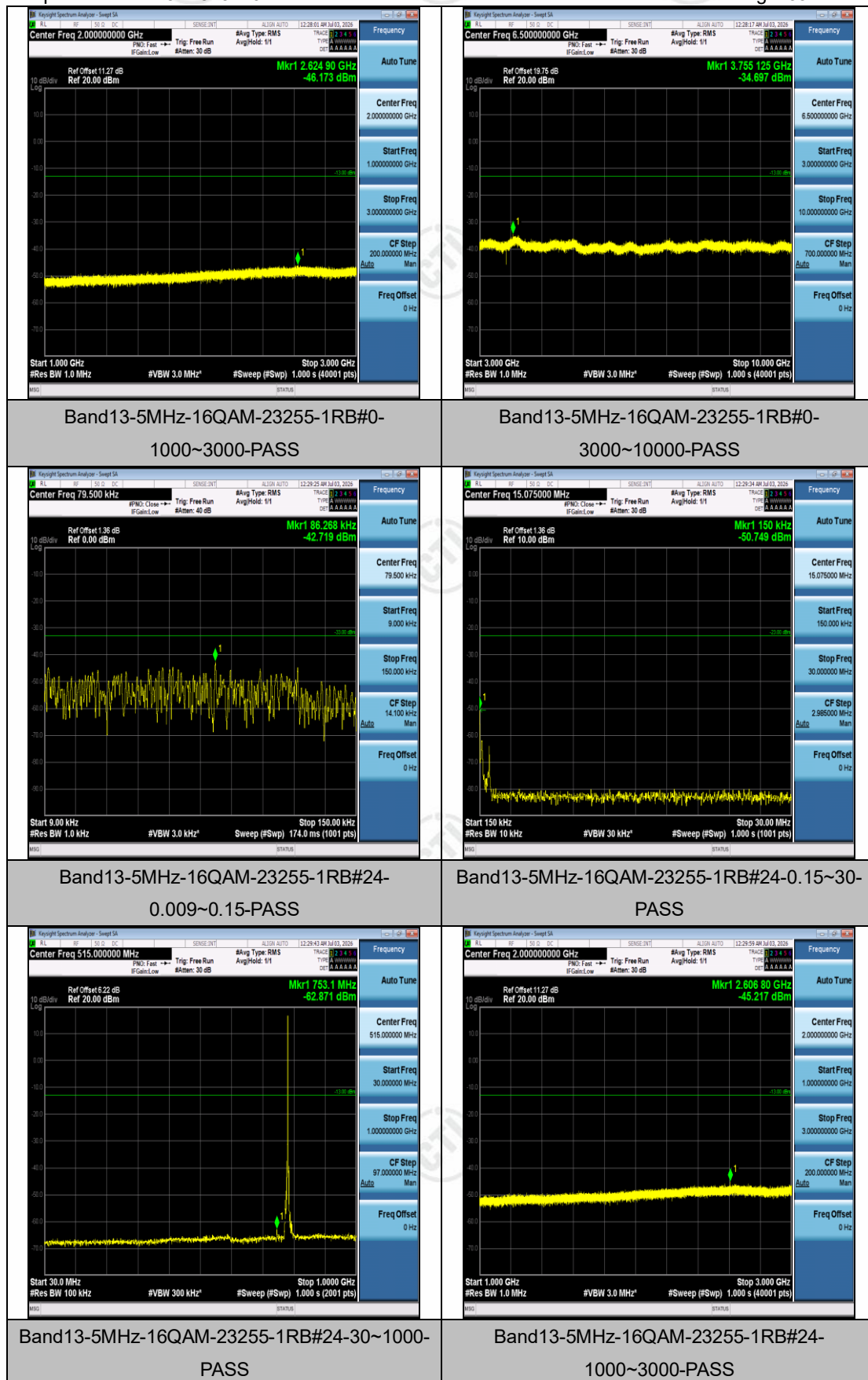
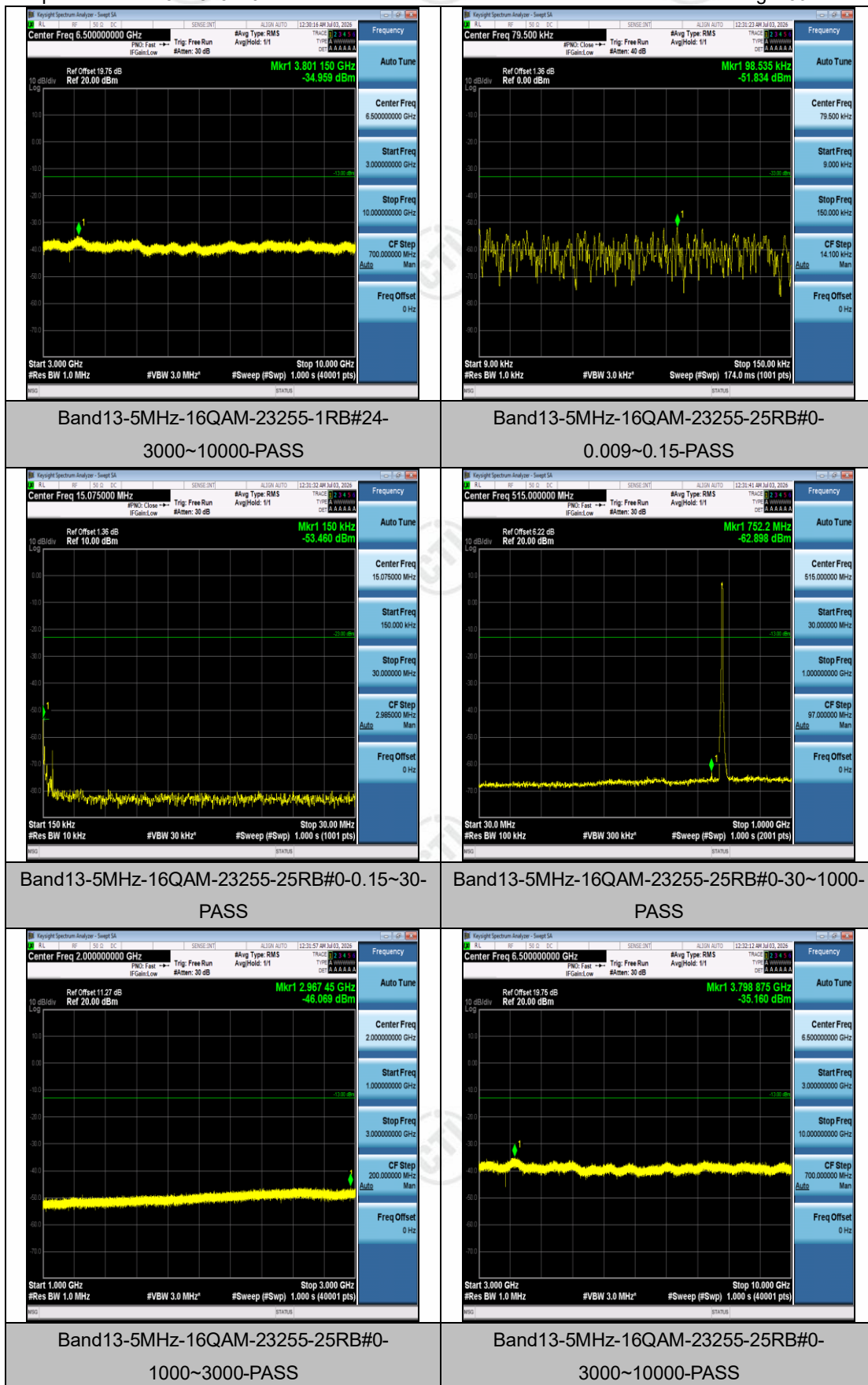
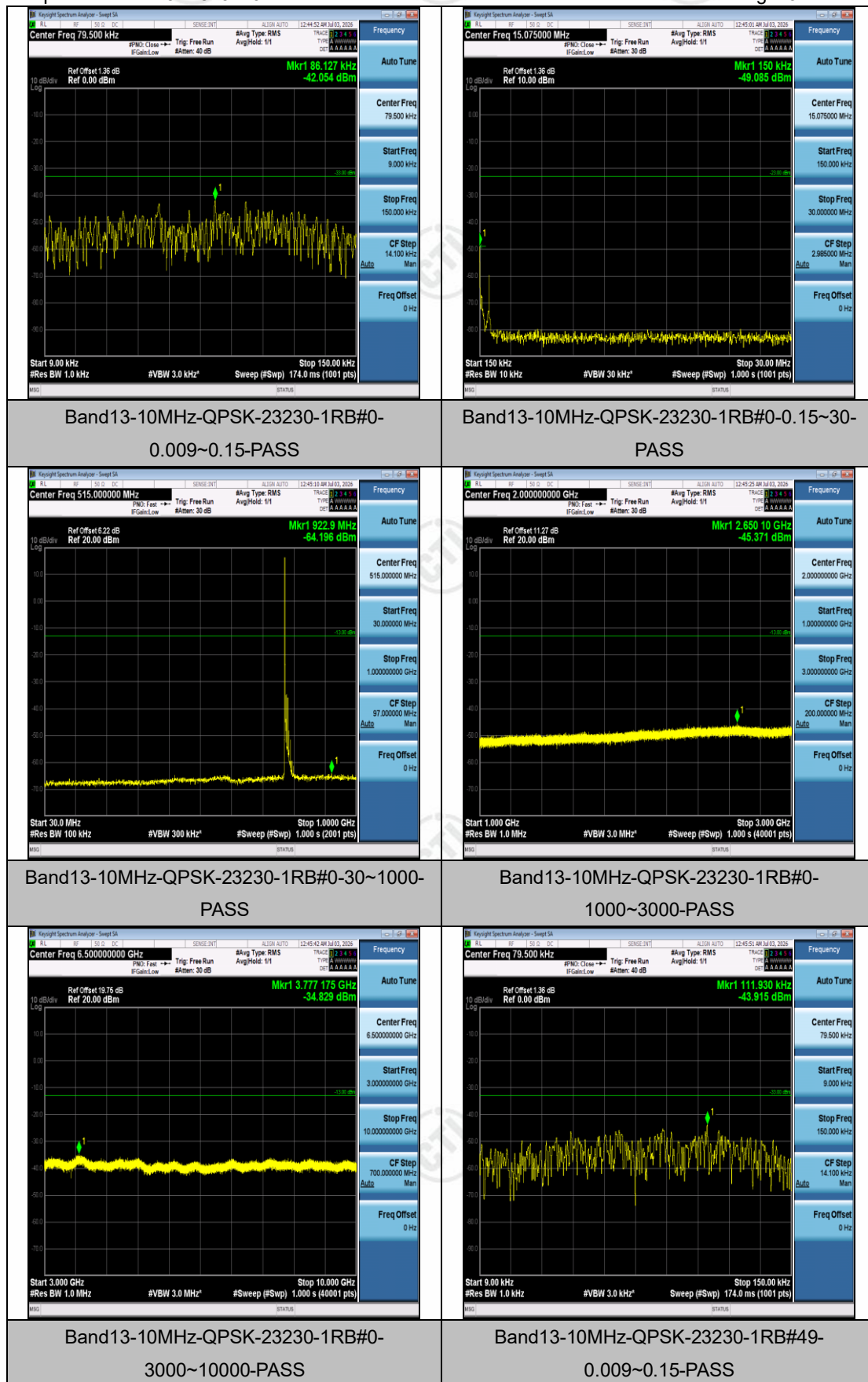
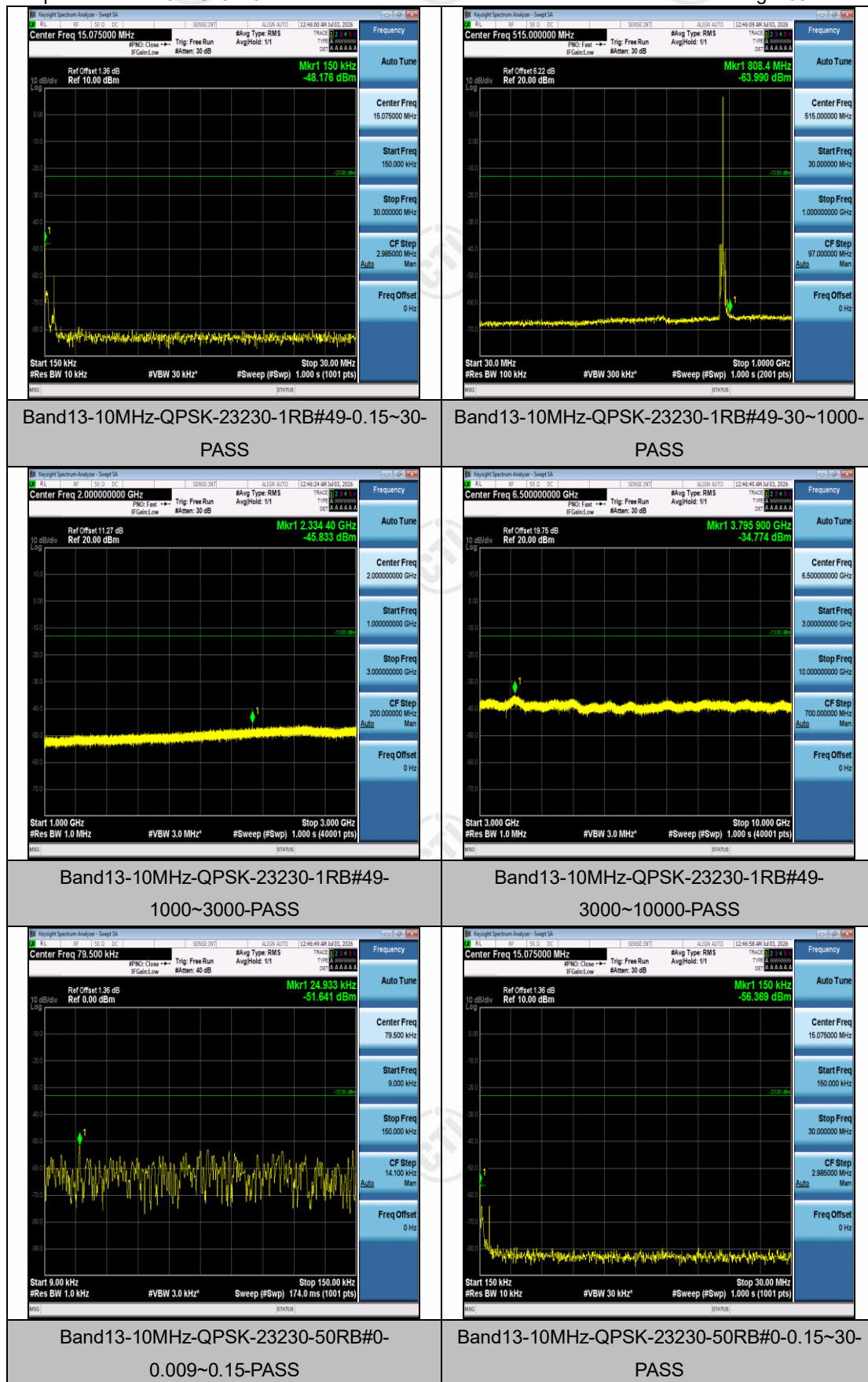
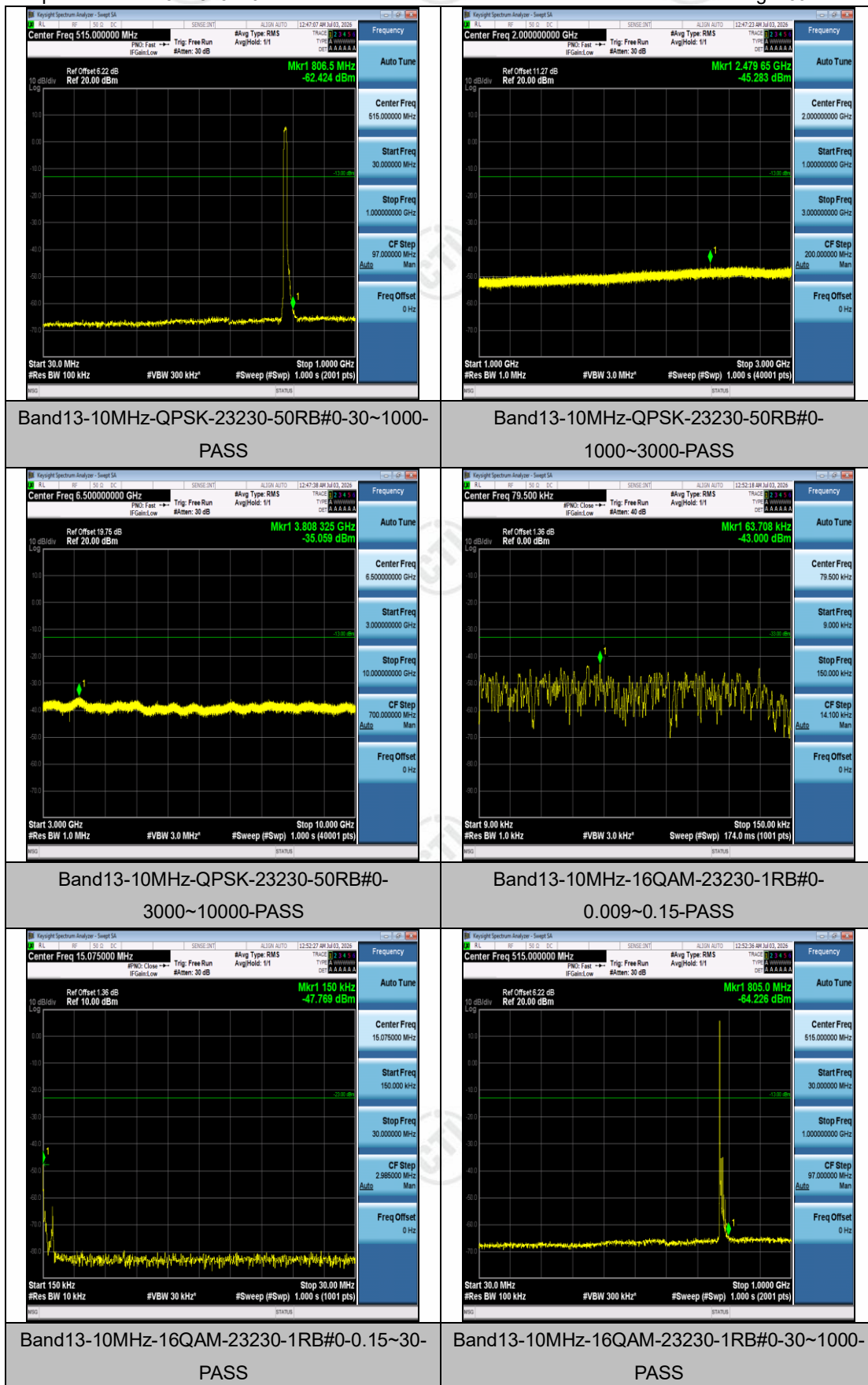


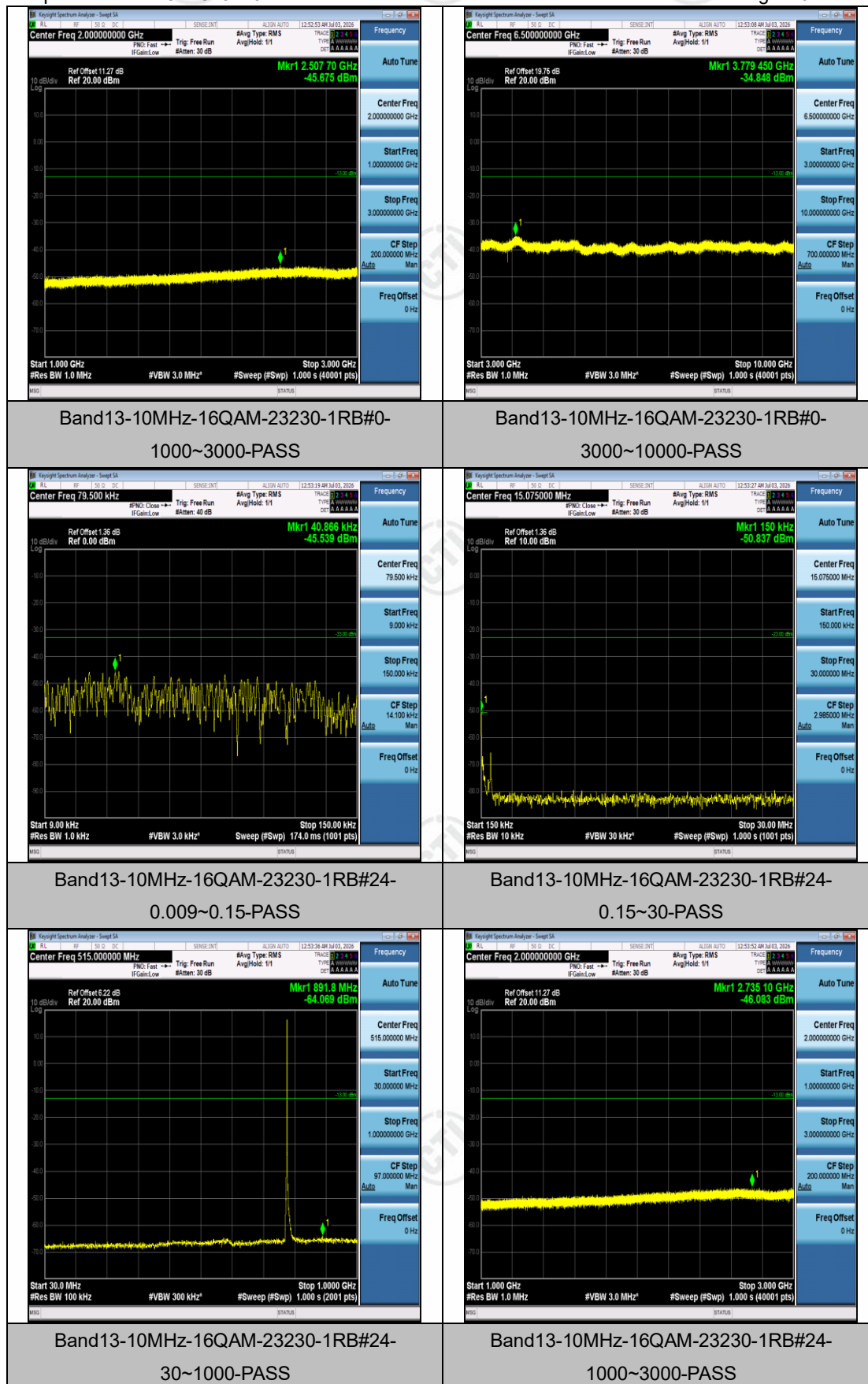


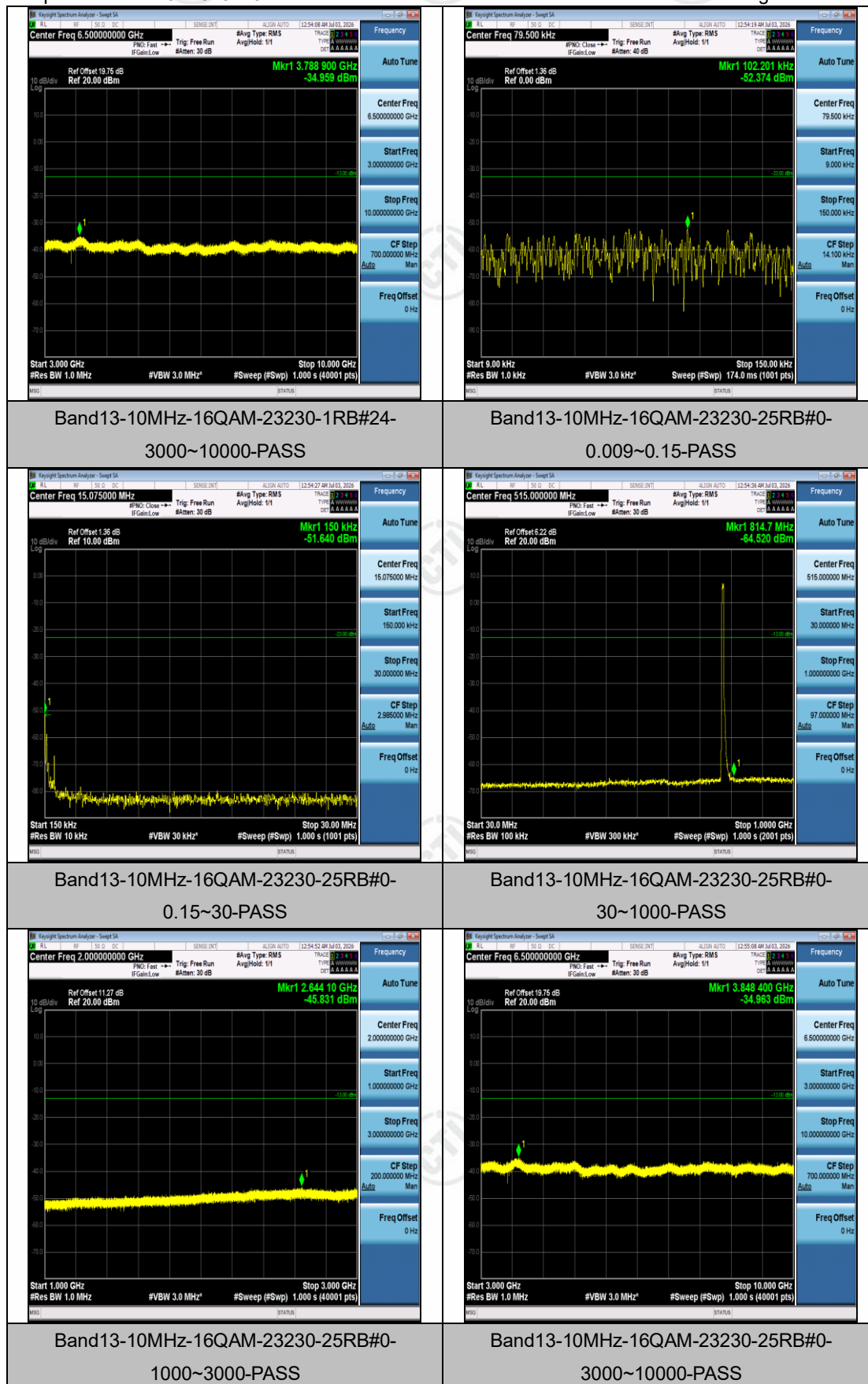












Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	VN	NT	620.00	0.797428	±NA	PASS
Band13	5MHz	QPSK	23205	25RB#0	VL	NT	580.00	0.745981	±NA	PASS
Band13	5MHz	QPSK	23205	25RB#0	VH	NT	960.00	1.234727	±NA	PASS
Band13	5MHz	16QAM	23205	25RB#0	VN	NT	470.00	0.604502	±NA	PASS
Band13	5MHz	16QAM	23205	25RB#0	VL	NT	414.00	0.532476	±NA	PASS
Band13	5MHz	16QAM	23205	25RB#0	VH	NT	880.00	1.131833	±NA	PASS
Band13	5MHz	QPSK	23230	25RB#0	VN	NT	480.00	0.615385	±NA	PASS
Band13	5MHz	QPSK	23230	25RB#0	VL	NT	-840.00	-1.076923	±NA	PASS
Band13	5MHz	QPSK	23230	25RB#0	VH	NT	-1280.00	-1.641026	±NA	PASS
Band13	5MHz	16QAM	23230	25RB#0	VN	NT	1230.00	1.576923	±NA	PASS
