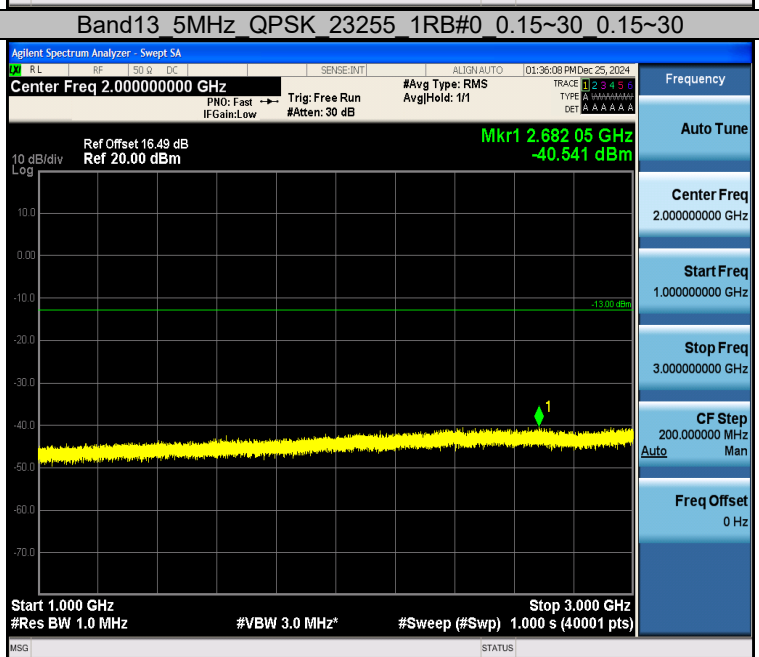
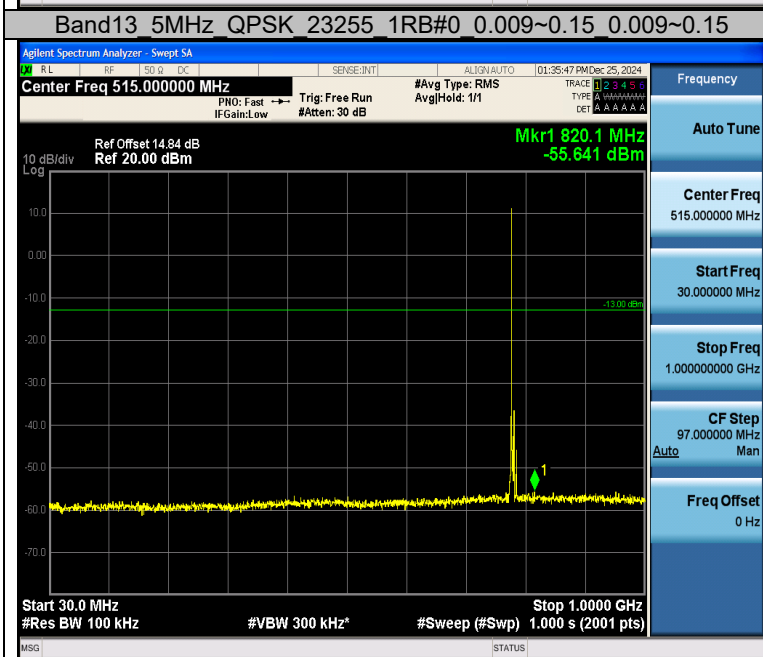
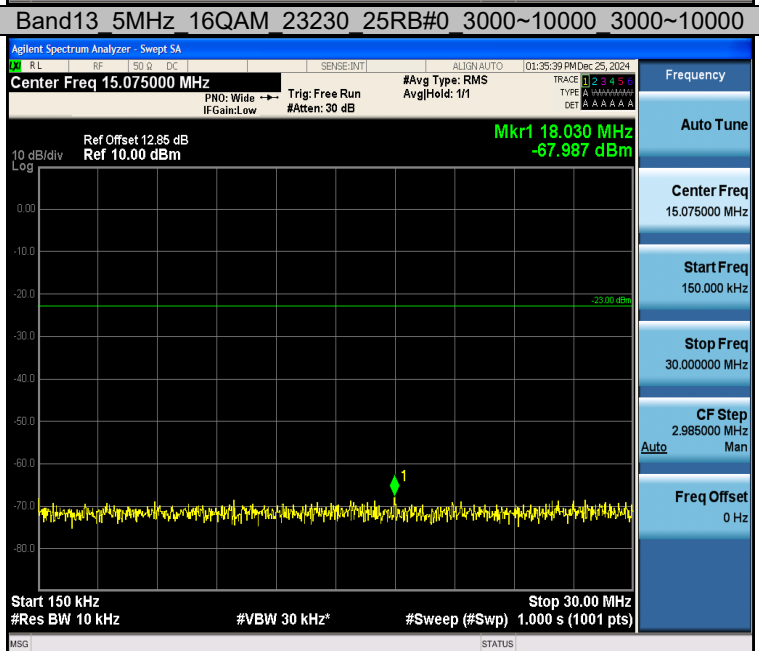
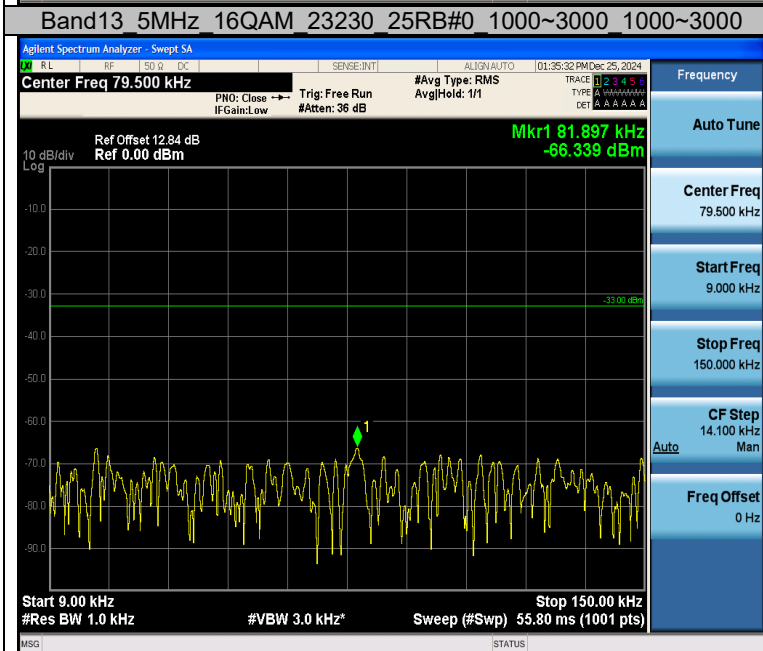
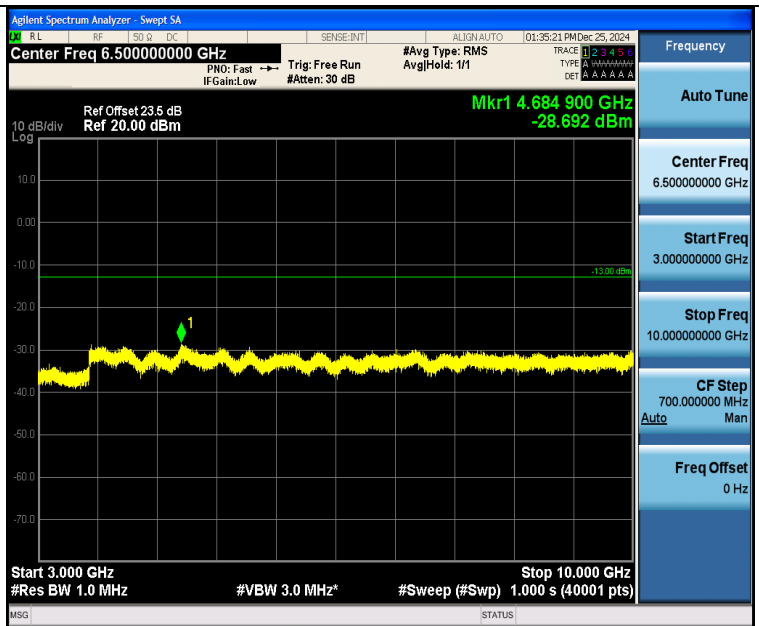
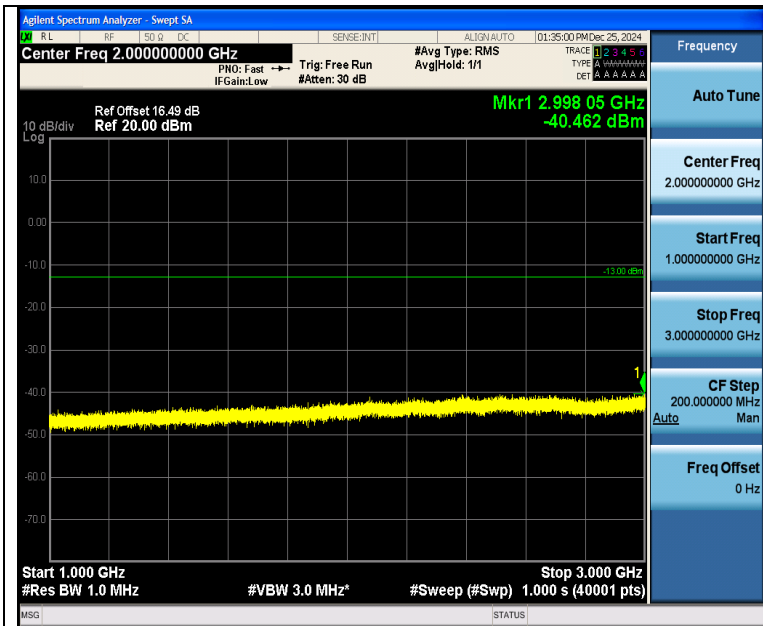
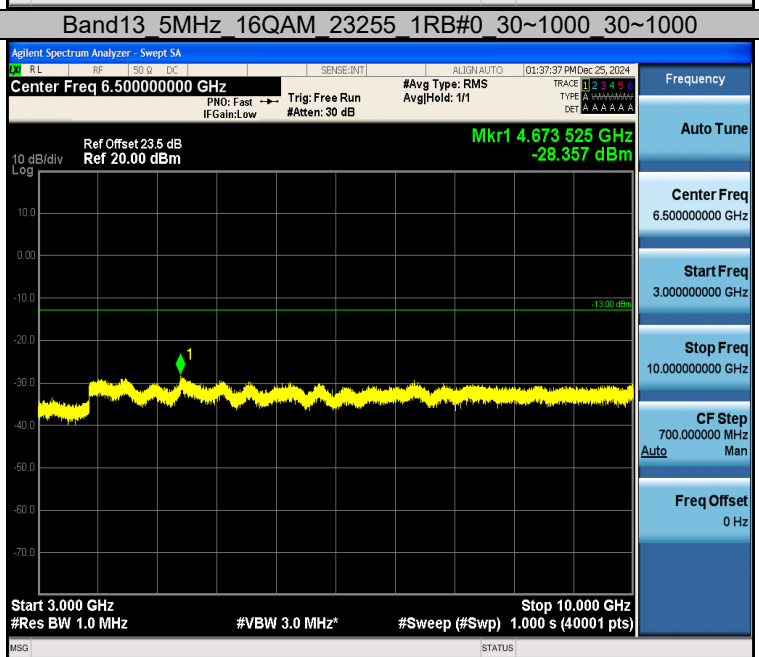
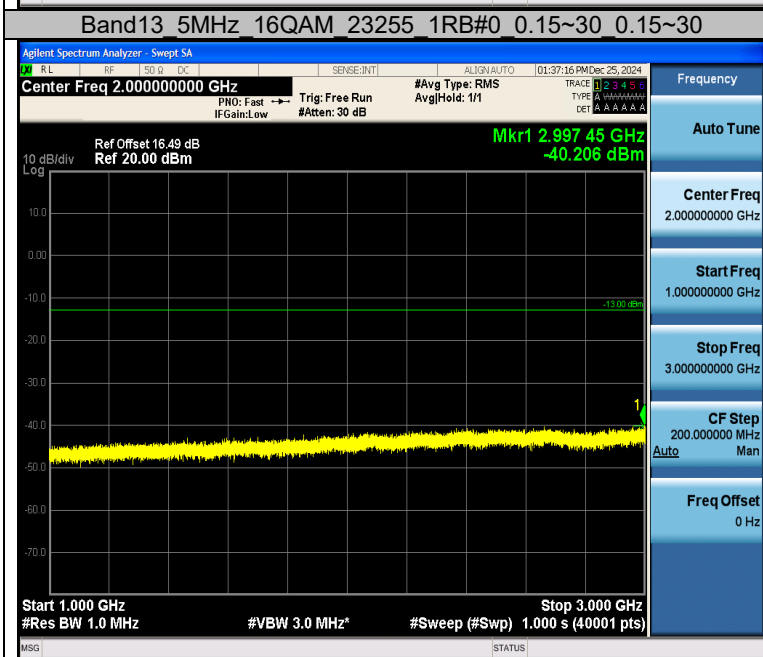
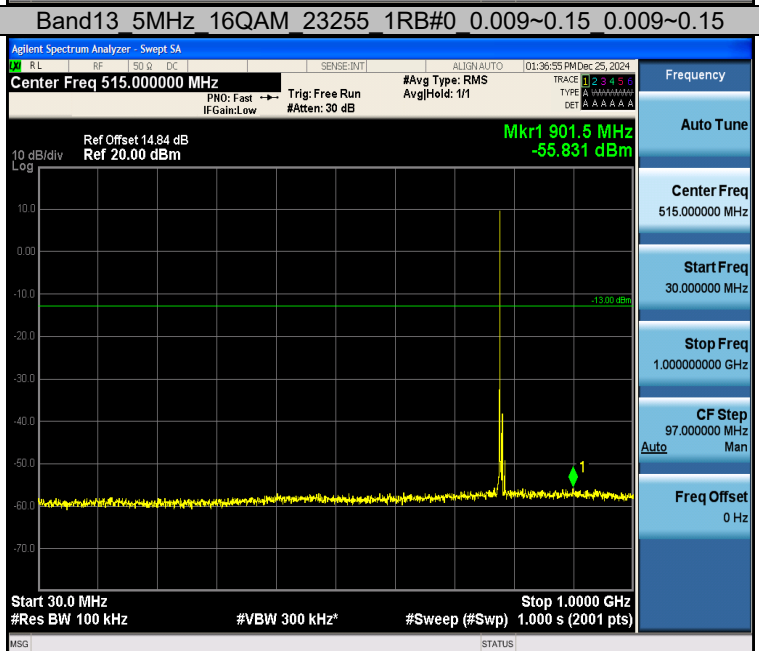
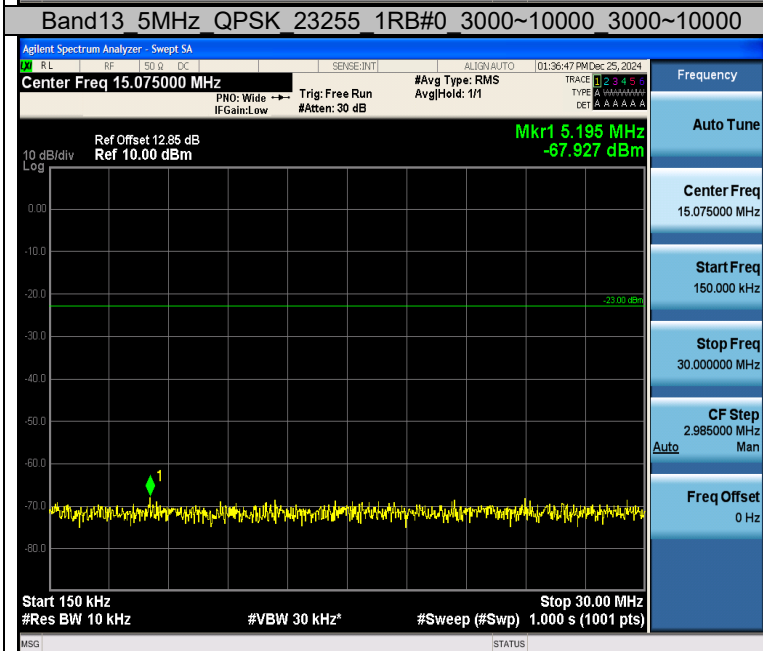
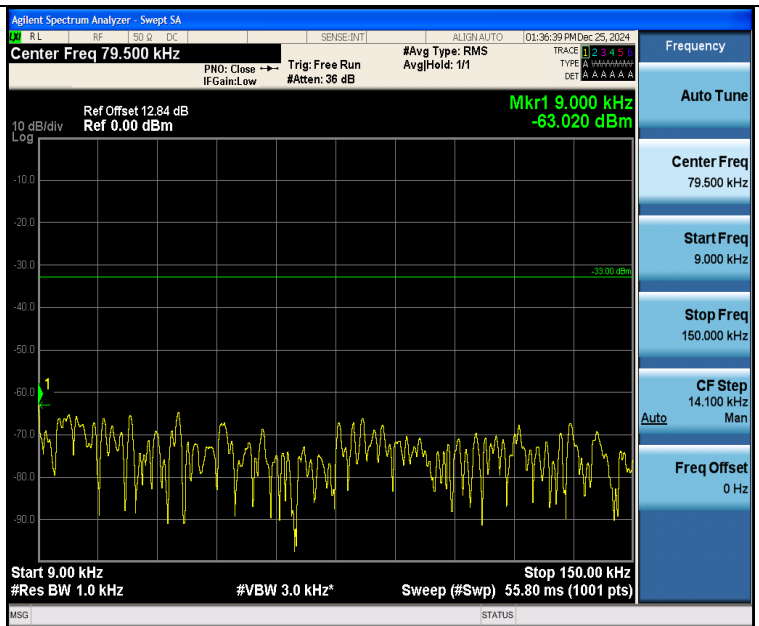
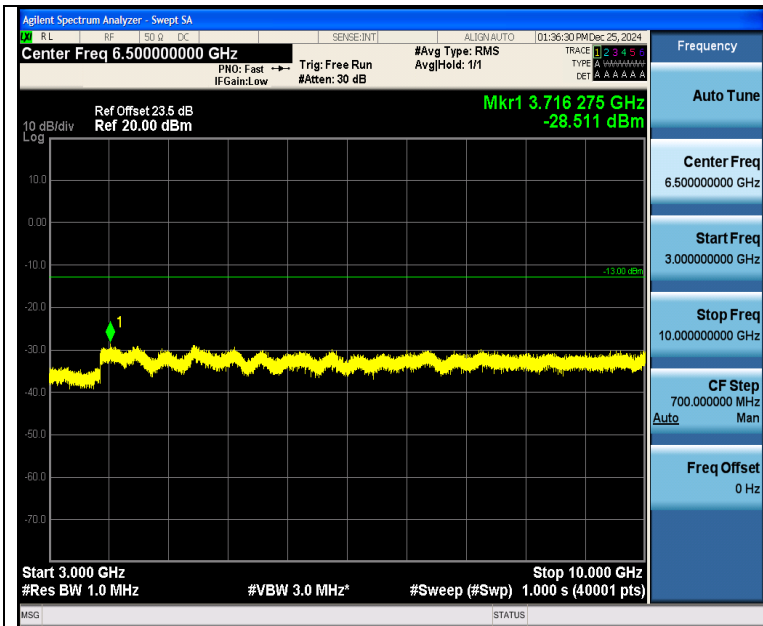




