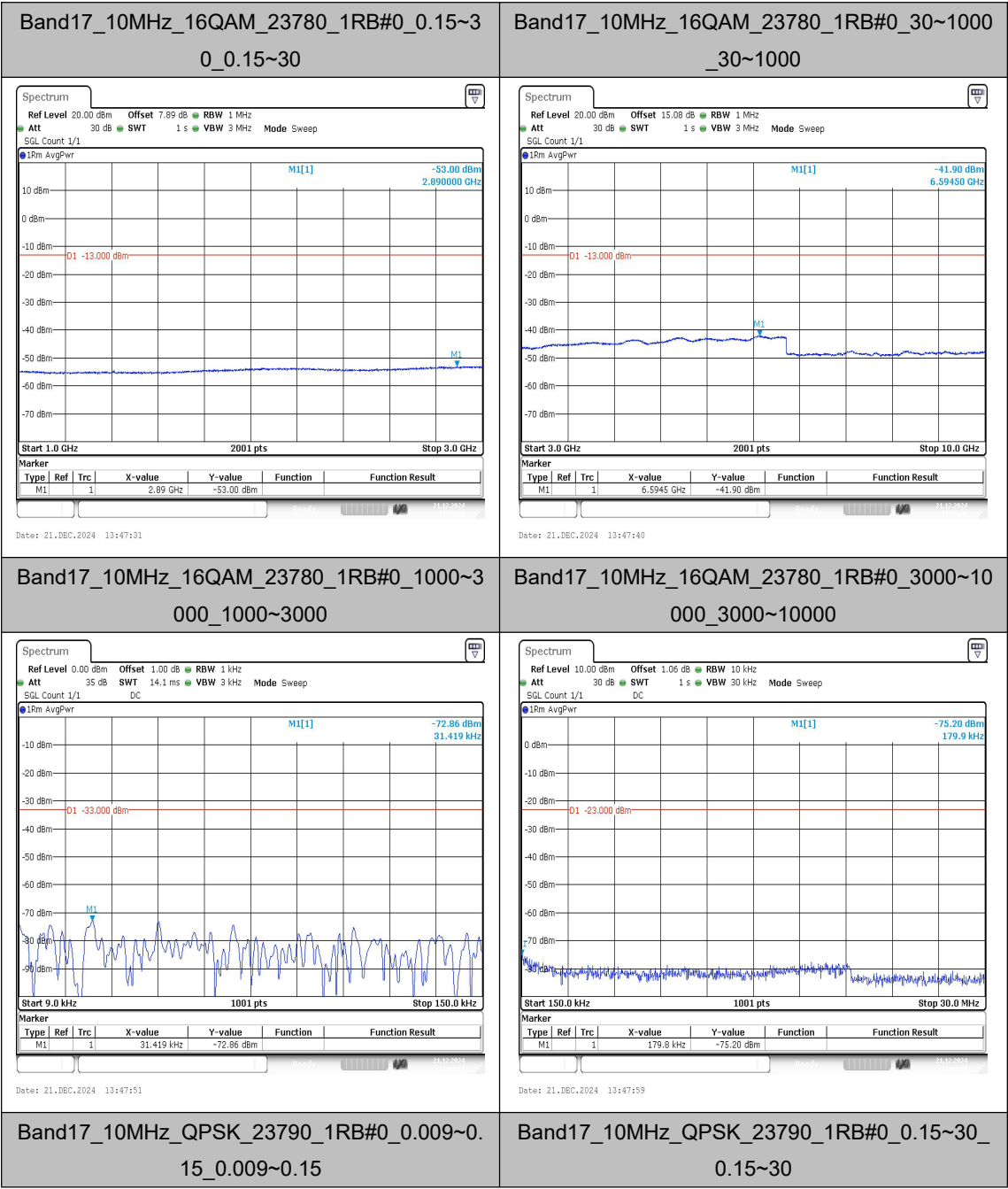
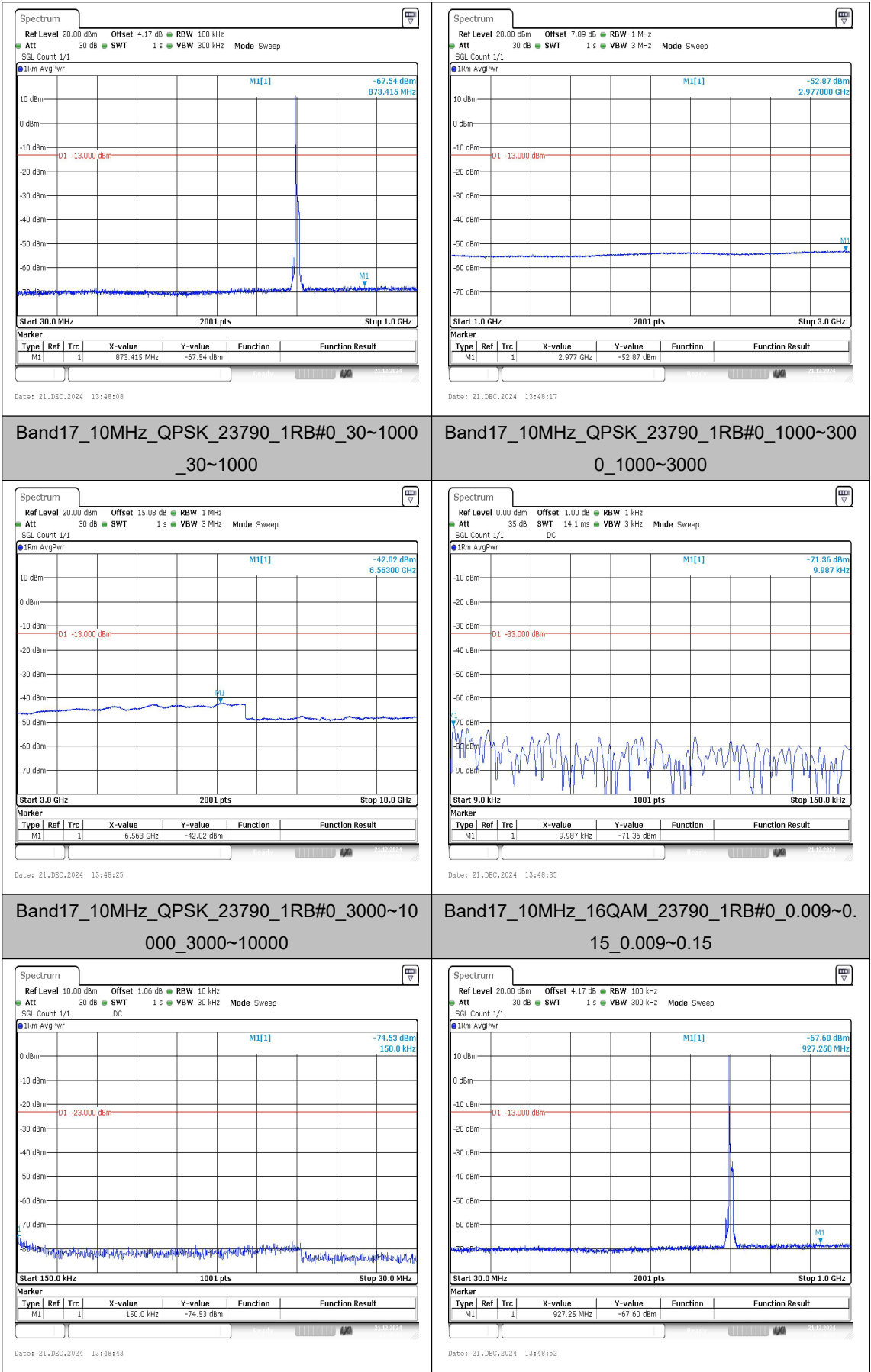
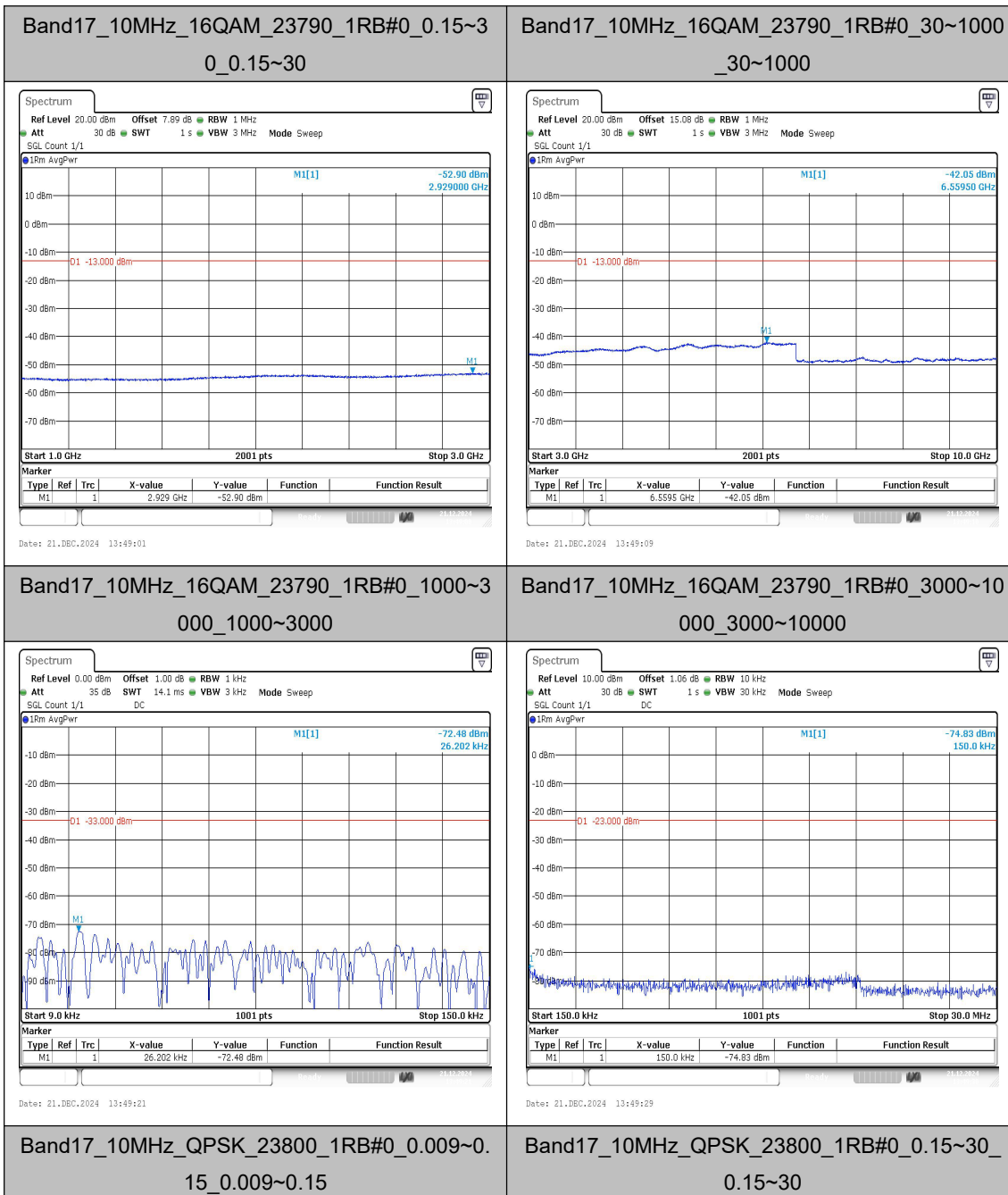
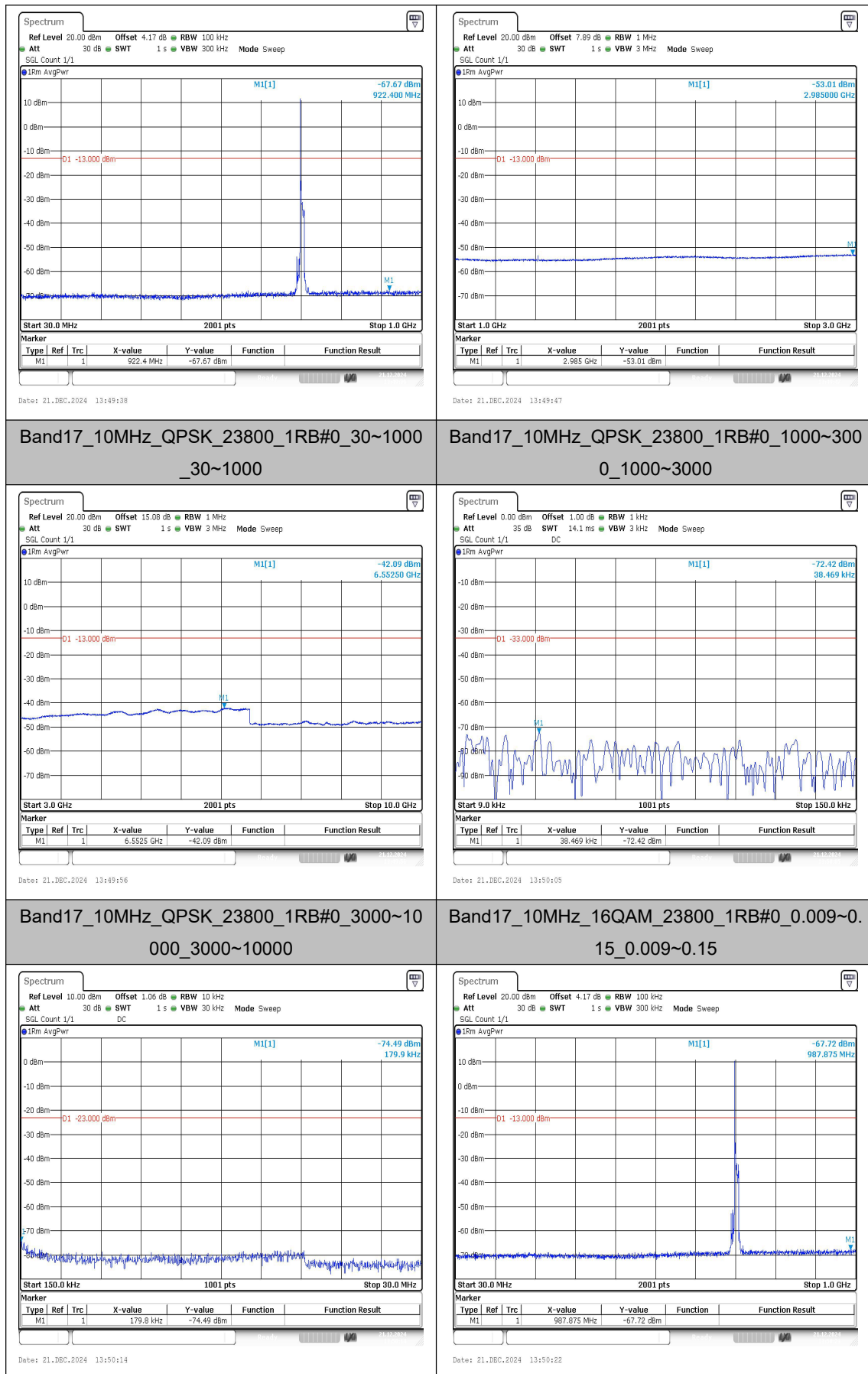
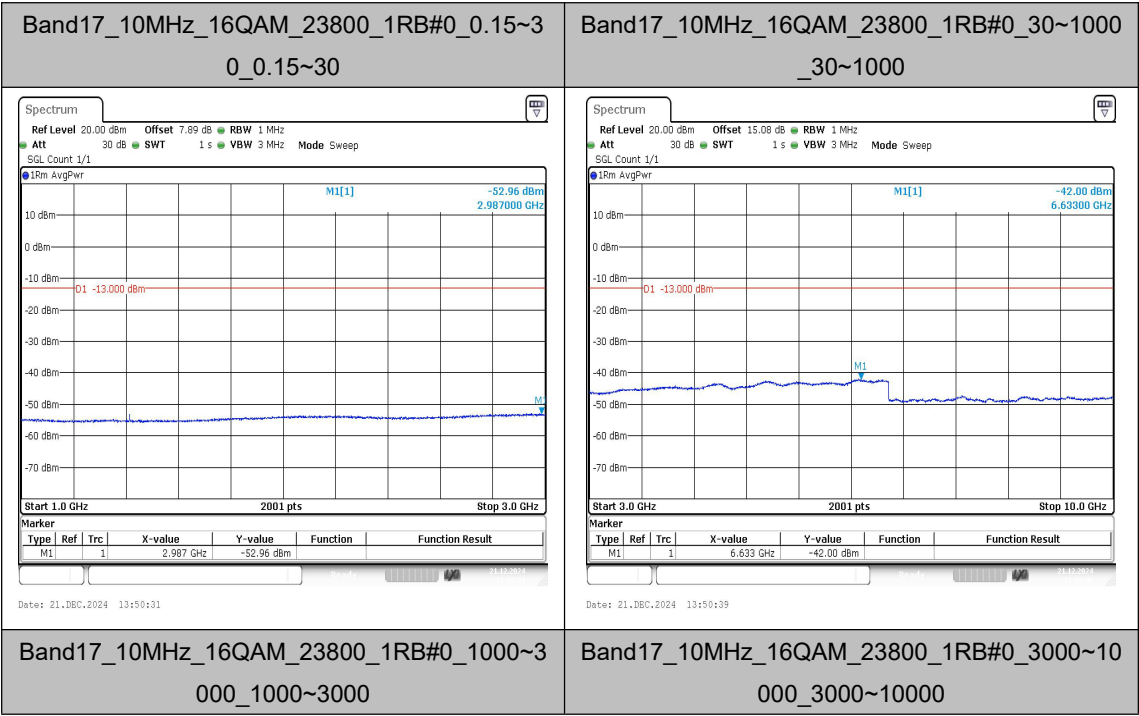












Appendix F: Frequency Stability

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	20.03	0.028351	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	VL	NT	7.41	0.010488	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	VH	NT	-27.69	-0.039193	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VN	NT	-53.54	-0.075782	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VL	NT	-36.41	-0.051536	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	VH	NT	-14.73	-0.020849	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VN	NT	-10.96	-0.015437	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VL	NT	-38.34	-0.054000	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VH	NT	4.12	0.005803	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VN	NT	-19.10	-0.026901	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VL	NT	8.54	0.012028	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	VH	NT	24.29	0.034211	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VN	NT	7.65	0.010722	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VL	NT	-10.73	-0.015039	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	VH	NT	-30.03	-0.042088	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VN	NT	-26.21	-0.036734	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VL	NT	-15.65	-0.021934	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	VH	NT	8.31	0.011647	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VN	NT	12.66	0.017856	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VL	NT	10.70	0.015092	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VH	NT	