

Appendix-A LTE Band 14

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band14	5MHz	QPSK	23305	1RB#0	23.18	22.51	34.77	PASS
Band14	5MHz	QPSK	23305	1RB#12	23.14	22.47	34.77	PASS
Band14	5MHz	QPSK	23305	1RB#24	23.2	22.53	34.77	PASS
Band14	5MHz	QPSK	23305	25RB#0	22.33	21.66	34.77	PASS
Band14	5MHz	16QAM	23305	1RB#0	22.13	21.46	34.77	PASS
Band14	5MHz	16QAM	23305	1RB#12	22.22	21.55	34.77	PASS
Band14	5MHz	16QAM	23305	1RB#24	22.23	21.56	34.77	PASS
Band14	5MHz	16QAM	23305	25RB#0	21.3	20.63	34.77	PASS
Band14	5MHz	64QAM	23305	1RB#0	21.33	20.66	34.77	PASS
Band14	5MHz	64QAM	23305	1RB#12	21.42	20.75	34.77	PASS
Band14	5MHz	64QAM	23305	1RB#24	21.49	20.82	34.77	PASS
Band14	5MHz	64QAM	23305	25RB#0	20.28	19.61	34.77	PASS
Band14	5MHz	QPSK	23330	1RB#0	23.05	22.38	34.77	PASS
Band14	5MHz	QPSK	23330	1RB#12	23.03	22.36	34.77	PASS
Band14	5MHz	QPSK	23330	1RB#24	23.01	22.34	34.77	PASS
Band14	5MHz	QPSK	23330	25RB#0	22.12	21.45	34.77	PASS
Band14	5MHz	16QAM	23330	1RB#0	22.21	21.54	34.77	PASS
Band14	5MHz	16QAM	23330	1RB#12	22	21.33	34.77	PASS
Band14	5MHz	16QAM	23330	1RB#24	22.23	21.56	34.77	PASS
Band14	5MHz	16QAM	23330	25RB#0	21.09	20.42	34.77	PASS
Band14	5MHz	64QAM	23330	1RB#0	21.39	20.72	34.77	PASS
Band14	5MHz	64QAM	23330	1RB#12	21.02	20.35	34.77	PASS
Band14	5MHz	64QAM	23330	1RB#24	21.03	20.36	34.77	PASS
Band14	5MHz	64QAM	23330	25RB#0	20.09	19.42	34.77	PASS
Band14	5MHz	QPSK	23355	1RB#0	23.21	22.54	34.77	PASS
Band14	5MHz	QPSK	23355	1RB#12	23.18	22.51	34.77	PASS
Band14	5MHz	QPSK	23355	1RB#24	23.1	22.43	34.77	PASS
Band14	5MHz	QPSK	23355	25RB#0	22.1	21.43	34.77	PASS
Band14	5MHz	16QAM	23355	1RB#0	22.12	21.45	34.77	PASS
Band14	5MHz	16QAM	23355	1RB#12	21.95	21.28	34.77	PASS
Band14	5MHz	16QAM	23355	1RB#24	21.95	21.28	34.77	PASS
Band14	5MHz	16QAM	23355	25RB#0	21.11	20.44	34.77	PASS
Band14	5MHz	64QAM	23355	1RB#0	21.06	20.39	34.77	PASS
Band14	5MHz	64QAM	23355	1RB#12	21.2	20.53	34.77	PASS
Band14	5MHz	64QAM	23355	1RB#24	21.14	20.47	34.77	PASS
Band14	5MHz	64QAM	23355	25RB#0	20.1	19.43	34.77	PASS
Band14	10MHz	QPSK	23330	1RB#0	23.09	22.42	34.77	PASS

