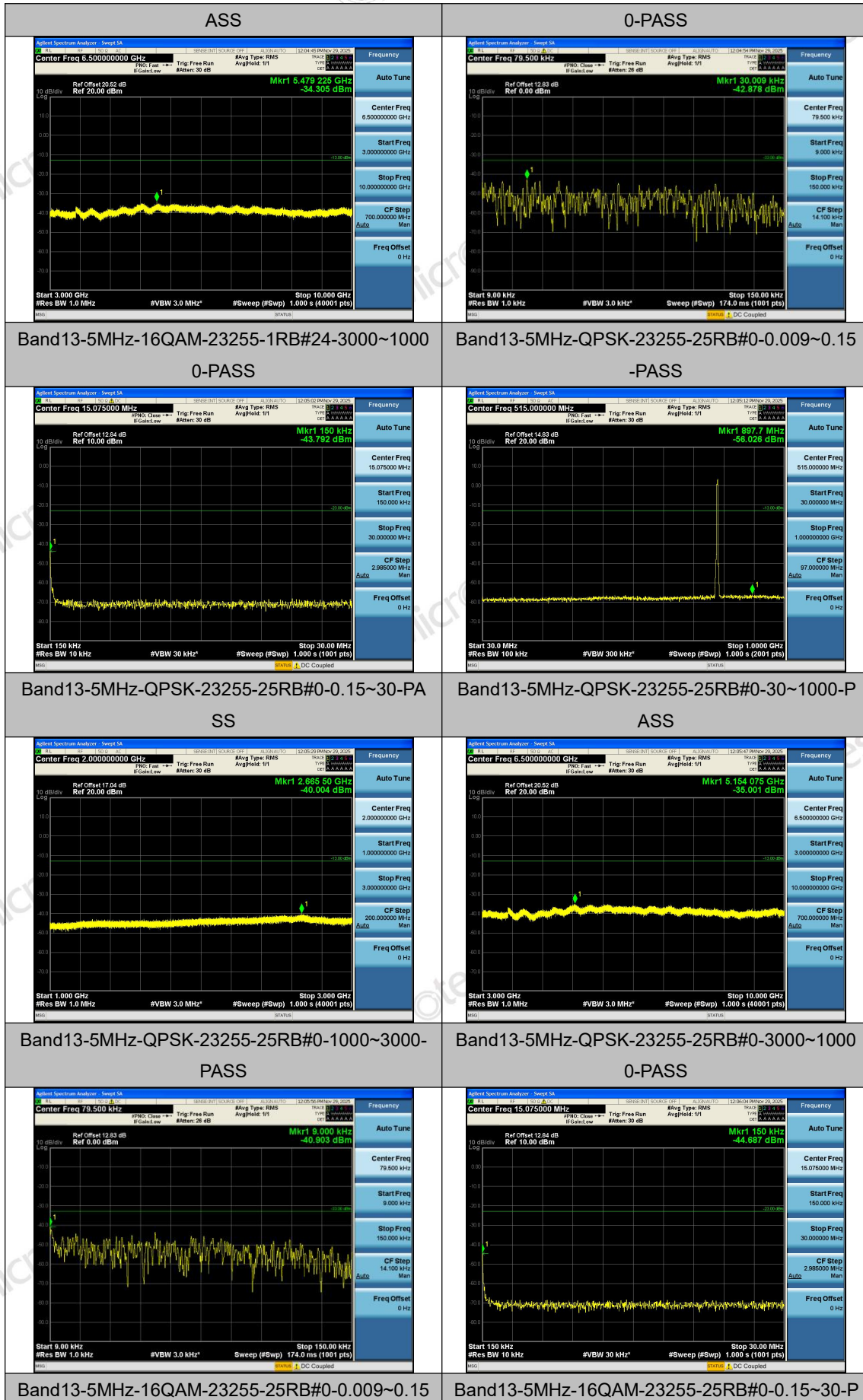
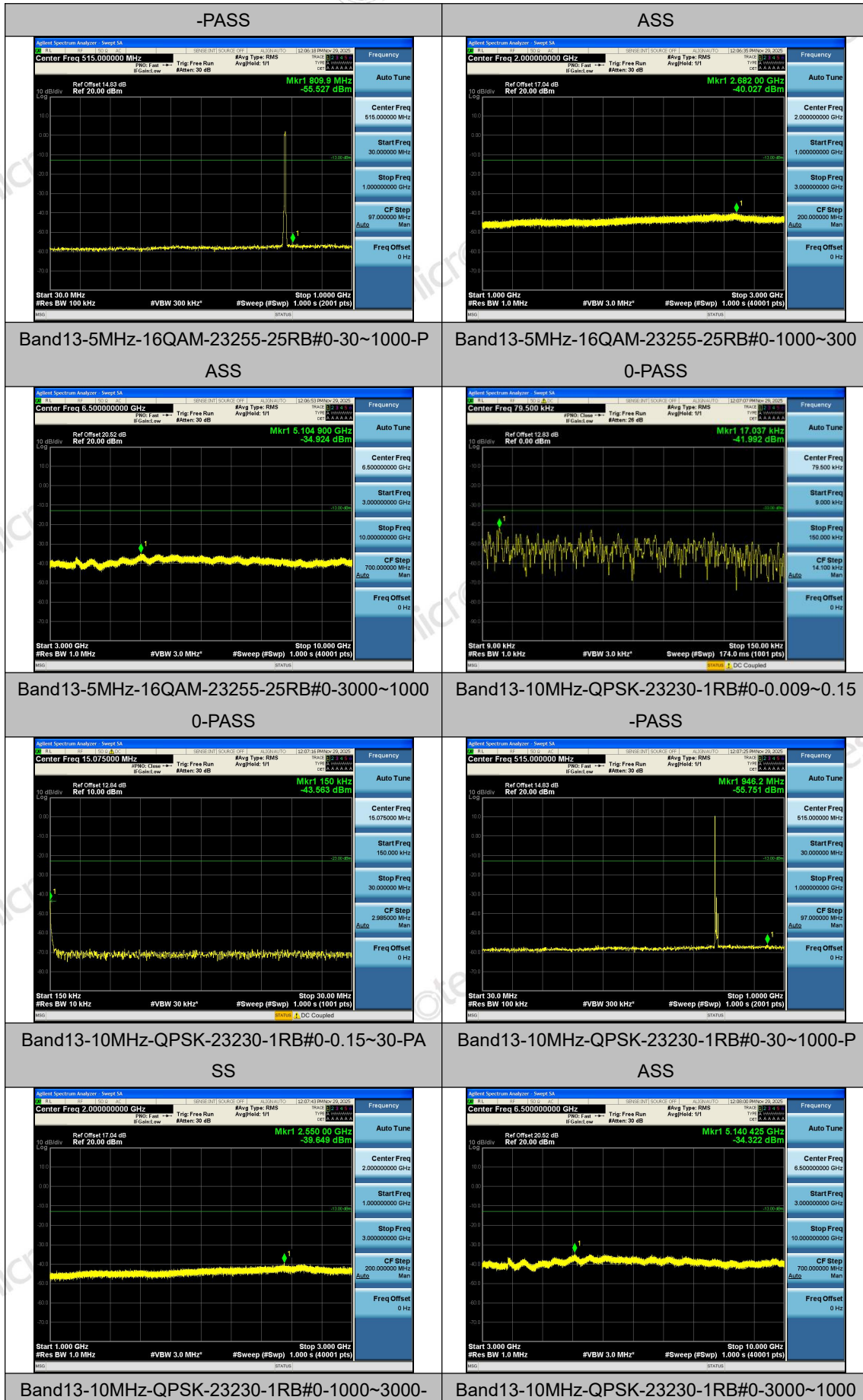
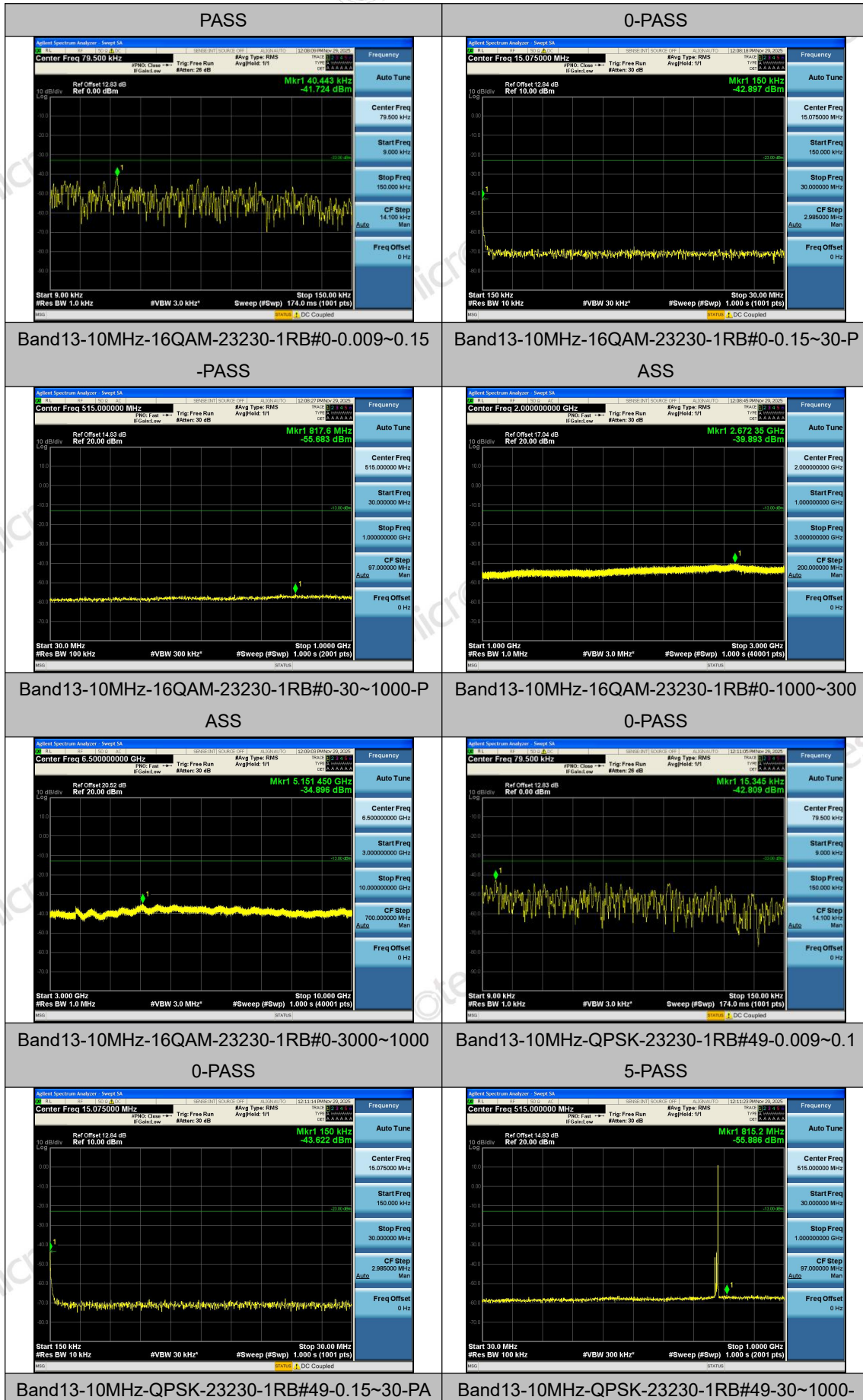
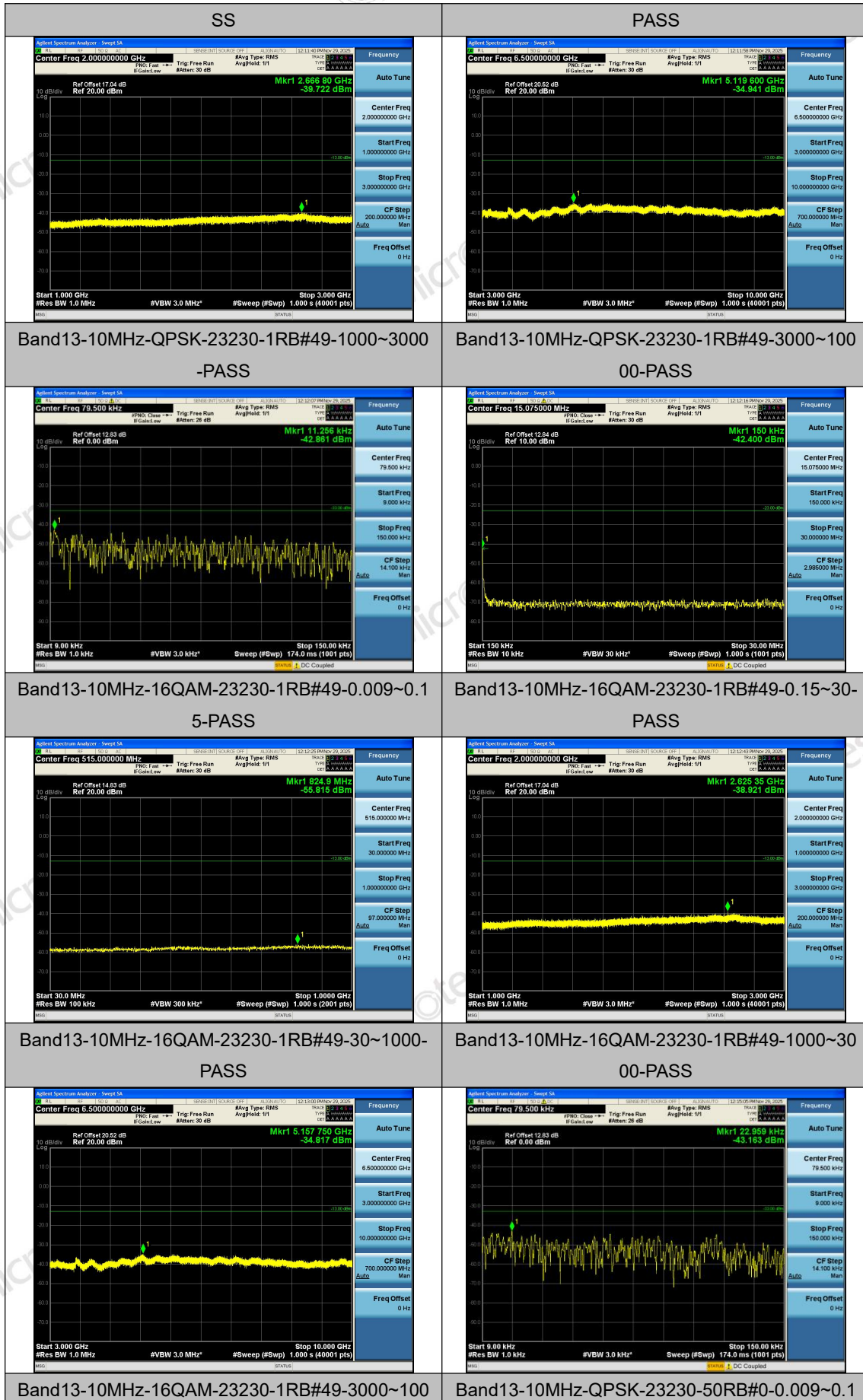
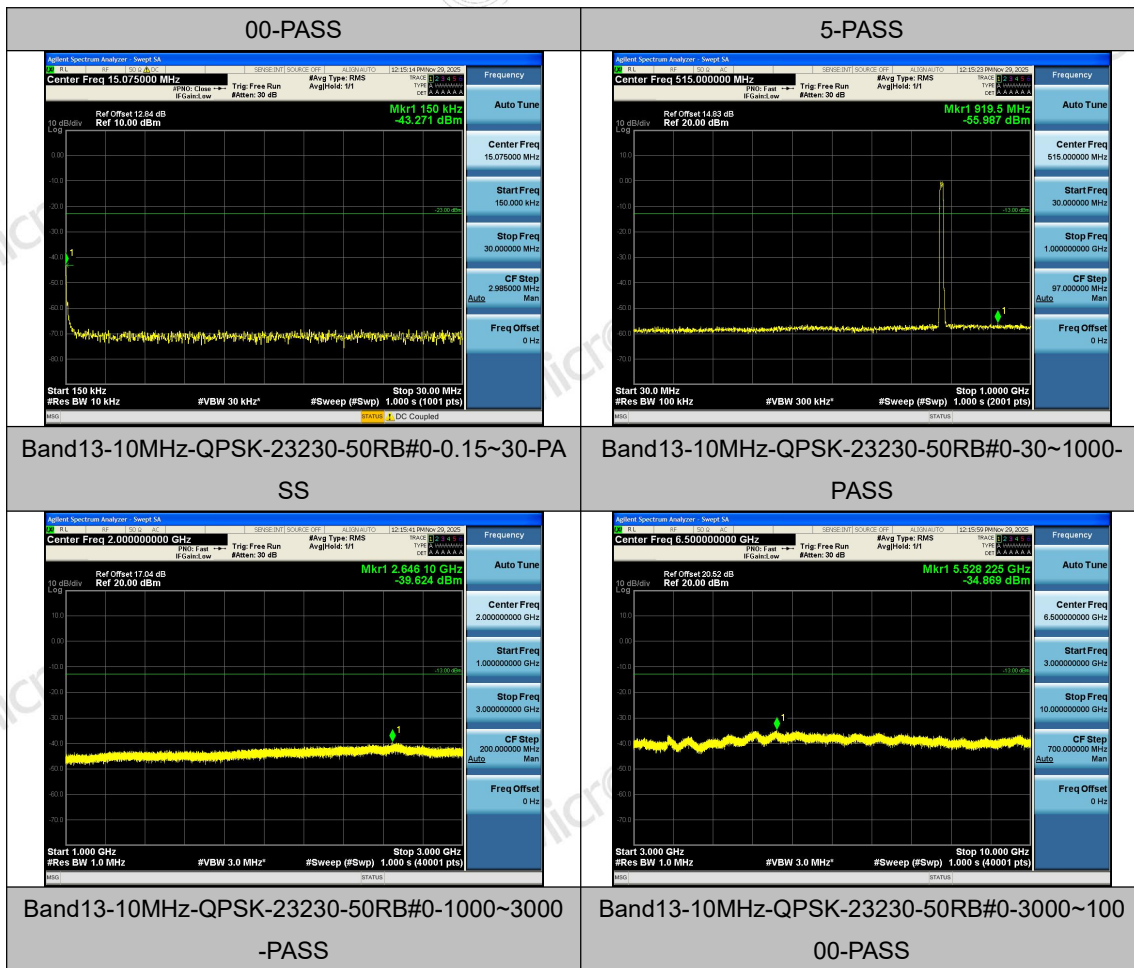












Appendix F: Frequency Stability

Test Result

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	NV	-30	-4.41	-0.005657	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-20	-3.48	-0.004464	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-10	-4.89	-0.006273	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	0	-3.22	-0.004131	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	10	-3.43	-0.004400	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	20	-2.82	-0.003618	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	30	-4.16	-0.005337	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	40	