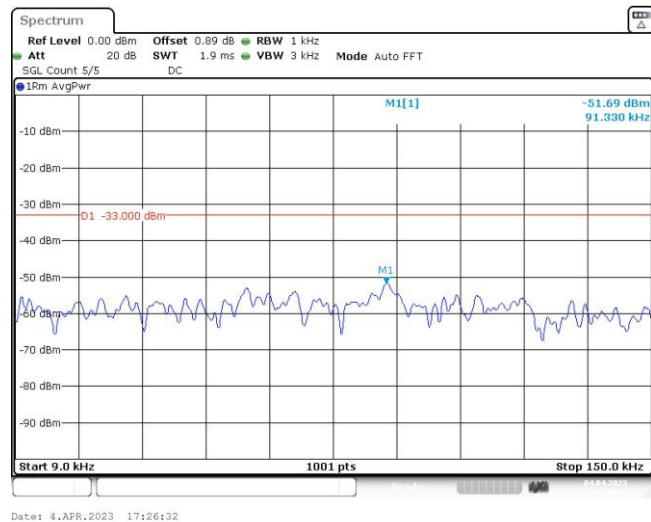
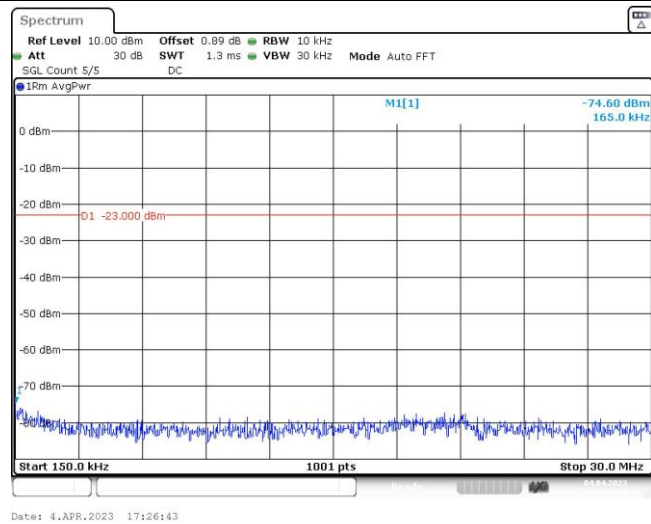
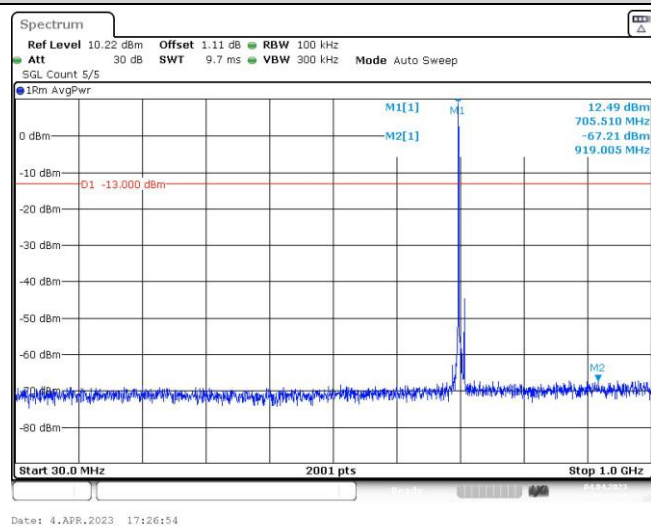




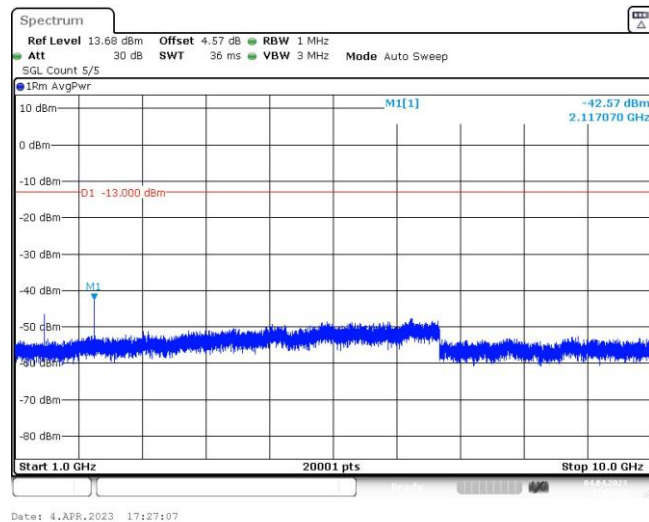
Band17-10MHz-QPSK-23790-1RB#0-Range2:0.15~30MHz



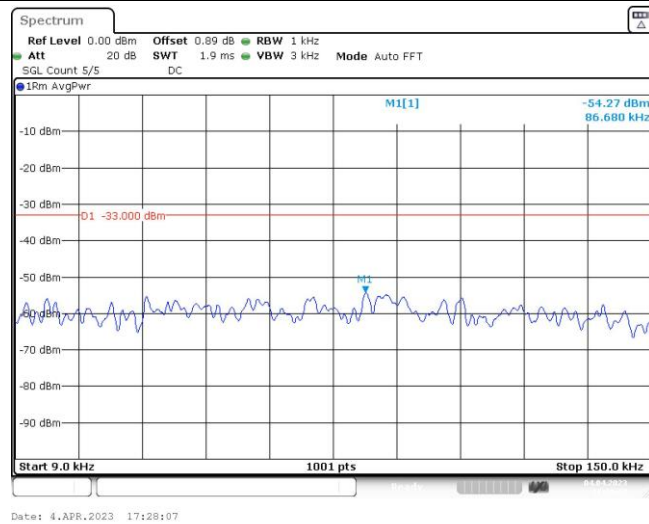
Band17-10MHz-QPSK-23790-1RB#0-Range3:30~1000MHz



