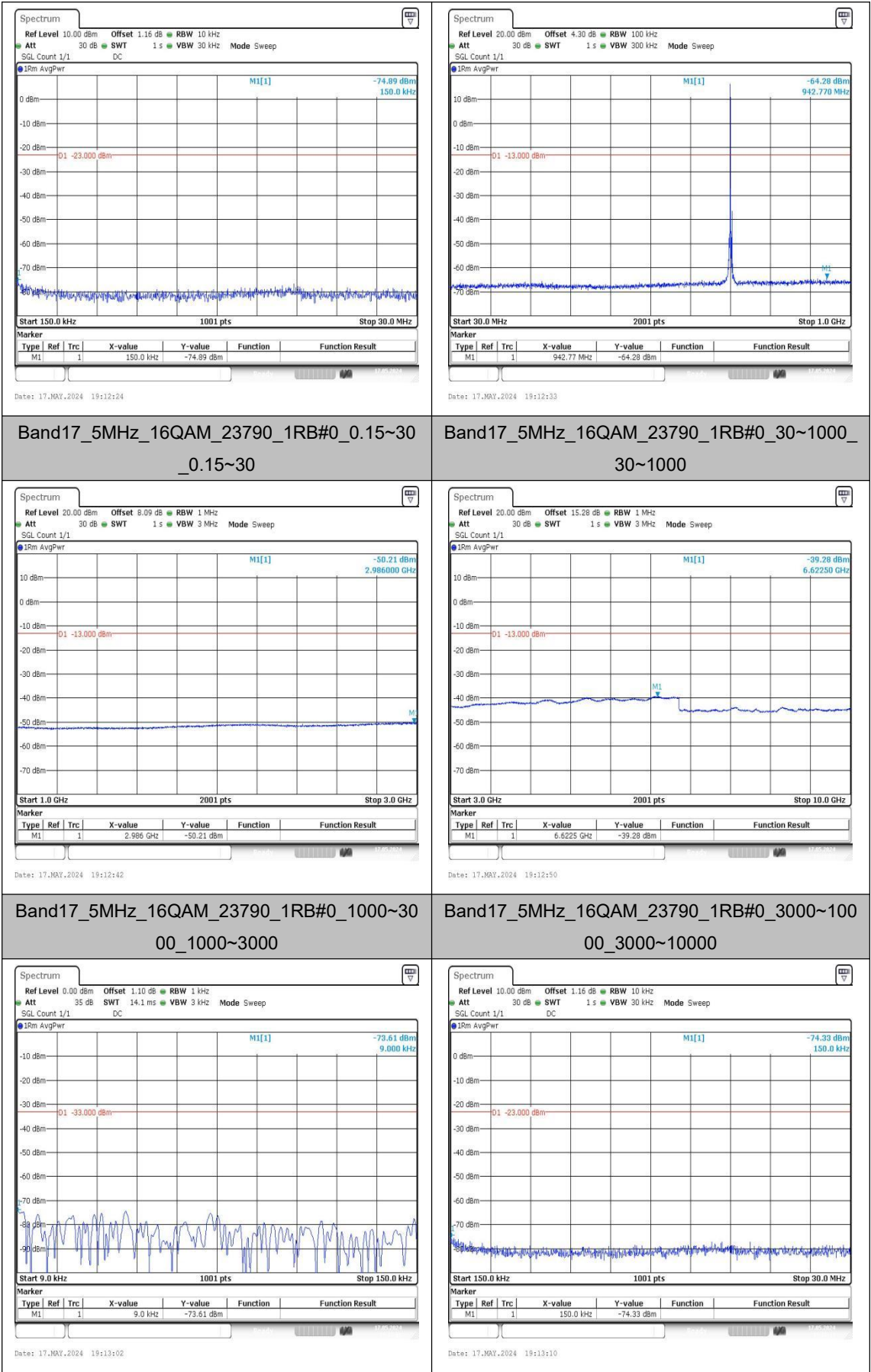
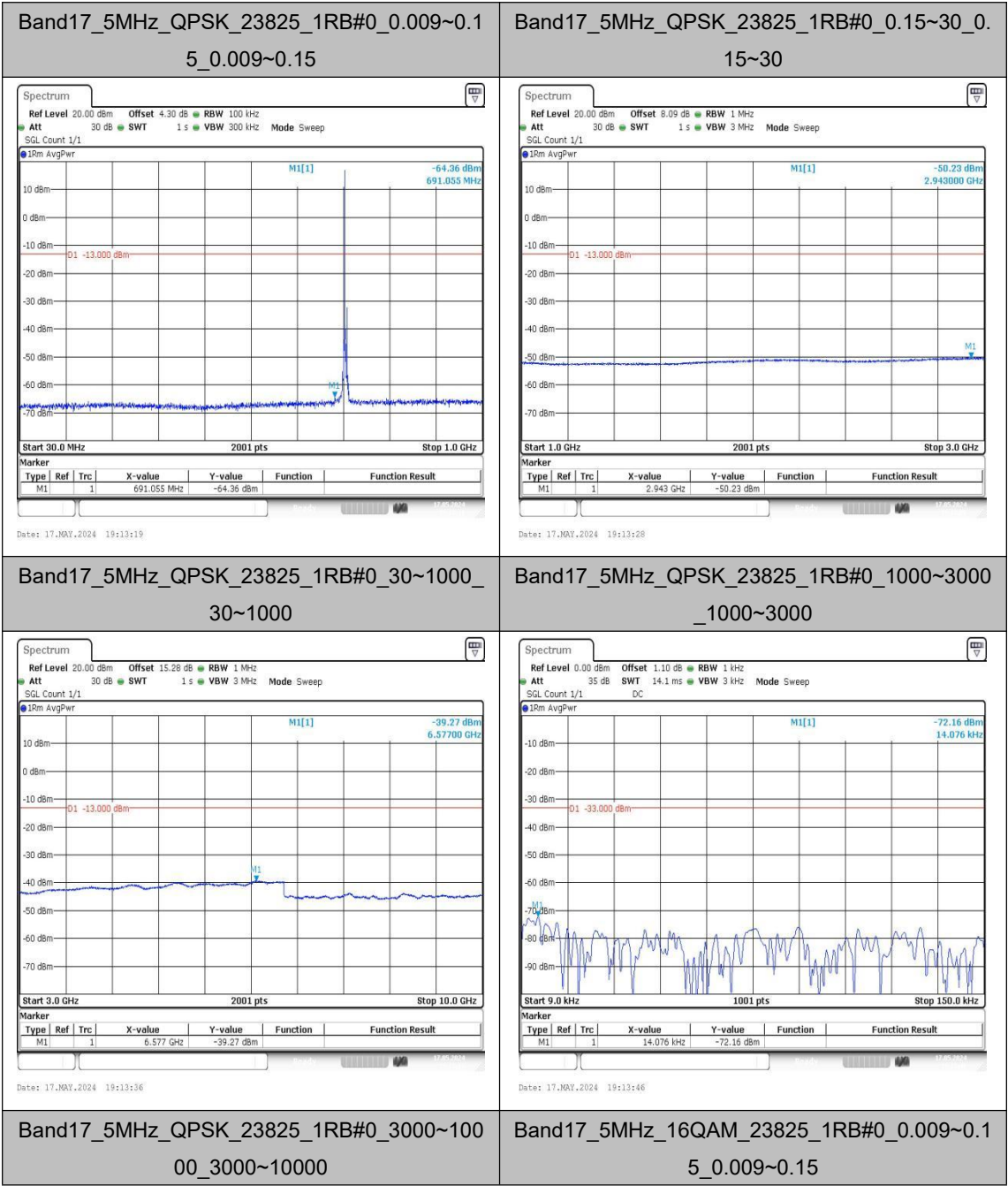
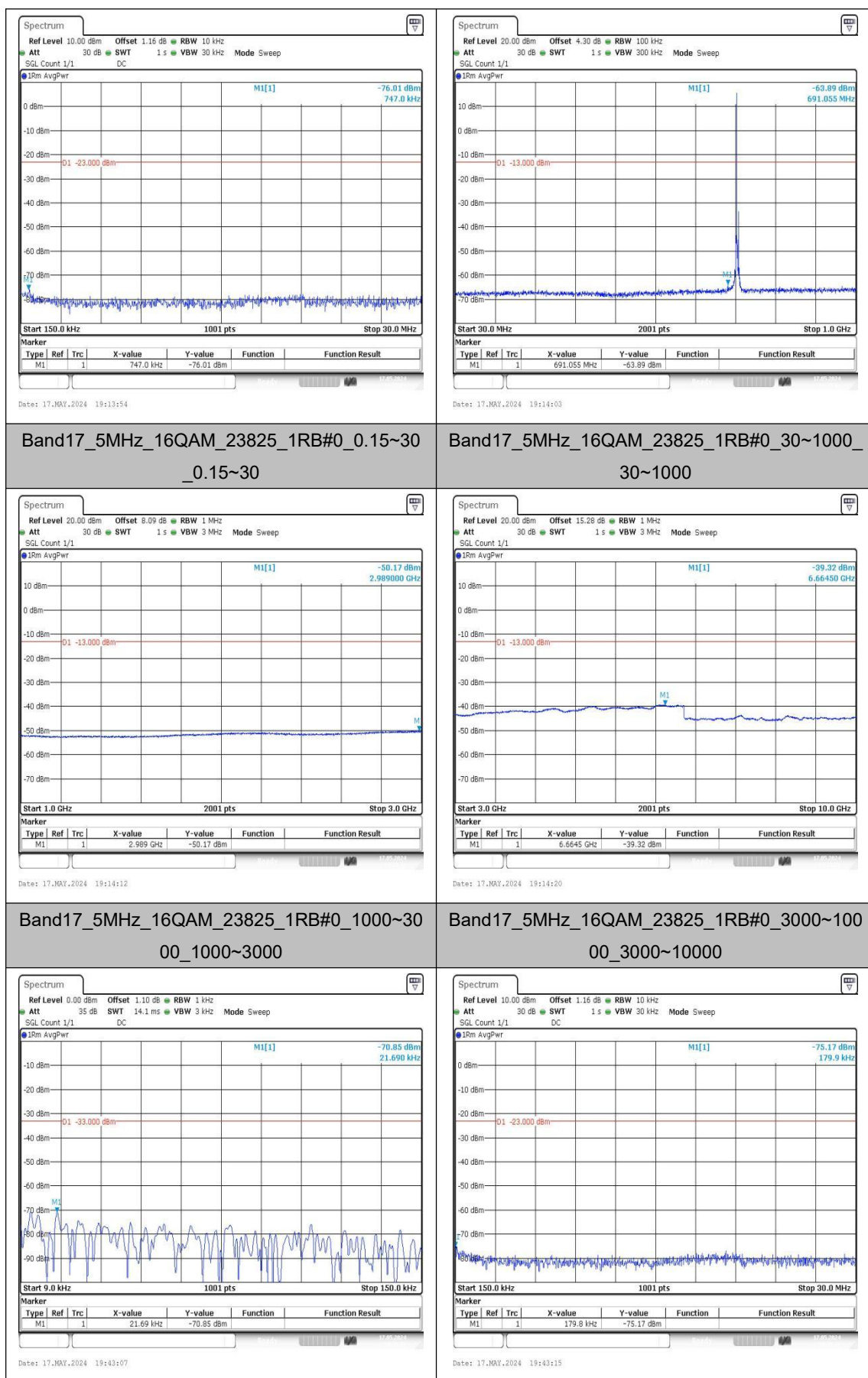
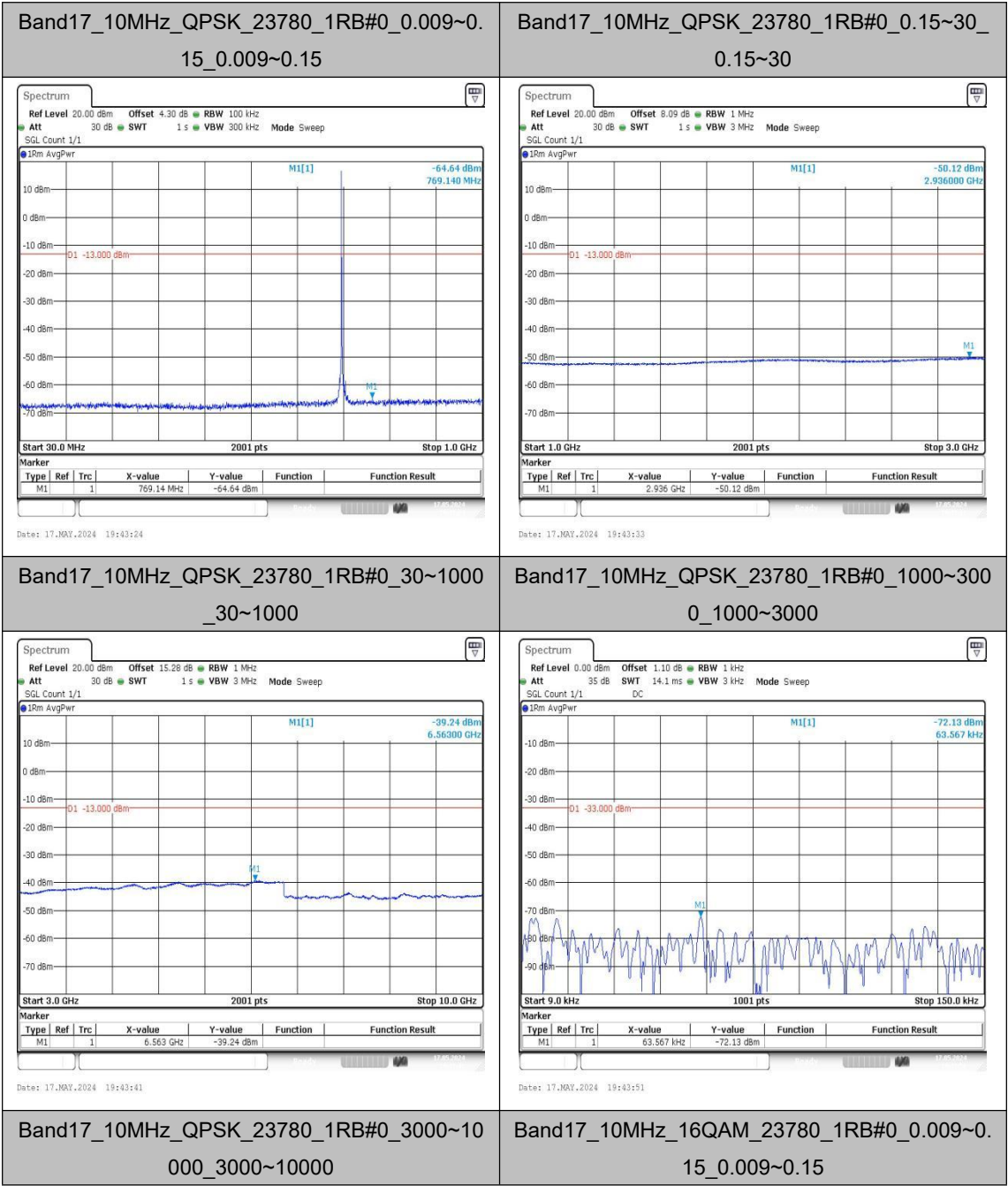
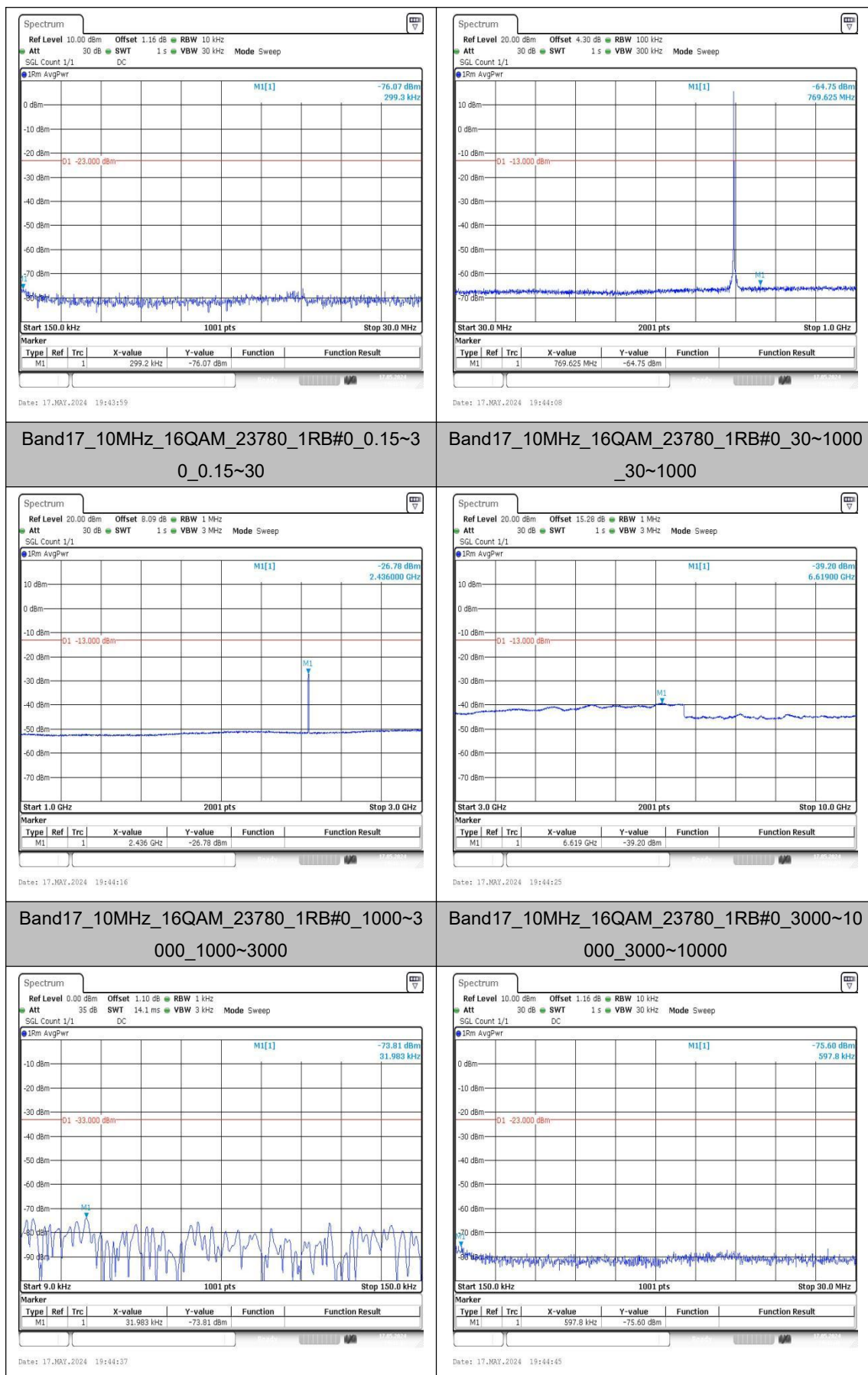


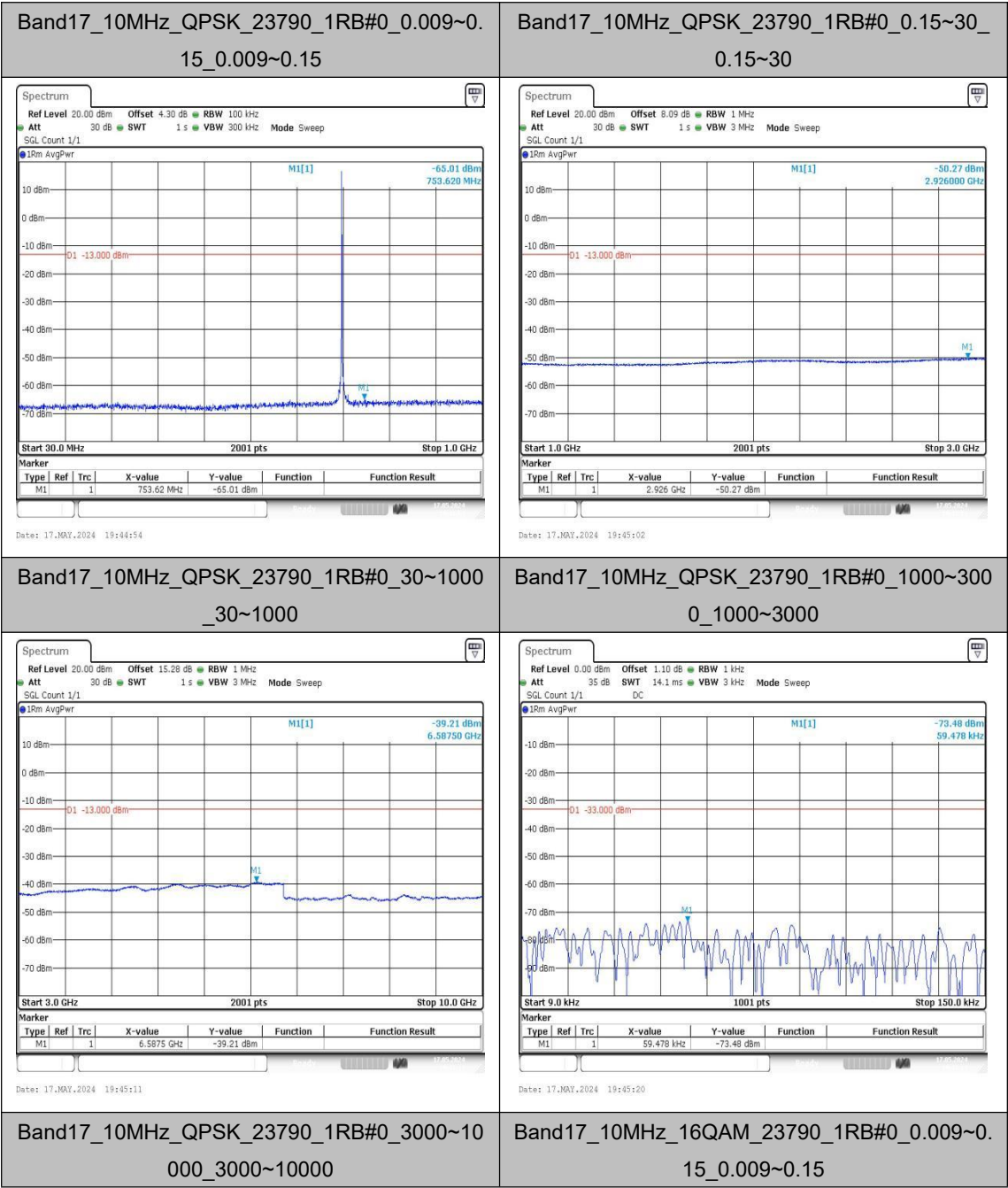


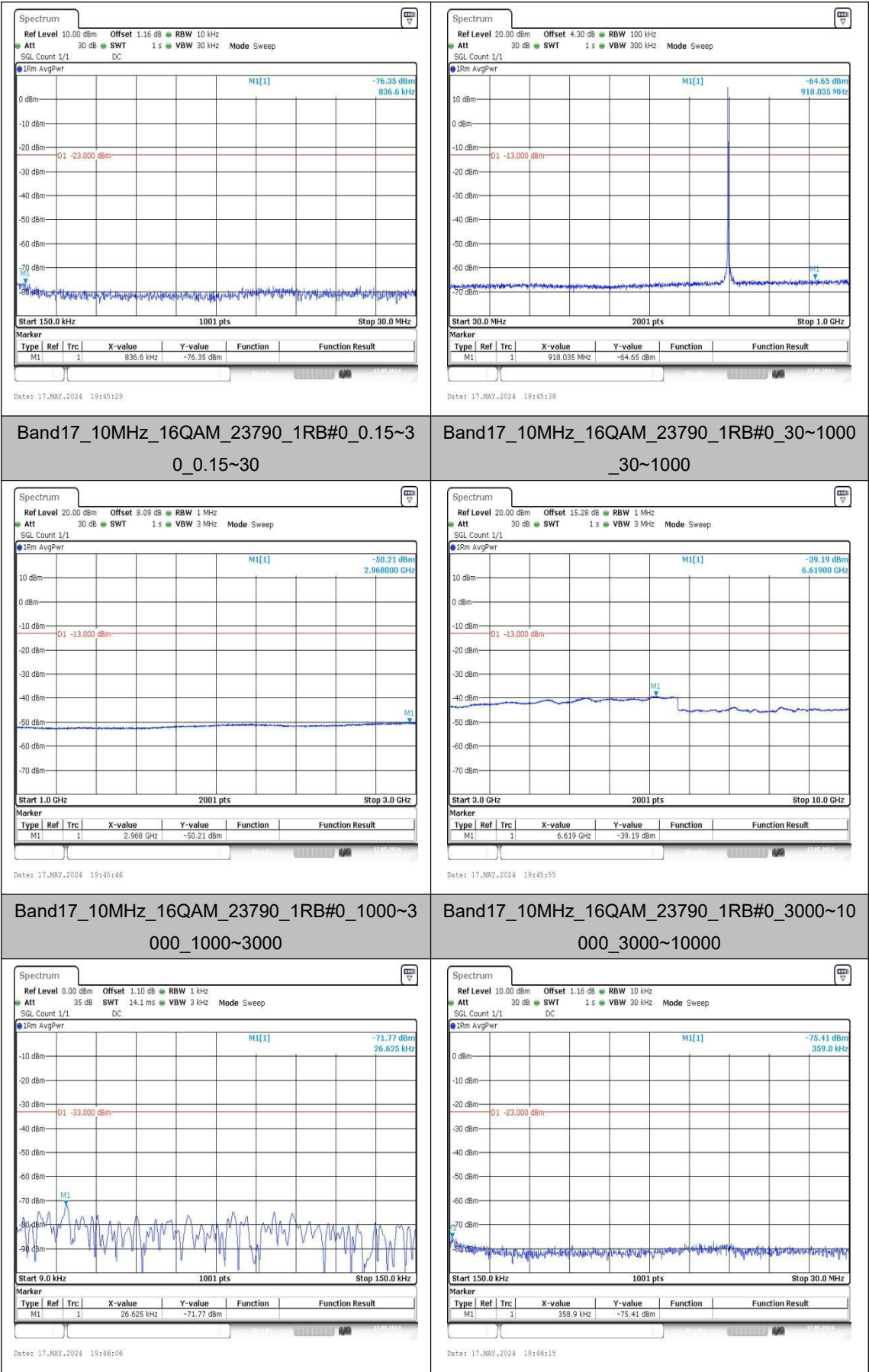


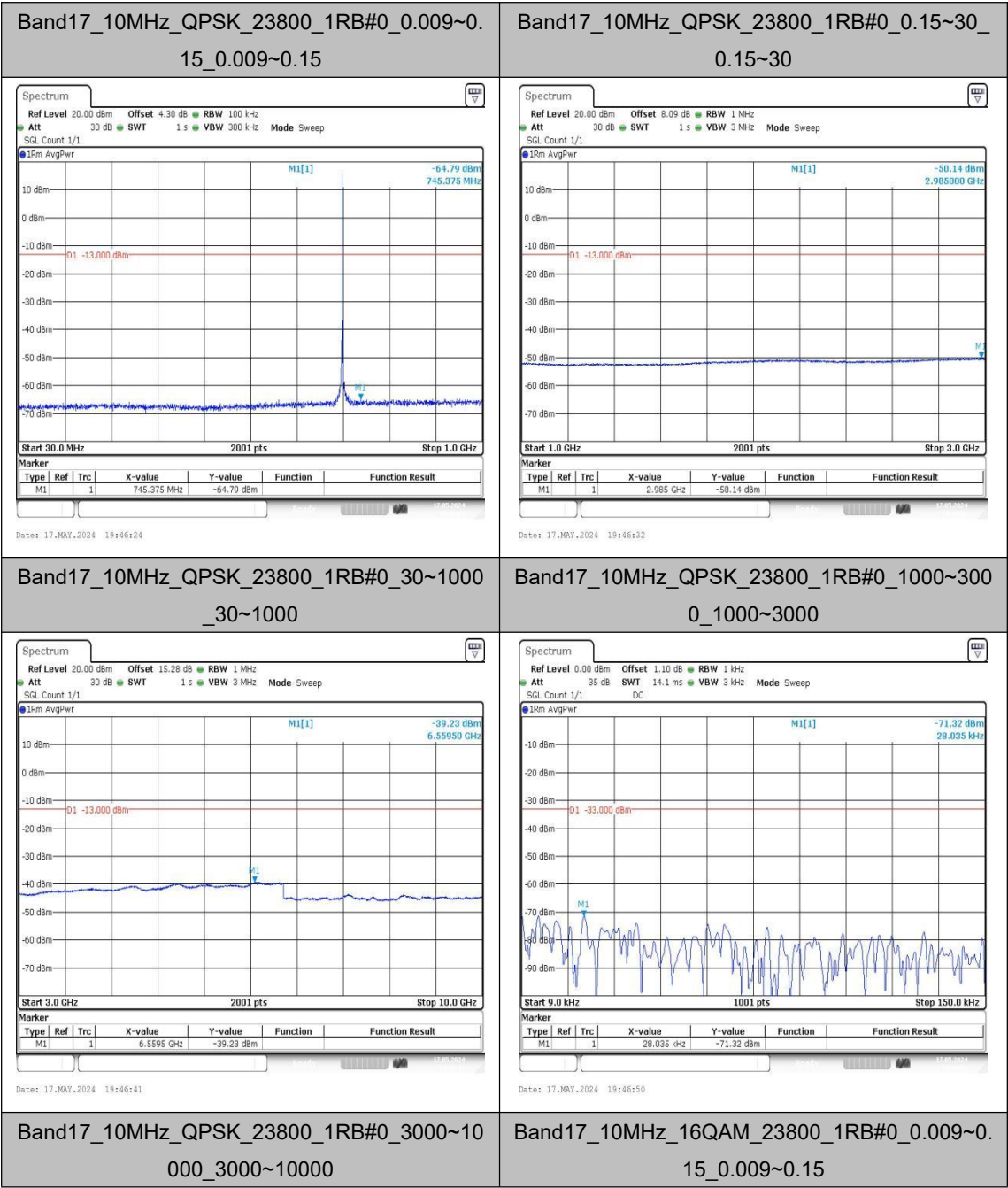


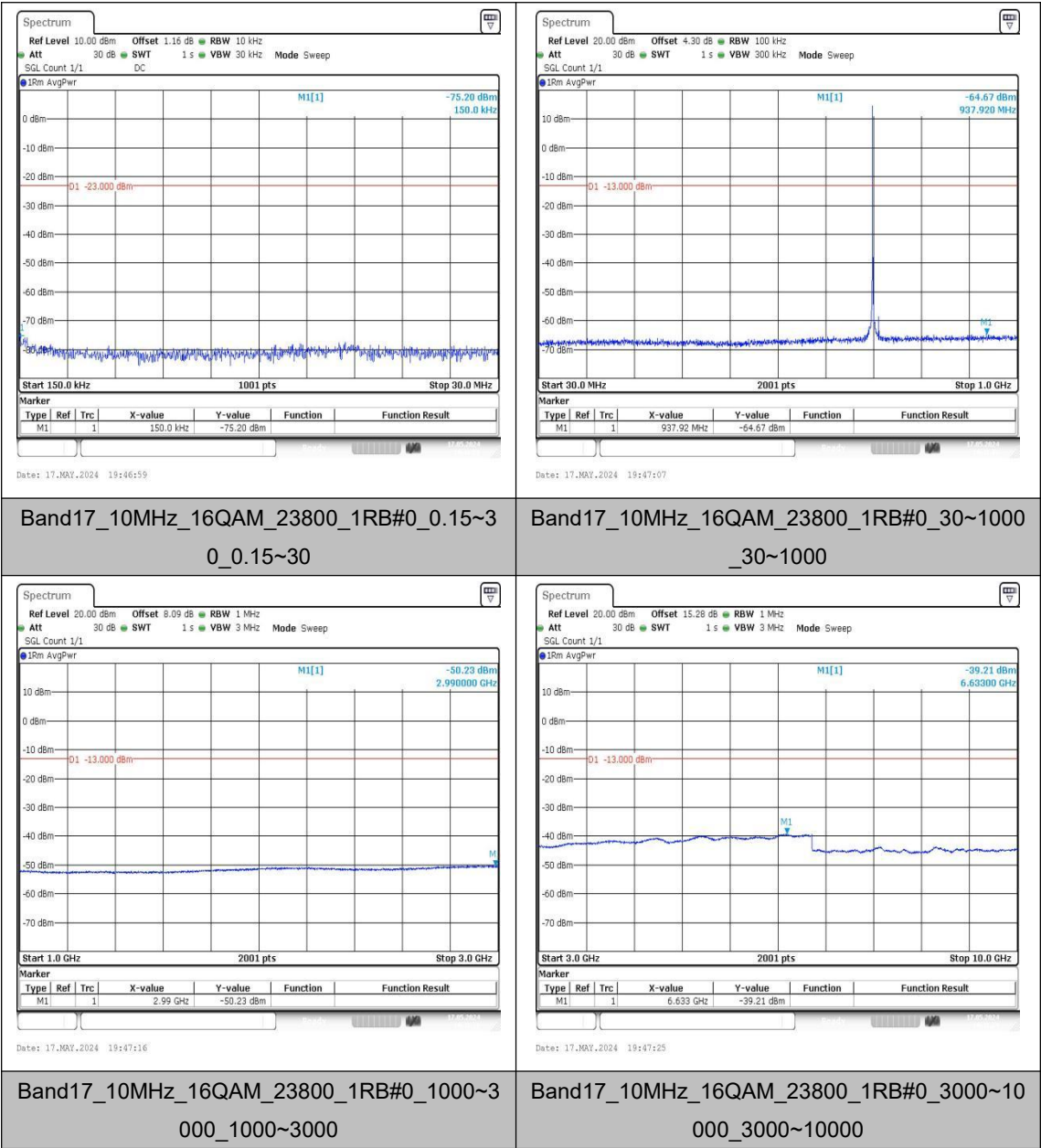












Appendix F: Frequency Stability

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	3.29	0.004657	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	VL	NT	2.73	0.003864	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	VH	NT	2.03	0.002873	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VN	NT	-3.05	-0.004317	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VL	NT	-3.35	-0.004742	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VH	NT	-1.77	-0.002505	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VN	NT	4.35	0.006127	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VL	NT	1.83	0.002577	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VH	NT	-1.54	-0.002169	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VN	NT	-4.23	-0.005958	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VL	NT	-3.72	-0.005239	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VH	NT	-1.72	-0.002423	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VN	NT	1.20	0.001682	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VL	