6.45	0.008275	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	50	-1.59	-0.002040	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-30	-5.16	-0.006620	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-20	-3.13	-0.004015	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-10	-2.98	-0.003823	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	0	6.08	0.007800	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	10	-3.12	-0.004003	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	20	-3.32	-0.004259	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	30	-3.25	-0.004169	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	40	-4.33	-0.005555	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	50	-4.32	-0.00554	±2.5	PASS

3		M	5					2		S
Band1 3	5MHz	QPSK	2323 0	25RB#0	NV	-30	-3.29	-0.00420 7	±2.5	PAS S
Band1 3	5MHz	QPSK	2323 0	25RB#0	NV	-20	-9.93	-0.01269 8	±2.5	PAS S
Band1 3	5MHz	QPSK	2323 0	25RB#0	NV	-10	3.09	0.00395 1	±2.5	PAS S
Band1 3	5MHz	QPSK	2323 0	25RB#0	NV	0	-2.60	-0.00332 5	±2.5	PAS S
Band1 3	5MHz	QPSK	2323 0	25RB#0	NV	10	1.90	0.00243 0	±2.5	PAS S
Band1 3	5MHz	QPSK	2323 0	25RB#0	NV	20	2.85	0.00364 5	±2.5	PAS S
Band1 3	5MHz	QPSK	2323 0	25RB#0	NV	30	-6.41	-0.00819 7	±2.5	PAS S
Band1 3	5MHz	QPSK	2323 0	25RB#0	NV	40	2.59	0.00331 2	±2.5	PAS S
Band1 3	5MHz	QPSK	2323 0	25RB#0	NV	50	-4.53	-0.00579 3	±2.5	PAS S
Band1 3	5MHz	16QA M	2323 0	25RB#0	NV	-30	-2.40	-0.00306 9	±2.5	PAS S
Band1 3	5MHz	16QA M	2323 0	25RB#0	NV	-20	-1.50	-0.00191 8	±2.5	PAS S
Band1 3	5MHz	16QA M	2323 0	25RB#0	NV	-10	4.09	0.00523 0	±2.5	PAS S
Band1 3	5MHz	16QA M	2323 0	25RB#0	NV	0	-2.43	-0.00310 7	±2.5	PAS S
Band1 3	5MHz	16QA M	2323 0	25RB#0	NV	10	-2.36	-0.00301 8	±2.5	PAS S