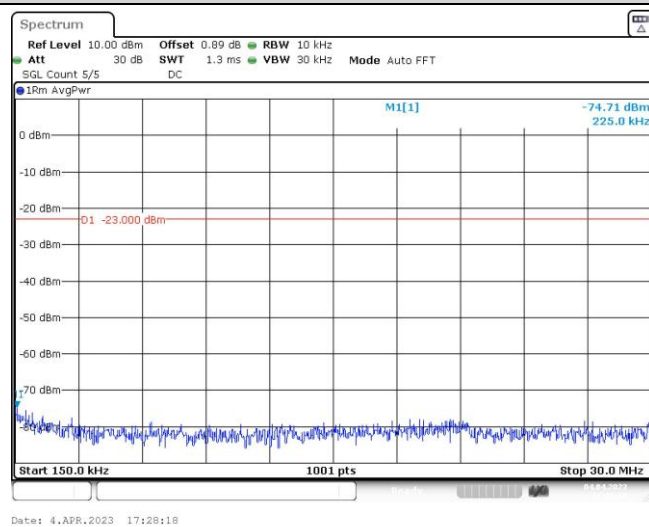
Band17-10MHz-QPSK-23790-1RB#0-Range4:1000~10000MHz



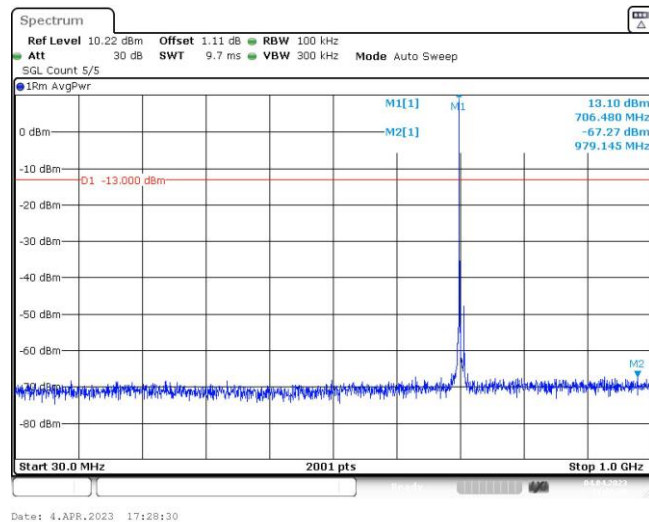
Band17-10MHz-QPSK-23800-1RB#0-Range1:0.009~0.15MHz



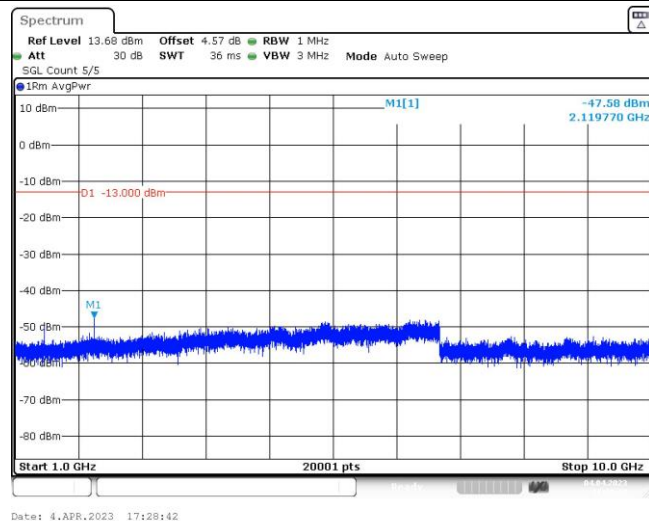
Band17-10MHz-QPSK-23800-1RB#0-Range2:0.15~30MHz



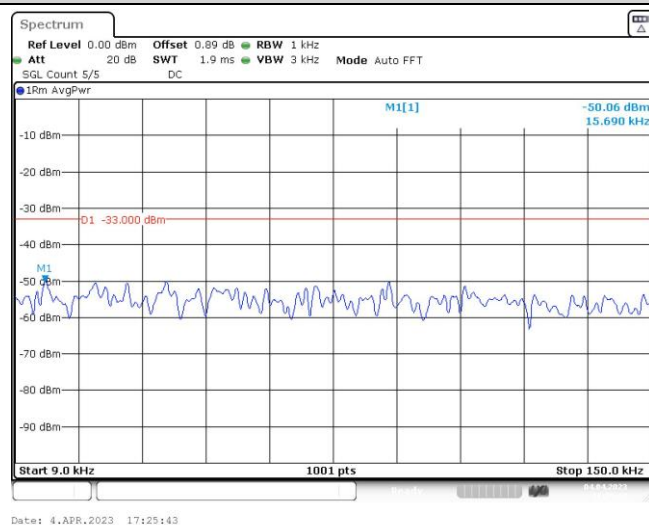
Band17-10MHz-QPSK-23800-1RB#0-Range3:30~1000MHz