-16.69	-0.023540	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VN	NT	-30.40	-0.042877	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VL	NT	-34.22	-0.048265	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VH	NT	-21.66	-0.030550	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VN	NT	-5.15	-0.007254	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VL	NT	-23.45	-0.033028	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VH	NT	-47.39	-0.066746	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VN	NT	-20.90	-0.029437	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VL	NT	-8.94	-0.012592	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VH	NT	13.09	0.018437	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VN	NT	-3.25	-0.004571	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VL	NT	-14.46	-0.020338	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VH	NT	-32.46	-0.045654	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	VN	NT	-45.72	-0.064304	±2.5	PASS

Band17	10MHz	16QAM	23800	50RB#0	VL	NT	-32.60	-0.045851	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	VH	NT	-10.79	-0.015176	±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	-41.46	-0.058684	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	-20	-49.17	-0.069597	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	-10	-11.92	-0.016872	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	0	-19.48	-0.027573	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	10	-24.62	-0.034848	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	20	-29.28	-0.041444	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	30	-31.61	-0.044742	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	40	-28.51	-0.040354	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	50	-35.26	-0.049908	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-30	7.02	0.009936	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-20	17.22	0.024374	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-10	17.41	0.024643	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	0	27.45	0.038854	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	10	33.46	0.047360	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	20	38.62	0.054664	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	30	43.72	0.061883	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	40	46.29	0.065520	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	50	10.19	0.014423	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-30	-11.12	-0.015662	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-20	-28.41	-0.040014	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-10	-25.22	-0.035521	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	0	-21.43	-0.030183	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	10	-22.17	-0.031225	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	20	-14.61	-0.020577	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	30	-16.98	-0.023915	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	40	-27.64	-0.038930	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	50	-22.13	-0.031169	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-30	32.32	0.045521	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-20	45.50	0.064085	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-10	5.56	0.007831	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	0	-7.22	-0.010169	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	10	-21.26	-0.029944	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	20	-12.59	-0.017732	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	30	10.11	0.014239	±2.5	PASS

