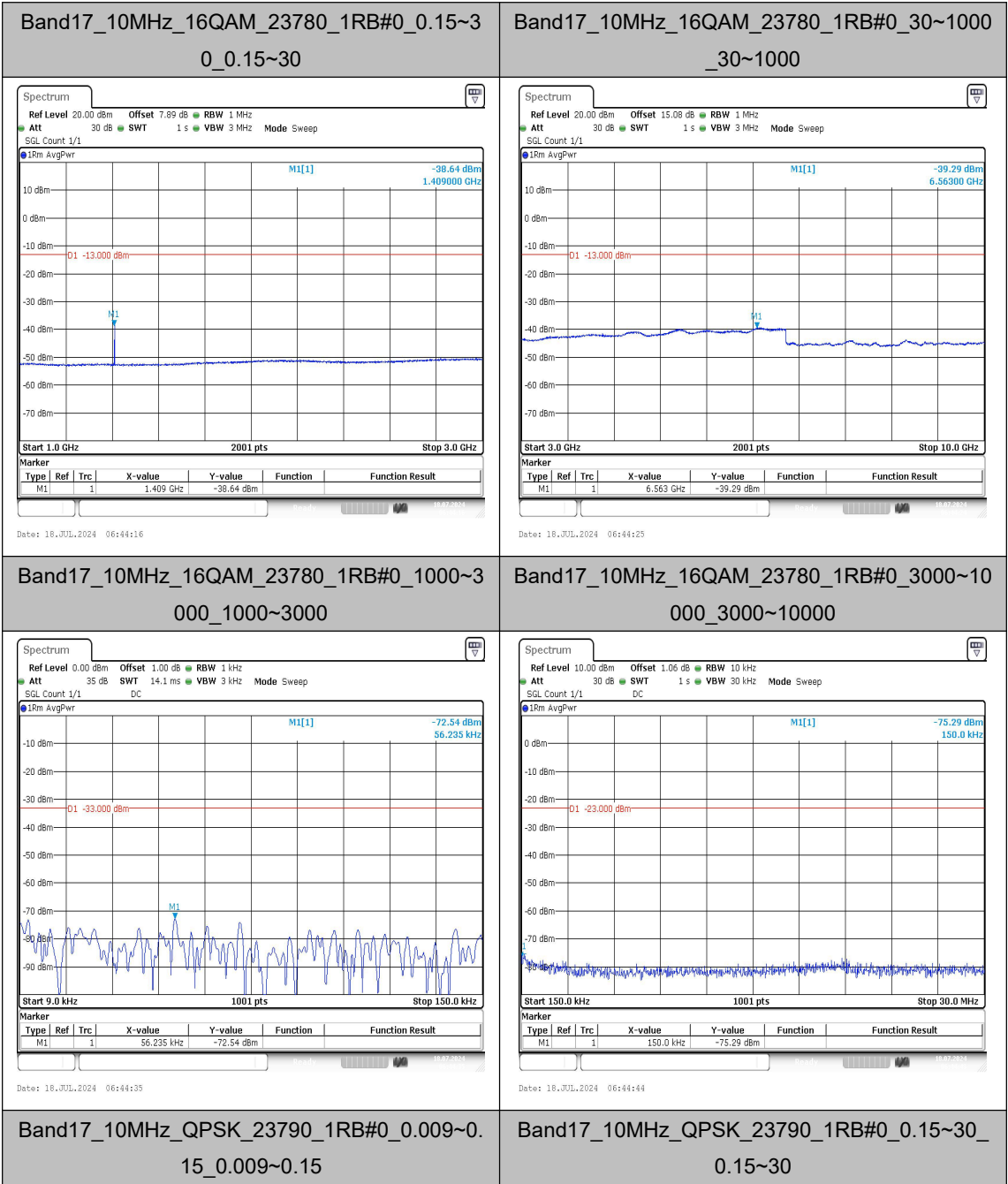
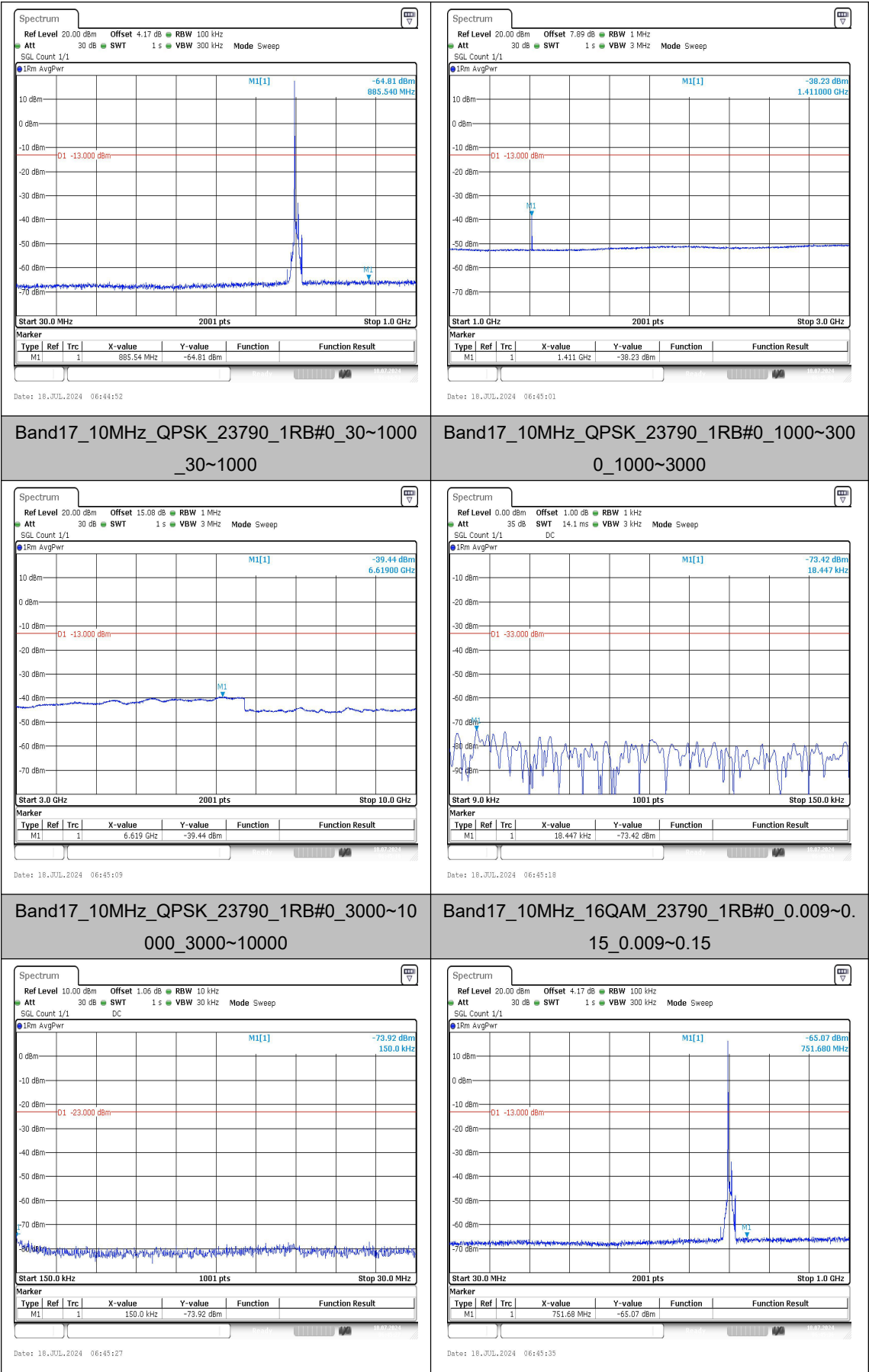
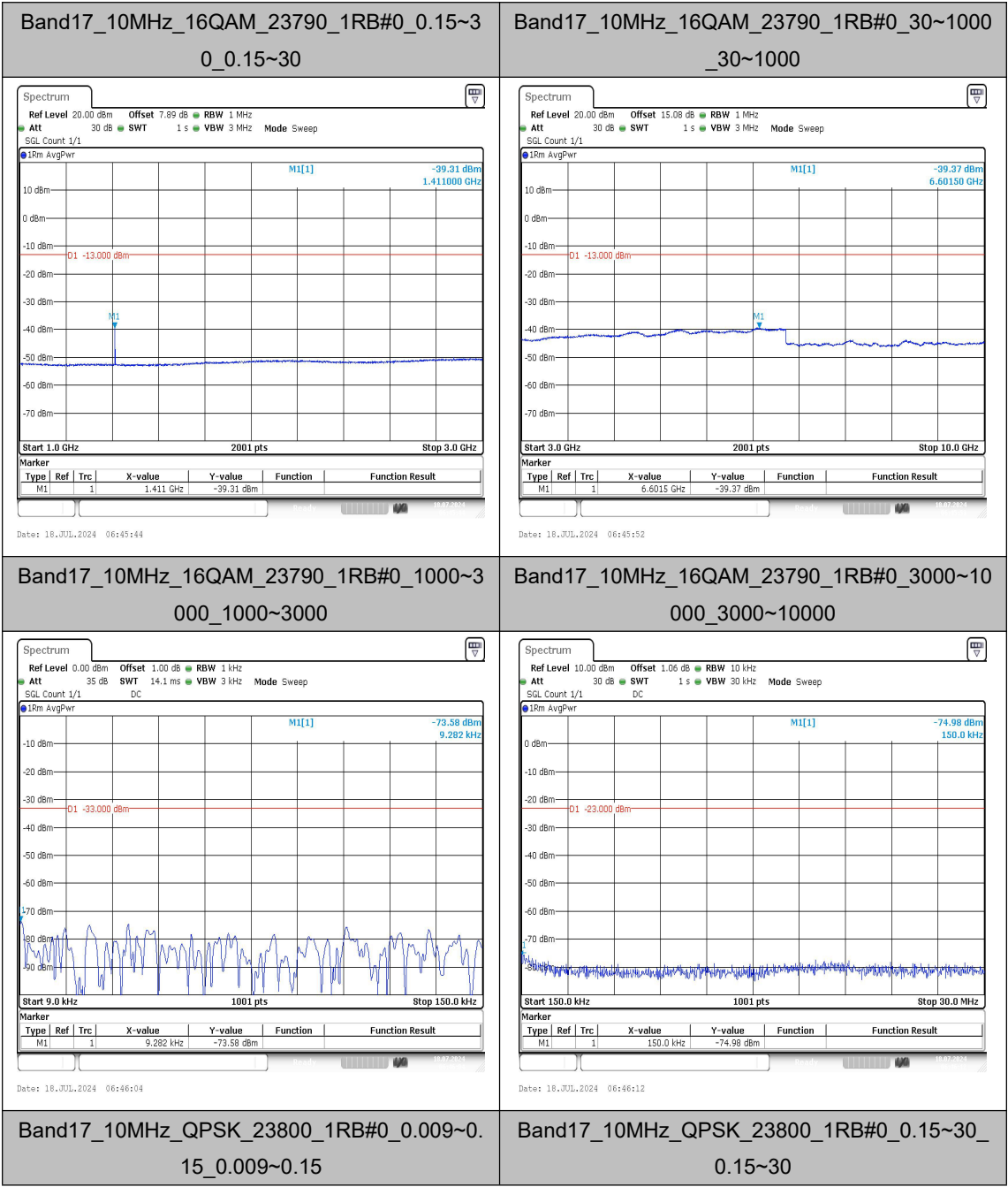
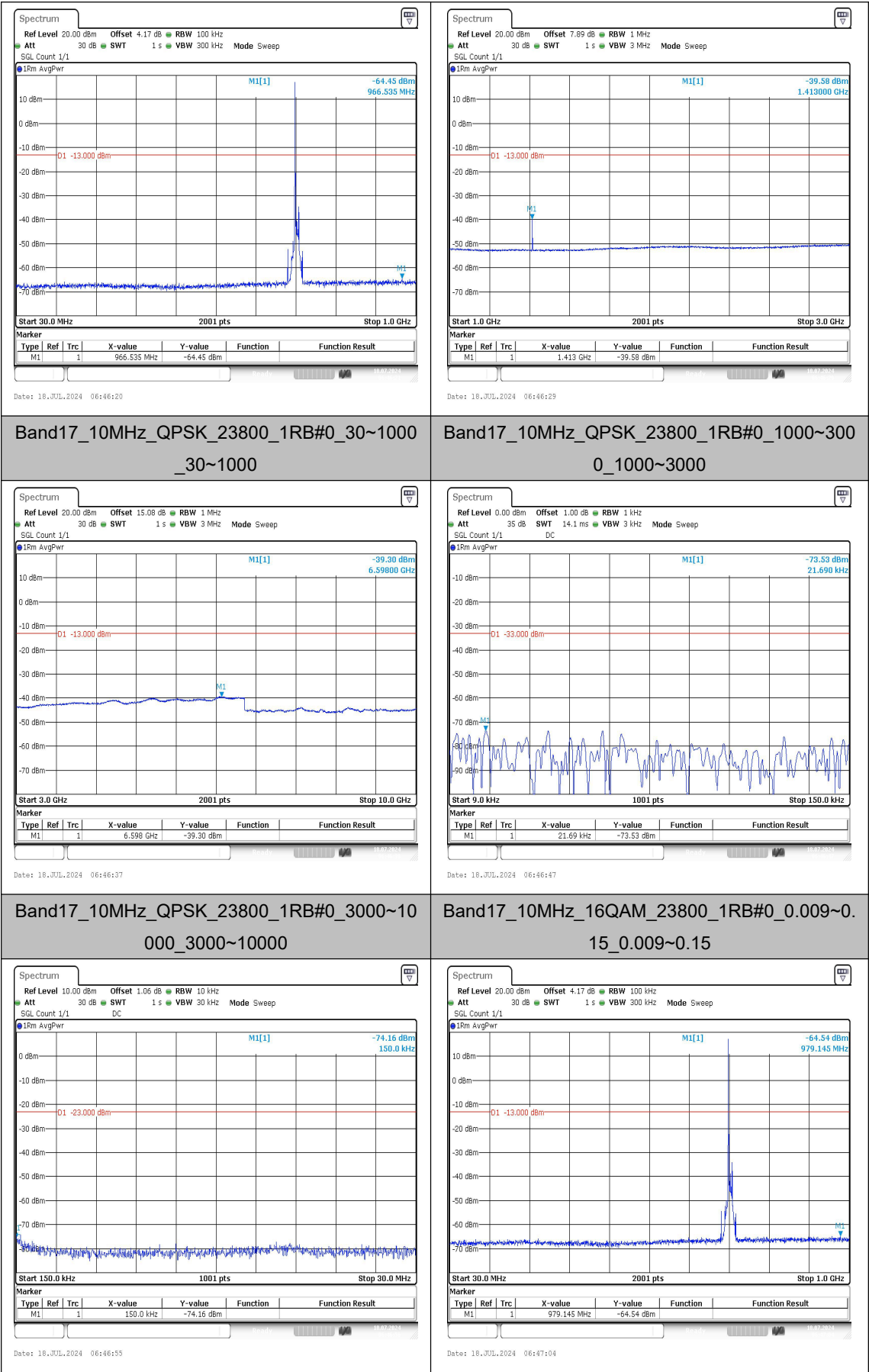
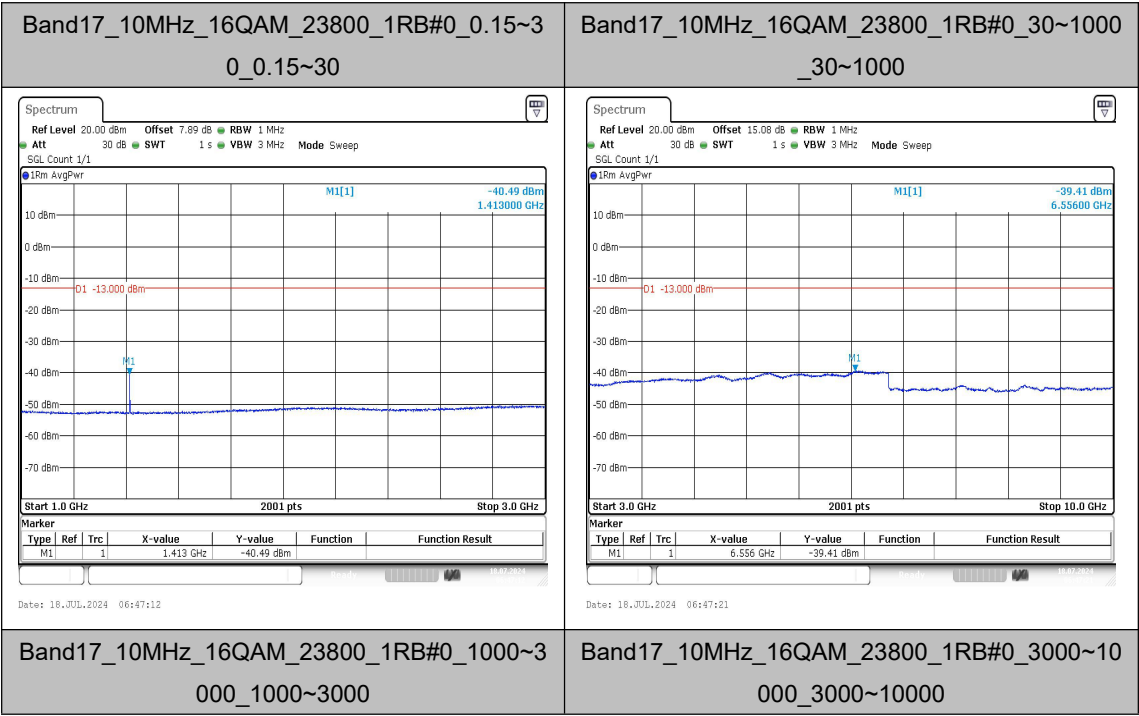












Appendix F: Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
Band17	5MHz	QPSK	23755	25RB#0	VN	NT	-6.84	-0.009682	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	VL	NT	-9.64	-0.013645	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	VH	NT	-13.90	-0.019674	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VN	NT	-6.84	-0.009682	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VL	NT	-9.27	-0.013121	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VH	NT	-8.80	-0.012456	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VN	NT	-2.73	-0.003845	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VL	NT	-8.90	-0.012535	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VH	NT	-9.36	-0.013183	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VN	NT	-9.04	-0.012732	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VL	NT	-8.64	-0.012169	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VH	NT	-5.87	-0.008268	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VN	NT	-3.19	-0.004471	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VL	NT	-10.34	-0.014492	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VH	NT	-10.29	-0.014422	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VN	NT	-10.71	-0.015011	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VL	NT	-7.85	-0.011002	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VH	NT	-6.01	-0.008423	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VN	NT	-5.64	-0.007955	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VL	NT	-7.74	-0.010917	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VH	