Band1 3	5MHz	16QA M	2323 0	25RB#0	NV	20	-3.73	-0.00477 0	±2.5	PAS S
Band1 3	5MHz	16QA M	2323 0	25RB#0	NV	30	1.77	0.00226 3	±2.5	PAS S
Band1 3	5MHz	16QA M	2323 0	25RB#0	NV	40	-2.39	-0.00305 6	±2.5	PAS S
Band1 3	5MHz	16QA M	2323 0	25RB#0	NV	50	-3.53	-0.00451 4	±2.5	PAS S
Band1 3	5MHz	QPSK	2325 5	25RB#0	NV	-30	-2.47	-0.00314 9	±2.5	PAS S
Band1 3	5MHz	QPSK	2325 5	25RB#0	NV	-20	-2.16	-0.00275 3	±2.5	PAS S
Band1 3	5MHz	QPSK	2325 5	25RB#0	NV	-10	-3.52	-0.00448 7	±2.5	PAS S

Band1 3	5MHz	QPSK	2325 5	25RB#0	NV	0	-2.10	-0.00267 7	±2.5	PAS S
Band1 3	5MHz	QPSK	2325 5	25RB#0	NV	10	-1.96	-0.00249 8	±2.5	PAS S
Band1 3	5MHz	QPSK	2325 5	25RB#0	NV	20	-30.48	-0.03885 3	±2.5	PAS S
Band1 3	5MHz	QPSK	2325 5	25RB#0	NV	30	2.53	0.00322 5	±2.5	PAS S
Band1 3	5MHz	QPSK	2325 5	25RB#0	NV	40	-2.86	-0.00364 6	±2.5	PAS S
