

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	22.1	23.4	PASS
Band30	5MHz	QPSK	27685	1RB#12	22.16	23.46	PASS
Band30	5MHz	QPSK	27685	1RB#24	22.05	23.35	PASS
Band30	5MHz	QPSK	27685	25RB#0	21.23	22.53	PASS
Band30	5MHz	16QAM	27685	1RB#0	21.08	22.38	PASS
Band30	5MHz	16QAM	27685	1RB#12	21.25	22.55	PASS
Band30	5MHz	16QAM	27685	1RB#24	20.93	22.23	PASS
Band30	5MHz	16QAM	27685	25RB#0	20.18	21.48	PASS
Band30	5MHz	64QAM	27685	1RB#0	20.49	21.79	PASS
Band30	5MHz	64QAM	27685	1RB#12	20.37	21.67	PASS
Band30	5MHz	64QAM	27685	1RB#24	20.49	21.79	PASS
Band30	5MHz	64QAM	27685	25RB#0	19.4	20.7	PASS
Band30	5MHz	QPSK	27710	1RB#0	22.12	23.42	PASS
Band30	5MHz	QPSK	27710	1RB#12	22.16	23.46	PASS
Band30	5MHz	QPSK	27710	1RB#24	21.99	23.29	PASS
Band30	5MHz	QPSK	27710	25RB#0	21.08	22.38	PASS
Band30	5MHz	16QAM	27710	1RB#0	21.03	22.33	PASS
Band30	5MHz	16QAM	27710	1RB#12	21.12	22.42	PASS
Band30	5MHz	16QAM	27710	1RB#24	21.05	22.35	PASS
Band30	5MHz	16QAM	27710	25RB#0	20.07	21.37	PASS
Band30	5MHz	64QAM	27710	1RB#0	20.41	21.71	PASS
Band30	5MHz	64QAM	27710	1RB#12	20.55	21.85	PASS
Band30	5MHz	64QAM	27710	1RB#24	20.29	21.59	PASS
Band30	5MHz	64QAM	27710	25RB#0	19.28	20.58	PASS
Band30	5MHz	QPSK	27735	1RB#0	22.08	23.38	PASS
Band30	5MHz	QPSK	27735	1RB#12	22.13	23.43	PASS
Band30	5MHz	QPSK	27735	1RB#24	22.04	23.34	PASS
Band30	5MHz	QPSK	27735	25RB#0	21.17	22.47	PASS
Band30	5MHz	16QAM	27735	1RB#0	21.18	22.48	PASS
Band30	5MHz	16QAM	27735	1RB#12	21.18	22.48	PASS
Band30	5MHz	16QAM	27735	1RB#24	21.08	22.38	PASS
Band30	5MHz	16QAM	27735	25RB#0	20.19	21.49	PASS
Band30	5MHz	64QAM	27735	1RB#0	20.48	21.78	PASS
Band30	5MHz	64QAM	27735	1RB#12	20.66	21.96	PASS
Band30	5MHz	64QAM	27735	1RB#24	20.09	21.39	PASS
Band30	5MHz	64QAM	27735	25RB#0	19.3	20.6	PASS
Band30	10MHz	QPSK	27710	1RB#0	22.13	23.43	PASS

Band30	10MHz	QPSK	27710	1RB#24	22.2	23.5	PASS
Band30	10MHz	QPSK	27710	1RB#49	22.04	23.34	PASS
Band30	10MHz	QPSK	27710	50RB#0	21.13	22.43	PASS
Band30	10MHz	16QAM	27710	1RB#0	21.28	22.58	PASS
Band30	10MHz	16QAM	27710	1RB#24	21.13	22.43	PASS
Band30	10MHz	16QAM	27710	1RB#49	21.22	22.52	PASS
Band30	10MHz	16QAM	27710	50RB#0	20.07	21.37	PASS
Band30	10MHz	64QAM	27710	1RB#0	20.64	21.94	PASS
Band30	10MHz	64QAM	27710	1RB#24	20.47	21.77	PASS
Band30	10MHz	64QAM	27710	1RB#49	20.62	21.92	PASS
Band30	10MHz	64QAM	27710	50RB#0	19.29	20.59	PASS