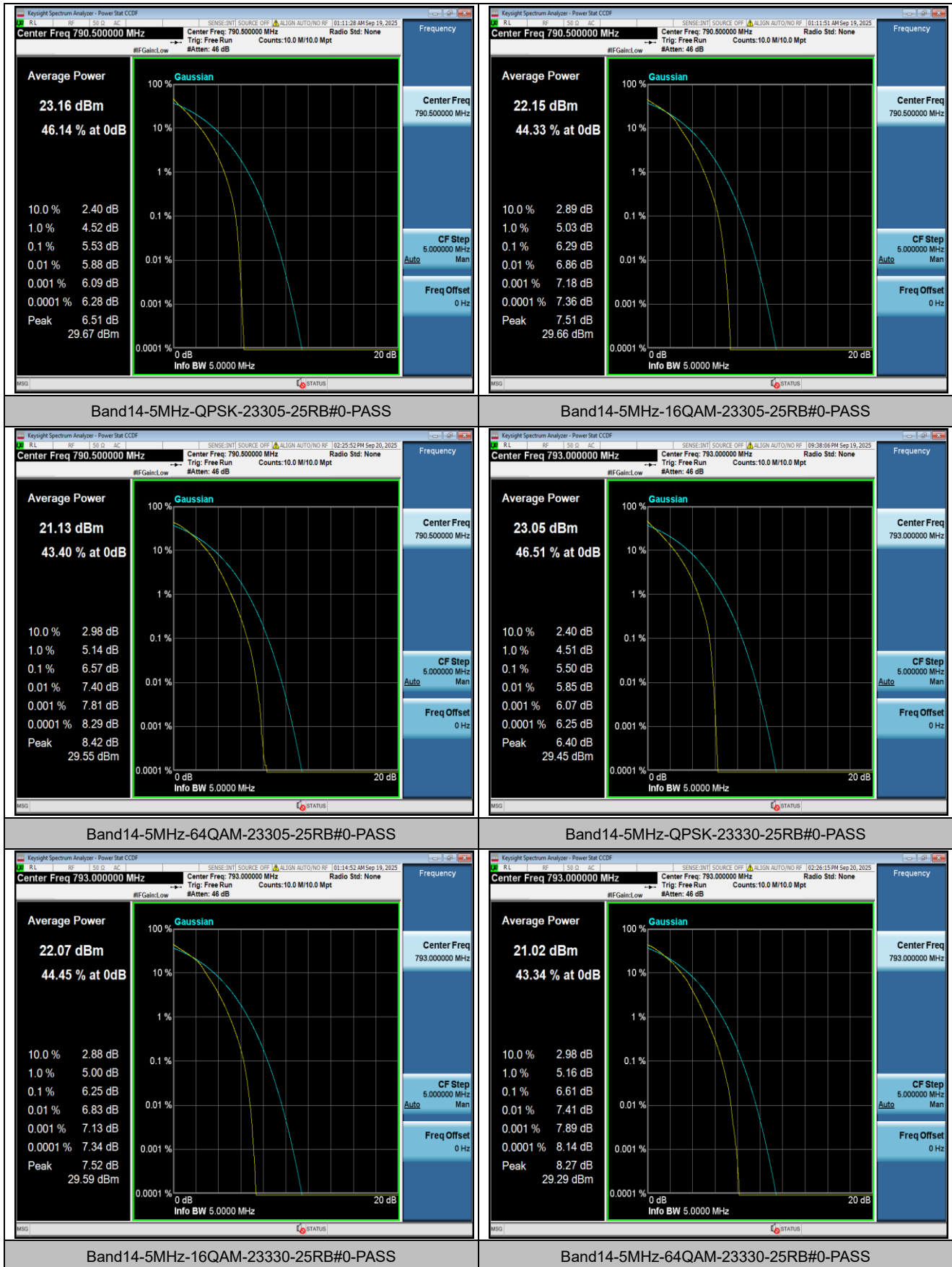
Band14	10MHz	QPSK	23330	1RB#24	23.18	22.51	34.77	PASS
Band14	10MHz	QPSK	23330	1RB#49	22.97	22.3	34.77	PASS
Band14	10MHz	QPSK	23330	50RB#0	22.24	21.57	34.77	PASS
Band14	10MHz	16QAM	23330	1RB#0	22.24	21.57	34.77	PASS
Band14	10MHz	16QAM	23330	1RB#24	22.07	21.4	34.77	PASS
Band14	10MHz	16QAM	23330	1RB#49	22.04	21.37	34.77	PASS
Band14	10MHz	16QAM	23330	50RB#0	21.23	20.56	34.77	PASS
Band14	10MHz	64QAM	23330	1RB#0	21.57	20.9	34.77	PASS
Band14	10MHz	64QAM	23330	1RB#24	21.28	20.61	34.77	PASS
Band14	10MHz	64QAM	23330	1RB#49	21.25	20.58	34.77	PASS
Band14	10MHz	64QAM	23330	50RB#0	20.13	19.46	34.77	PASS