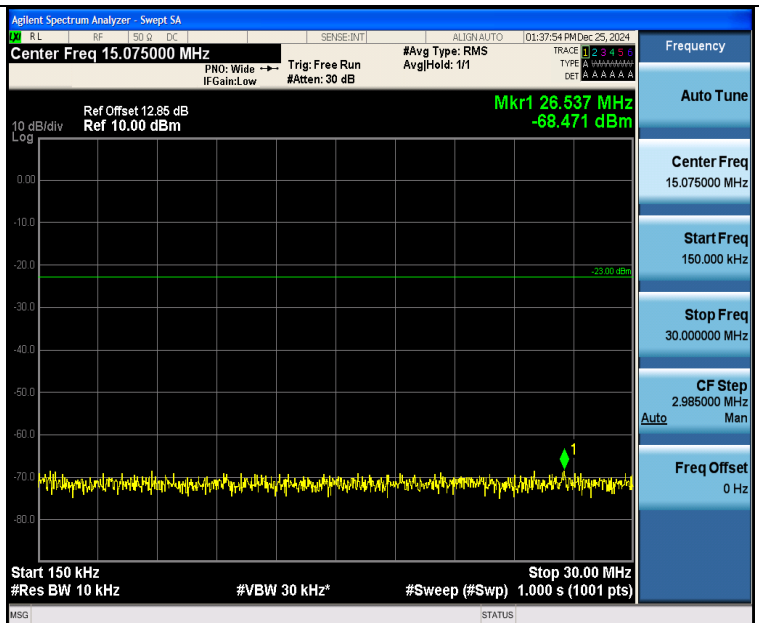
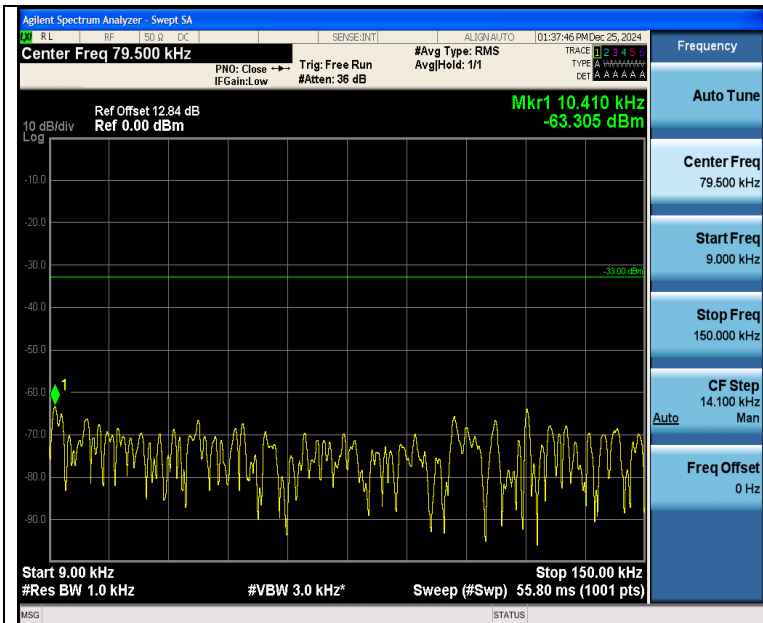
Band13_5MHz_QPSK_23255_1RB#0_30~1000_30~1000

Band13_5MHz_QPSK_23255_1RB#0_1000~3000_1000~3000



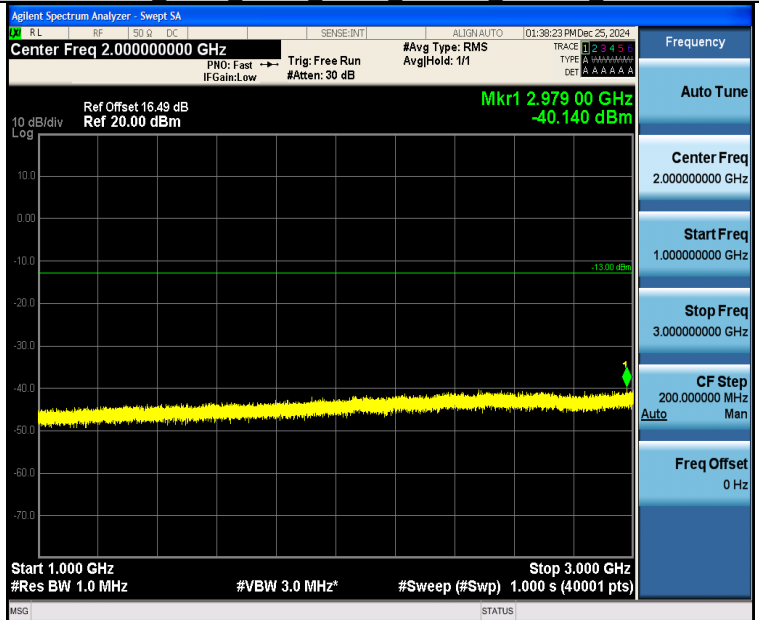
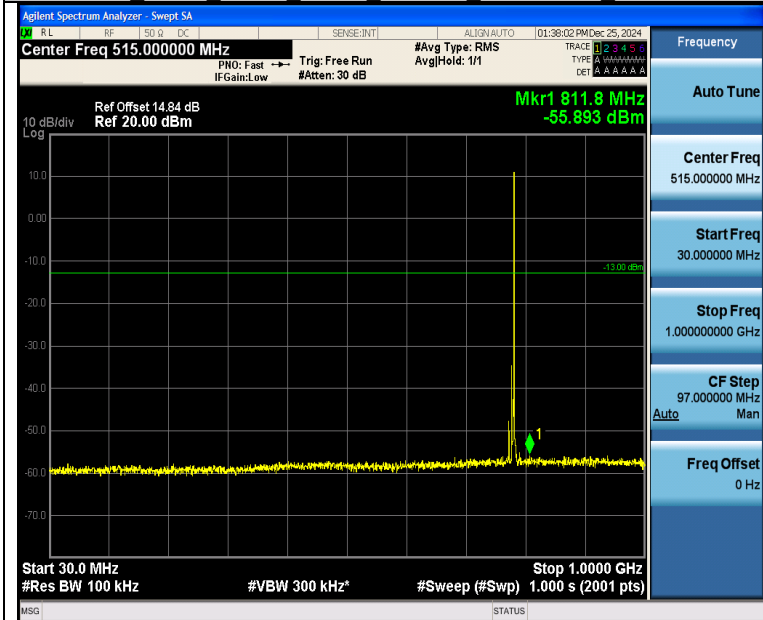
Band13 5MHz 16QAM 23255 1RB#0 1000~3000 1000~3000