Band13	5MHz	16QAM	23230	25RB#0	VL	NT	580.00	0.743590	±NA	PASS
Band13	5MHz	16QAM	23230	25RB#0	VH	NT	-980.00	-1.256410	±NA	PASS
Band13	5MHz	QPSK	23255	25RB#0	VN	NT	-470.00	1.584665	±NA	PASS
Band13	5MHz	QPSK	23255	25RB#0	VL	NT	1210.00	-0.600639	±NA	PASS
Band13	5MHz	QPSK	23255	25RB#0	VH	NT	1050.00	1.546326	±NA	PASS
Band13	5MHz	16QAM	23255	25RB#0	VN	NT	-1130.00	1.341853	±NA	PASS
Band13	5MHz	16QAM	23255	25RB#0	VL	NT	-1730.00	-1.444089	±NA	PASS
Band13	5MHz	16QAM	23255	25RB#0	VH	NT	-1120.00	-2.210863	±NA	PASS
Band13	10MHz	QPSK	23230	50RB#0	VN	NT	1240.00	1.589744	±NA	PASS
Band13	10MHz	QPSK	23230	50RB#0	VL	NT	1170.00	1.500000	±NA	PASS
Band13	10MHz	QPSK	23230	50RB#0	VH	NT	650.00	0.833333	±NA	PASS
Band13	10MHz	16QAM	23230	25RB#0	VN	NT	-613.00	-0.785897	±NA	PASS
Band13	10MHz	16QAM	23230	25RB#0	VL	NT	-649.00	-0.832051	±NA	PASS
Band13	10MHz	16QAM	23230	25RB#0	VH	NT	-530.00	-0.679487	±NA	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	NV	-30	890.00	1.144695	±NA	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-20	