NT	-1.33	-0.001864	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VH	NT	-4.22	-0.005915	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VN	NT	-1.47	-0.002060	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VL	NT	-1.16	-0.001626	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VH	NT	2.12	0.002971	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VN	NT	1.97	0.002779	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VL	NT	-1.86	-0.002623	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VH	NT	-2.02	-0.002849	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VN	NT	-1.52	-0.002144	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VL	NT	-1.50	-0.002116	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VH	NT	-1.87	-0.002638	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VN	NT	-2.16	-0.003042	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VL	NT	-1.99	-0.002803	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VH	NT	-1.33	-0.001873	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VN	NT	-1.50	-0.002113	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VL	NT	-2.75	-0.003873	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VH	NT	-1.75	-0.002465	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VN	NT	-3.45	-0.004852	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VL	NT	-3.85	-0.005415	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VH	NT	-1.32	-0.001857	±2.5	PASS

Band17	10MHz	16QAM	23800	50RB#0	VN	NT	-1.16	-0.001632	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	VL	NT	1.57	0.002208	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	VH	NT	1.67	0.002349	±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	2.93	0.004147	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	-20	-1.86	-0.002633	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	-10	-1.47	-0.002081	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	0	2.00	0.002831	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	10	-1.42	-0.002010	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	20	-2.70	-0.003822	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	30	-1.86	-0.002633	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	40	-2.68	-0.003793	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	50	1.27	0.001798	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-30	1.69	0.002392	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-20	-2.20	-0.003114	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-10	-2.40	-0.003397	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	0	-3.35	-0.004742	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	10	-2.45	-0.003468	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	20	-1.43	-0.002024	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	30	-1.62	-0.002293	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	