Band13 5MHz 16QAM 23255 1RB#0 3000~10000 3000~10000



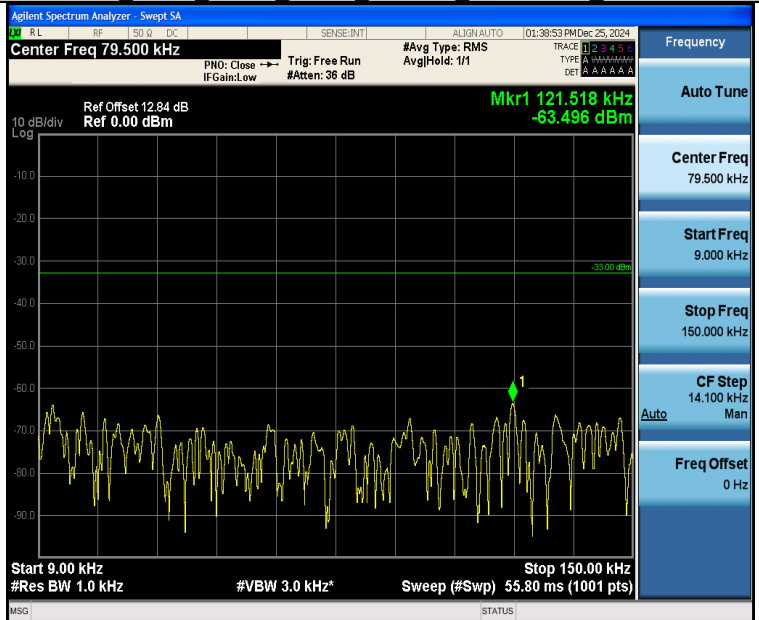
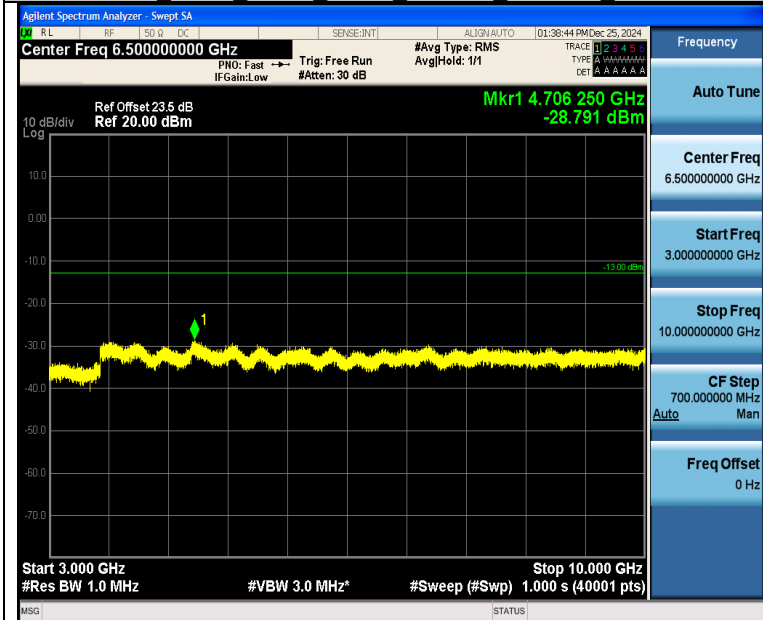
Band13 5MHz QPSK 23255 1RB#24 0.009~0.15 0.009~0.15

Band13 5MHz QPSK 23255 1RB#24 0.15~30 0.15~30



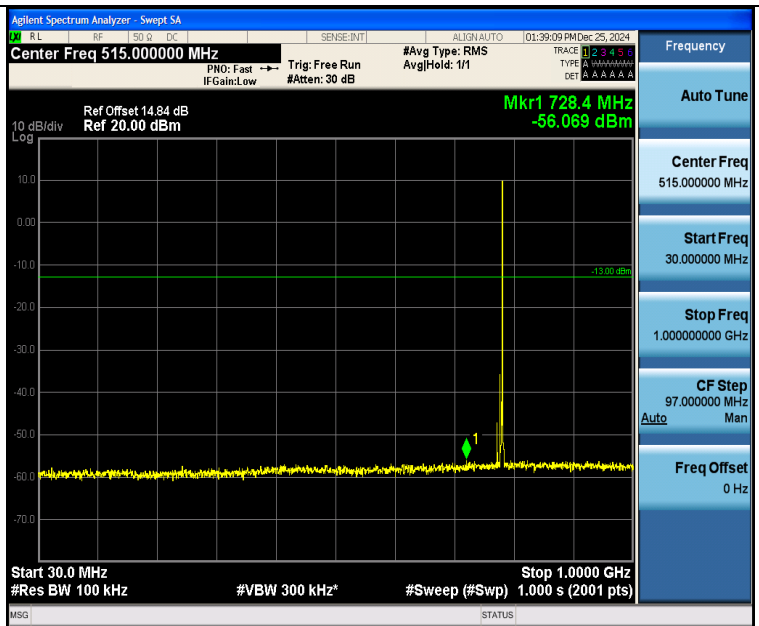
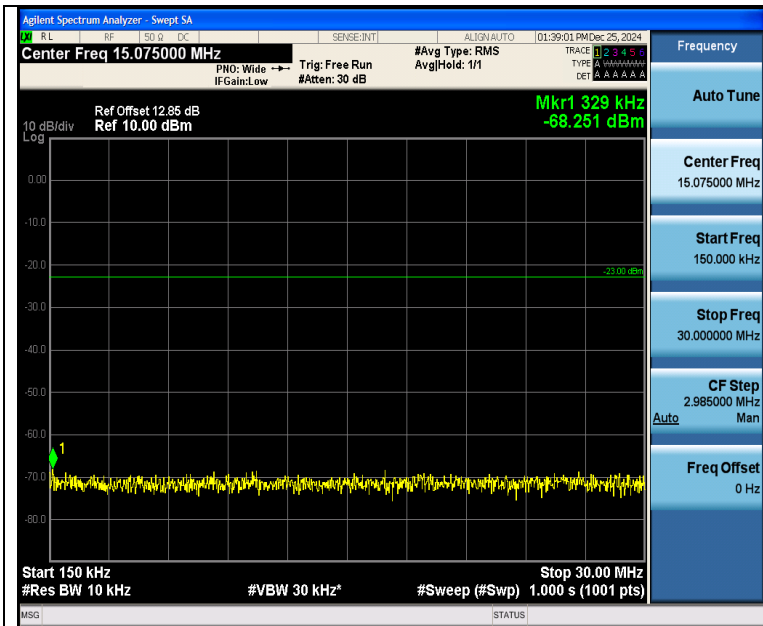
Band13 5MHz QPSK 23255 1RB#24 30~1000 30~1000

Band13 5MHz QPSK 23255 1RB#24 1000~3000 1000~3000



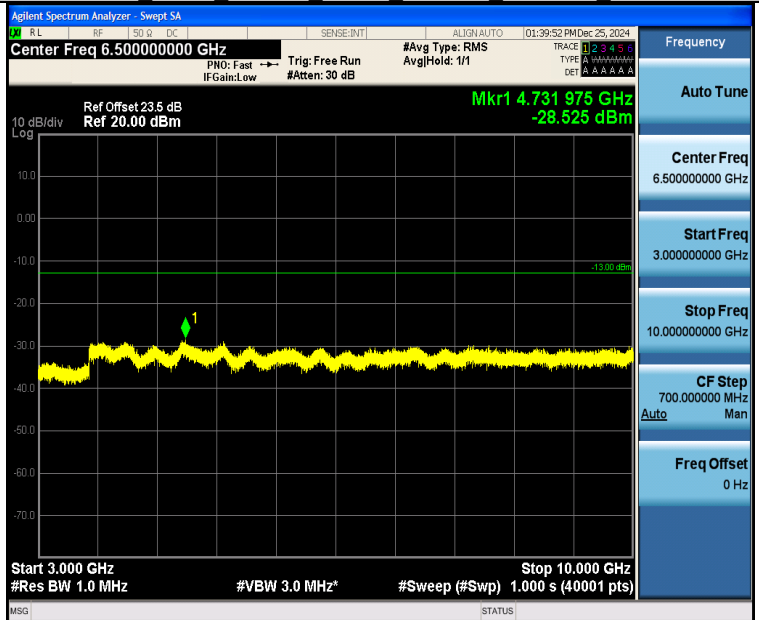
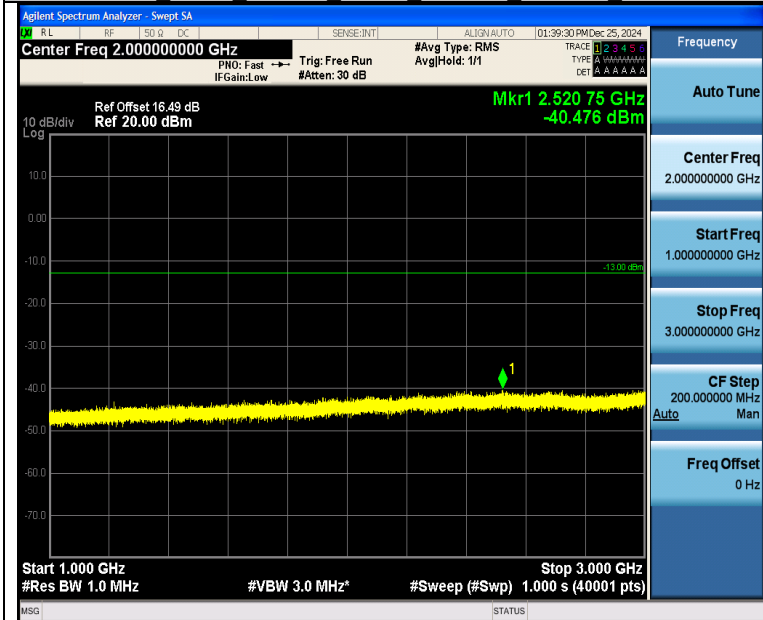
Band13_5MHz_QPSK_23255_1RB#24_3000~10000_3000~10000

Band13_5MHz_16QAM_23255_1RB#24_0.009~0.15_0.009~0.15



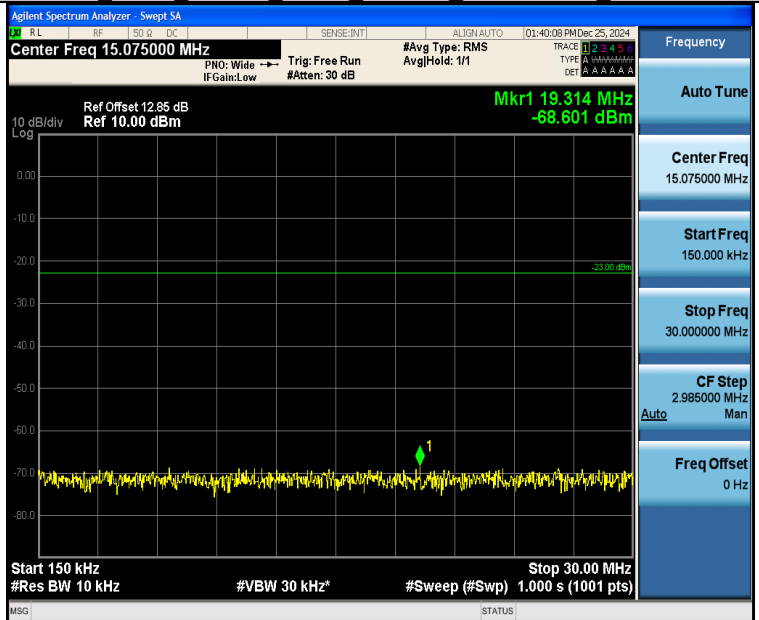
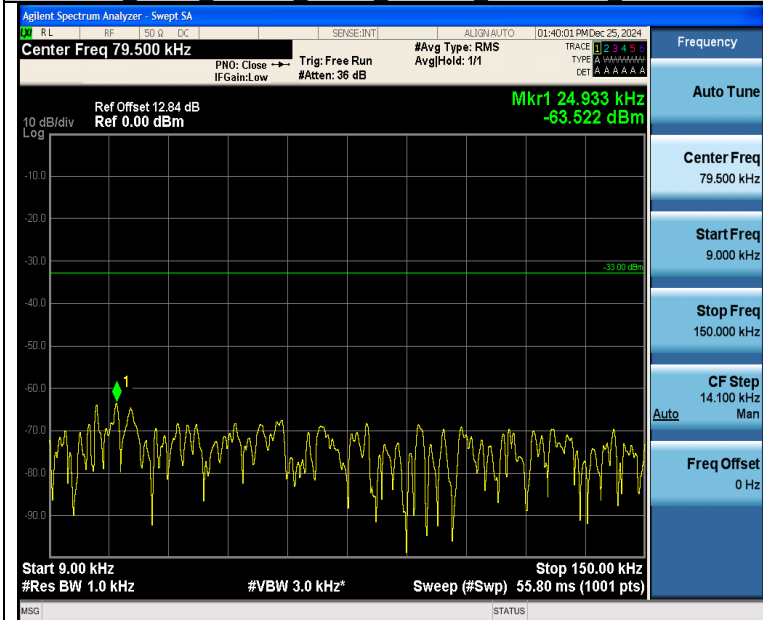
Band13_5MHz_16QAM_23255_1RB#24_0.15~30_0.15~30