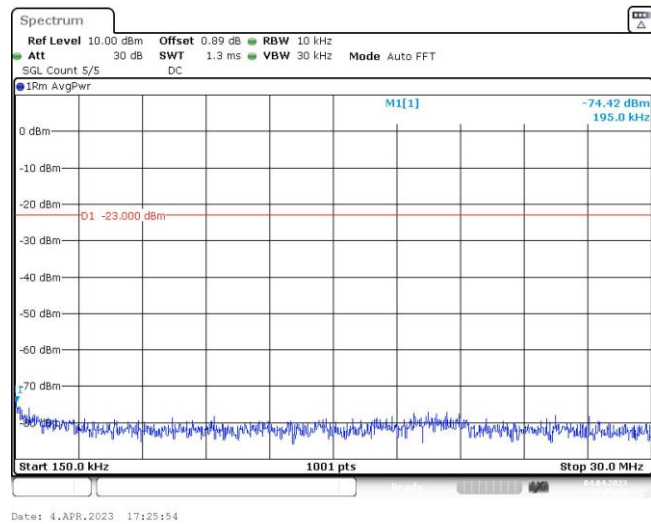
Band17-10MHz-QPSK-23800-1RB#0-Range4:1000~10000MHz



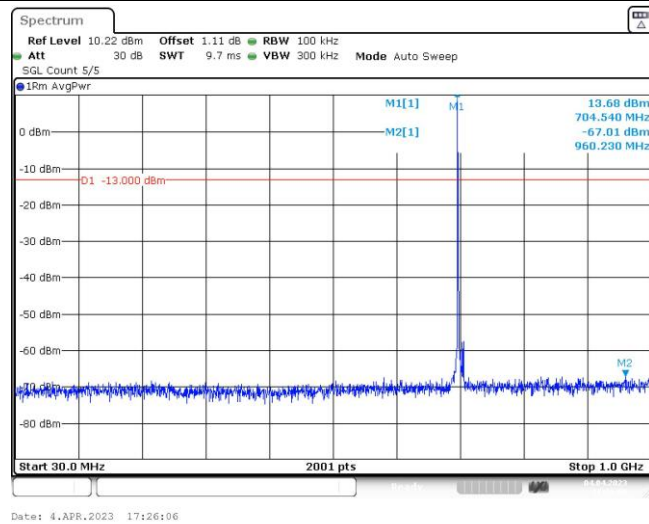
Band17-10MHz-16QAM-23780-1RB#0-Range1:0.009~0.15MHz



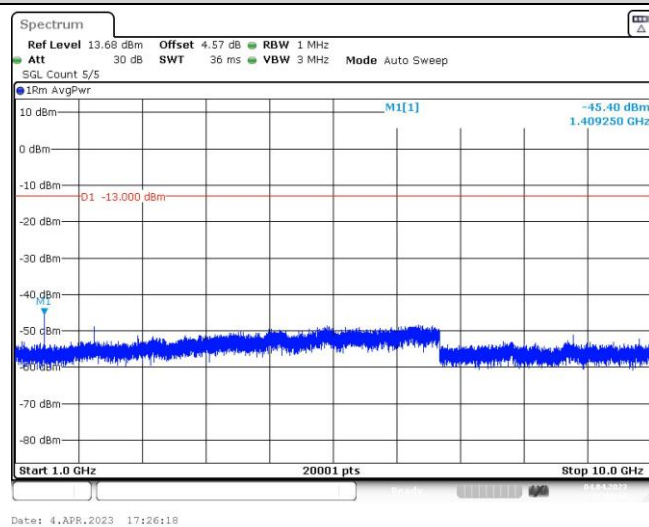
Band17-10MHz-16QAM-23780-1RB#0-Range2:0.15~30MHz



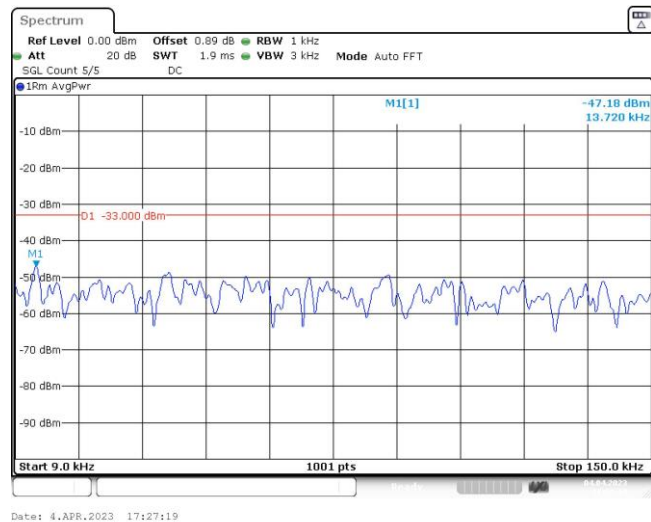
Band17-10MHz-16QAM-23780-1RB#0-Range3:30~1000MHz



