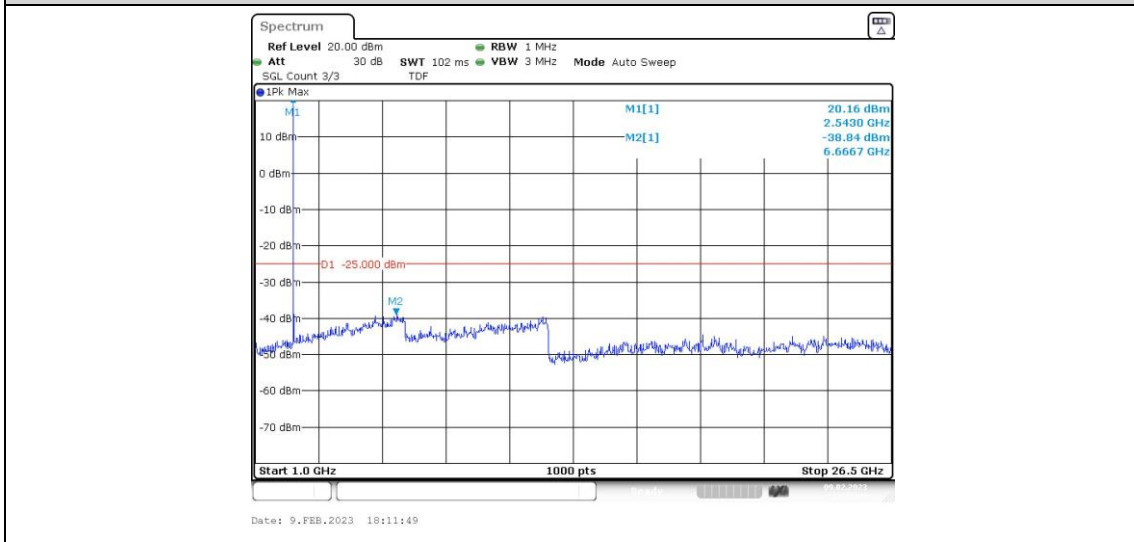


Band7-20MHz-16QAM-21350-1RB#0-Range2:1000~26500MHz



Appendix F: Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
Band7	5MHz	QPSK	20775	25RB#0	VL	NT	-3.78	-0.001510	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	VN	NT	-5.14	-0.002054	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	VH	NT	-6.54	-0.002613	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	VL	NT	-3.53	-0.001393	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	VN	NT	-4.05	-0.001598	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	VH	NT	3.43	0.001353	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	VL	NT	-2.83	-0.001102	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	VN	NT	4.33	0.001686	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	VH	NT	-4.69	-0.001827	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	VL	NT	5.29	0.002114	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	VN	NT	6.14	0.002454	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	VH	NT	4.62	0.001846	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	VL	NT	4.36	0.001720	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	VN	NT	-4.18	-0.001649	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	VH	NT	-2.79	-0.001101	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	VL	NT	-3.93	-0.001531	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	VN	NT	-5.14	-0.002002	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	VH	NT	-3.95	-0.001538	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	VL	NT	-4.65	-0.001856	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	VN	NT	3.58	0.001429	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	VH	NT	-1.79	-0.000715	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VL	NT	6.51	0.002568	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VN	NT	3.79	0.001495	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VH	NT	2.63	0.001037	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	VL	NT	-3.19	-0.001244	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	VN	NT	-3.15	-0.001228	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	VH	NT	3.03	0.001181	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	VL	NT	6.84	0.002731	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	VN	NT	4.58	0.001828	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	VH	NT	3.91	0.001561	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	VL	NT	-3.85	-0.001519	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	VN	NT	-4.65	-0.001834	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	VH	NT	-2.75	-0.001085	±2.5	PASS