734.00	0.944051	±NA	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-10	671.00	0.863023	±NA	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	0	574.00	0.738264	±NA	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	10	539.00	0.693248	±NA	PASS

Band13	5MHz	QPSK	23205	25RB#0	NV	20	653.00	0.839871	±NA	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	30	840.00	1.080386	±NA	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	40	713.00	0.917042	±NA	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	50	760.00	0.977492	±NA	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-30	522.00	0.671383	±NA	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-20	953.00	1.225723	±NA	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-10	560.00	0.720257	±NA	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	0	780.00	1.003215	±NA	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	10	690.00	0.887460	±NA	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	20	940.00	1.209003	±NA	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	30	990.00	1.273312	±NA	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	40	980.00	1.260450	±NA	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	50	670.00	0.861736	±NA	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-30	-1070.00	-1.371795	±NA	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-20	-640.00	-0.820513	±NA	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-10	-890.00	-1.141026	±NA	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	0	-600.00	-0.769231	±NA	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	10	-390.00	-0.500000	±NA	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	20	430.00	0.551282	±NA	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	30	800.00	1.025641	±NA	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	40	440.00	0.564103	±NA	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	50	550.00	0.705128	±NA	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-30	-910.00	-1.166667	±NA	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-20	-1490.00	-1.910256	±NA	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-10	980.00	1.256410	±NA	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	0	1430.00	1.833333	±NA	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	10	1330.00	1.705128	±NA	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	20	-1490.00	-1.910256	±NA	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	30	-1230.00	-1.576923	±NA	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	40	940.00	1.205128	±NA	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	50	960.00	1.230769	±NA	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-30	1150.00	1.469649	±NA	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-20	320.00	0.408946	±NA	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-10	-720.00	-0.920128	±NA	