

Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
BandName	Bandwidth	Modulation	Channel	RBcfg	VolValue	TempValue	ValueHz	ValuePpm	Limit	Verdict

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	2.13	0.002733	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-20	-3.09	-0.003964	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-10	-2.83	-0.003631	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	0	2.03	0.002604	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	10	-2.75	-0.003528	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	20	2.50	0.003207	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	30	2.27	0.002912	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	40	1.90	0.002437	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	50	-2.79	-0.003579	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-30	4.28	0.005473	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-20	3.26	0.004169	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-10	4.38	0.005601	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	0	2.33	0.002980	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	10	3.26	0.004169	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	20	2.79	0.003568	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	30	3.08	0.003939	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	40	2.83	0.003619	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	50	3.35	0.004284	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-30	2.32	0.002957	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-20	2.79	0.003556	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-10	2.36	0.003008	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	0	3.38	0.004308	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	10	3.29	0.004194	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	20	3.60	0.004589	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	30	-1.56	-0.001989	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	40	2.75	0.003505	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	50	2.95	0.003760	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-30	1.12	0.001437	±2.5	PASS

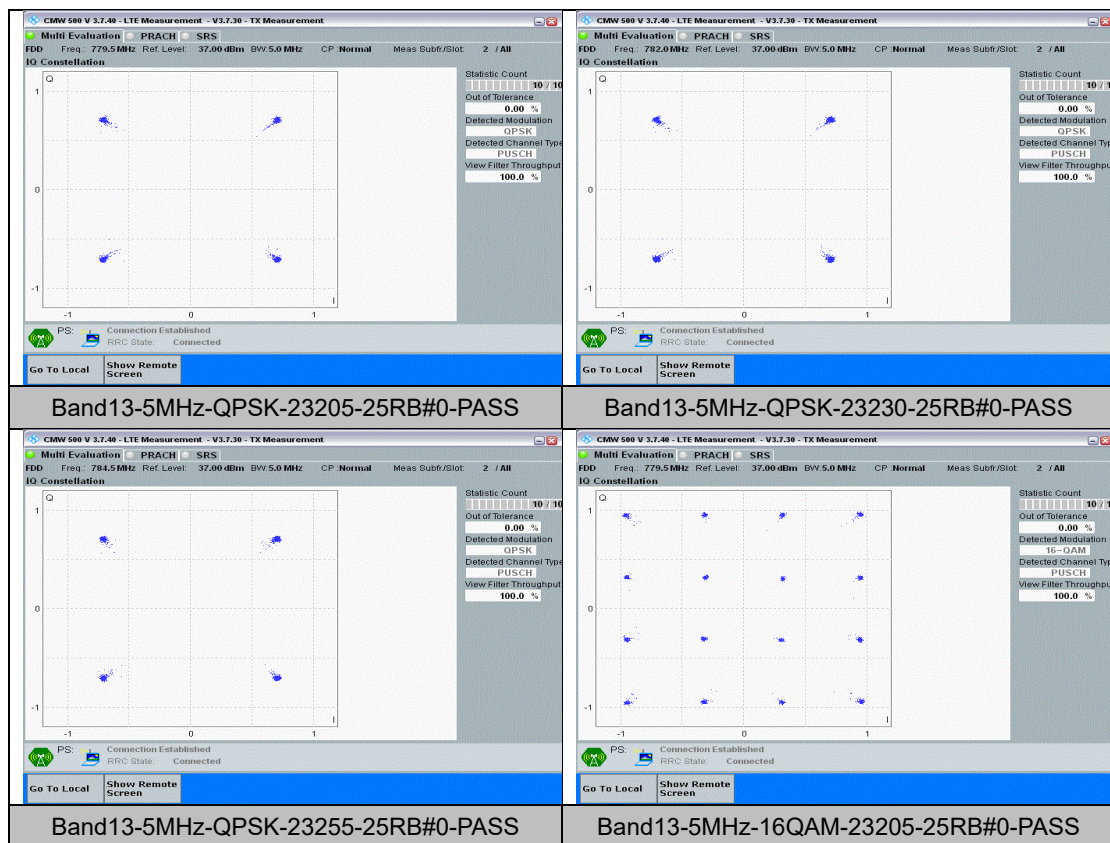
Band13	5MHz	16QAM	23205	25RB#0	NV	-20	-1.60	-0.002053	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-10	2.29	0.002938	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	0	-2.03	-0.002604	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	10	-2.52	-0.003233	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	20	-1.93	-0.002476	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	30	-1.54	-0.001976	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	40	3.00	0.003849	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	50	2.80	0.003592	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-30	2.86	0.003657	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-20	-2.78	-0.003555	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-10	2.10	0.002685	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	0	3.58	0.004578	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	10	5.21	0.006662	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	20	4.46	0.005703	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	30	4.94	0.006317	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	40	5.21	0.006662	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	50	4.65	0.005946	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-30	4.39	0.005596	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-20	5.04	0.006424	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-10	5.49	0.006998	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	0	4.66	0.005940	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	10	5.49	0.006998	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	20	4.13	0.005264	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	30	4.42	0.005634	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	40	4.75	0.006055	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	50	2.90	0.003697	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-30	-2.52	-0.003223	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-20	-2.25	-0.002877	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-10	-2.68	-0.003427	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	0	-1.77	-0.002263	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	10	-2.63	-0.003363	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	20	-1.85	-0.002366	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	30	-2.76	-0.003529	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	40	-1.59	-0.002033	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	50	-1.32	-0.001688	±2.5	PASS