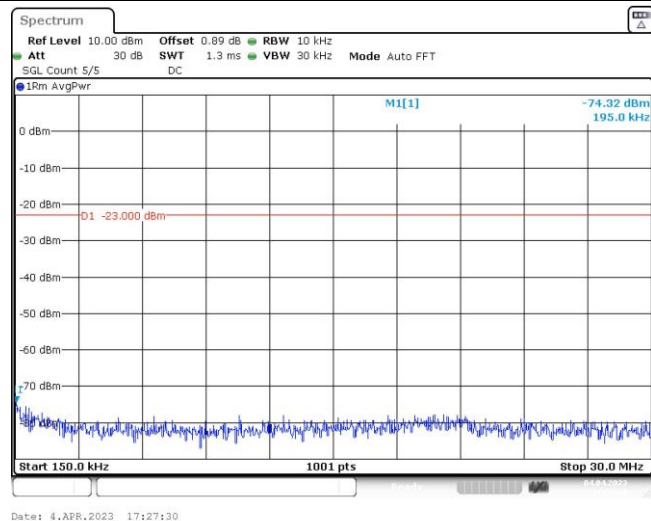
Band17-10MHz-16QAM-23780-1RB#0-Range4:1000~10000MHz



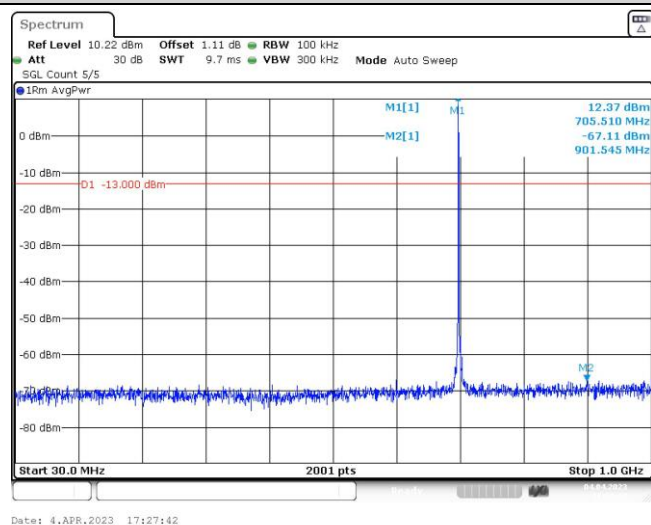
Band17-10MHz-16QAM-23790-1RB#0-Range1:0.009~0.15MHz



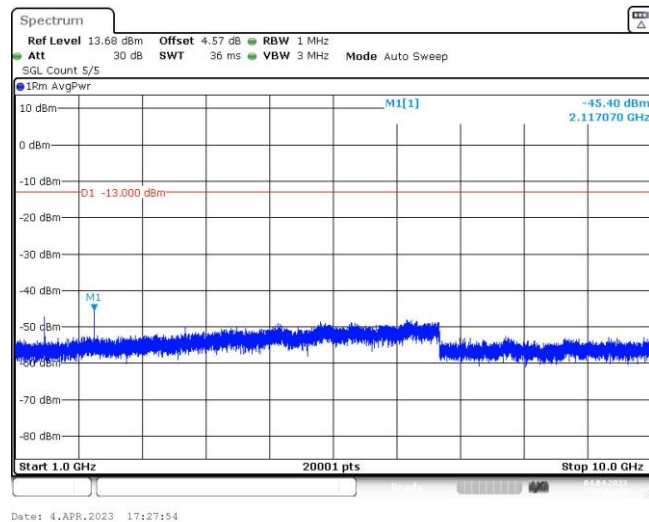
Band17-10MHz-16QAM-23790-1RB#0-Range2:0.15~30MHz



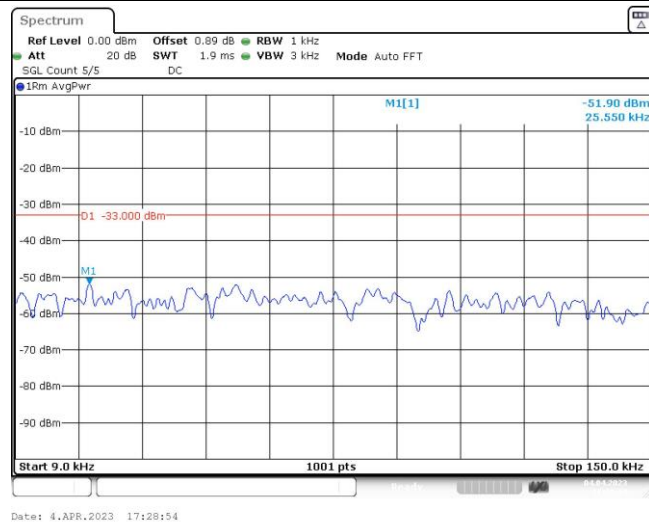
Band17-10MHz-16QAM-23790-1RB#0-Range3:30~1000MHz