NT	-5.16	-0.007278	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VN	NT	4.26	0.006008	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VL	NT	-7.08	-0.009986	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VH	NT	-3.32	-0.004683	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VN	NT	-3.23	-0.004549	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VL	NT	-6.09	-0.008577	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VH	NT	-11.83	-0.016662	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VN	NT	-8.13	-0.011451	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VL	NT	-12.97	-0.018268	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VH	NT	-12.17	-0.017141	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VN	NT	-5.69	-0.008003	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VL	NT	-8.53	-0.011997	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VH	NT	-9.18	-0.012911	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	VN	NT	-10.44	-0.014684	±2.5	PASS

Band17	10MHz	16QAM	23800	50RB#0	VL	NT	-7.95	-0.011181	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	VH	NT	-9.03	-0.012700	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	NV	-30	-9.28	-0.013135	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	-20	-9.90	-0.014013	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	-10	-6.45	-0.009130	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	0	-8.10	-0.011465	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	10	-7.87	-0.011139	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	20	-11.04	-0.015626	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	30	-7.44	-0.010531	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	40	-13.18	-0.018655	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	50	-8.50	-0.012031	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-30	-4.56	-0.006454	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-20	-6.82	-0.009653	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-10	-7.75	-0.010970	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	0	-4.63	-0.006553	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	10	-4.23	-0.005987	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	20	-10.07	-0.014253	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	30	-9.31	-0.013178	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	40	-15.16	-0.021458	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	50	-8.45	-0.011960	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-30	-11.62	-0.016366	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-20	-5.52	-0.007775	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-10	-9.47	-0.013338	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	0	-6.84	-0.009634	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	10	-11.07	-0.015592	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	20	-8.48	-0.011944	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	30	-8.08	-0.011380	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	40	-8.17	-0.011507	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	50	-15.19	-0.021394	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-30	-9.36	-0.013183	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-20	-3.89	-0.005479	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-10	-9.83	-0.013845	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	0	-4.05	-0.005704	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	10	-11.07	-0.015592	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	20	-7.81	-0.011000	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	30	-5.28	-0.007437	±2.5	PASS