Band13_5MHz_16QAM_23255_1RB#24_30~1000_30~1000



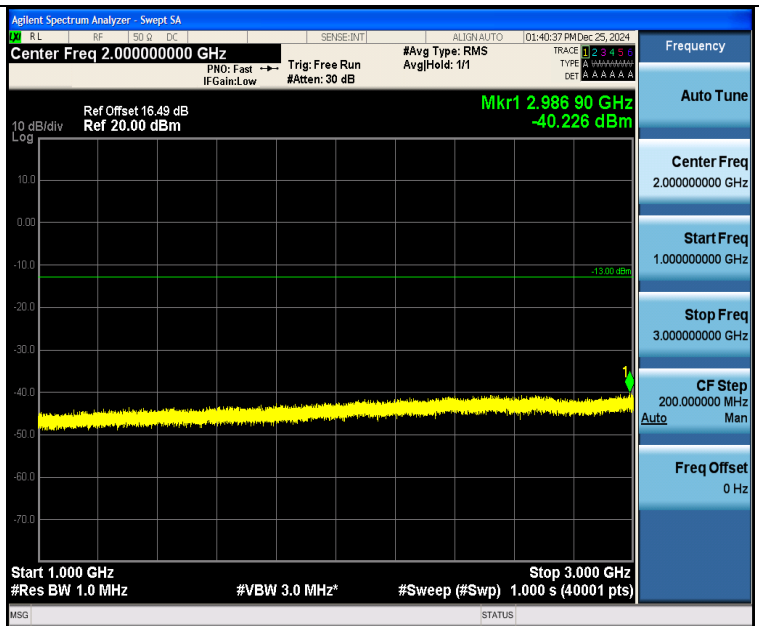
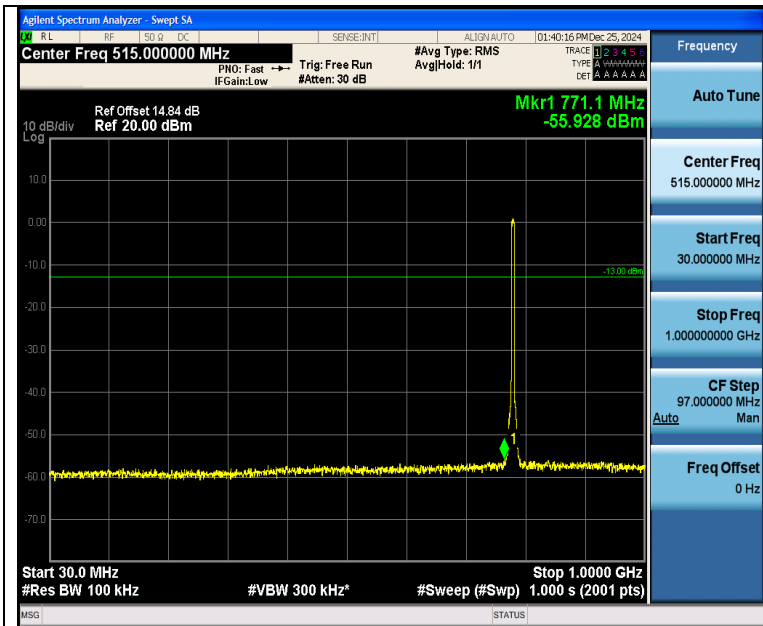
Band13_5MHz_16QAM_23255_1RB#24_1000~3000_1000~3000

Band13_5MHz_16QAM_23255_1RB#24_3000~10000_3000~10000



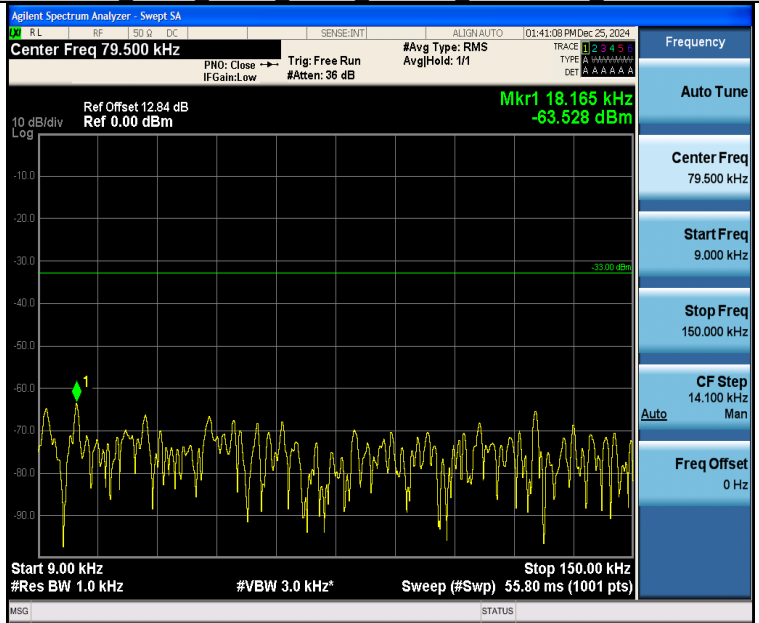
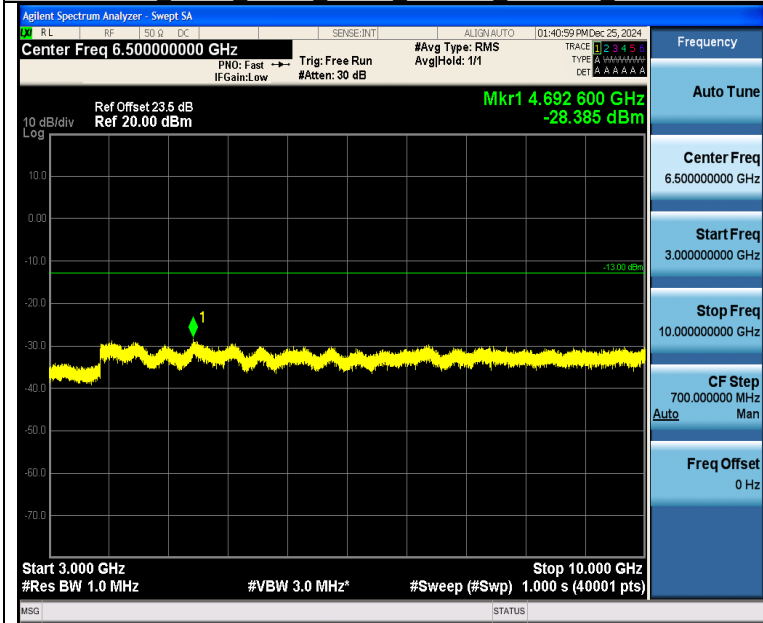
Band13_5MHz_QPSK_23255_25RB#0_0.009~0.15_0.009~0.15

Band13_5MHz_QPSK_23255_25RB#0_0.15~30_0.15~30



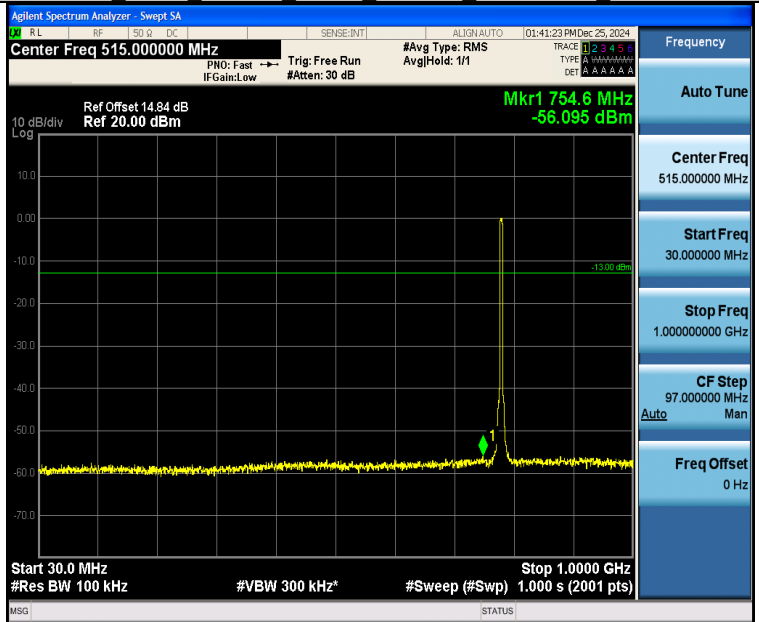
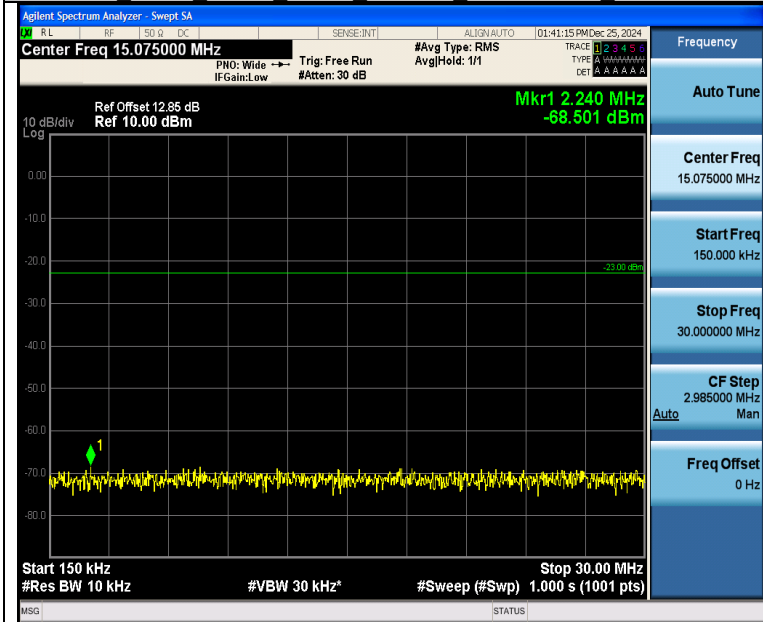
Band13 5MHz QPSK 23255 25RB#0 30~1000 30~1000