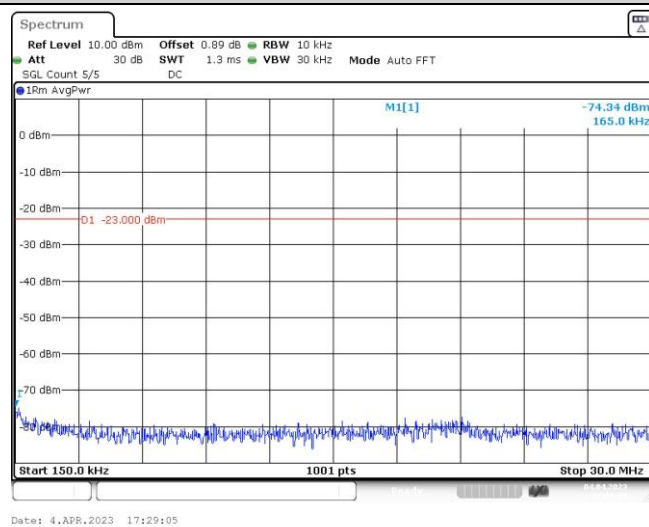
Band17-10MHz-16QAM-23790-1RB#0-Range4:1000~10000MHz



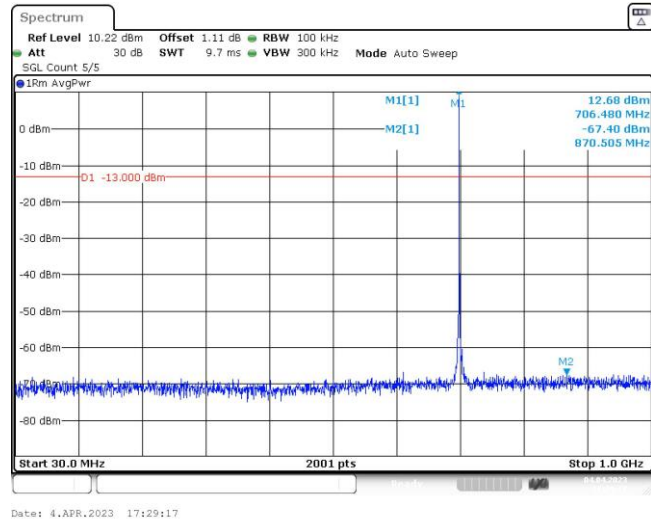
Band17-10MHz-16QAM-23800-1RB#0-Range1:0.009~0.15MHz



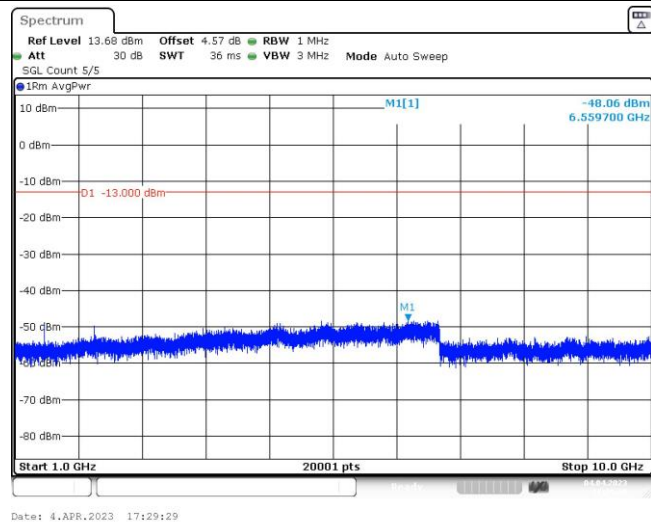
Band17-10MHz-16QAM-23800-1RB#0-Range2:0.15~30MHz



Band17-10MHz-16QAM-23800-1RB#0-Range3:30~1000MHz



Band17-10MHz-16QAM-23800-1RB#0-Range4:1000~10000MHz



Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band1 7	5MHz	QPSK	23755	25RB#0	VL	NT	3.76	0.005322	±2.5	PASS
Band1 7	5MHz	QPSK	23755	25RB#0	VN	NT	2.92	0.004133	±2.5	PASS
Band1 7	5MHz	QPSK	23755	25RB#0	VH	NT	3.36	0.004756	±2.5	PASS
Band1 7	5MHz	QPSK	23790	25RB#0	VL	NT	2.02	0.002845	±2.5	PASS
Band1 7	5MHz	QPSK	23790	25RB#0	VN	NT	-1.43	-0.002014	±2.5	PASS
Band1 7	5MHz	QPSK	23790	25RB#0	VH	NT	2.06	0.002901	±2.5	PASS
Band1 7	5MHz	QPSK	23825	25RB#0	VL	NT	1.20	0.001682	±2.5	PASS
Band1 7	5MHz	QPSK	23825	25RB#0	VN	NT	-2.96	-0.004149	±2.5	PASS
Band1 7	5MHz	QPSK	23825	25RB#0	VH	NT	1.29	0.001808	±2.5	PASS
Band1 7	5MHz	16QAM	23755	25RB#0	VL	NT	-2.13	-0.003015	±2.5	PASS
Band1 7	5MHz	16QAM	23755	25RB#0	VN	NT	1.75	0.002477	±2.5	PASS
Band1 7	5MHz	16QAM	23755	25RB#0	VH	NT	-1.46	-0.002067	±2.5	PASS
Band1 7	5MHz	16QAM	23790	25RB#0	VL	NT	1.62	0.002282	±2.5	PASS
Band1 7	5MHz	16QAM	23790	25RB#0	VN	NT	-1.02	-0.001437	±2.5	PASS
Band1 7	5MHz	16QAM	23790	25RB#0	VH	NT	0.82	0.001155	±2.5	PASS
Band1 7	5MHz	16QAM	23825	25RB#0	VL	NT	1.17	0.001640	±2.5	PASS
Band1 7	5MHz	16QAM	23825	25RB#0	VN	NT	-3.12	-0.004373	±2.5	PASS