40	-1.12	-0.001585	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	50	-1.92	-0.002718	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-30	1.73	0.002437	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-20	-2.35	-0.003310	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-10	-2.95	-0.004155	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	0	-3.60	-0.005070	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	10	-2.75	-0.003873	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	20	-3.16	-0.004451	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	30	-2.47	-0.003479	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	40	-2.37	-0.003338	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	50	-3.48	-0.004901	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-30	1.14	0.001606	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-20	-2.76	-0.003887	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-10	-2.13	-0.003000	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	0	-2.72	-0.003831	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	10	-1.72	-0.002423	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	20	-3.12	-0.004394	±2.5	PASS

Band17	5MHz	16QAM	23790	25RB#0	NV	30	-2.80	-0.003944	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	40	-1.72	-0.002423	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	50	-2.66	-0.003746	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-30	-2.29	-0.003210	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-20	-3.72	-0.005214	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-10	-4.31	-0.006041	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	0	-2.46	-0.003448	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	10	-3.95	-0.005536	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	20	-3.48	-0.004877	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	30	-3.02	-0.004233	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	40	-3.32	-0.004653	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	50	-2.92	-0.004093	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-30	2.29	0.003210	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-20	-2.66	-0.003728	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-10	-2.16	-0.003027	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	0	1.53	0.002144	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	10	-2.23	-0.003125	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	20	0.80	0.001121	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	30	-1.72	-0.002411	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	40	1.27	0.001780	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	50	1.50	0.002102	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-30	1.36	0.001918	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-20	-1.83	-0.002581	