Band13 5MHz QPSK 23255 25RB#0 1000~3000 1000~3000



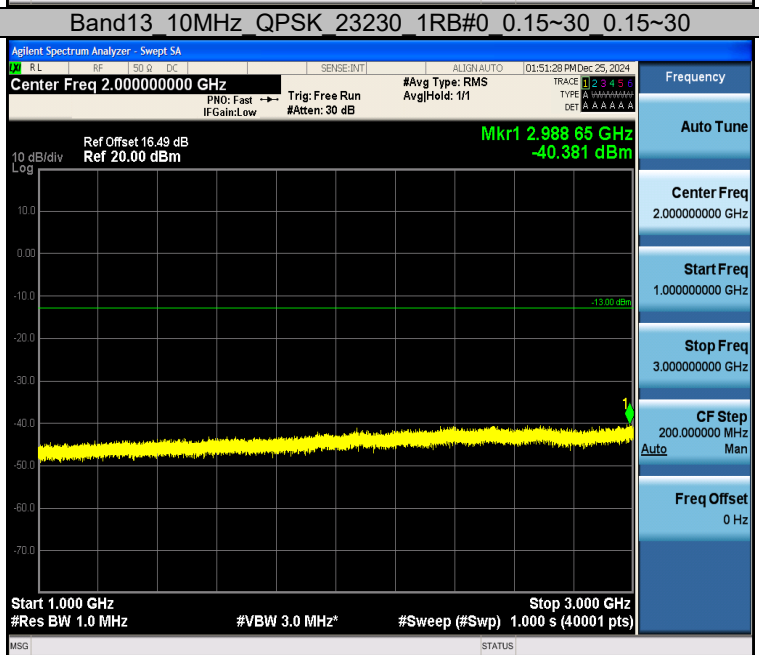
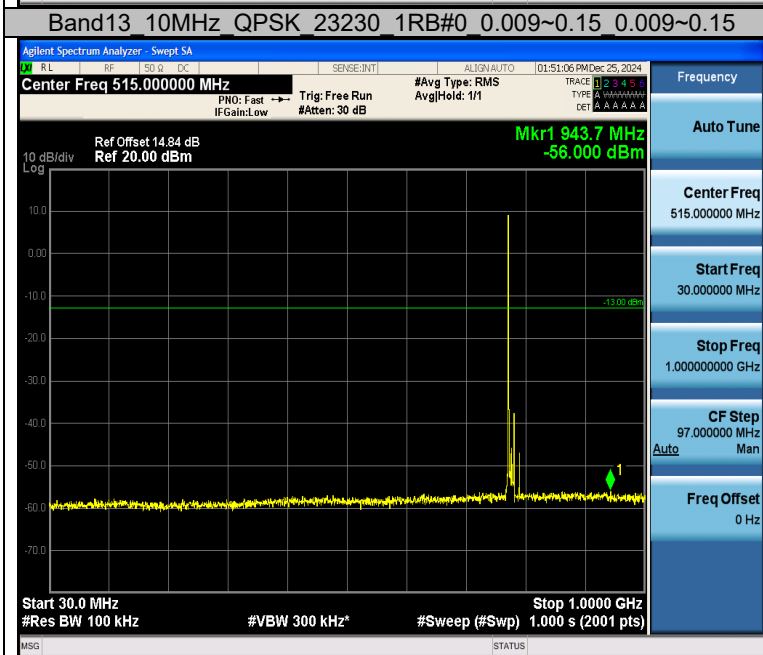
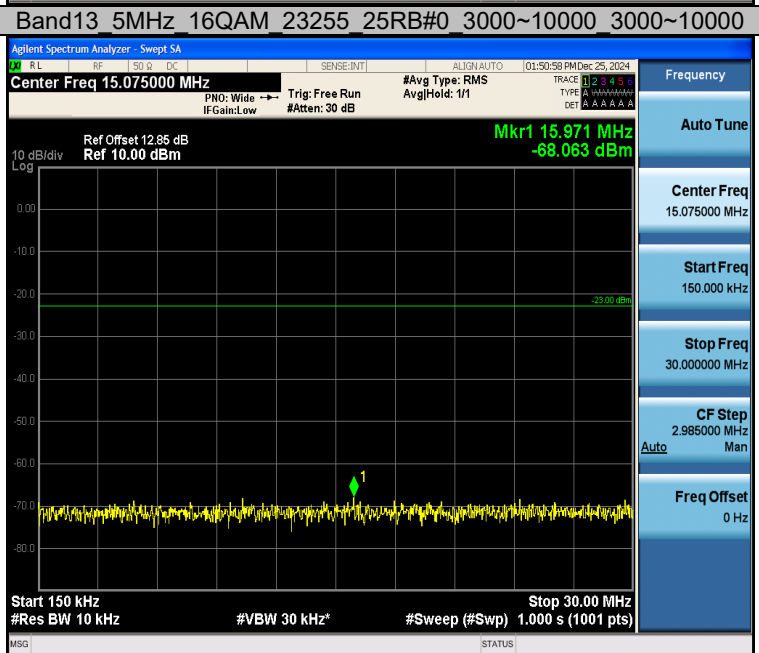
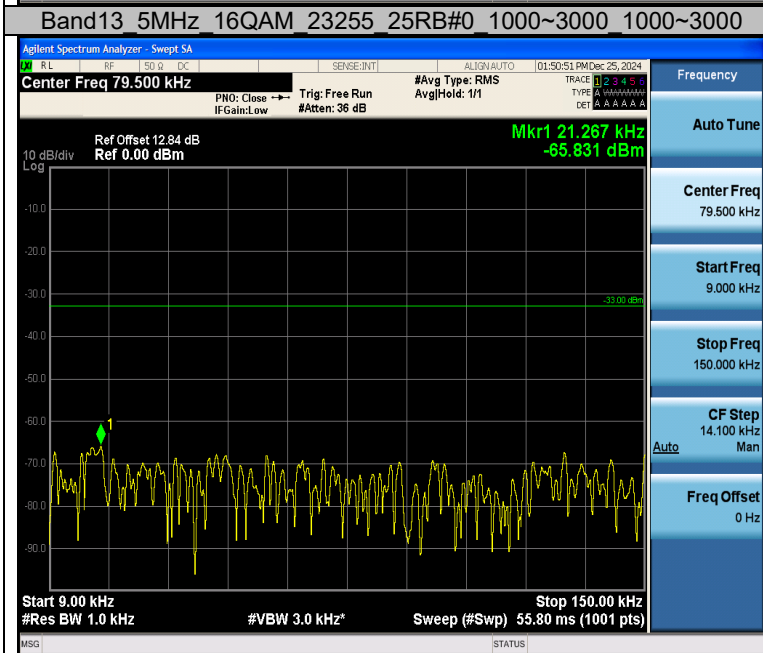
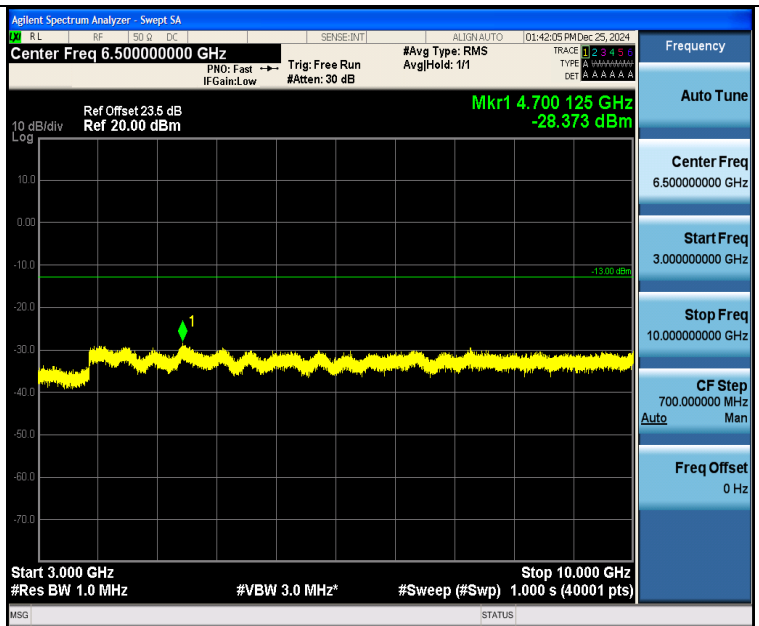
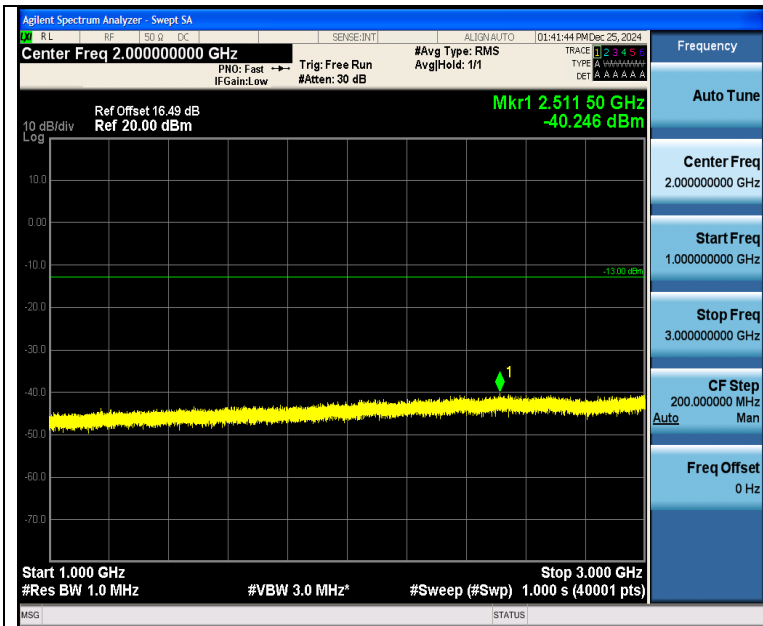
Band13 5MHz QPSK 23255 25RB#0 3000~10000 3000~10000

Band13 5MHz 16QAM 23255 25RB#0 0.009~0.15 0.009~0.15



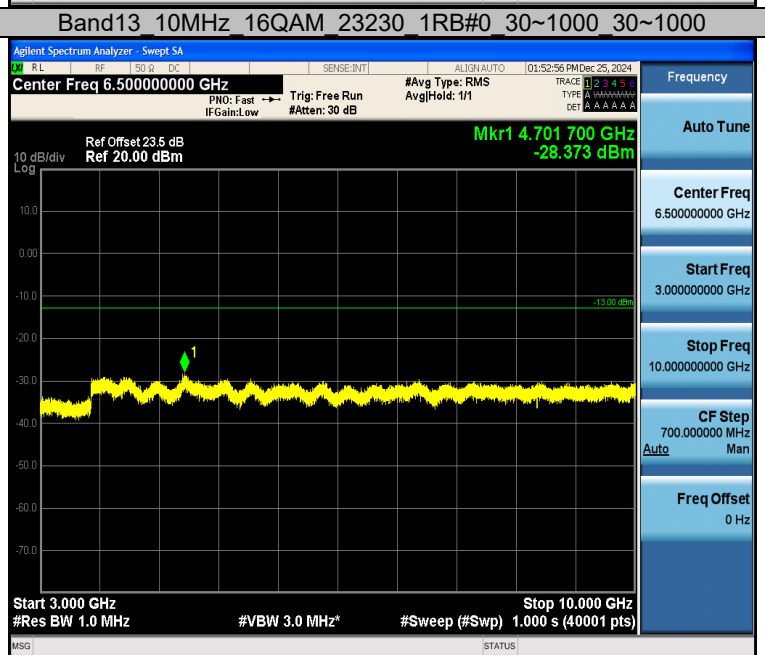
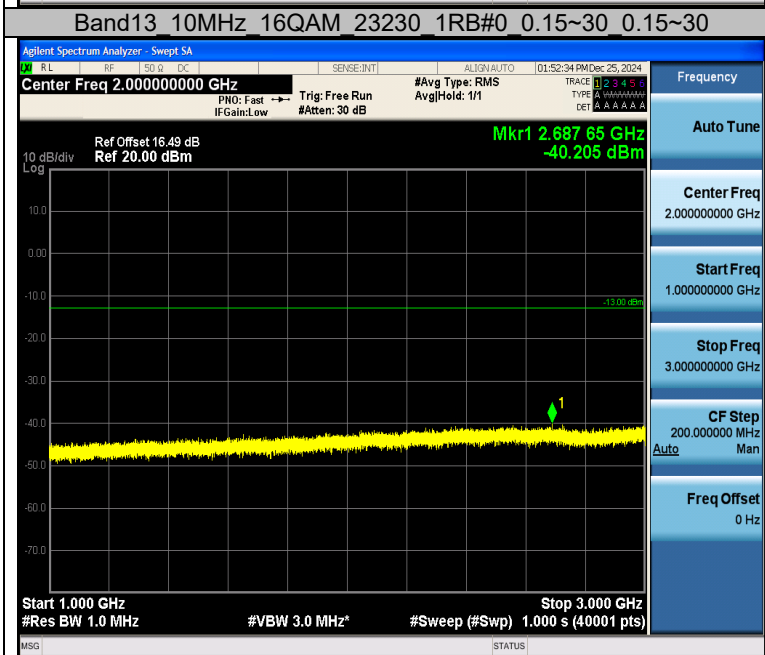
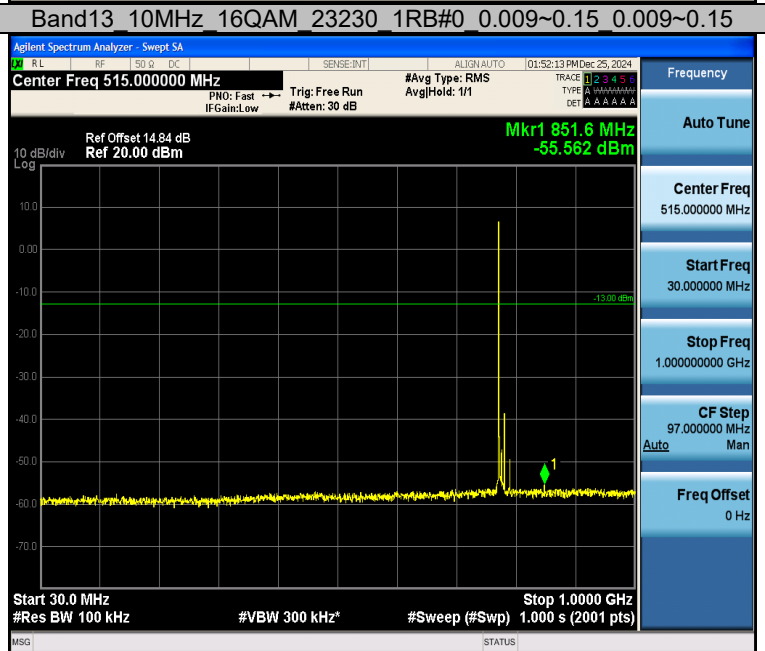
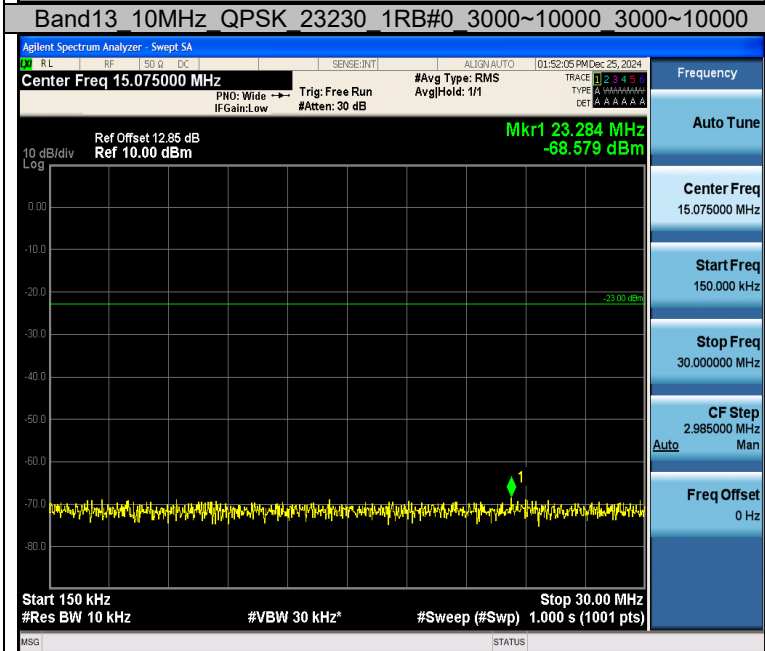
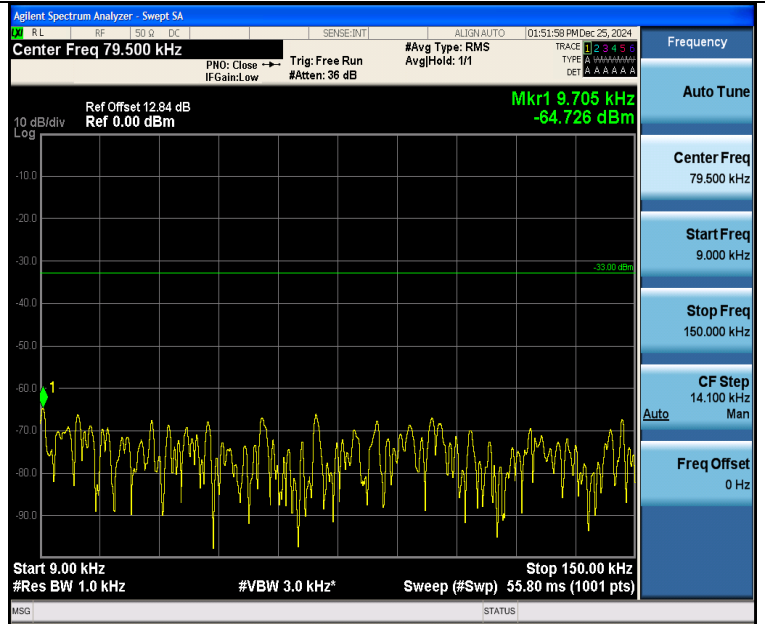
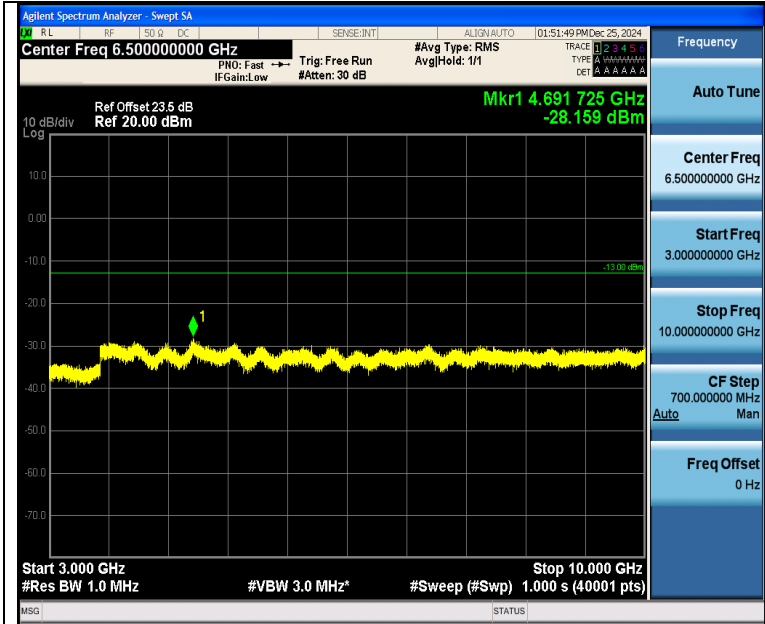
Band13_5MHz_16QAM_23255_25RB#0_0.15~30_0.15~30