Band1 7	5MHz	16QAM	23825	25RB#0	VH	NT	-2.07	-0.002901	±2.5	PASS
Band1 7	10MHz	QPSK	23780	50RB#0	VL	NT	-1.20	-0.001693	±2.5	PASS
Band1 7	10MHz	QPSK	23780	50RB#0	VN	NT	-1.36	-0.001918	±2.5	PASS
Band1 7	10MHz	QPSK	23780	50RB#0	VH	NT	-1.59	-0.002243	±2.5	PASS
Band1 7	10MHz	QPSK	23790	50RB#0	VL	NT	-2.33	-0.003282	±2.5	PASS
Band1 7	10MHz	QPSK	23790	50RB#0	VN	NT	-3.35	-0.004718	±2.5	PASS
Band1 7	10MHz	QPSK	23790	50RB#0	VH	NT	-0.86	-0.001211	±2.5	PASS
Band1 7	10MHz	QPSK	23800	50RB#0	VL	NT	-1.37	-0.001927	±2.5	PASS
Band1 7	10MHz	QPSK	23800	50RB#0	VN	NT	-1.44	-0.002025	±2.5	PASS
Band1 7	10MHz	QPSK	23800	50RB#0	VH	NT	1.73	0.002433	±2.5	PASS
Band1 7	10MHz	16QAM	23780	50RB#0	VL	NT	-3.38	-0.004767	±2.5	PASS
Band1 7	10MHz	16QAM	23780	50RB#0	VN	NT	-0.84	-0.001185	±2.5	PASS
Band1 7	10MHz	16QAM	23780	50RB#0	VH	NT	1.76	0.002482	±2.5	PASS
Band1 7	10MHz	16QAM	23790	50RB#0	VL	NT	-2.12	-0.002986	±2.5	PASS
Band1 7	10MHz	16QAM	23790	50RB#0	VN	NT	-1.52	-0.002141	±2.5	PASS
Band1 7	10MHz	16QAM	23790	50RB#0	VH	NT	-2.47	-0.003479	±2.5	PASS
Band1 7	10MHz	16QAM	23800	50RB#0	VL	NT	2.40	0.003376	±2.5	PASS
Band1 7	10MHz	16QAM	23800	50RB#0	VN	NT	-2.37	-0.003333	±2.5	PASS
Band1 7	10MHz	16QAM	23800	50RB#0	VH	NT	1.34	0.001885	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band1 7	5MHz	QPSK	23755	25RB#0	NV	-30	2.06	0.002916	±2.5	PASS
Band1 7	5MHz	QPSK	23755	25RB#0	NV	-20	2.89	0.004091	±2.5	PASS
Band1 7	5MHz	QPSK	23755	25RB#0	NV	-10	1.37	0.001939	±2.5	PASS
Band1 7	5MHz	QPSK	23755	25RB#0	NV	0	1.67	0.002364	±2.5	PASS
Band1 7	5MHz	QPSK	23755	25RB#0	NV	10	-1.73	-0.002449	±2.5	PASS
Band1 7	5MHz	QPSK	23755	25RB#0	NV	20	-2.46	-0.003482	±2.5	PASS
Band1 7	5MHz	QPSK	23755	25RB#0	NV	30	-2.60	-0.003680	±2.5	PASS
Band1 7	5MHz	QPSK	23755	25RB#0	NV	40	-2.39	-0.003383	±2.5	PASS
Band1 7	5MHz	QPSK	23755	25RB#0	NV	50	-2.88	-0.004076	±2.5	PASS
Band1 7	5MHz	QPSK	23790	25RB#0	NV	-30	2.35	0.003310	±2.5	PASS
Band1 7	5MHz	QPSK	23790	25RB#0	NV	-20	-1.63	-0.002296	±2.5	PASS
Band1 7	5MHz	QPSK	23790	25RB#0	NV	-10	2.16	0.003042	±2.5	PASS
Band1 7	5MHz	QPSK	23790	25RB#0	NV	0	4.41	0.006211	±2.5	PASS
Band1 7	5MHz	QPSK	23790	25RB#0	NV	10	3.75	0.005282	±2.5	PASS
Band1 7	5MHz	QPSK	23790	25RB#0	NV	20	2.49	0.003507	±2.5	PASS
Band1 7	5MHz	QPSK	23790	25RB#0	NV	30	2.19	0.003085	±2.5	PASS
Band1 7	5MHz	QPSK	23790	25RB#0	NV	40	2.56	0.003606	±2.5	PASS
Band1 7	5MHz	QPSK	23790	25RB#0	NV	50	2.03	0.002859	±2.5	PASS
Band1 7	5MHz	QPSK	23825	25RB#0	NV	-30	-1.44	-0.002018	±2.5	PASS