Band17	5MHz	16QAM	23790	25RB#0	NV	40	20.69	0.029141	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	50	20.83	0.029338	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-30	-11.42	-0.016006	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-20	-21.72	-0.030441	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-10	-31.26	-0.043812	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	0	-41.80	-0.058584	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	10	-44.67	-0.062607	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	20	-50.95	-0.071409	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	30	-12.09	-0.016945	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	40	-14.95	-0.020953	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	50	-26.59	-0.037267	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-30	26.38	0.036973	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-20	30.63	0.042929	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-10	10.39	0.014562	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	0	-14.62	-0.020491	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	10	5.74	0.008045	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	20	16.87	0.023644	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	30	22.30	0.031254	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	40	26.65	0.037351	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	50	37.15	0.052067	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-30	-36.03	-0.050818	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-20	-45.56	-0.064260	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-10	-10.07	-0.014203	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	0	-25.91	-0.036544	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	10	-35.89	-0.050621	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	20	-45.30	-0.063893	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	30	7.68	0.010832	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	40	-13.32	-0.018787	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	50	-19.80	-0.027927	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-30	-15.23	-0.021481	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-20	-13.39	-0.018886	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-10	-16.19	-0.022835	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	0	-8.85	-0.012482	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	10	-8.14	-0.011481	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	20	-8.97	-0.012652	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	30	-19.41	-0.027377	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	40	-22.62	-0.031904	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	50	-25.39	-0.035811	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-30	-12.42	-0.017493	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-20	-44.82	-0.063127	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-10	-10.04	-0.014141	±2.5	PASS

Band17	10MHz	QPSK	23790	50RB#0	NV	0	-14.85	-0.020915	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	10	-24.50	-0.034507	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	20	-36.19	-0.050972	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	30	-42.86	-0.060366	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	40	-54.13	-0.076239	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	50	-50.01	-0.070437	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-30	19.08	0.026873	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-20	14.99	0.021113	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-10	18.50	0.026056	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	0	23.37	0.032915	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	10	14.92	0.021014	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	20	-33.80	-0.047606	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	30	-43.19	-0.060831	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	40	-27.37	-0.038549	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	50	-26.16	-0.036845	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-30	-48.85	-0.068706	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-20	-13.65	-0.019198	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-10	-26.38	-0.037103	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	0	-33.02	-0.046442	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	10	-48.94	-0.068833	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	20	-53.63	-0.075429	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	30	-14.22	-0.020000	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	40	-19.41	-0.027300	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	50	-39.74	-0.055893	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-30	7.44	0.010464	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-20	9.61	0.013516	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-10	11.00	0.015471	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	0	14.85	0.020886	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	10	14.71	0.020689	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	20	10.80	0.015190	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	30	12.27	0.017257	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	40	13.59	0.019114	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	50	10.39	0.014613	±2.5	PASS