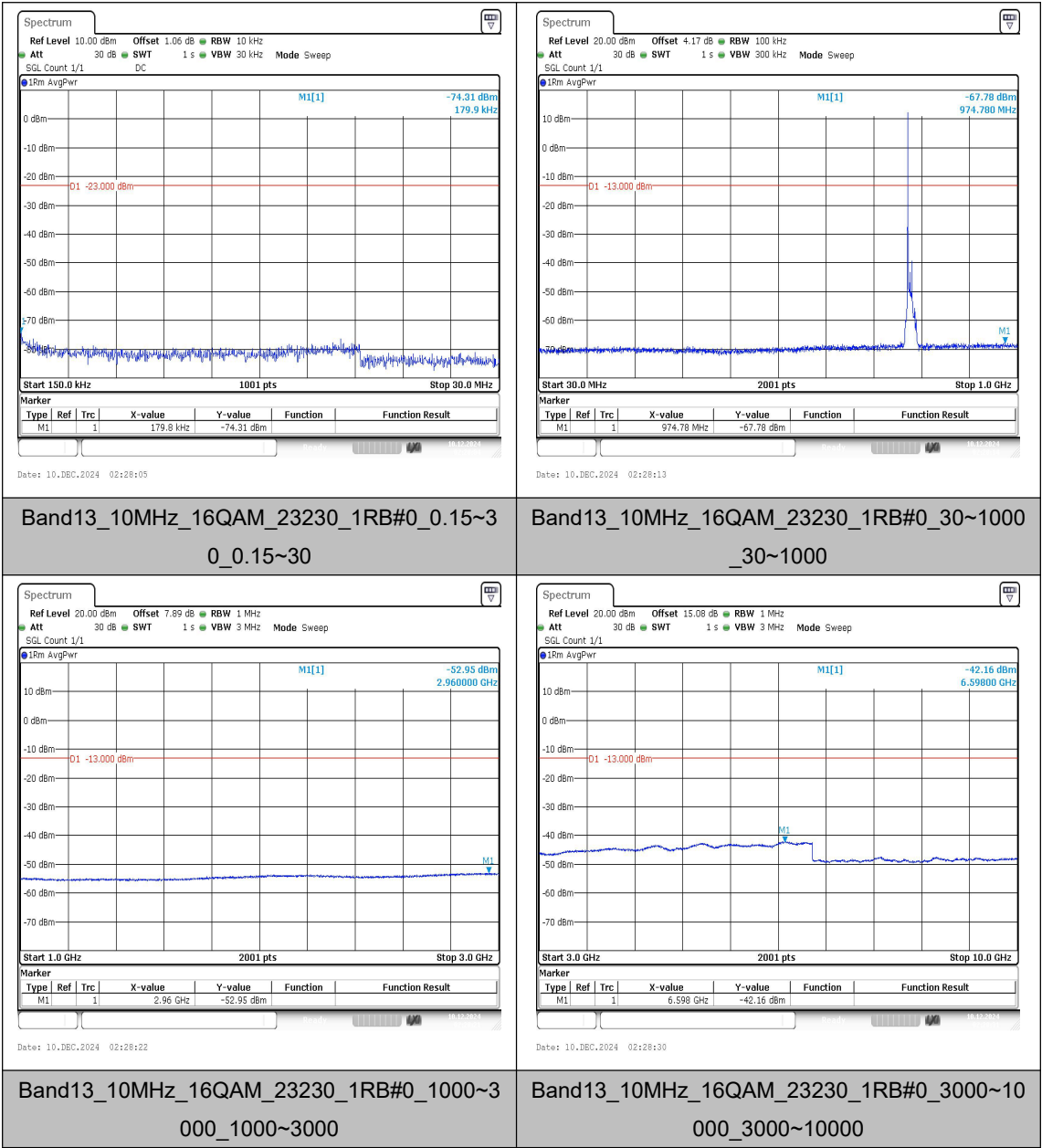




Appendix F: Frequency Stability

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	-14.18	-0.018191	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	VL	NT	-12.86	-0.016498	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	VH	NT	-9.51	-0.012200	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VN	NT	-14.10	-0.018089	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VL	NT	-5.51	-0.007069	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VH	NT	-5.31	-0.006812	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VN	NT	0.00	0.000000	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VL	NT	0.00	0.000000	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VH	NT	0.00	0.000000	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VN	NT	0.00	0.000000	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VL	NT	0.00	0.000000	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VH	NT	0.00	0.000000	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VN	NT	0.00	0.000000	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VL	NT	0.00	0.000000	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VH	NT	0.00	0.000000	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VN	NT	0.00	0.000000	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VL	NT	0.00	0.000000	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VH	NT	0.00	0.000000	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VN	NT	-12.04	-0.015396	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VL	NT	-13.60	-0.017391	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VH	NT	-9.47	-0.012110	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VN	NT	-9.97	-0.012749	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VL	NT	-7.65	-0.009783	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VH	NT	-8.51	-0.010882	±2.5	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	-7.78	-0.009981	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-20	-7.30	-0.009365	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-10	-9.11	-0.011687	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	0	-11.64	-0.014933	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	10	-12.15	-0.015587	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	20	-6.42	-0.008236	±2.5	PASS

Band13	5MHz	QPSK	23205	25RB#0	NV	30	-6.97	-0.008942	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	40	-2.26	-0.002899	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	50	-11.37	-0.014586	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-30	-10.93	-0.014022	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-20	-6.15	-0.007890	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-10	-5.32	-0.006825	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	0	-7.22	-0.009262	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	10	-12.66	-0.016241	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	20	-12.06	-0.015471	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	30	-6.38	-0.008185	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	40	-16.01	-0.020539	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	50	-12.77	-0.016382	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-30	0.00	0.000000	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-20	0.00	0.000000	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-10	0.00	0.000000	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	0	0.00	0.000000	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	10	0.00	0.000000	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	20	0.00	0.000000	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	30	0.00	0.000000	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	40	0.00	0.000000	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	50	0.00	0.000000	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-30	0.00	0.000000	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-20	0.00	0.000000	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-10	0.00	0.000000	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	0	0.00	0.000000	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	10	0.00	0.000000	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	20	0.00	0.000000	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	30	0.00	0.000000	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	40	0.00	0.000000	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	50	0.00	0.000000	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-30	0.00	0.000000	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-20	0.00	0.000000	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-10	0.00	0.000000	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	0	0.00	0.000000	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	10	0.00	0.000000	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	20	0.00	0.000000	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	30	0.00	0.000000	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	40	0.00	0.000000	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	50	0.00	0.000000	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-30	0.00	0.000000	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-20	0.00	0.000000	±2.5	PASS

Band13	5MHz	16QAM	23255	25RB#0	NV	-10	0.00	0.000000	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	0	0.00	0.000000	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	10	0.00	0.000000	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	20	0.00	0.000000	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	30	0.00	0.000000	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	40	0.00	0.000000	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	50	0.00	0.000000	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-30	-10.00	-0.012788	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-20	-5.05	-0.006458	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-10	-4.68	-0.005985	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	0	-8.68	-0.011100	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	10	-10.84	-0.013862	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	20	-11.63	-0.014872	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	30	-6.67	-0.008529	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	40	-8.93	-0.011419	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	50	-8.23	-0.010524	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-30	-10.97	-0.014028	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-20	-6.14	-0.007852	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-10	-12.06	-0.015422	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	0	-16.59	-0.021215	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	10	-8.77	-0.011215	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	20	-12.73	-0.016279	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	30	-6.58	-0.008414	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	40	-15.41	-0.019706	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	50	-9.93	-0.012698	±2.5	PASS