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	0	-1200.00	-1.533546	±NA	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	10	-930.00	-1.188498	±NA	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	20	-900.00	-1.150160	±NA	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	30	-660.00	-0.843450	±NA	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	40	-1100.00	-1.405751	±NA	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	50	610.00	0.779553	±NA	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-30	-1640.00	-2.095847	±NA	PASS

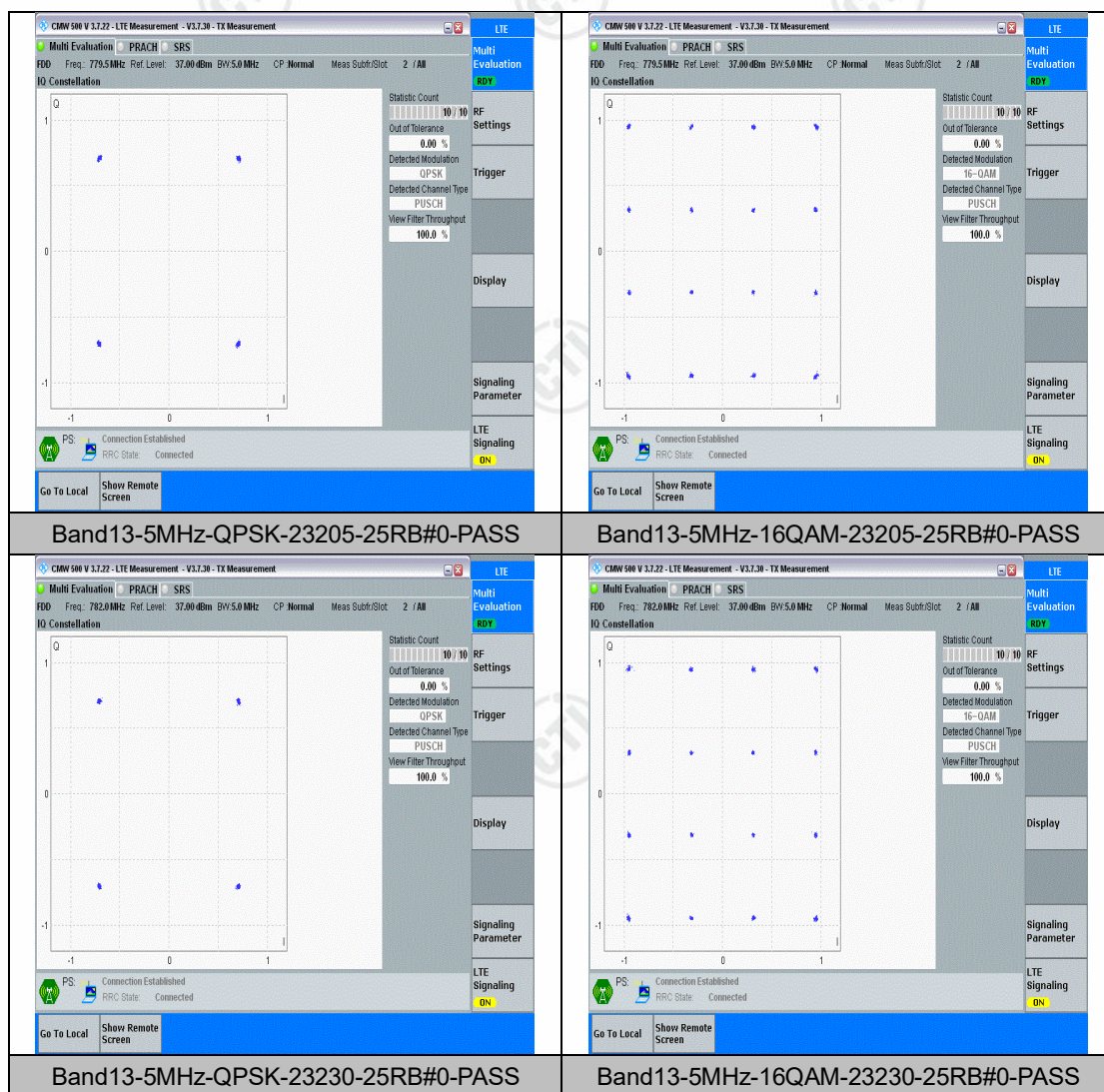
Band13	5MHz	16QAM	23255	25RB#0	NV	-20	-1560.00	-1.993610	±NA	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-10	-730.00	-0.932907	±NA	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	0	-1210.00	-1.546326	±NA	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	10	1280.00	1.635783	±NA	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	20	-540.00	-0.690096	±NA	