Band17	5MHz	16QAM	23790	25RB#0	NV	40	-5.95	-0.008380	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	50	-7.01	-0.009873	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-30	-8.10	-0.011352	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-20	-9.53	-0.013357	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-10	-8.13	-0.011395	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	0	-15.92	-0.022313	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	10	-4.94	-0.006924	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	20	-11.92	-0.016706	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	30	-5.71	-0.008003	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	40	-4.84	-0.006783	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	50	-6.52	-0.009138	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-30	-15.11	-0.021177	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-20	-6.95	-0.009741	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-10	-12.49	-0.017505	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	0	-9.44	-0.013231	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	10	-4.79	-0.006713	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	20	-12.42	-0.017407	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	30	-11.43	-0.016020	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	40	-10.27	-0.014394	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	50	-8.73	-0.012235	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-30	-8.03	-0.011326	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-20	-8.15	-0.011495	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-10	-8.94	-0.012609	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	0	-9.97	-0.014062	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	10	-7.34	-0.010353	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	20	-6.75	-0.009520	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	30	-6.42	-0.009055	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	40	-10.49	-0.014795	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	50	-8.84	-0.012468	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-30	-8.67	-0.012228	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-20	-2.15	-0.003032	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-10	-7.50	-0.010578	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	0	-8.41	-0.011862	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	10	-5.64	-0.007955	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	20	-9.51	-0.013413	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	30	-10.40	-0.014669	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	40	-4.33	-0.006107	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	50	-9.46	-0.013343	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-30	-5.88	-0.008282	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-20	-12.29	-0.017310	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-10	-7.48	-0.010535	±2.5	PASS

Band17	10MHz	QPSK	23790	50RB#0	NV	0	-10.66	-0.015014	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	10	-9.63	-0.013563	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	20	-6.39	-0.009000	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	30	-10.91	-0.015366	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	40	-3.33	-0.004690	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	50	-8.40	-0.011831	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-30	-4.82	-0.006789	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-20	-11.53	-0.016239	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-10	-9.96	-0.014028	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	0	-7.34	-0.010338	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	10	-6.90	-0.009718	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	20	-9.74	-0.013718	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	30	-7.14	-0.010056	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	40	-5.98	-0.008423	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	50	-3.99	-0.005620	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-30	-9.88	-0.013896	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-20	-8.25	-0.011603	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-10	-8.00	-0.011252	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	0	-9.21	-0.012954	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	10	-7.00	-0.009845	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	20	-10.51	-0.014782	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	30	-12.20	-0.017159	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	40	-9.90	-0.013924	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	50	-6.05	-0.008509	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-30	-8.80	-0.012377	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-20	-6.65	-0.009353	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-10	-1.93	-0.002714	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	0	-4.62	-0.006498	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	10	-6.17	-0.008678	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	20	-5.25	-0.007384	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	30	-7.11	-0.010000	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	40	-0.80	-0.001125	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	50	-7.72	-0.010858	±2.5	PASS