Band13_5MHz_16QAM_23255_25RB#0_30~1000_30~1000



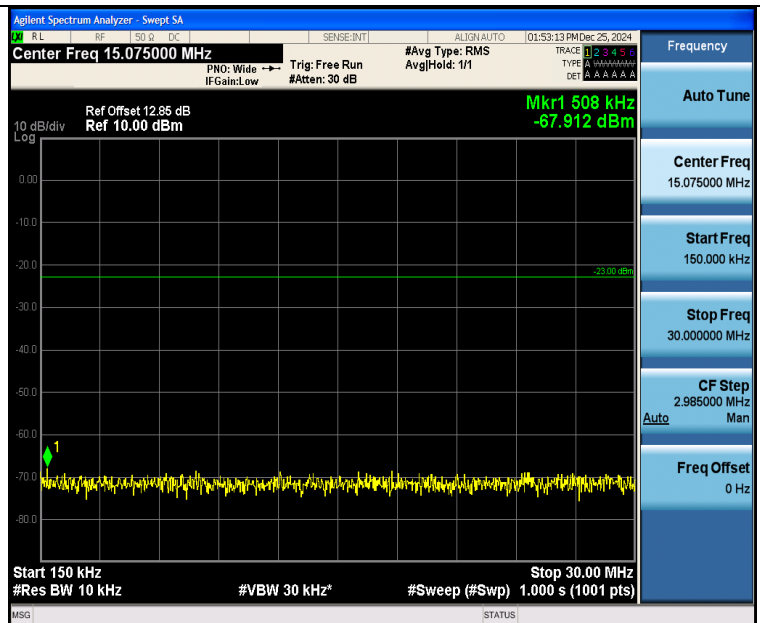
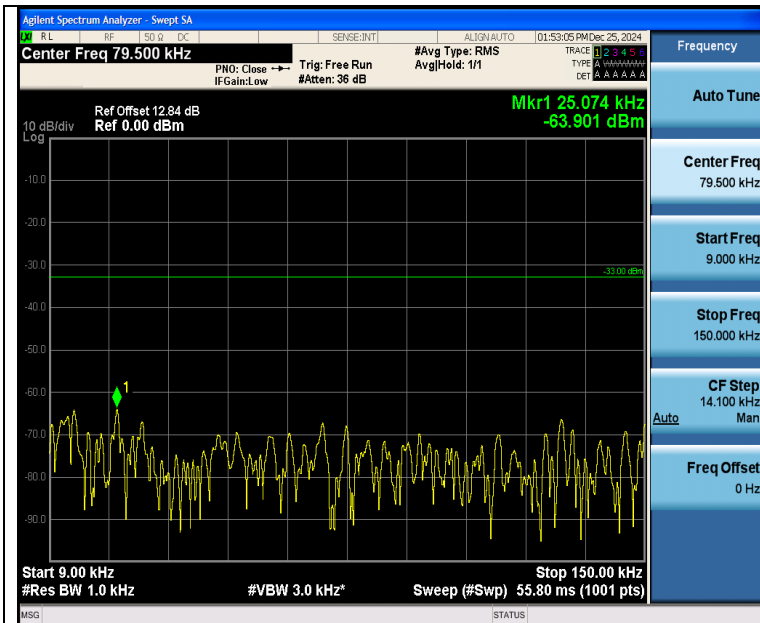
Band13_10MHz_QPSK_23230_1RB#0_30~1000_30~1000

Band13_10MHz_QPSK_23230_1RB#0_1000~3000_1000~3000



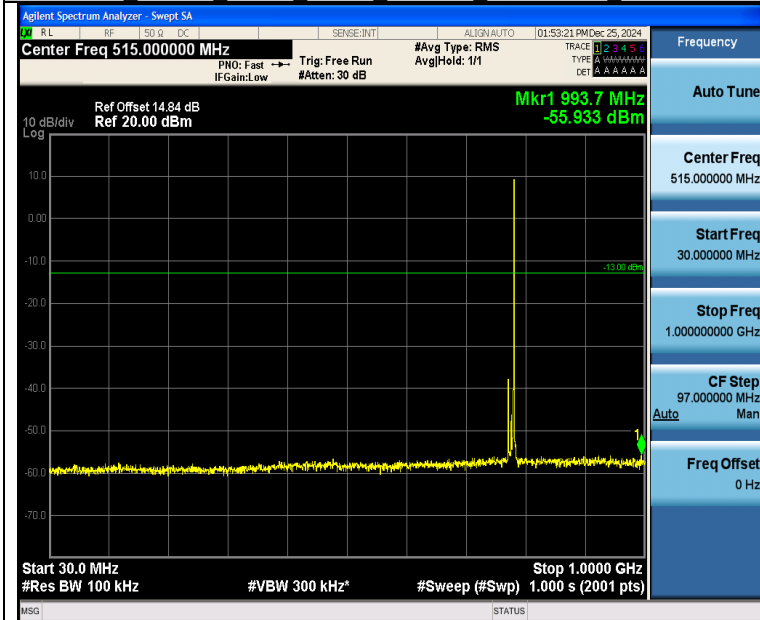
Band13_10MHz_16QAM_23230_1RB#0_1000~3000_1000~3000

Band13_10MHz_16QAM_23230_1RB#0_3000~10000_3000~10000



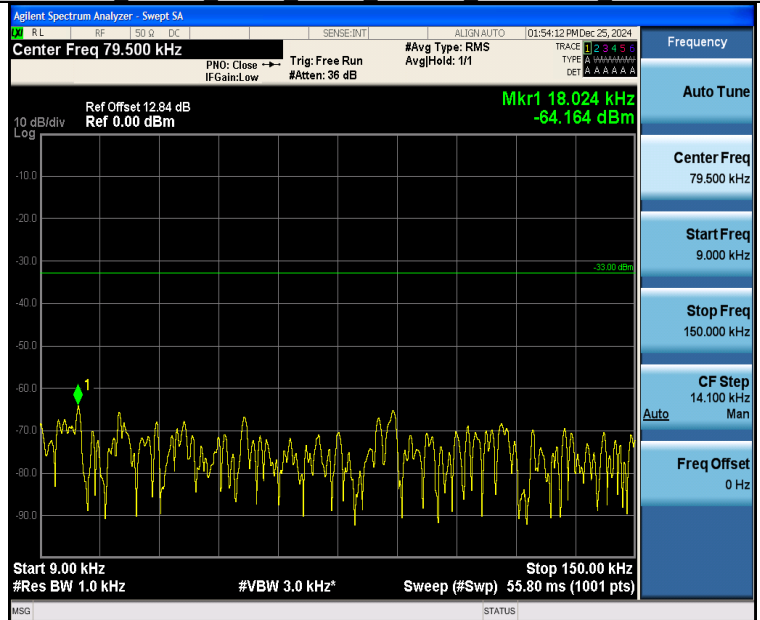
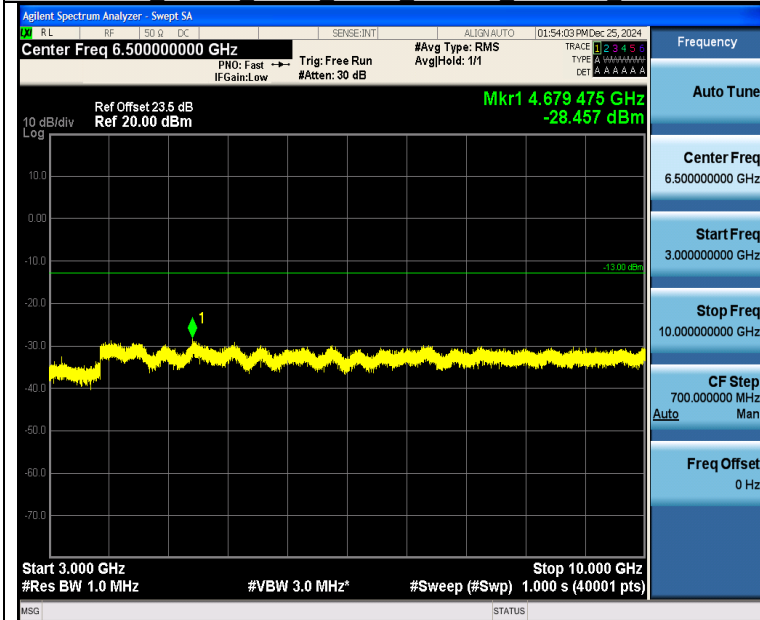
Band13 10MHz QPSK 23230 1RB#49 0.009~0.15 0.009~0.15