Maximum EIRP and Maximum PSD

Test Result

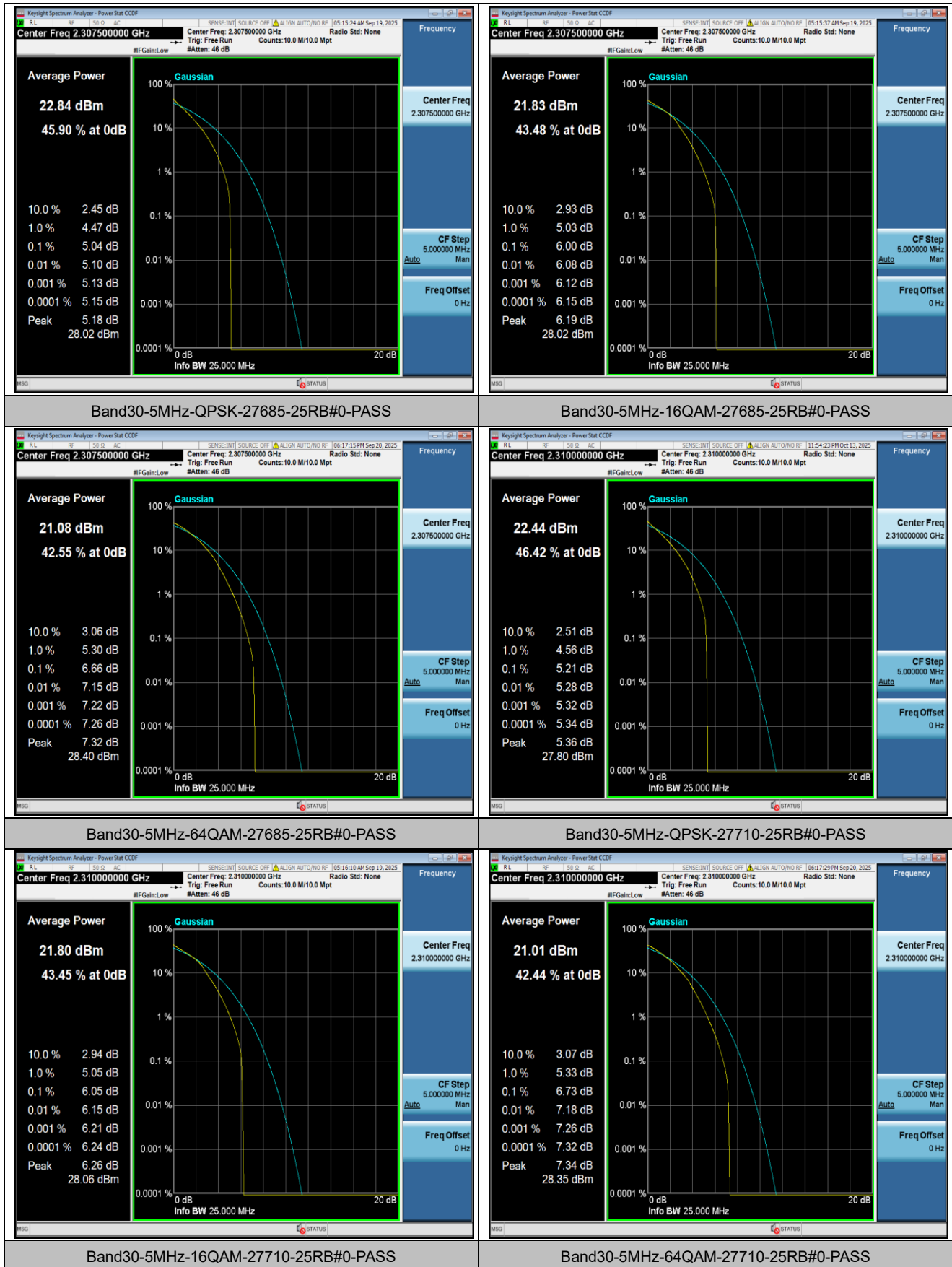
Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm/5MHz)	Result (dBm/5MHz)	Result (dBm/5MHz)	Verdict
Band30	5MHz	QPSK	27685	1RB#0	22.07	23.37	23.98	PASS
Band30	5MHz	QPSK	27685	1RB#12	22.21	23.51	23.98	PASS
Band30	5MHz	QPSK	27685	1RB#24	22.19	23.49	23.98	PASS
Band30	5MHz	QPSK	27685	25RB#0	20.16	21.46	23.98	PASS
Band30	5MHz	QPSK	27710	1RB#0	22.11	23.41	23.98	PASS
Band30	5MHz	QPSK	27710	1RB#12	22.19	23.49	23.98	PASS
Band30	5MHz	QPSK	27710	1RB#24	22.18	23.48	23.98	PASS
Band30	5MHz	QPSK	27710	25RB#0	20.11	21.41	23.98	PASS
Band30	5MHz	QPSK	27735	1RB#0	22.12	23.42	23.98	PASS
Band30	5MHz	QPSK	27735	1RB#12	22.14	23.44	23.98	PASS
Band30	5MHz	QPSK	27735	1RB#24	22.07	23.37	23.98	PASS
Band30	5MHz	QPSK	27735	25RB#0	20.17	21.47	23.98	PASS
Band30	10MHz	QPSK	27710	1RB#0	22.14	23.44	23.98	PASS
Band30	10MHz	QPSK	27710	1RB#24	22.19	23.49	23.98	PASS
Band30	10MHz	QPSK	27710	1RB#49	22.13	23.43	23.98	PASS
Band30	10MHz	QPSK	27710	50RB#0	18.26	19.56	23.98	PASS