Band7	10MHz	16QAM	21400	50RB#0	VL	NT	-3.62	-0.001411	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	VN	NT	-3.42	-0.001333	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	VH	NT	4.38	0.001708	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	VL	NT	2.86	0.001141	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	VN	NT	4.62	0.001842	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	VH	NT	-2.90	-0.001157	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	VL	NT	2.05	0.000809	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	VN	NT	5.51	0.002174	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	VH	NT	-3.02	-0.001191	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	VL	NT	4.84	0.001889	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	VN	NT	4.35	0.001698	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	VH	NT	5.04	0.001967	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	VL	NT	5.56	0.002217	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	VN	NT	4.48	0.001787	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	VH	NT	-3.05	-0.001216	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	VL	NT	-6.08	-0.002398	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	VN	NT	4.05	0.001598	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	VH	NT	-3.59	-0.001416	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	VL	NT	5.12	0.001998	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	VN	NT	4.58	0.001787	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	VH	NT	-2.13	-0.000831	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VL	NT	4.58	0.001825	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VN	NT	3.38	0.001347	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VH	NT	-2.23	-0.000888	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	4.29	0.001692	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	-3.82	-0.001507	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	4.38	0.001728	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	3.92	0.001531	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	-3.56	-0.001391	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	-2.98	-0.001164	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VL	NT	3.98	0.001586	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VN	NT	3.12	0.001243	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VH	NT	-3.35	-0.001335	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VL	NT	3.92	0.001546	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VN	NT	-2.92	-0.001152	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VH	NT	4.99	0.001968	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VL	NT	5.35	0.002090	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VN	NT	3.65	0.001426	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VH	NT	2.06	0.000805	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	NV	-30	-7.42	-0.002965	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	-20	-7.93	-0.003169	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	0	-7.90	-0.003157	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	10	-4.15	-0.001658	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	20	-7.02	-0.002805	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	-30	2.03	0.000801	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	-20	-5.34	-0.002107	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	0	3.69	0.001456	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	10	3.45	0.001361	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	20	-1.86	-0.000734	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	-30	-4.05	-0.001577	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	-20	3.53	0.001375	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	0	-4.46	-0.001737	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	10	-4.73	-0.001842	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	20	-2.27	-0.000884	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	-30	4.36	0.001742	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	-20	-2.95	-0.001179	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	0	5.34	0.002134	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	10	4.75	0.001898	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	20	4.33	0.001730	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	-30	-3.45	-0.001361	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	-20	-4.82	-0.001901	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	0	-2.12	-0.000836	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	10	2.57	0.001014	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	20	5.12	0.002020	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	-30	-4.03	-0.001570	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	-20	-2.33	-0.000907	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	0	4.88	0.001901	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	10	-3.19	-0.001242	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	20	4.31	0.001679	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	-30	3.20	0.001277	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	-20	4.25	0.001697	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	0	3.96	0.001581	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	10	3.23	0.001289	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	20	-2.76	-0.001102	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	-30	-5.66	-0.002233	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	-20	4.81	0.001897	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	0	-4.02	-0.001586	±2.5	PASS

Band7	10MHz	QPSK	21100	50RB#0	NV	10	-4.23	-0.001669	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	20	-2.39	-0.000943	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	-30	5.09	0.001984	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	-20	3.53	0.001376	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	0	-3.83	-0.001493	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	10	-3.69	-0.001439	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	20	4.98	0.001942	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	NV	-30	-3.25	-0.001297	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	NV	-20	-3.95	-0.001577	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	NV	0	3.98	0.001589	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	NV	10	5.92	0.002363	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	NV	20	3.65	0.001457	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	-30	4.35	0.001716	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	-20	-2.53	-0.000998	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	0	-3.52	-0.001389	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	10	2.92	0.001152	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	20	-3.88	-0.001531	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	-30	1.59	0.000620	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	-20	-3.33	-0.001298	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	0	-4.56	-0.001778	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	10	-2.69	-0.001049	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	20	5.42	0.002113	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	-30	-4.63	-0.001846	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	-20	-5.95	-0.002373	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	0	-2.13	-0.000849	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	10	3.52	0.001404	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	20	3.26	0.001300	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	-30	2.06	0.000813	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	-20	-2.88	-0.001136	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	0	-2.45	-0.000966	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	10	-3.89	-0.001535	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	20	2.60	0.001026	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	-30	4.56	0.001780	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	-20	5.22	0.002037	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	0	-3.10	-0.001210	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	10	-5.45	-0.002127	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	20	2.69	0.001050	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	NV	-30	-4.82	-0.001922	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	NV	-20	-3.89	-0.001551	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	NV	0	2.35	0.000937	±2.5	PASS

Band7	15MHz	16QAM	20825	75RB#0	NV	10	3.96	0.001579	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	NV	20	-4.52	-0.001803	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	NV	-30	4.51	0.001779	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	NV	-20	2.36	0.000931	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	NV	0	-3.23	-0.001274	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	NV	10	1.92	0.000757	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	NV	20	-1.93	-0.000761	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	-30	-2.86	-0.001116	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	-20	-1.82	-0.000710	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	0	-4.35	-0.001698	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	10	4.71	0.001838	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	20	-3.93	-0.001534	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-30	-5.39	-0.002147	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	-4.22	-0.001681	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	3.71	0.001478	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	1.85	0.000737	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	-4.23	-0.001685	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	3.32	0.001310	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	4.85	0.001913	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	4.96	0.001957	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	-1.26	-0.000497	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	-3.95	-0.001558	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	-2.40	-0.000938	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	-4.89	-0.001910	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	3.08	0.001203	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	-5.49	-0.002145	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	-3.71	-0.001449	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-30	-4.23	-0.001685	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-20	-5.58	-0.002223	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	0	-5.72	-0.002279	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	10	5.04	0.002008	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	20	-2.22	-0.000884	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-30	-6.07	-0.002394	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-20	5.58	0.002201	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	0	3.89	0.001535	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	10	3.22	0.001270	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	20	-3.50	-0.001381	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-30	-3.53	-0.001379	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-20	-2.82	-0.001102	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	0	-3.38	-0.001320	±2.5	PASS

Band7	20MHz	16QAM	21350	100RB#0	NV	10	4.63	0.001809	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	20	3.23	0.001262	±2.5	PASS