Band1 7	5MHz	QPSK	23825	25RB#0	NV	-20	-2.90	-0.004064	±2.5	PASS
Band1 7	5MHz	QPSK	23825	25RB#0	NV	-10	-2.70	-0.003784	±2.5	PASS
Band1 7	5MHz	QPSK	23825	25RB#0	NV	0	2.76	0.003868	±2.5	PASS
Band1 7	5MHz	QPSK	23825	25RB#0	NV	10	-1.83	-0.002565	±2.5	PASS
Band1 7	5MHz	QPSK	23825	25RB#0	NV	20	-2.33	-0.003266	±2.5	PASS
Band1 7	5MHz	QPSK	23825	25RB#0	NV	30	-1.60	-0.002242	±2.5	PASS
Band1 7	5MHz	QPSK	23825	25RB#0	NV	40	-3.65	-0.005116	±2.5	PASS
Band1 7	5MHz	QPSK	23825	25RB#0	NV	50	-2.42	-0.003392	±2.5	PASS
Band1 7	5MHz	16QAM	23755	25RB#0	NV	-30	-2.33	-0.003298	±2.5	PASS
Band1 7	5MHz	16QAM	23755	25RB#0	NV	-20	1.97	0.002788	±2.5	PASS
Band1 7	5MHz	16QAM	23755	25RB#0	NV	-10	1.42	0.002010	±2.5	PASS
Band1 7	5MHz	16QAM	23755	25RB#0	NV	0	1.90	0.002689	±2.5	PASS
Band1 7	5MHz	16QAM	23755	25RB#0	NV	10	1.67	0.002364	±2.5	PASS
Band1 7	5MHz	16QAM	23755	25RB#0	NV	20	-2.19	-0.003100	±2.5	PASS
Band1 7	5MHz	16QAM	23755	25RB#0	NV	30	3.00	0.004246	±2.5	PASS
Band1 7	5MHz	16QAM	23755	25RB#0	NV	40	2.46	0.003482	±2.5	PASS
Band1 7	5MHz	16QAM	23755	25RB#0	NV	50	-1.86	-0.002633	±2.5	PASS
Band1 7	5MHz	16QAM	23790	25RB#0	NV	-30	1.83	0.002577	±2.5	PASS
Band1 7	5MHz	16QAM	23790	25RB#0	NV	-20	1.40	0.001972	±2.5	PASS
Band1 7	5MHz	16QAM	23790	25RB#0	NV	-10	-1.85	-0.002606	±2.5	PASS
Band1 7	5MHz	16QAM	23790	25RB#0	NV	0	-2.68	-0.003775	±2.5	PASS

Band1 7	5MHz	16QAM	23790	25RB#0	NV	10	-2.89	-0.004070	±2.5	PASS
Band1 7	5MHz	16QAM	23790	25RB#0	NV	20	-2.22	-0.003127	±2.5	PASS
Band1 7	5MHz	16QAM	23790	25RB#0	NV	30	-1.95	-0.002746	±2.5	PASS
Band1 7	5MHz	16QAM	23790	25RB#0	NV	40	-2.55	-0.003592	±2.5	PASS
Band1 7	5MHz	16QAM	23790	25RB#0	NV	50	-2.45	-0.003451	±2.5	PASS
Band1 7	5MHz	16QAM	23825	25RB#0	NV	-30	-3.03	-0.004247	±2.5	PASS
Band1 7	5MHz	16QAM	23825	25RB#0	NV	-20	-1.62	-0.002270	±2.5	PASS
Band1 7	5MHz	16QAM	23825	25RB#0	NV	-10	-2.32	-0.003252	±2.5	PASS
Band1 7	5MHz	16QAM	23825	25RB#0	NV	0	1.02	0.001430	±2.5	PASS
Band1 7	5MHz	16QAM	23825	25RB#0	NV	10	2.29	0.003210	±2.5	PASS
Band1 7	5MHz	16QAM	23825	25RB#0	NV	20	2.57	0.003602	±2.5	PASS
Band1 7	5MHz	16QAM	23825	25RB#0	NV	30	-2.59	-0.003630	±2.5	PASS
Band1 7	5MHz	16QAM	23825	25RB#0	NV	40	2.70	0.003784	±2.5	PASS
Band1 7	5MHz	16QAM	23825	25RB#0	NV	50	1.59	0.002228	±2.5	PASS
Band1 7	10MHz	QPSK	23780	50RB#0	NV	-30	-2.98	-0.004203	±2.5	PASS
Band1 7	10MHz	QPSK	23780	50RB#0	NV	-20	-1.85	-0.002609	±2.5	PASS
Band1 7	10MHz	QPSK	23780	50RB#0	NV	-10	1.37	0.001932	±2.5	PASS
Band1 7	10MHz	QPSK	23780	50RB#0	NV	0	-2.76	-0.003893	±2.5	PASS
Band1 7	10MHz	QPSK	23780	50RB#0	NV	10	-1.90	-0.002680	±2.5	PASS
Band1 7	10MHz	QPSK	23780	50RB#0	NV	20	-1.20	-0.001693	±2.5	PASS
Band1 7	10MHz	QPSK	23780	50RB#0	NV	30	2.55	0.003597	±2.5	PASS