Band13 10MHz QPSK 23230 1RB#49 0.15~30 0.15~30



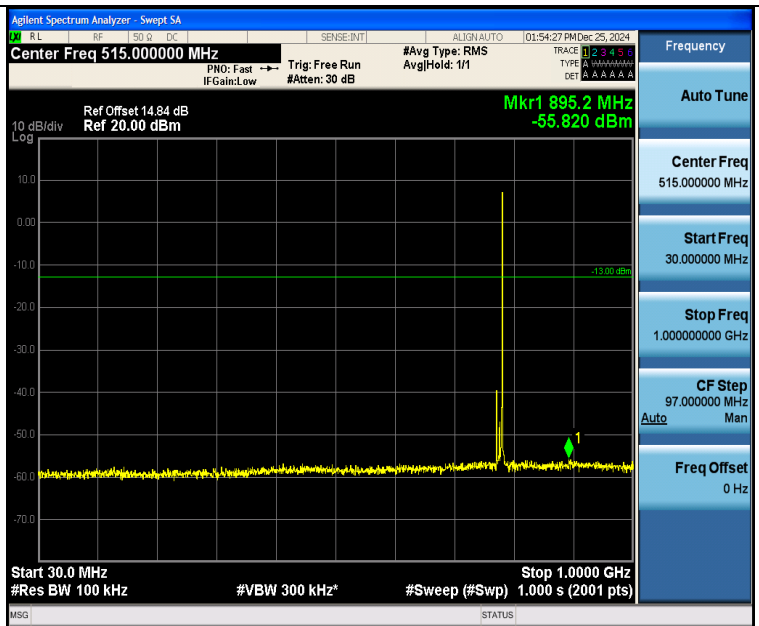
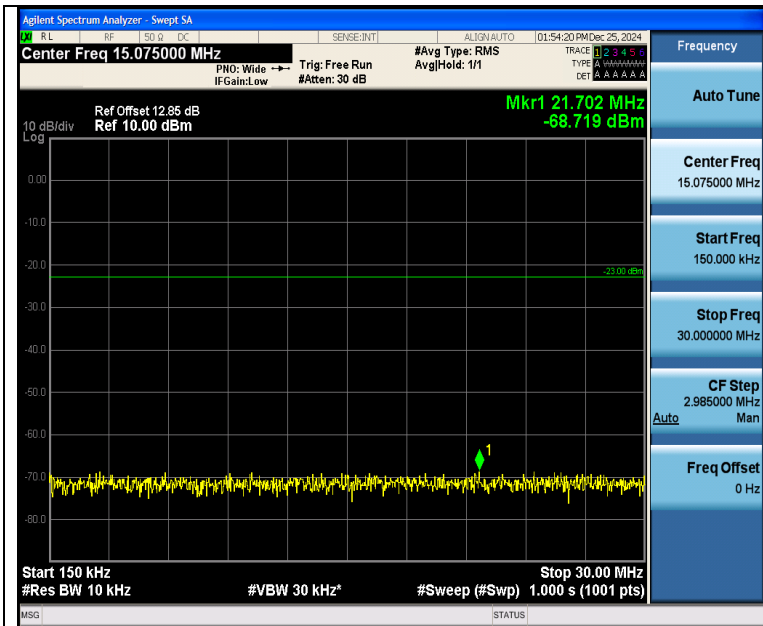
Band13 10MHz QPSK 23230 1RB#49 30~1000 30~1000

Band13 10MHz QPSK 23230 1RB#49 1000~3000 1000~3000



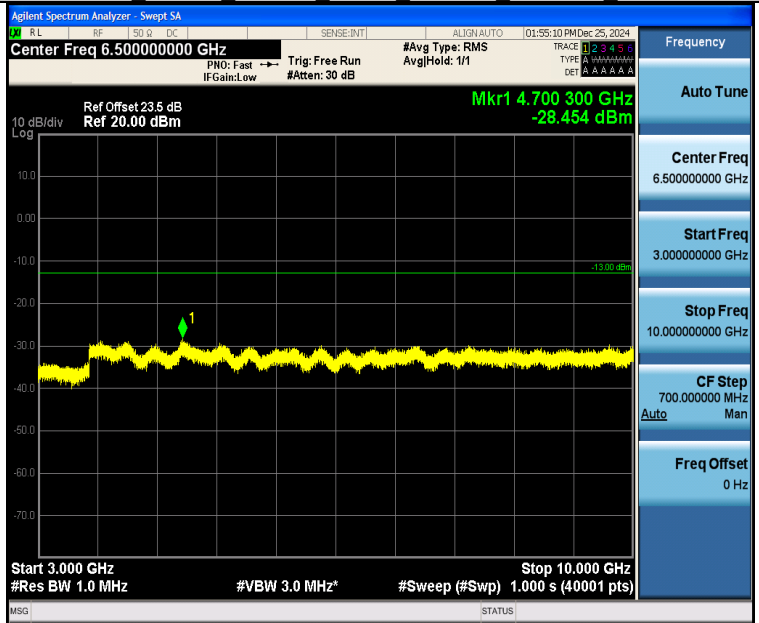
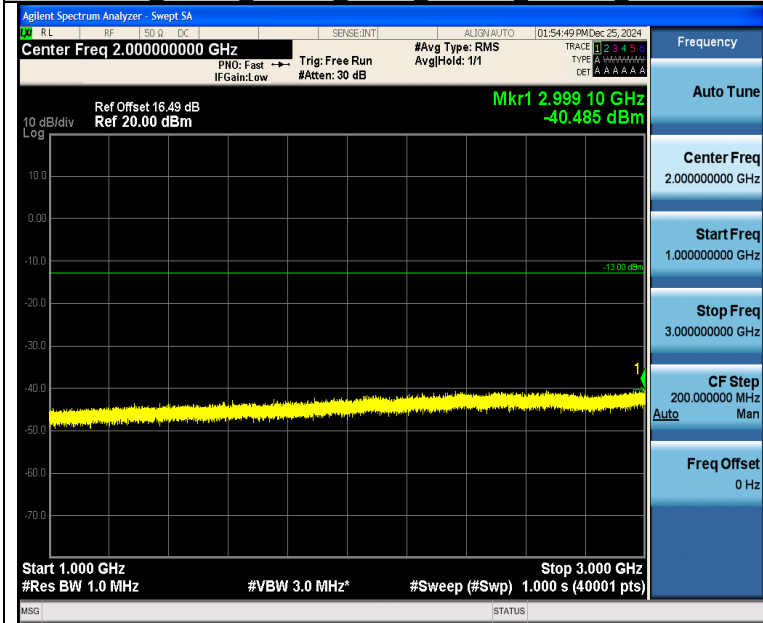
Band13_10MHz_QPSK_23230_1RB#49_3000~10000_3000~10000

Band13_10MHz_16QAM_23230_1RB#49_0.009~0.15_0.009~0.15



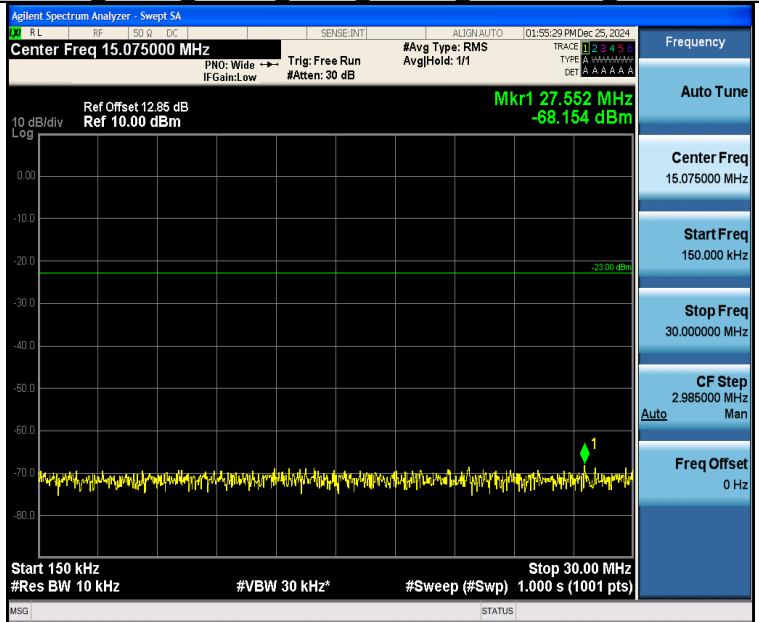
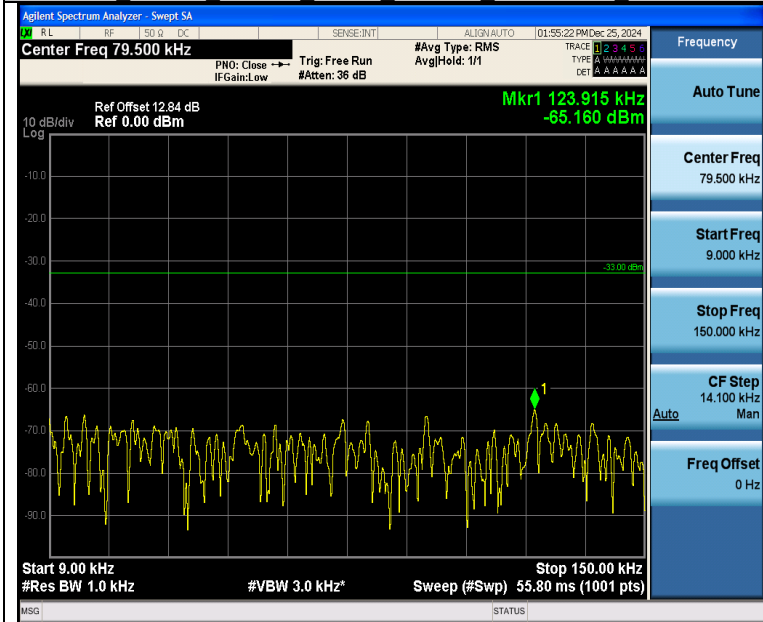
Band13 10MHz 16QAM 23230 1RB#49 0.15~30 0.15~30

Band13 10MHz 16QAM 23230 1RB#49 30~1000 30~1000



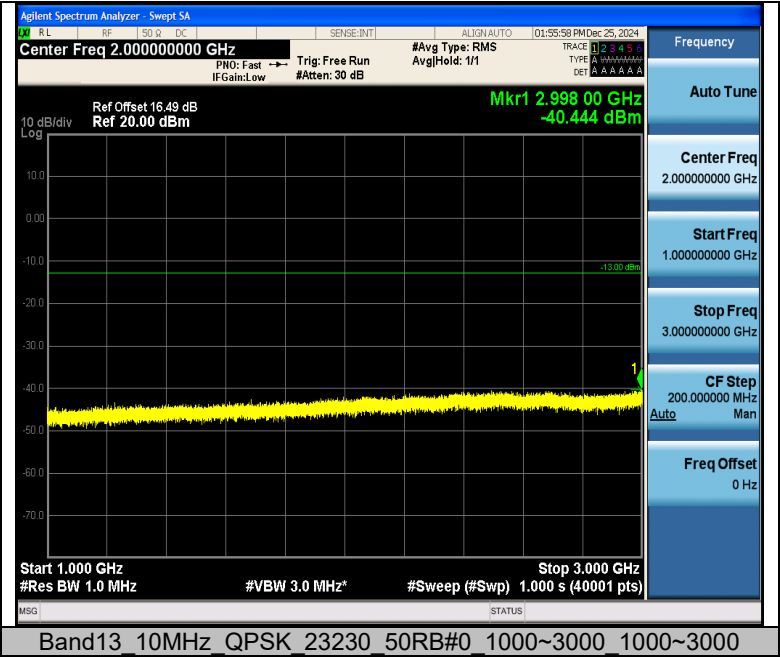
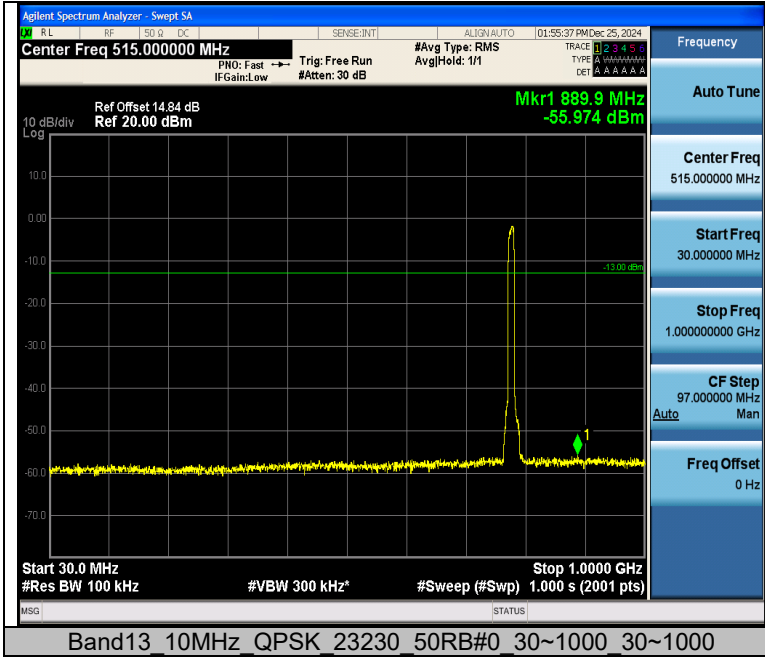
Band13 10MHz 16QAM 23230 1RB#49 1000~3000 1000~3000

Band13 10MHz 16QAM 23230 1RB#49 3000~10000 3000~10000



Band13_10MHz_QPSK_23230_50RB#0_0.009~0.15 0.009~0.15

Band13_10MHz_QPSK_23230_50RB#0_0.15~30 0.15~30



Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	VN	NT	-3.68	-0.004721	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	VL	NT	-4.56	-0.005850	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	VH	NT	-2.85	-0.003656	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VN	NT	-3.05	-0.003913	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VL	NT	-2.46	-0.003156	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VH	NT	-5.12	-0.006568	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VN	NT	-4.69	-0.005997	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VL	NT	2.85	0.003645	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VH	NT	-2.59	-0.003312	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VN	NT	2.80	0.003581	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VL	NT	-2.45	-0.003133	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VH	NT	-2.46	-0.003146	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VN	NT	-2.06	-0.002626	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VL	NT	-3.08	-0.003926	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VH	NT	2.76	0.003518	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VN	NT	-1.37	-0.001746	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VL	NT	-1.43	-0.001823	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VH	NT	-1.75	-0.002231	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VN	NT	-2.82	-0.003606	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VL	NT	-3.42	-0.004373	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VH	NT	-2.96	-0.003785	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	NV	-30	-2.60	-0.003335	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-20	-3.18	-0.004080	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-10	-2.35	-0.003015	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	0	-1.82	-0.002335	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	10	-3.56	-0.004567	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	20	-4.18	-0.005362	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	30	-6.22	-0.007979	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	40	-3.63	-0.004657	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	50	-2.90	-0.003720	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-30	-3.96	-0.005080	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-20	-3.73	-0.004785	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-10	-3.82	-0.004901	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	0	-2.63	-0.003374	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	10	-3.85	-0.004939	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	20	-4.46	-0.005722	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	30	-2.65	-0.003400	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	40	-3.00	-0.003849	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	50	-4.58	-0.005876	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-30	-2.47	-0.003159	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-20	1.27	0.001624	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-10	-2.50	-0.003197	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	0	-5.12	-0.006547	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	10	-4.01	-0.005128	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	20	-1.53	-0.001957	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	30	-1.69	-0.002161	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	40	-1.79	-0.002289	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	50	-2.88	-0.003683	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-30	2.02	0.002583	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-20	-3.20	-0.004092	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-10	-1.65	-0.002110	±2.5	PASS

