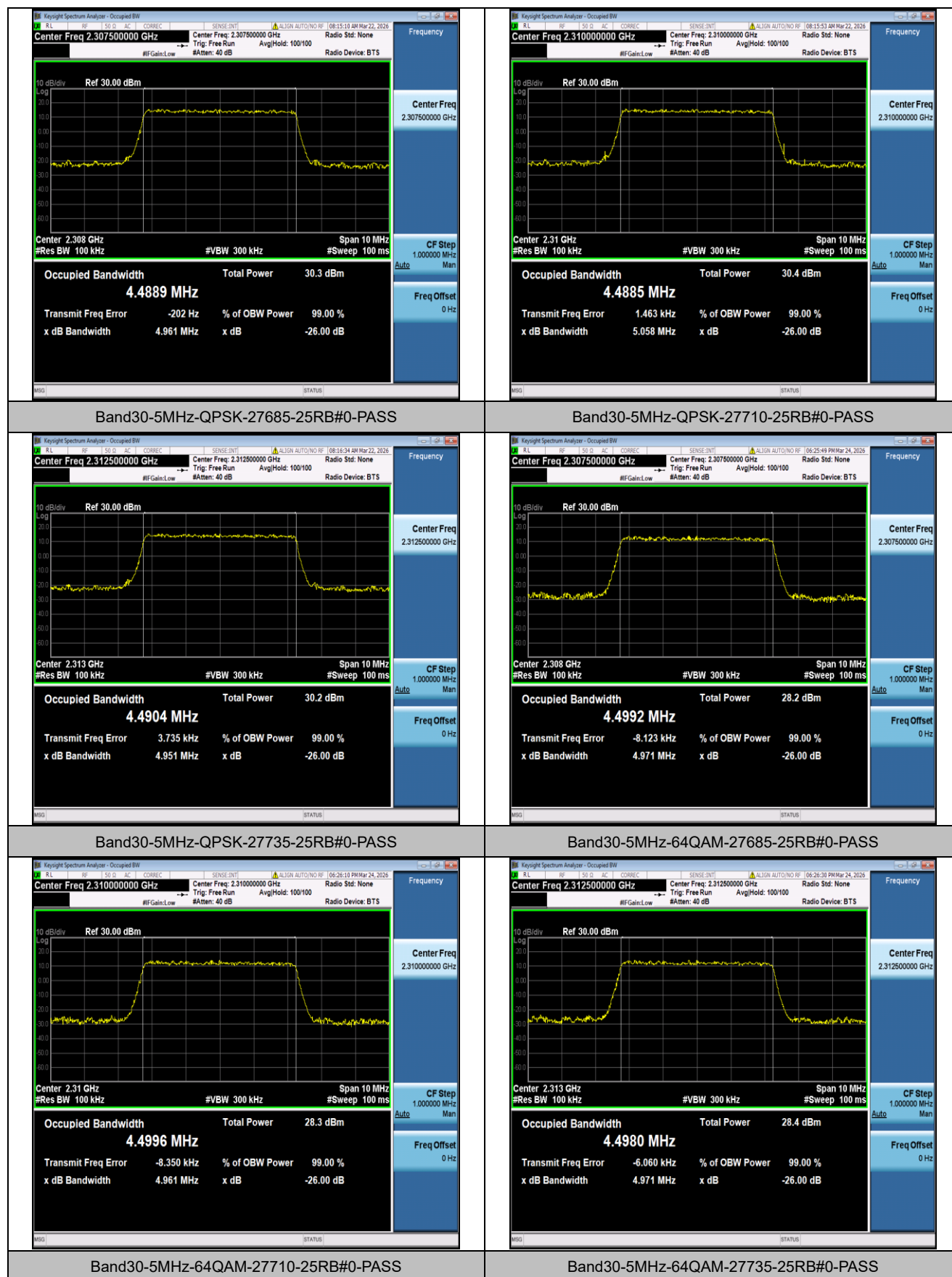


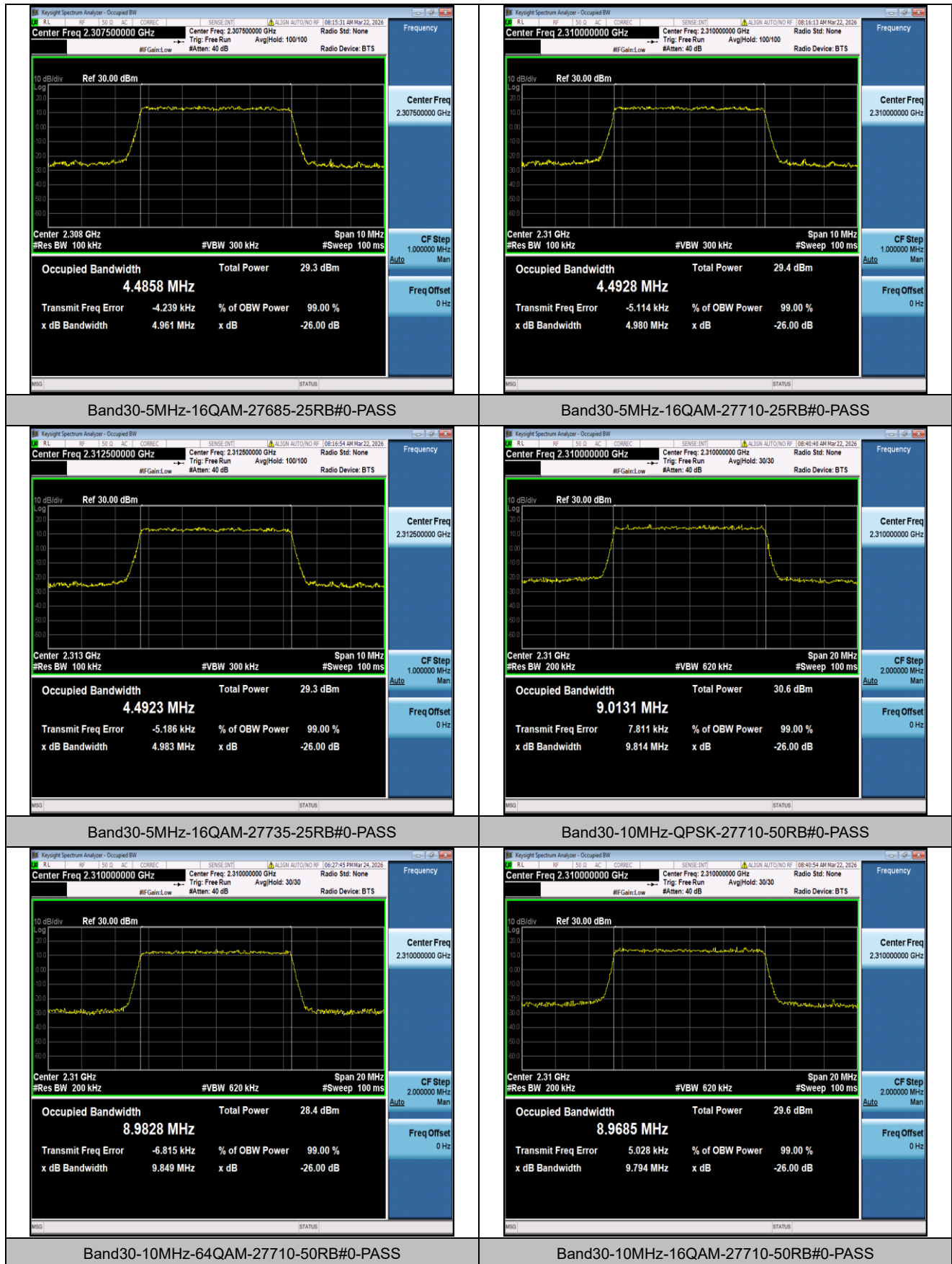
26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band30	5MHz	QPSK	27685	25RB#0	4.4889	4.961	PASS
Band30	5MHz	QPSK	27710	25RB#0	4.4885	5.058	PASS
Band30	5MHz	QPSK	27735	25RB#0	4.4904	4.951	PASS
Band30	5MHz	64QAM	27685	25RB#0	4.4992	4.971	PASS
Band30	5MHz	64QAM	27710	25RB#0	4.4996	4.961	PASS