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-10	-2.42	-0.003413	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	0	-1.46	-0.002059	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	10	-1.04	-0.001467	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	20	-2.73	-0.003850	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	30	-2.89	-0.004076	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	40	-1.67	-0.002355	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	50	-2.42	-0.003413	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-30	-1.87	-0.002638	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-20	-1.50	-0.002116	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-10	0.77	0.001086	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	0	-2.19	-0.003089	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	10	-3.81	-0.005374	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	20	-3.13	-0.004415	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	30	-2.10	-0.002962	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	40	-2.07	-0.002920	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	50	-1.87	-0.002638	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-30	-3.08	-0.004338	±2.5	PASS

Band17	10MHz	QPSK	23790	50RB#0	NV	-20	-1.33	-0.001873	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-10	-3.33	-0.004690	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	0	1.53	0.002155	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	10	1.83	0.002577	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	20	-2.35	-0.003310	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	30	-1.93	-0.002718	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	40	1.69	0.002380	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	50	1.43	0.002014	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-30	2.57	0.003620	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-20	-2.16	-0.003042	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-10	1.49	0.002099	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	0	-1.85	-0.002606	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	10	-1.29	-0.001817	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	20	-1.82	-0.002563	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	30	2.23	0.003141	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	40	-2.55	-0.003592	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	50	-2.39	-0.003366	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-30	-2.50	-0.003516	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-20	-2.72	-0.003826	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-10	-3.46	-0.004866	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	0	-2.15	-0.003024	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	10	-1.49	-0.002096	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	