Band1 7	10MHz	QPSK	23780	50RB#0	NV	40	-1.85	-0.002609	±2.5	PASS
Band1 7	10MHz	QPSK	23780	50RB#0	NV	50	-0.96	-0.001354	±2.5	PASS
Band1 7	10MHz	QPSK	23790	50RB#0	NV	-30	-2.32	-0.003268	±2.5	PASS
Band1 7	10MHz	QPSK	23790	50RB#0	NV	-20	-1.69	-0.002380	±2.5	PASS
Band1 7	10MHz	QPSK	23790	50RB#0	NV	-10	1.16	0.001634	±2.5	PASS
Band1 7	10MHz	QPSK	23790	50RB#0	NV	0	1.43	0.002014	±2.5	PASS
Band1 7	10MHz	QPSK	23790	50RB#0	NV	10	-2.57	-0.003620	±2.5	PASS
Band1 7	10MHz	QPSK	23790	50RB#0	NV	20	-2.30	-0.003239	±2.5	PASS
Band1 7	10MHz	QPSK	23790	50RB#0	NV	30	-1.29	-0.001817	±2.5	PASS
Band1 7	10MHz	QPSK	23790	50RB#0	NV	40	1.83	0.002577	±2.5	PASS
Band1 7	10MHz	QPSK	23790	50RB#0	NV	50	-2.56	-0.003606	±2.5	PASS
Band1 7	10MHz	QPSK	23800	50RB#0	NV	-30	-1.87	-0.002630	±2.5	PASS
Band1 7	10MHz	QPSK	23800	50RB#0	NV	-20	-2.57	-0.003615	±2.5	PASS
Band1 7	10MHz	QPSK	23800	50RB#0	NV	-10	1.43	0.002011	±2.5	PASS
Band1 7	10MHz	QPSK	23800	50RB#0	NV	0	2.42	0.003404	±2.5	PASS
Band1 7	10MHz	QPSK	23800	50RB#0	NV	10	1.83	0.002574	±2.5	PASS
Band1 7	10MHz	QPSK	23800	50RB#0	NV	20	-1.42	-0.001997	±2.5	PASS
Band1 7	10MHz	QPSK	23800	50RB#0	NV	30	-1.92	-0.002700	±2.5	PASS
Band1 7	10MHz	QPSK	23800	50RB#0	NV	40	-1.00	-0.001406	±2.5	PASS
Band1 7	10MHz	QPSK	23800	50RB#0	NV	50	2.43	0.003418	±2.5	PASS
Band1 7	10MHz	16QAM	23780	50RB#0	NV	-30	-1.57	-0.002214	±2.5	PASS

Band1 7	10MHz	16QAM	23780	50RB#0	NV	-20	-2.46	-0.003470	±2.5	PASS
Band1 7	10MHz	16QAM	23780	50RB#0	NV	-10	-1.07	-0.001509	±2.5	PASS
Band1 7	10MHz	16QAM	23780	50RB#0	NV	0	1.39	0.001961	±2.5	PASS
Band1 7	10MHz	16QAM	23780	50RB#0	NV	10	1.44	0.002031	±2.5	PASS
Band1 7	10MHz	16QAM	23780	50RB#0	NV	20	-1.80	-0.002539	±2.5	PASS
Band1 7	10MHz	16QAM	23780	50RB#0	NV	30	-3.12	-0.004401	±2.5	PASS
Band1 7	10MHz	16QAM	23780	50RB#0	NV	40	-1.69	-0.002384	±2.5	PASS
Band1 7	10MHz	16QAM	23780	50RB#0	NV	50	-2.76	-0.003893	±2.5	PASS
Band1 7	10MHz	16QAM	23790	50RB#0	NV	-30	-1.46	-0.002056	±2.5	PASS
Band1 7	10MHz	16QAM	23790	50RB#0	NV	-20	-2.56	-0.003606	±2.5	PASS
Band1 7	10MHz	16QAM	23790	50RB#0	NV	-10	-2.15	-0.003028	±2.5	PASS
Band1 7	10MHz	16QAM	23790	50RB#0	NV	0	-3.09	-0.004352	±2.5	PASS
Band1 7	10MHz	16QAM	23790	50RB#0	NV	10	-2.25	-0.003169	±2.5	PASS
Band1 7	10MHz	16QAM	23790	50RB#0	NV	20	-2.19	-0.003085	±2.5	PASS
Band1 7	10MHz	16QAM	23790	50RB#0	NV	30	-1.90	-0.002676	±2.5	PASS
Band1 7	10MHz	16QAM	23790	50RB#0	NV	40	-3.52	-0.004958	±2.5	PASS
Band1 7	10MHz	16QAM	23790	50RB#0	NV	50	1.59	0.002239	±2.5	PASS
Band1 7	10MHz	16QAM	23800	50RB#0	NV	-30	1.54	0.002166	±2.5	PASS
Band1 7	10MHz	16QAM	23800	50RB#0	NV	-20	-2.73	-0.003840	±2.5	PASS
Band1 7	10MHz	16QAM	23800	50RB#0	NV	-10	1.73	0.002433	±2.5	PASS
Band1 7	10MHz	16QAM	23800	50RB#0	NV	0	-2.55	-0.003586	±2.5	PASS

Band1 7	10MHz	16QAM	23800	50RB#0	NV	10	2.65	0.003727	±2.5	PASS
Band1 7	10MHz	16QAM	23800	50RB#0	NV	20	1.19	0.001674	±2.5	PASS
Band1 7	10MHz	16QAM	23800	50RB#0	NV	30	-2.75	-0.003868	±2.5	PASS
Band1 7	10MHz	16QAM	23800	50RB#0	NV	40	1.42	0.001997	±2.5	PASS
Band1 7	10MHz	16QAM	23800	50RB#0	NV	50	1.95	0.002743	±2.5	PASS