Band30	5MHz	64QAM	27735	25RB#0	4.4980	4.971	PASS
Band30	5MHz	16QAM	27685	25RB#0	4.4858	4.961	PASS
Band30	5MHz	16QAM	27710	25RB#0	4.4928	4.980	PASS
Band30	5MHz	16QAM	27735	25RB#0	4.4923	4.983	PASS
Band30	10MHz	QPSK	27710	50RB#0	9.0131	9.814	PASS
Band30	10MHz	64QAM	27710	50RB#0	8.9828	9.849	PASS
Band30	10MHz	16QAM	27710	50RB#0	8.9685	9.794	PASS

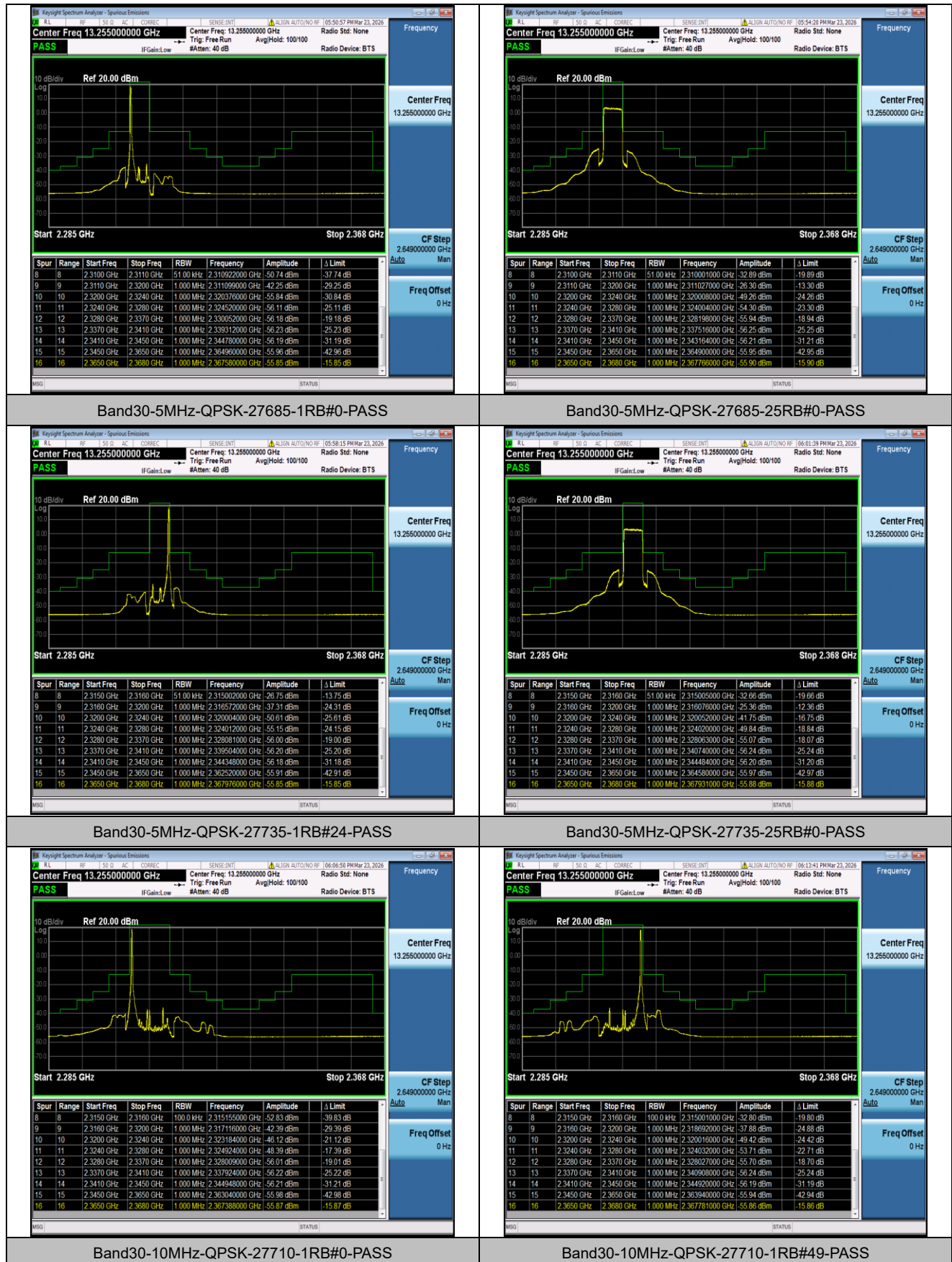
Test Graphs

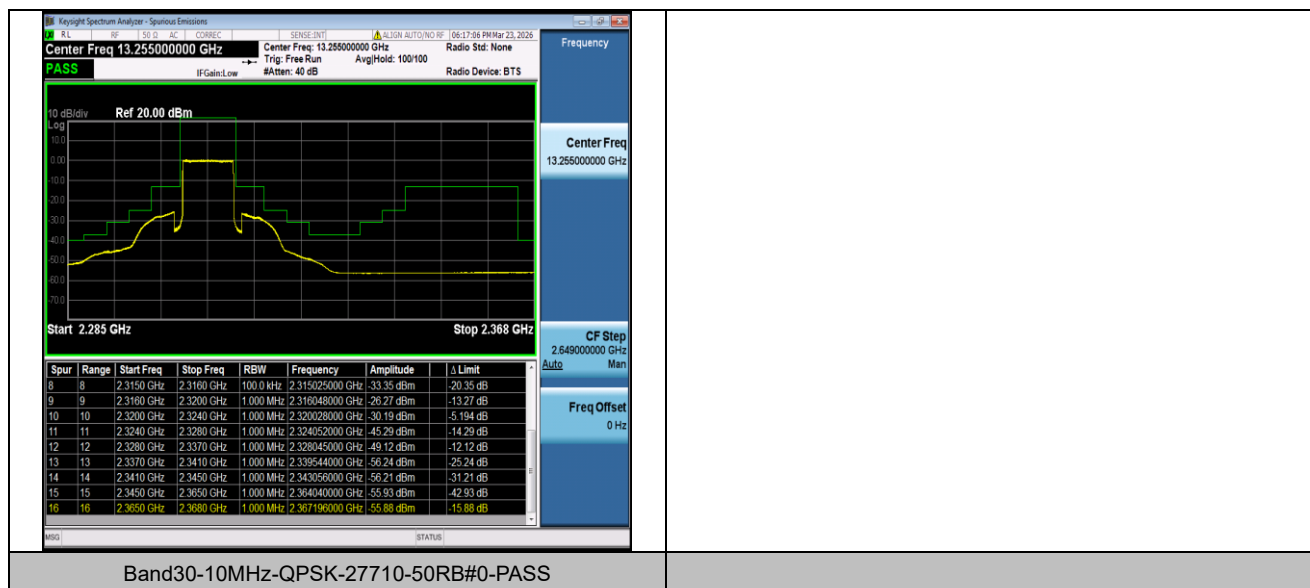




Band Edge

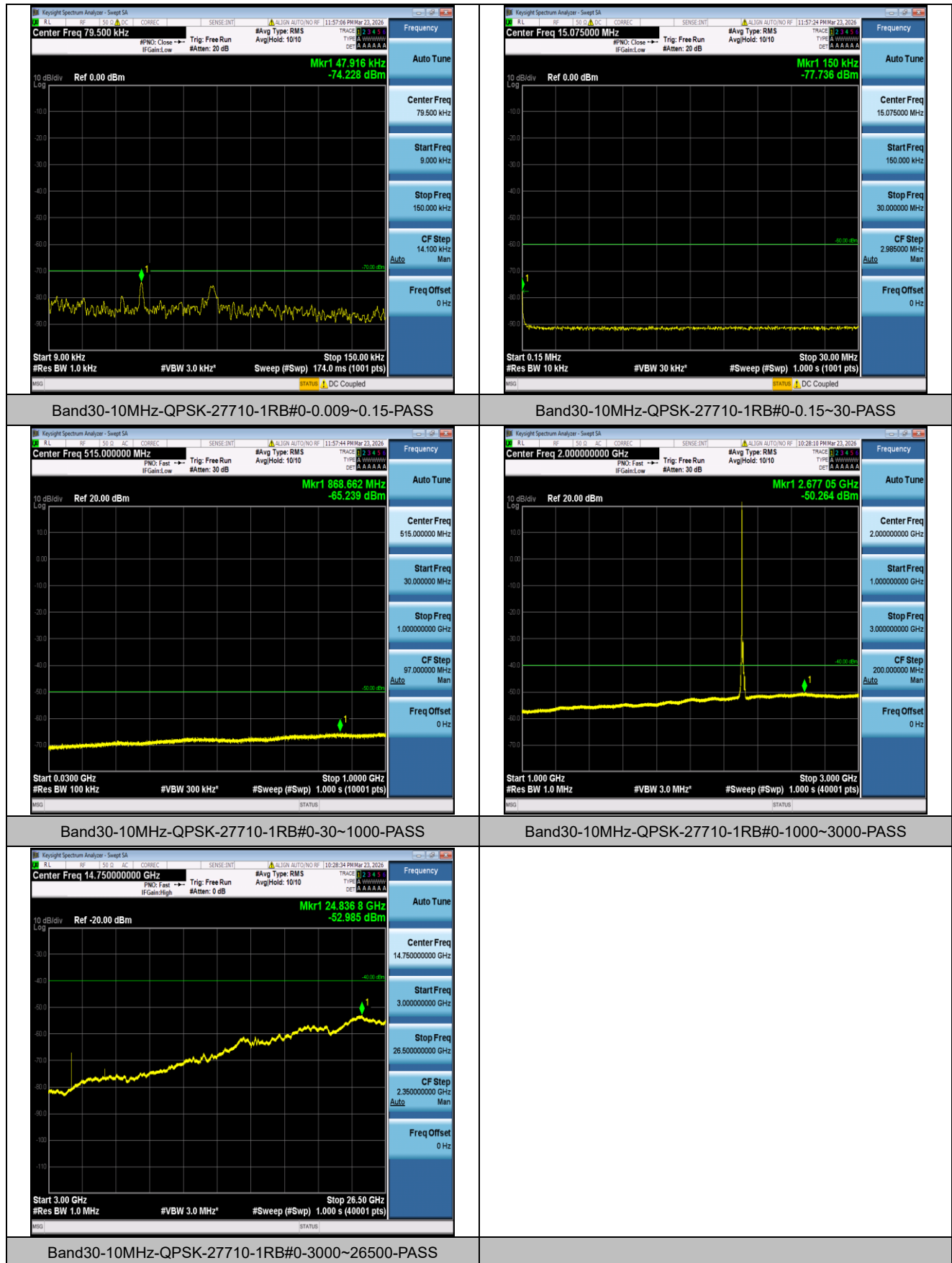
Test Graphs





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
Band30	10MHz	QPSK	27710	50RB#0	VN	NT	-18.10	-0.007835	PASS
Band30	10MHz	QPSK	27710	50RB#0	VL	NT	5.20	0.002251	PASS
Band30	10MHz	QPSK	27710	50RB#0	VH	NT	-4.00	-0.001732	PASS

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band30	10MHz	QPSK	27710	50RB#0	NV	-30	1.40	0.000606	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	-20	6.00	0.002597	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	-10	15.10	0.006537	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	0	-3.10	-0.001342	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	10	1.30	0.000563	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	20	-7.00	-0.003030	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	30	-17.00	-0.007359	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	40	23.50	0.010173	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	50	-2.80	-0.001212	PASS

~The End~