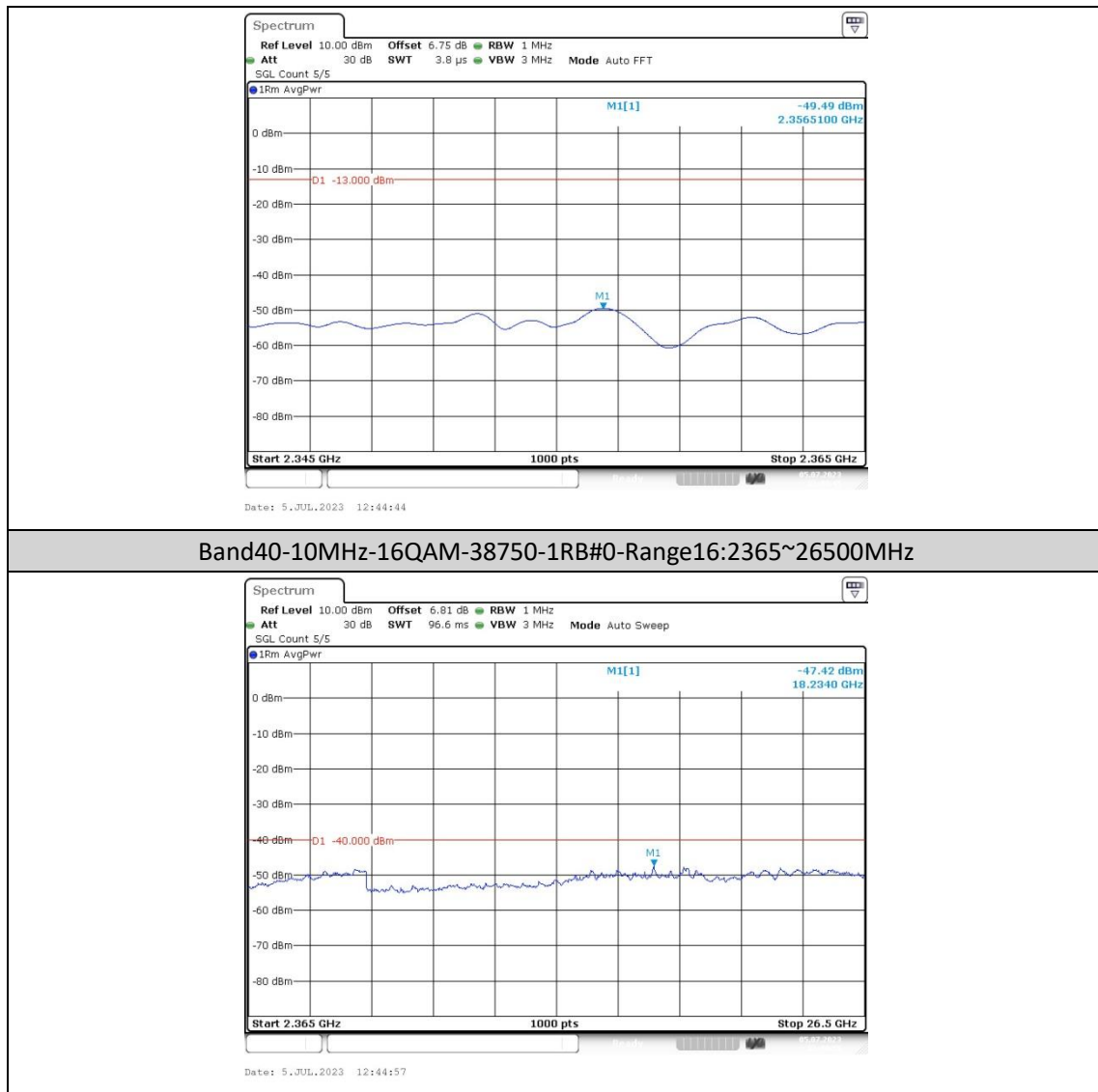




Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band40	5MHz	QPSK	38725	25RB#0	VN	NT	9.53	0.004130	±2.5	PASS
Band40	5MHz	QPSK	38725	25RB#0	VL	NT	8.84	0.003831	±2.5	PASS
Band40	5MHz	QPSK	38725	25RB#0	VH	NT	8.40	0.003640	±2.5	PASS
Band40	5MHz	16QAM	38725	25RB#0	VN	NT	3.58	0.001551	±2.5	PASS
Band40	5MHz	16QAM	38725	25RB#0	VL	NT	-6.11	-0.002648	±2.5	PASS
Band40	5MHz	16QAM	38725	25RB#0	VH	NT	5.02	0.002176	±2.5	PASS
Band40	5MHz	QPSK	38750	25RB#0	VN	NT	-7.65	-0.003312	±2.5	PASS
Band40	5MHz	QPSK	38750	25RB#0	VL	NT	-9.84	-0.004260	±2.5	PASS
Band40	5MHz	QPSK	38750	25RB#0	VH	NT	6.79	0.002939	±2.5	PASS
Band40	5MHz	16QAM	38750	25RB#0	VN	NT	-4.82	-0.002087	±2.5	PASS
Band40	5MHz	16QAM	38750	25RB#0	VL	NT	-6.71	-0.002905	±2.5	PASS
Band40	5MHz	16QAM	38750	25RB#0	VH	NT	-6.41	-0.002775	±2.5	PASS
Band40	5MHz	QPSK	38775	25RB#0	VN	NT	-6.85	-0.002962	±2.5	PASS
Band40	5MHz	QPSK	38775	25RB#0	VL	NT	5.89	0.002547	±2.5	PASS
Band40	5MHz	QPSK	38775	25RB#0	VH	NT	4.99	0.002158	±2.5	PASS
Band40	5MHz	16QAM	38775	25RB#0	VN	NT	9.50	0.004108	±2.5	PASS
Band40	5MHz	16QAM	38775	25RB#0	VL	NT	8.68	0.003754	±2.5	PASS
Band40	5MHz	16QAM	38775	25RB#0	VH	NT	-4.56	-0.001972	±2.5	PASS
Band40	10MHz	QPSK	38750	50RB#0	VN	NT	-9.07	-0.003926	±2.5	PASS
Band40	10MHz	QPSK	38750	50RB#0	VL	NT	-6.35	-0.002749	±2.5	PASS
Band40	10MHz	QPSK	38750	50RB#0	VH	NT	-8.74	-0.003784	±2.5	PASS
Band40	10MHz	16QAM	38750	50RB#0	VN	NT	-5.04	-0.002182	±2.5	PASS
Band40	10MHz	16QAM	38750	50RB#0	VL	NT	-6.85	-0.002965	±2.5	PASS
Band40	10MHz	16QAM	38750	50RB#0	VH	NT	-7.17	-0.003104	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band40	5MHz	QPSK	38725	25RB#0	NV	-30	8.97	0.003887	±2.5	PASS
Band40	5MHz	QPSK	38725	25RB#0	NV	-20	7.05	0.003055	±2.5	PASS
Band40	5MHz	QPSK	38725	25RB#0	NV	-10	5.24	0.002271	±2.5	PASS

Band40	5MHz	QPSK	38725	25RB#0	NV	0	9.07	0.003931	±2.5	PASS
Band40	5MHz	QPSK	38725	25RB#0	NV	10	4.42	0.001915	±2.5	PASS
Band40	5MHz	QPSK	38725	25RB#0	NV	20	8.21	0.003558	±2.5	PASS
Band40	5MHz	QPSK	38725	25RB#0	NV	30	6.51	0.002821	±2.5	PASS