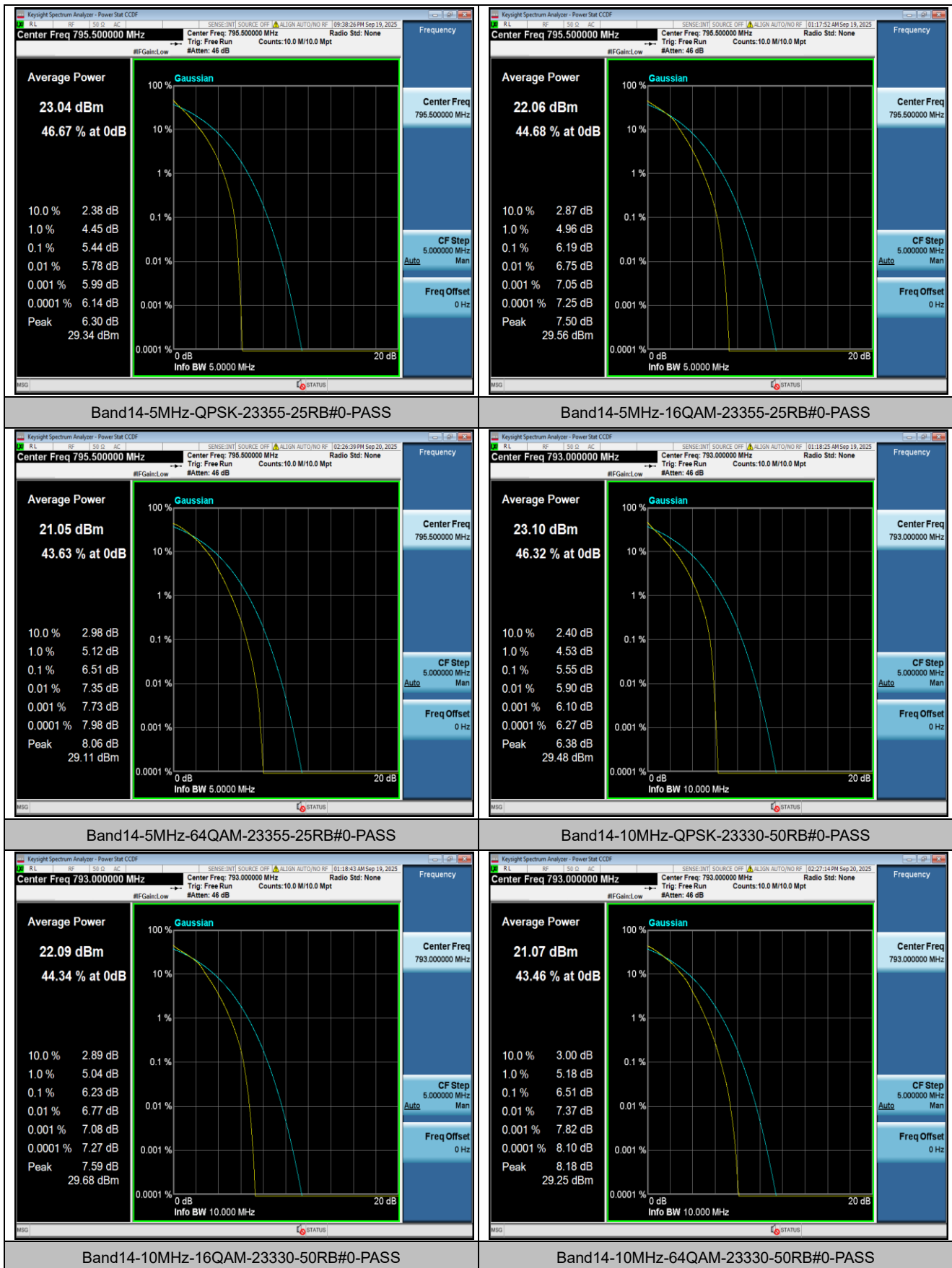
Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band14	5MHz	QPSK	23305	25RB#0	5.53	13	PASS
Band14	5MHz	16QAM	23305	25RB#0	6.29	13	PASS
Band14	5MHz	64QAM	23305	25RB#0	6.57	13	PASS
Band14	5MHz	QPSK	23330	25RB#0	5.50	13	PASS
Band14	5MHz	16QAM	23330	25RB#0	6.25	13	PASS
Band14	5MHz	64QAM	23330	25RB#0	6.61	13	PASS
Band14	5MHz	QPSK	23355	25RB#0	5.44	13	PASS
Band14	5MHz	16QAM	23355	25RB#0	6.19	13	PASS
Band14	5MHz	64QAM	23355	25RB#0	6.51	13	PASS
Band14	10MHz	QPSK	23330	50RB#0	5.55	13	PASS
Band14	10MHz	16QAM	23330	50RB#0	6.23	13	PASS
Band14	10MHz	64QAM	23330	50RB#0	6.51	13	PASS