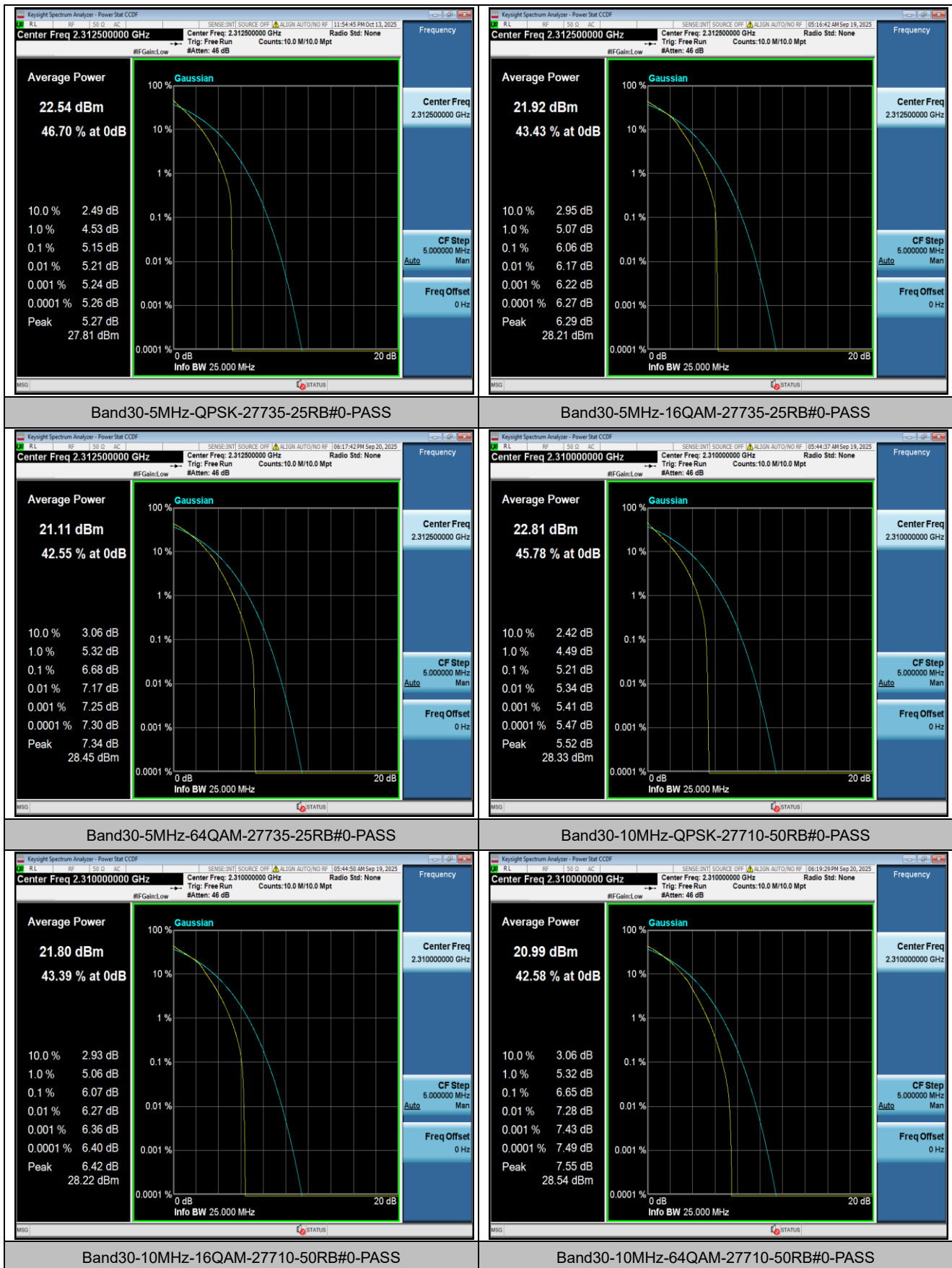
Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band30	5MHz	QPSK	27685	25RB#0	5.04	13	PASS
Band30	5MHz	16QAM	27685	25RB#0	6.00	13	PASS
Band30	5MHz	64QAM	27685	25RB#0	6.66	13	PASS
Band30	5MHz	QPSK	27710	25RB#0	5.21	13	PASS
Band30	5MHz	16QAM	27710	25RB#0	6.05	13	PASS
Band30	5MHz	64QAM	27710	25RB#0	6.73	13	PASS
Band30	5MHz	QPSK	27735	25RB#0	5.15	13	PASS
Band30	5MHz	16QAM	27735	25RB#0	6.06	13	PASS
Band30	5MHz	64QAM	27735	25RB#0	6.68	13	PASS
Band30	10MHz	QPSK	27710	50RB#0	5.21	13	PASS
Band30	10MHz	16QAM	27710	50RB#0	6.07	13	PASS
Band30	10MHz	64QAM	27710	50RB#0	6.65	13	PASS