Band40	5MHz	QPSK	38725	25RB#0	NV	40	7.21	0.003125	±2.5	PASS
Band40	5MHz	QPSK	38725	25RB#0	NV	50	6.88	0.002982	±2.5	PASS
Band40	5MHz	16QAM	38725	25RB#0	NV	-30	3.81	0.001651	±2.5	PASS
Band40	5MHz	16QAM	38725	25RB#0	NV	-20	10.11	0.004381	±2.5	PASS
Band40	5MHz	16QAM	38725	25RB#0	NV	-10	10.59	0.004589	±2.5	PASS
Band40	5MHz	16QAM	38725	25RB#0	NV	0	10.59	0.004589	±2.5	PASS
Band40	5MHz	16QAM	38725	25RB#0	NV	10	8.81	0.003818	±2.5	PASS
Band40	5MHz	16QAM	38725	25RB#0	NV	20	10.14	0.004394	±2.5	PASS
Band40	5MHz	16QAM	38725	25RB#0	NV	30	7.20	0.003120	±2.5	PASS
Band40	5MHz	16QAM	38725	25RB#0	NV	40	8.00	0.003467	±2.5	PASS
Band40	5MHz	16QAM	38725	25RB#0	NV	50	8.44	0.003658	±2.5	PASS
Band40	5MHz	QPSK	38750	25RB#0	NV	-30	-7.02	-0.003039	±2.5	PASS
Band40	5MHz	QPSK	38750	25RB#0	NV	-20	-7.60	-0.003290	±2.5	PASS
Band40	5MHz	QPSK	38750	25RB#0	NV	-10	6.17	0.002671	±2.5	PASS
Band40	5MHz	QPSK	38750	25RB#0	NV	0	-7.94	-0.003437	±2.5	PASS
Band40	5MHz	QPSK	38750	25RB#0	NV	10	3.49	0.001511	±2.5	PASS
Band40	5MHz	QPSK	38750	25RB#0	NV	20	-6.65	-0.002879	±2.5	PASS
Band40	5MHz	QPSK	38750	25RB#0	NV	30	-10.40	-0.004502	±2.5	PASS
Band40	5MHz	QPSK	38750	25RB#0	NV	40	-4.08	-0.001766	±2.5	PASS
Band40	5MHz	QPSK	38750	25RB#0	NV	50	3.26	0.001411	±2.5	PASS
Band40	5MHz	16QAM	38750	25RB#0	NV	-30	-5.26	-0.002277	±2.5	PASS
Band40	5MHz	16QAM	38750	25RB#0	NV	-20	-7.88	-0.003411	±2.5	PASS
Band40	5MHz	16QAM	38750	25RB#0	NV	-10	-8.24	-0.003567	±2.5	PASS
Band40	5MHz	16QAM	38750	25RB#0	NV	0	-6.79	-0.002939	±2.5	PASS
Band40	5MHz	16QAM	38750	25RB#0	NV	10	-8.20	-0.003550	±2.5	PASS
Band40	5MHz	16QAM	38750	25RB#0	NV	20	-3.78	-0.001636	±2.5	PASS
Band40	5MHz	16QAM	38750	25RB#0	NV	30	-7.18	-0.003108	±2.5	PASS
Band40	5MHz	16QAM	38750	25RB#0	NV	40	-9.83	-0.004255	±2.5	PASS
Band40	5MHz	16QAM	38750	25RB#0	NV	50	-5.69	-0.002463	±2.5	PASS
Band40	5MHz	QPSK	38775	25RB#0	NV	-30	-8.27	-0.003576	±2.5	PASS
Band40	5MHz	QPSK	38775	25RB#0	NV	-20	5.14	0.002223	±2.5	PASS
Band40	5MHz	QPSK	38775	25RB#0	NV	-10	-3.71	-0.001604	±2.5	PASS
Band40	5MHz	QPSK	38775	25RB#0	NV	0	5.87	0.002538	±2.5	PASS