Test Graphs





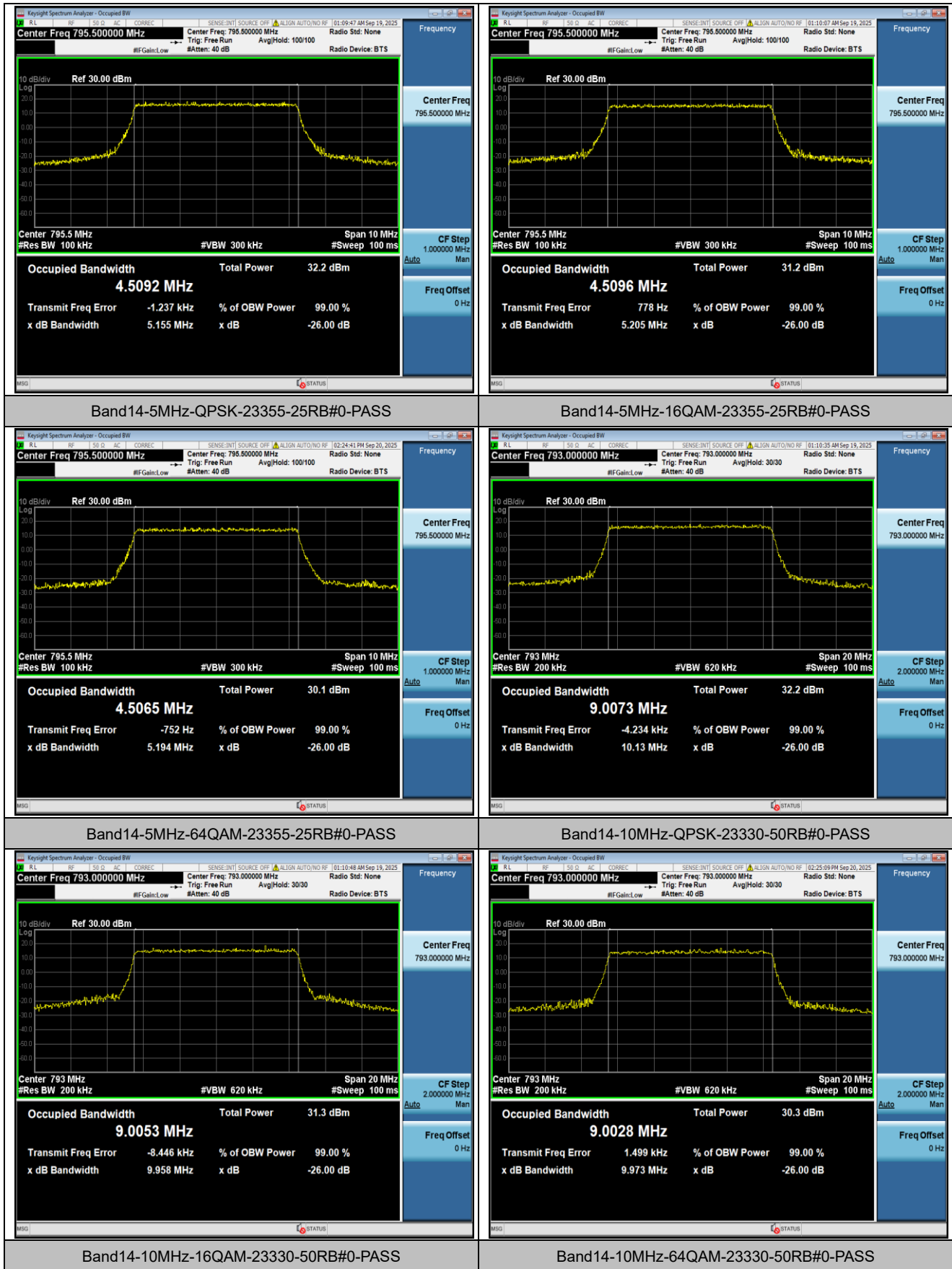
26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band14	5MHz	QPSK	23305	25RB#0	4.5107	5.148	PASS
Band14	5MHz	16QAM	23305	25RB#0	4.5094	5.189	PASS
Band14	5MHz	64QAM	23305	25RB#0	4.5129	5.214	PASS
Band14	5MHz	QPSK	23330	25RB#0	4.5109	5.168	PASS
Band14	5MHz	16QAM	23330	25RB#0	4.5145	5.235	PASS
Band14	5MHz	64QAM	23330	25RB#0	4.5143	5.238	PASS
Band14	5MHz	QPSK	23355	25RB#0	4.5092	5.155	PASS
Band14	5MHz	16QAM	23355	25RB#0	4.5096	5.205	PASS
Band14	5MHz	64QAM	23355	25RB#0	4.5065	5.194	PASS
Band14	10MHz	QPSK	23330	50RB#0	9.0073	10.13	PASS
Band14	10MHz	16QAM	23330	50RB#0	9.0053	9.958	PASS
Band14	10MHz	64QAM	23330	50RB#0	9.0028	9.973	PASS