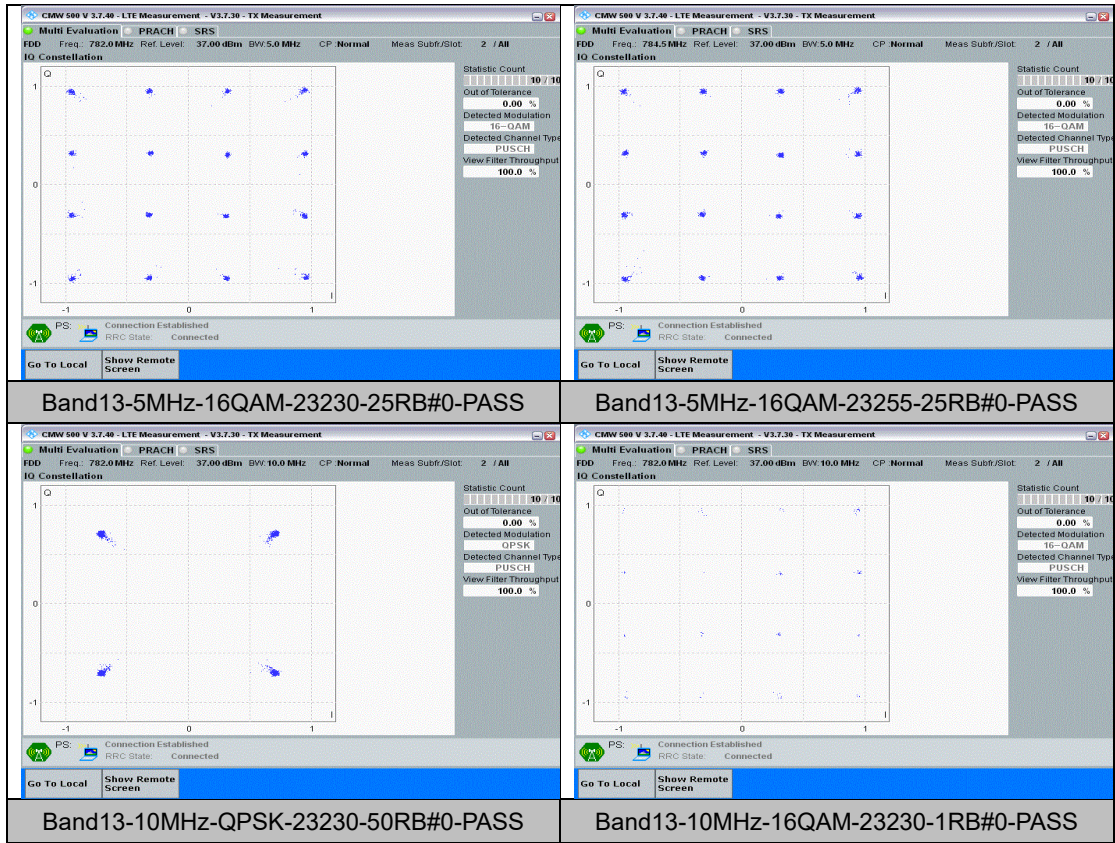
Appendix G: Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Verdict
Band13	5MHz	QPSK	23205	25RB#0	PASS
Band13	5MHz	QPSK	23230	25RB#0	PASS
Band13	5MHz	QPSK	23255	25RB#0	PASS
Band13	5MHz	16QAM	23205	25RB#0	PASS
Band13	5MHz	16QAM	23230	25RB#0	PASS
Band13	5MHz	16QAM	23255	25RB#0	PASS
Band13	10MHz	QPSK	23230	50RB#0	PASS
Band13	10MHz	16QAM	23230	1RB#0	PASS

Test Graphs





Band13-5MHz-16QAM-23230-25RB#0-PASS

Band13-5MHz-16QAM-23255-25RB#0-PASS

Band13-10MHz-QPSK-23230-50RB#0-PASS

Band13-10MHz-16QAM-23230-1RB#0-PASS