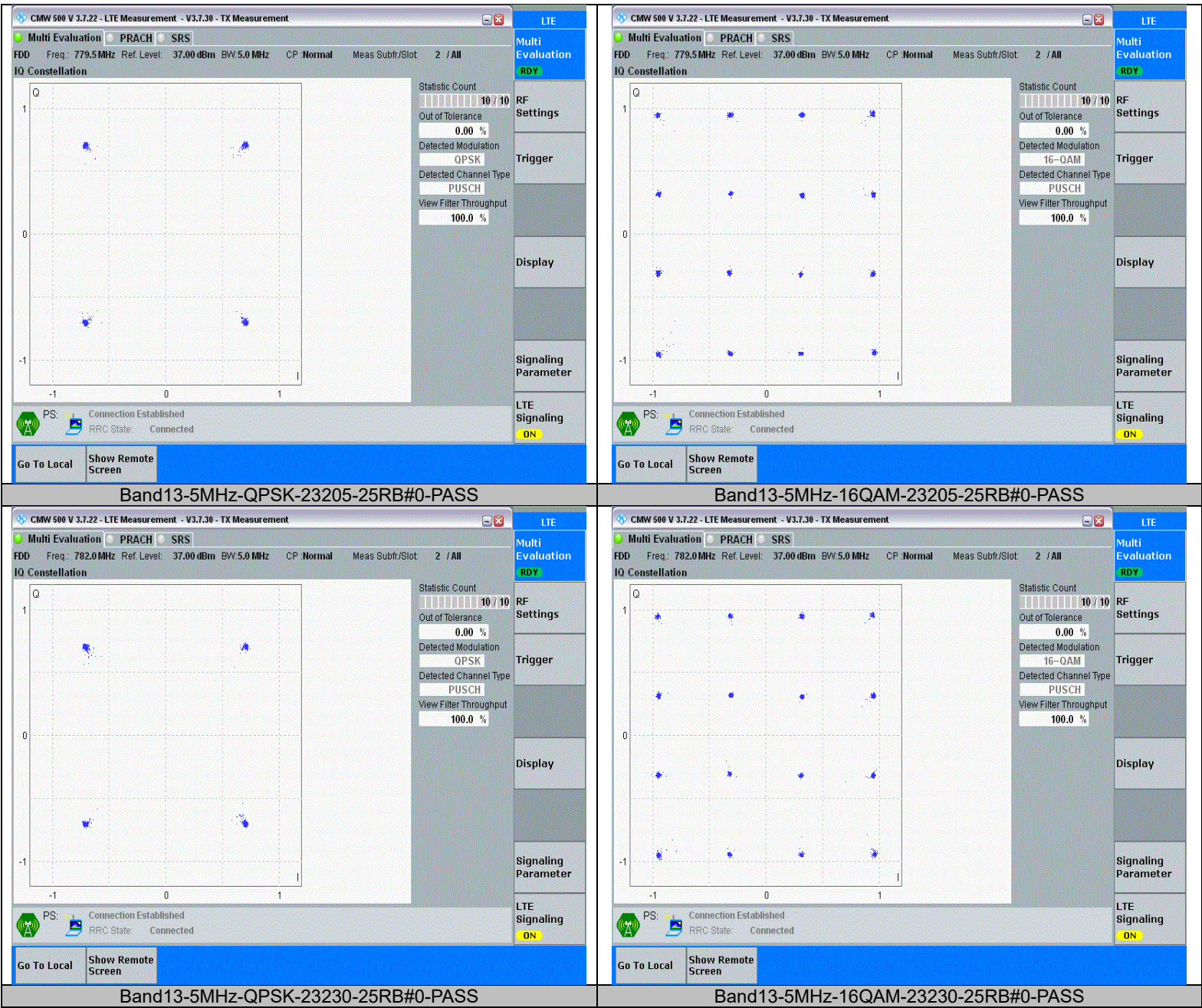
Band13	5MHz	16QAM	23230	25RB#0	NV	0	-2.22	-0.002839	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	10	-2.03	-0.002596	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	20	2.76	0.003529	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	30	-2.15	-0.002749	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	40	-2.90	-0.003708	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	50	-3.12	-0.003990	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-30	1.56	0.001989	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-20	-2.10	-0.002677	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-10	-2.79	-0.003556	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	0	2.45	0.003123	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	10	-1.73	-0.002205	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	20	2.68	0.003416	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	30	-2.49	-0.003174	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	40	-1.80	-0.002294	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	50	-2.85	-0.003633	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-30	-1.80	-0.002294	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-20	-1.30	-0.001657	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-10	2.82	0.003595	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	0	2.12	0.002702	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	10	2.92	0.003722	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	20	2.00	0.002549	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	30	-2.55	-0.003250	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	40	-3.65	-0.004653	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	50	-1.89	-0.002409	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-30	-3.02	-0.003862	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-20	-3.45	-0.004412	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-10	-1.10	-0.001407	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	0	-3.48	-0.004450	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	10	-2.56	-0.003274	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	20	-1.29	-0.001650	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	30	-1.87	-0.002391	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	40	-1.24	-0.001586	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	50	-1.67	-0.002136	±2.5	PASS

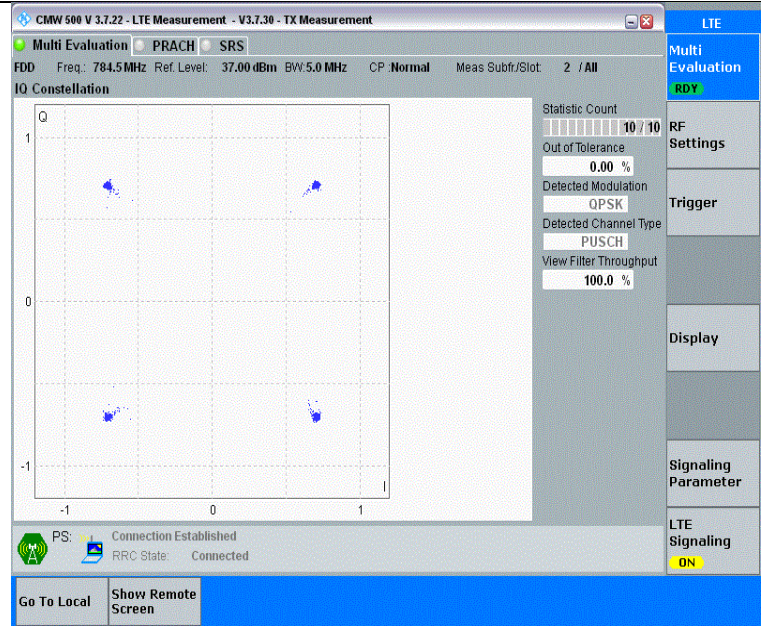
Appendix G: Modulation Characteristics

Test Result

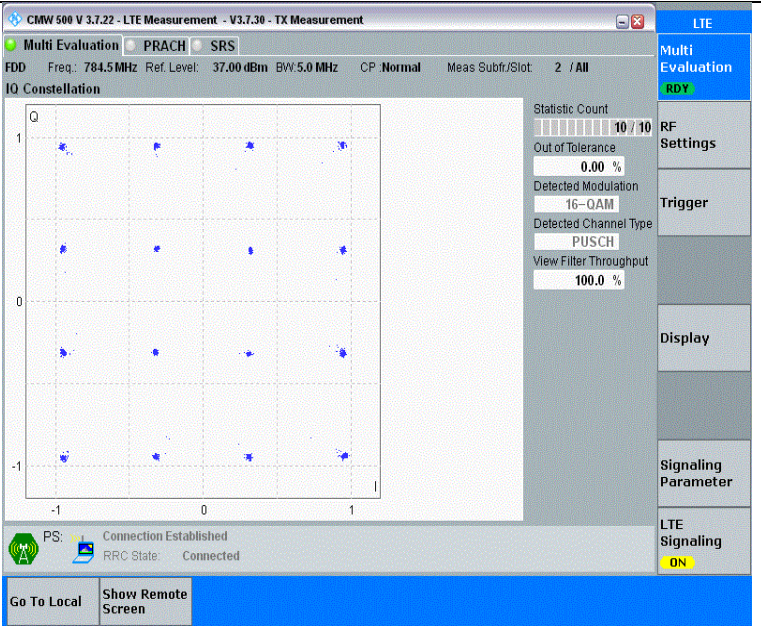
Band	Bandwidth	Modulation	Channel	RB Configuration	Verdict
Band13	5MHz	QPSK	23205	25RB#0	PASS
Band13	5MHz	16QAM	23205	25RB#0	PASS
Band13	5MHz	QPSK	23230	25RB#0	PASS
Band13	5MHz	16QAM	23230	25RB#0	PASS
Band13	5MHz	QPSK	23255	25RB#0	PASS
Band13	5MHz	16QAM	23255	25RB#0	PASS
Band13	10MHz	QPSK	23230	50RB#0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

Test Graphs

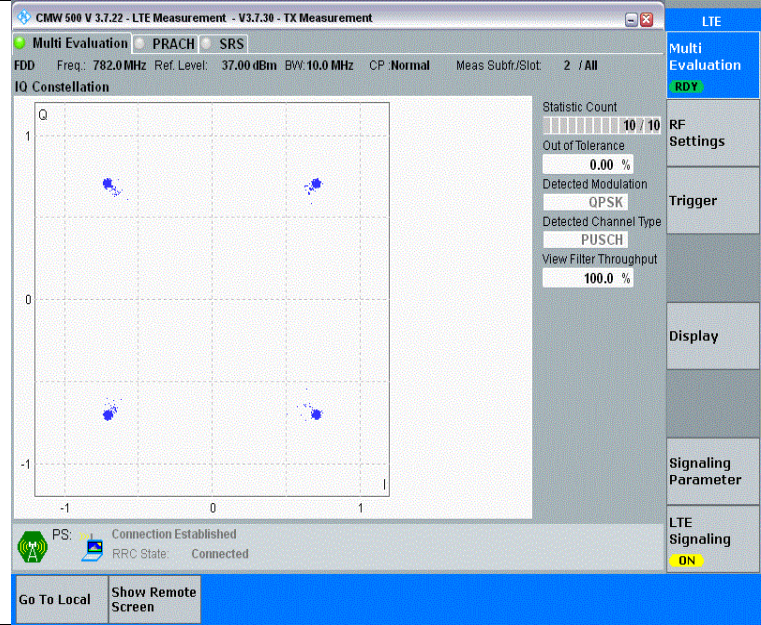




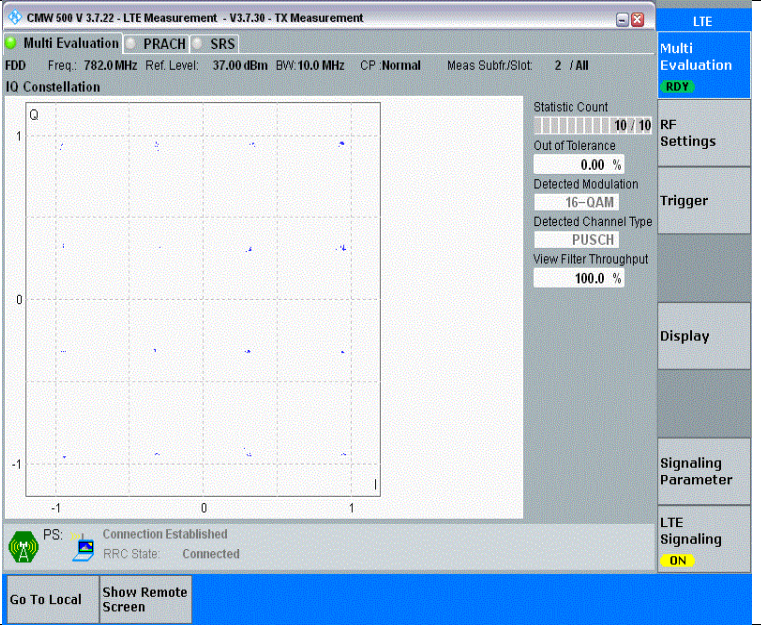
Band13-5MHz-QPSK-23255-25RB#0-PASS



Band13-5MHz-16QAM-23255-25RB#0-PASS



Band13-10MHz-QPSK-23230-50RB#0-PASS



Band13-10MHz-16QAM-23230-1RB#0-PASS