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	30	-490.00	-0.626198	±NA	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	40	900.00	1.150160	±NA	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	50	-980.00	-1.252396	±NA	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-30	1305.00	1.673077	±NA	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-20	921.00	1.180769	±NA	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-10	902.00	1.156410	±NA	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	0	1100.00	1.410256	±NA	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	10	1019.00	1.306410	±NA	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	20	1226.00	1.571795	±NA	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	30	1221.00	1.565385	±NA	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	40	1260.00	1.615385	±NA	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	50	1280.00	1.641026	±NA	PASS
Band13	10MHz	16QAM	23230	25RB#0	NV	-30	-640.00	-0.820513	±NA	PASS
Band13	10MHz	16QAM	23230	25RB#0	NV	-20	-660.00	-0.846154	±NA	PASS
Band13	10MHz	16QAM	23230	25RB#0	NV	-10	-749.00	-0.960256	±NA	PASS
Band13	10MHz	16QAM	23230	25RB#0	NV	0	-610.00	-0.782051	±NA	PASS
Band13	10MHz	16QAM	23230	25RB#0	NV	10	-504.00	-0.646154	±NA	PASS
Band13	10MHz	16QAM	23230	25RB#0	NV	20	-770.00	-0.987179	±NA	PASS
Band13	10MHz	16QAM	23230	25RB#0	NV	30	-680.00	-0.871795	±NA	PASS
Band13	10MHz	16QAM	23230	25RB#0	NV	40	-530.00	-0.679487	±NA	PASS
Band13	10MHz	16QAM	23230	25RB#0	NV	50	-830.00	-1.064103	±NA	PASS

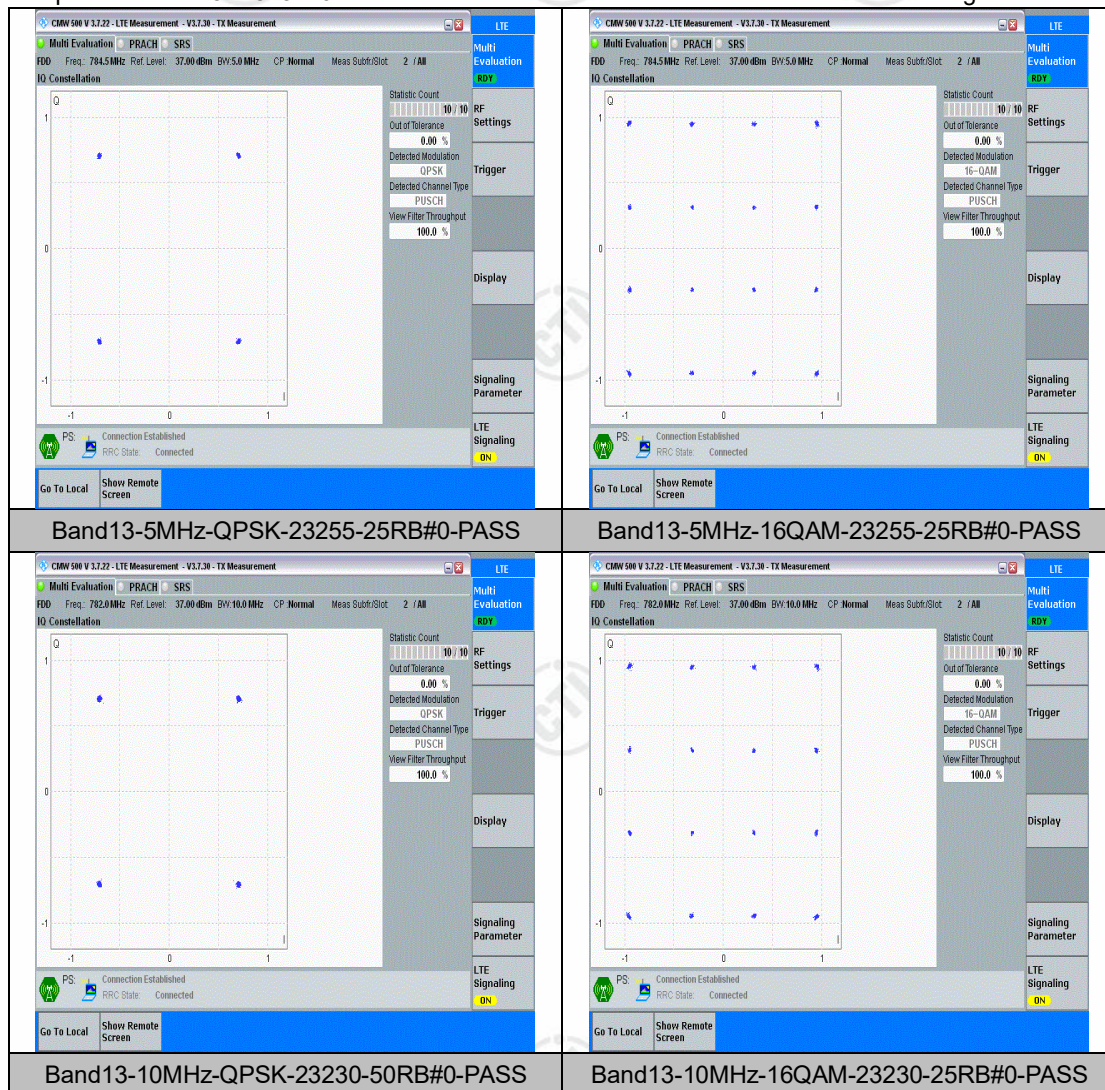
Appendix G: Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Verdict
Band13	5MHz	QPSK	23205	25RB#0	PASS
Band13	5MHz	16QAM	23205	25RB#0	PASS
Band13	5MHz	QPSK	23230	25RB#0	PASS
Band13	5MHz	16QAM	23230	25RB#0	PASS
Band13	5MHz	QPSK	23255	25RB#0	PASS
Band13	5MHz	16QAM	23255	25RB#0	PASS
Band13	10MHz	QPSK	23230	50RB#0	PASS
Band13	10MHz	16QAM	23230	25RB#0	PASS

Test Graphs





*** End of Report ***