Test Graphs





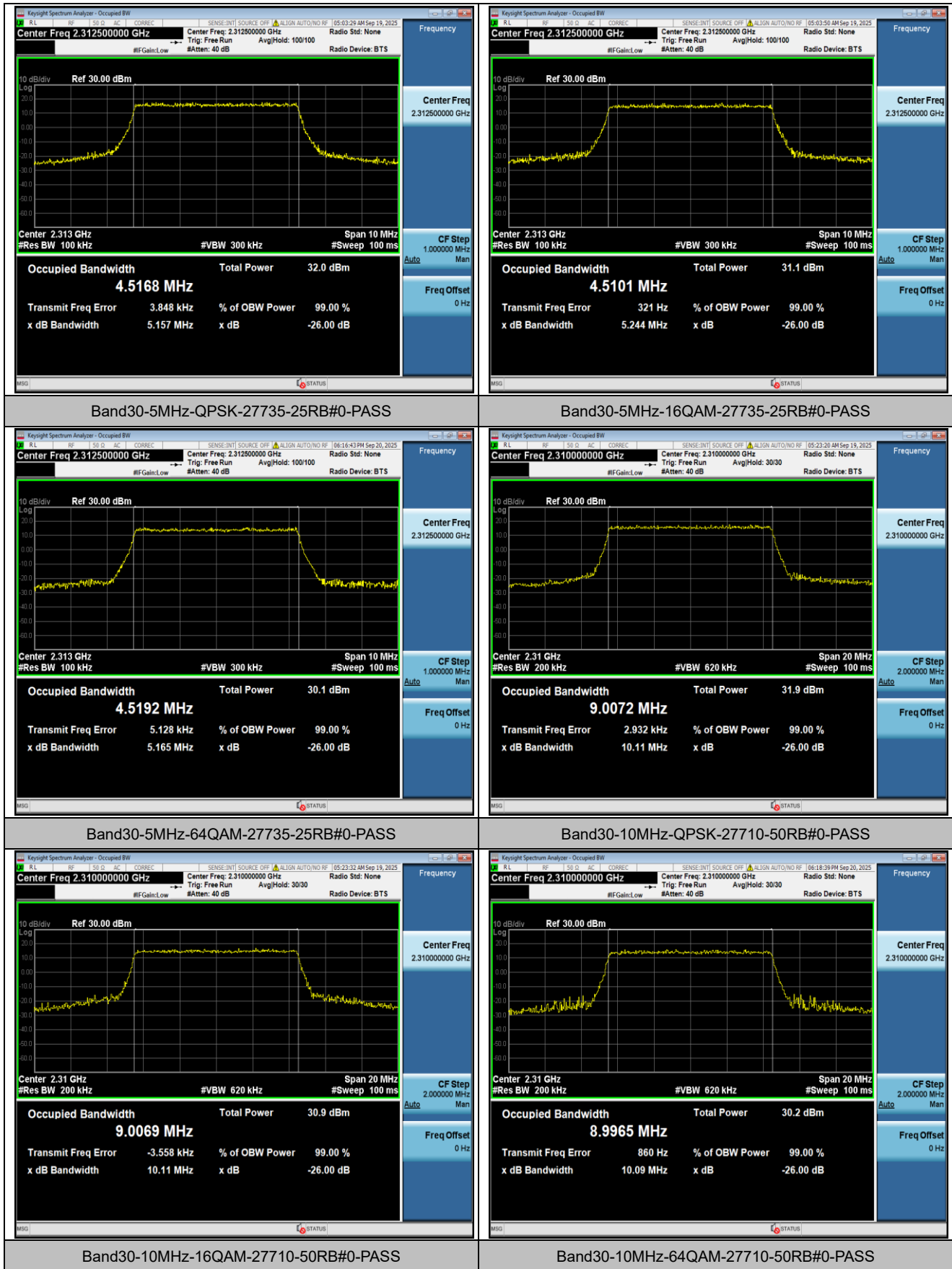
26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band30	5MHz	QPSK	27685	25RB#0	4.5132	5.113	PASS
Band30	5MHz	16QAM	27685	25RB#0	4.5134	5.218	PASS
Band30	5MHz	64QAM	27685	25RB#0	4.5091	5.164	PASS
Band30	5MHz	QPSK	27710	25RB#0	4.5145	5.167	PASS
Band30	5MHz	16QAM	27710	25RB#0	4.5118	5.162	PASS
Band30	5MHz	64QAM	27710	25RB#0	4.5091	5.192	PASS
Band30	5MHz	QPSK	27735	25RB#0	4.5168	5.157	PASS
Band30	5MHz	16QAM	27735	25RB#0	4.5101	5.244	PASS
Band30	5MHz	64QAM	27735	25RB#0	4.5192	5.165	PASS
Band30	10MHz	QPSK	27710	50RB#0	9.0072	10.11	PASS
Band30	10MHz	16QAM	27710	50RB#0	9.0069	10.11	PASS
Band30	10MHz	64QAM	27710	50RB#0	8.9965	10.09	PASS