20	-1.79	-0.002518	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	30	-2.13	-0.002996	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	40	2.06	0.002897	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	50	-1.07	-0.001505	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-30	1.46	0.002053	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-20	-0.86	-0.001210	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-10	-3.09	-0.004346	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	0	2.40	0.003376	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	10	2.20	0.003094	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	20	1.49	0.002096	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	30	-2.69	-0.003783	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	40	1.63	0.002293	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	50	-3.10	-0.004360	±2.5	PASS

Appendix G: Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Verdict
Band17	5MHz	QPSK	23755	25RB#0	PASS
Band17	5MHz	16QAM	23755	25RB#0	PASS
Band17	5MHz	QPSK	23790	25RB#0	PASS
Band17	5MHz	16QAM	23790	25RB#0	PASS
Band17	5MHz	QPSK	23825	25RB#0	PASS
Band17	5MHz	16QAM	23825	25RB#0	PASS
Band17	10MHz	QPSK	23780	50RB#0	PASS
Band17	10MHz	16QAM	23780	50RB#0	PASS
Band17	10MHz	QPSK	23790	50RB#0	PASS
Band17	10MHz	16QAM	23790	50RB#0	PASS
Band17	10MHz	QPSK	23800	50RB#0	PASS
Band17	10MHz	16QAM	23800	50RB#0	PASS

Test Graphs