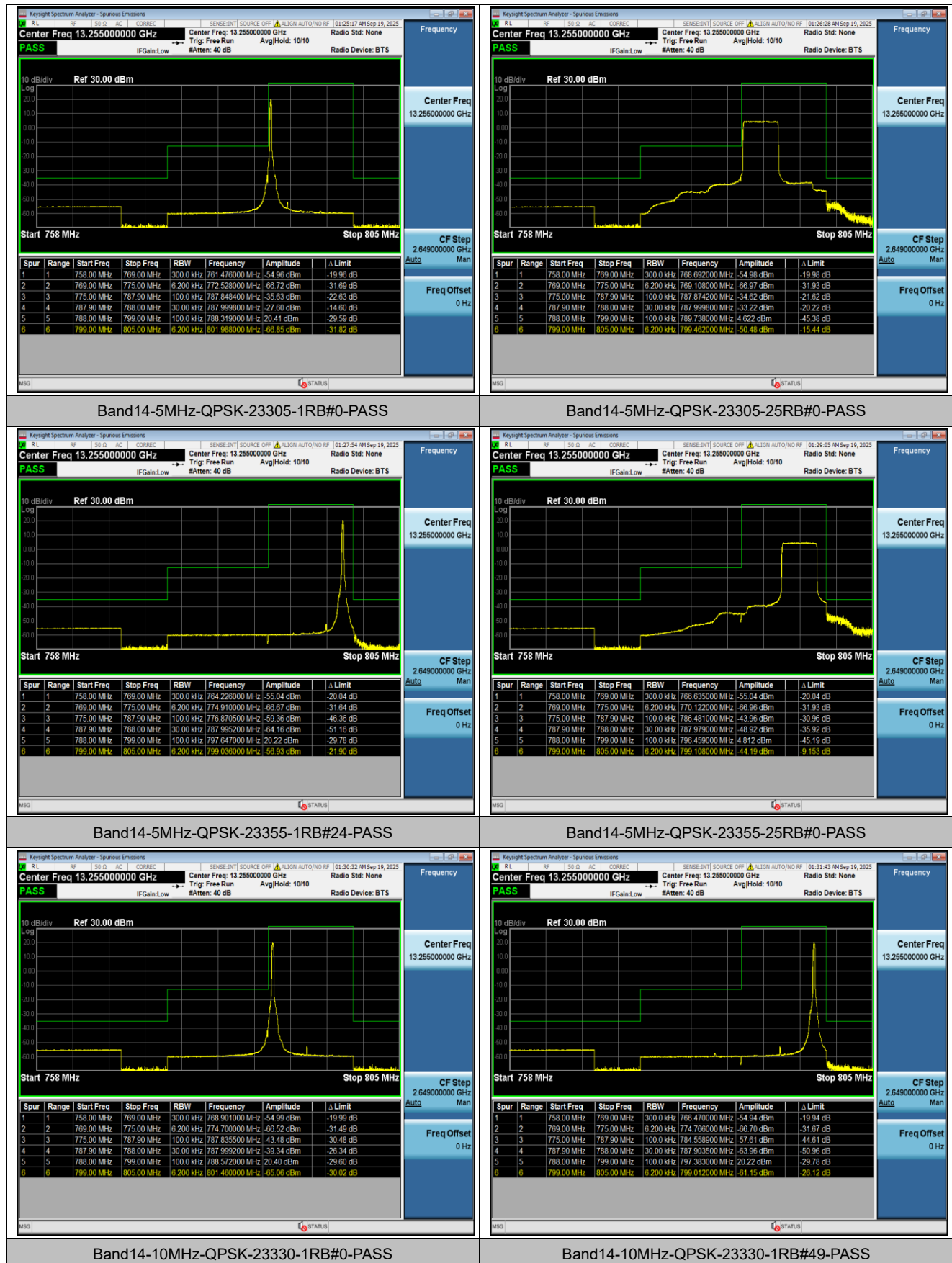
Test Graphs

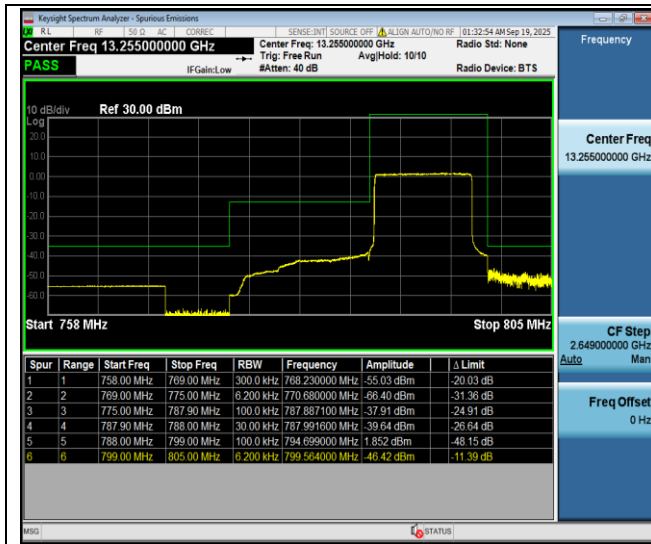




Band Edge

Test Graphs

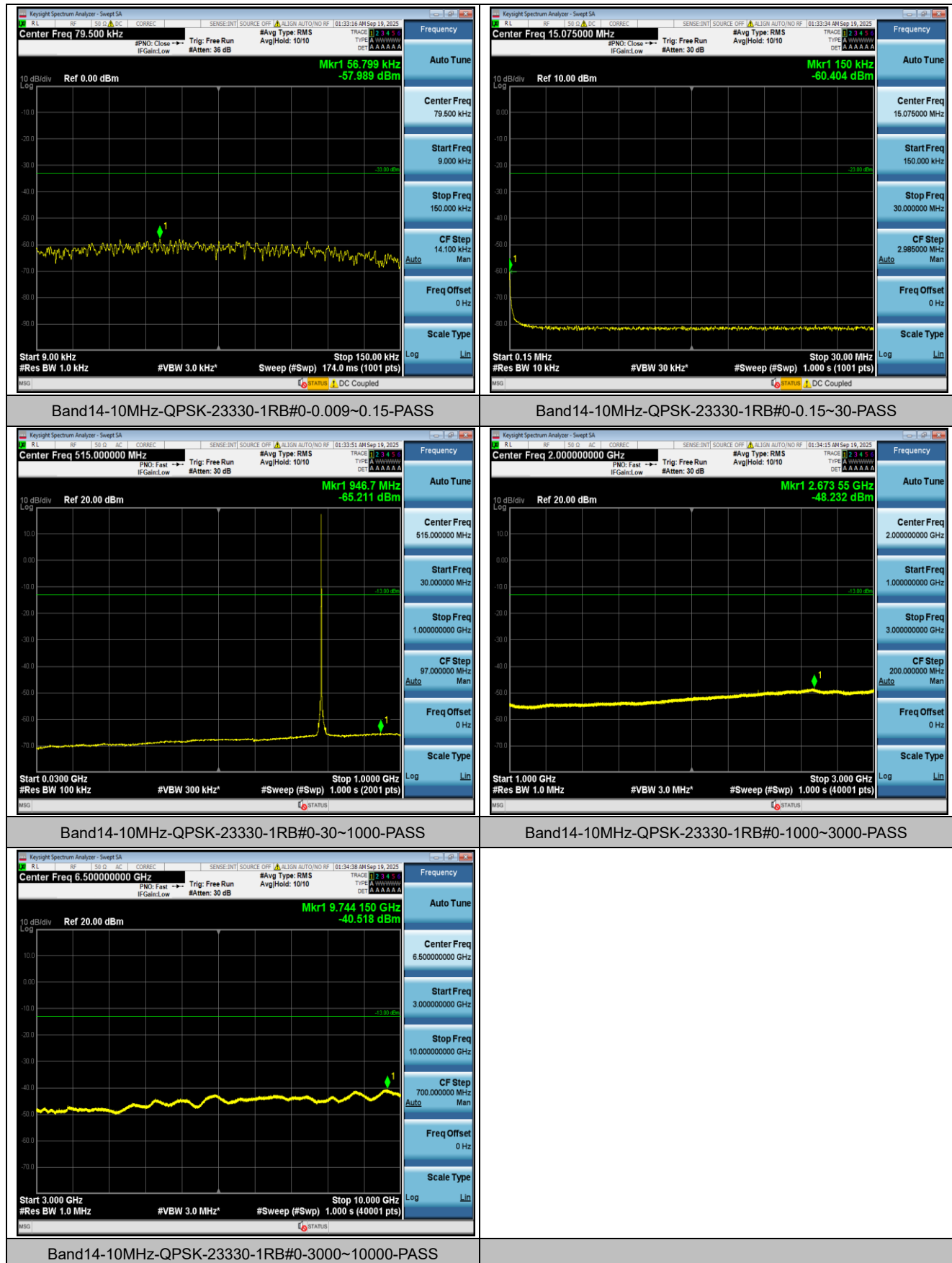




Band14-10MHz-QPSK-23330-50RB#0-PASS

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
Band14	10MHz	QPSK	23330	50RB#0	VN	NT	-1.40	-0.001765	PASS
Band14	10MHz	QPSK	23330	50RB#0	VL	NT	-2.00	-0.002522	PASS
Band14	10MHz	QPSK	23330	50RB#0	VH	NT	0.40	0.000504	PASS

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band14	10MHz	QPSK	23330	50RB#0	NV	-30	0.40	0.000504	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	-20	0.10	0.000126	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	-10	-0.20	-0.000252	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	0	-3.20	-0.004035	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	10	-0.70	-0.000883	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	20	-0.10	-0.000126	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	30	-2.20	-0.002774	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	40	-0.50	-0.000631	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	50	-0.80	-0.001009	PASS

~The End~