Band40	5MHz	QPSK	38775	25RB#0	NV	10	5.09	0.002201	±2.5	PASS
Band40	5MHz	QPSK	38775	25RB#0	NV	20	8.81	0.003810	±2.5	PASS
Band40	5MHz	QPSK	38775	25RB#0	NV	30	6.11	0.002642	±2.5	PASS

Band40	5MHz	QPSK	38775	25RB#0	NV	40	4.32	0.001868	±2.5	PASS
Band40	5MHz	QPSK	38775	25RB#0	NV	50	-7.55	-0.003265	±2.5	PASS
Band40	5MHz	16QAM	38775	25RB#0	NV	-30	6.32	0.002733	±2.5	PASS
Band40	5MHz	16QAM	38775	25RB#0	NV	-20	-7.22	-0.003122	±2.5	PASS
Band40	5MHz	16QAM	38775	25RB#0	NV	-10	4.94	0.002136	±2.5	PASS
Band40	5MHz	16QAM	38775	25RB#0	NV	0	8.51	0.003680	±2.5	PASS
Band40	5MHz	16QAM	38775	25RB#0	NV	10	5.24	0.002266	±2.5	PASS
Band40	5MHz	16QAM	38775	25RB#0	NV	20	-3.05	-0.001319	±2.5	PASS
Band40	5MHz	16QAM	38775	25RB#0	NV	30	-6.94	-0.003001	±2.5	PASS
Band40	5MHz	16QAM	38775	25RB#0	NV	40	-6.77	-0.002928	±2.5	PASS
Band40	5MHz	16QAM	38775	25RB#0	NV	50	6.98	0.003018	±2.5	PASS
Band40	10MHz	QPSK	38750	50RB#0	NV	-30	-8.85	-0.003831	±2.5	PASS
Band40	10MHz	QPSK	38750	50RB#0	NV	-20	-6.18	-0.002675	±2.5	PASS
Band40	10MHz	QPSK	38750	50RB#0	NV	-10	-4.68	-0.002026	±2.5	PASS
Band40	10MHz	QPSK	38750	50RB#0	NV	0	-10.11	-0.004377	±2.5	PASS
Band40	10MHz	QPSK	38750	50RB#0	NV	10	-5.12	-0.002216	±2.5	PASS
Band40	10MHz	QPSK	38750	50RB#0	NV	20	-7.15	-0.003095	±2.5	PASS
Band40	10MHz	QPSK	38750	50RB#0	NV	30	-4.65	-0.002013	±2.5	PASS
Band40	10MHz	QPSK	38750	50RB#0	NV	40	-10.31	-0.004463	±2.5	PASS
Band40	10MHz	QPSK	38750	50RB#0	NV	50	-9.44	-0.004087	±2.5	PASS
Band40	10MHz	16QAM	38750	50RB#0	NV	-30	-7.95	-0.003442	±2.5	PASS
Band40	10MHz	16QAM	38750	50RB#0	NV	-20	-11.37	-0.004922	±2.5	PASS
Band40	10MHz	16QAM	38750	50RB#0	NV	-10	-7.75	-0.003355	±2.5	PASS
Band40	10MHz	16QAM	38750	50RB#0	NV	0	-7.45	-0.003225	±2.5	PASS
Band40	10MHz	16QAM	38750	50RB#0	NV	10	-8.03	-0.003476	±2.5	PASS
Band40	10MHz	16QAM	38750	50RB#0	NV	20	-6.59	-0.002853	±2.5	PASS
Band40	10MHz	16QAM	38750	50RB#0	NV	30	-8.61	-0.003727	±2.5	PASS
Band40	10MHz	16QAM	38750	50RB#0	NV	40	-3.75	-0.001623	±2.5	PASS
Band40	10MHz	16QAM	38750	50RB#0	NV	50	-2.99	-0.001294	±2.5	PASS