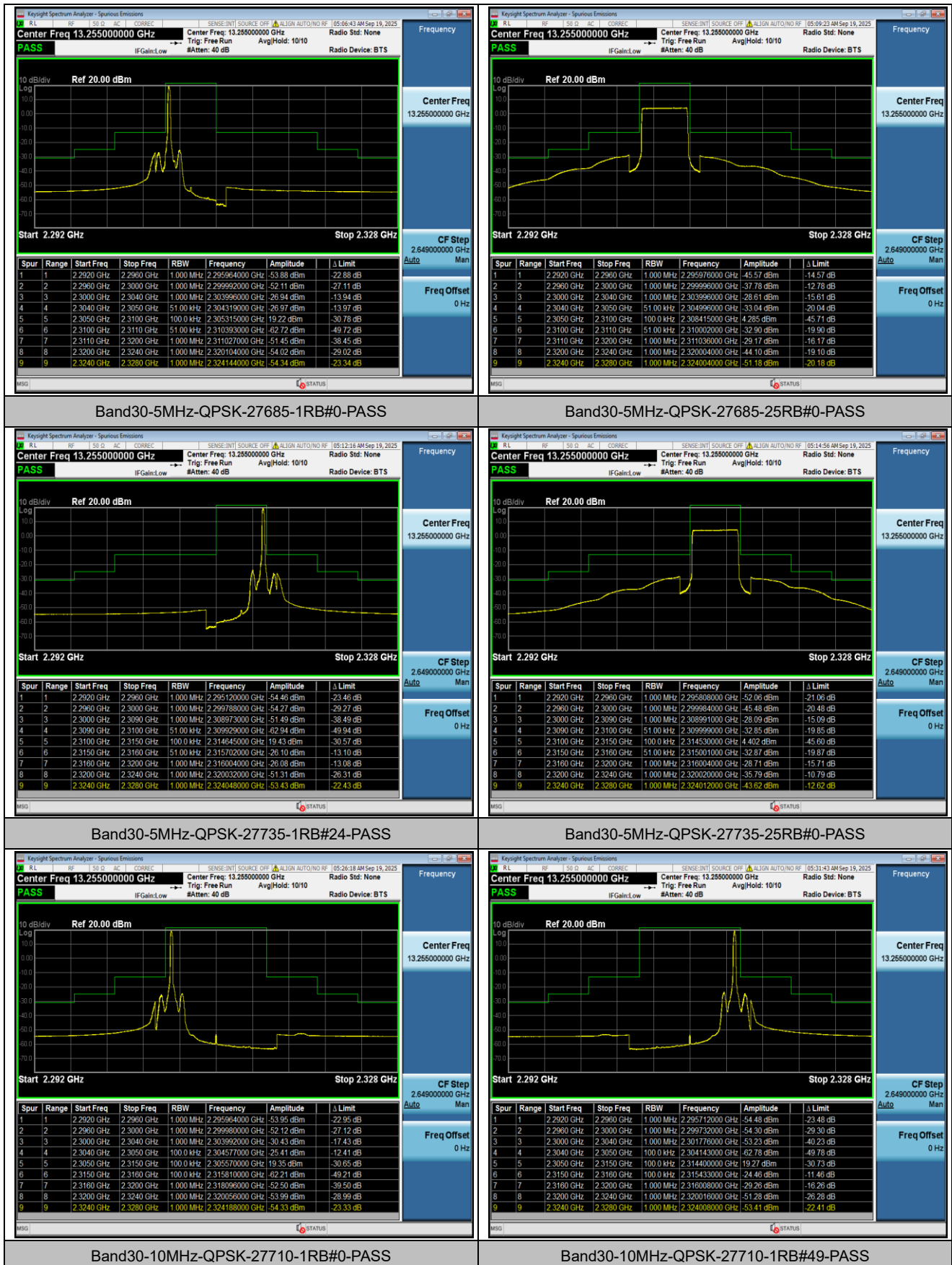
Test Graphs





Band Edge

Test Graphs

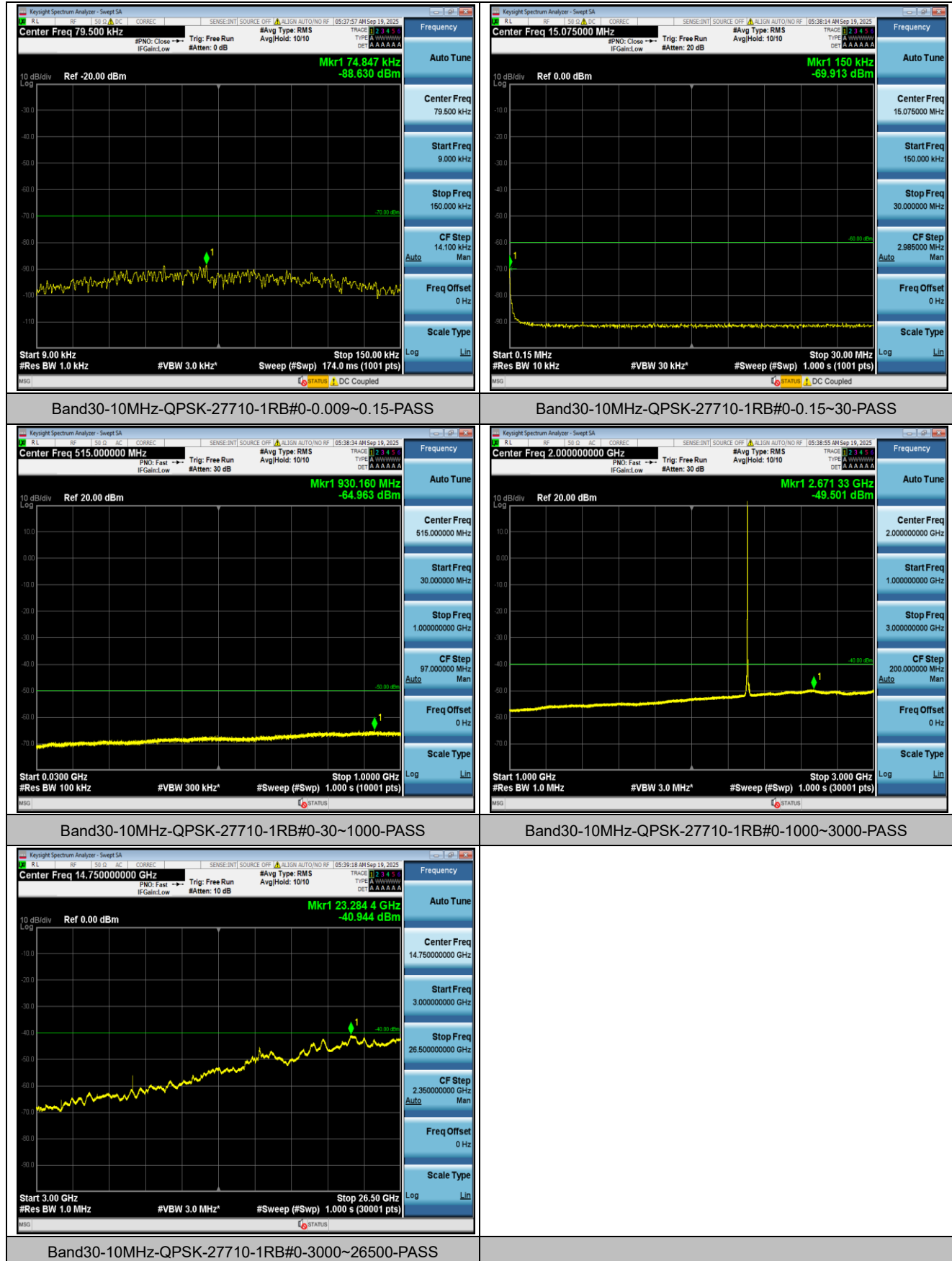




Band30-10MHz-QPSK-27710-50RB#0-PASS

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	1.20	0.000519	PASS
Band30	10MHz	QPSK	27710	50RB#0	VL	NT	-2.00	-0.000866	PASS
Band30	10MHz	QPSK	27710	50RB#0	VH	NT	-2.30	-0.000996	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	-1.20	-0.000519	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	-20	-2.20	-0.000952	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	-10	-0.80	-0.000346	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	0	-1.20	-0.000519	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	10	-0.90	-0.000390	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	20	0.00	0.000000	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	30	-0.90	-0.000390	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	40	-0.30	-0.000130	PASS
Band30	10MHz	QPSK	27710	50RB#0	NV	50	-0.40	-0.000173	PASS

~The End~