Band1 3	5MHz	QPSK	2325 5	25RB#0	NV	50	-2.22	-0.00283 0	±2.5	PAS S
Band1 3	5MHz	16QA M	2325 5	25RB#0	NV	-30	-3.38	-0.00430 8	±2.5	PAS S
Band1 3	5MHz	16QA M	2325 5	25RB#0	NV	-20	-4.03	-0.00513 7	±2.5	PAS S
Band1 3	5MHz	16QA M	2325 5	25RB#0	NV	-10	4.39	0.00559 6	±2.5	PAS S
Band1 3	5MHz	16QA M	2325 5	25RB#0	NV	0	-4.19	-0.00534 1	±2.5	PAS S
Band1 3	5MHz	16QA M	2325 5	25RB#0	NV	10	-2.99	-0.00381 1	±2.5	PAS S
Band1 3	5MHz	16QA M	2325 5	25RB#0	NV	20	-2.16	-0.00275 3	±2.5	PAS S
Band1 3	5MHz	16QA M	2325 5	25RB#0	NV	30	-3.26	-0.00415 6	±2.5	PAS S
Band1 3	5MHz	16QA M	2325 5	25RB#0	NV	40	-4.06	-0.00517 5	±2.5	PAS S
Band1 3	5MHz	16QA M	2325 5	25RB#0	NV	50	-27.97	-0.03565 3	±2.5	PAS S
Band1 3	10MH z	QPSK	2323 0	50RB#0	NV	-30	11.06	0.01414 3	±2.5	PAS S
Band1 3	10MH z	QPSK	2323 0	50RB#0	NV	-20	-2.83	-0.00361 9	±2.5	PAS S
Band1 3	10MH z	QPSK	2323 0	50RB#0	NV	-10	-2.43	-0.00310 7	±2.5	PAS S
Band1 3	10MH z	QPSK	2323 0	50RB#0	NV	0	-4.59	-0.00587 0	±2.5	PAS S
Band1 3	10MH z	QPSK	2323 0	50RB#0	NV	10	9.06	0.011586	±2.5	PAS S
Band1 3	10MH z	QPSK	2323 0	50RB#0	NV	20	1.27	0.00162 4	±2.5	PAS S
Band1	10MH	QPSK	2323	50RB#0	NV	30	-1.85	-0.00236	±2.5	PAS

3	z		0					6		S
Band1	10MH	QPSK	2323	50RB#0	NV	40	-2.76	-0.00352	±2.5	PAS
3	z		0					9		S
Band1	10MH	QPSK	2323	50RB#0	NV	50	-2.52	-0.00322	±2.5	PAS
3	z		0					3		S

Appendix G: Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Verdict
Band13	5MHz	QPSK	23205	25RB#0	PASS
Band13	5MHz	16QAM	23205	25RB#0	PASS
Band13	5MHz	QPSK	23230	25RB#0	PASS
Band13	5MHz	16QAM	23230	25RB#0	PASS
Band13	5MHz	QPSK	23255	25RB#0	PASS
Band13	5MHz	16QAM	23255	25RB#0	PASS
Band13	10MHz	QPSK	23230	50RB#0	PASS
Band13	10MHz	16QAM	23230	1RB#0	PASS

Test Graphs

