

Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	24.05	23.9	PASS
Band13	5MHz	QPSK	23205	1RB#12	24.38	24.23	PASS
Band13	5MHz	QPSK	23205	1RB#24	24.18	24.03	PASS
Band13	5MHz	QPSK	23205	12RB#0	23.00	22.85	PASS
Band13	5MHz	QPSK	23205	12RB#6	23.01	22.86	PASS
Band13	5MHz	QPSK	23205	12RB#13	23.19	23.04	PASS
Band13	5MHz	QPSK	23205	25RB#0	23.18	23.03	PASS
Band13	5MHz	QPSK	23230	1RB#0	24.19	24.04	PASS
Band13	5MHz	QPSK	23230	1RB#12	24.27	24.12	PASS
Band13	5MHz	QPSK	23230	1RB#24	24.01	23.86	PASS
Band13	5MHz	QPSK	23230	12RB#0	23.23	23.08	PASS
Band13	5MHz	QPSK	23230	12RB#6	23.17	23.02	PASS
Band13	5MHz	QPSK	23230	12RB#13	23.15	23	PASS
Band13	5MHz	QPSK	23230	25RB#0	23.18	23.03	PASS
Band13	5MHz	QPSK	23255	1RB#0	24.23	24.08	PASS
Band13	5MHz	QPSK	23255	1RB#12	24.15	24	PASS
Band13	5MHz	QPSK	23255	1RB#24	23.82	23.67	PASS
Band13	5MHz	QPSK	23255	12RB#0	23.07	22.92	PASS
Band13	5MHz	QPSK	23255	12RB#6	23.08	22.93	PASS
Band13	5MHz	QPSK	23255	12RB#13	22.91	22.76	PASS
Band13	5MHz	QPSK	23255	25RB#0	22.96	22.81	PASS
Band13	5MHz	16QAM	23205	1RB#0	23.07	22.92	PASS
Band13	5MHz	16QAM	23205	1RB#12	23.38	23.23	PASS
Band13	5MHz	16QAM	23205	1RB#24	23.22	23.07	PASS
Band13	5MHz	16QAM	23205	12RB#0	22.05	21.9	PASS
Band13	5MHz	16QAM	23205	12RB#6	22.08	21.93	PASS
Band13	5MHz	16QAM	23205	12RB#13	22.24	22.09	PASS
Band13	5MHz	16QAM	23205	25RB#0	22.18	22.03	PASS
Band13	5MHz	16QAM	23230	1RB#0	23.21	23.06	PASS
Band13	5MHz	16QAM	23230	1RB#12	23.55	23.4	PASS

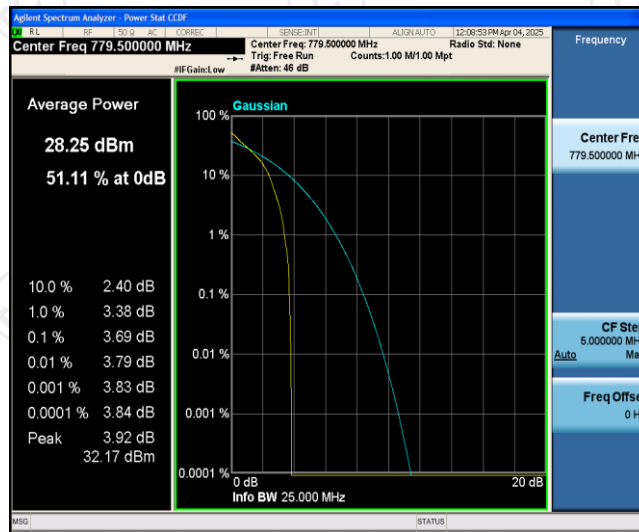
Band13	5MHz	16QAM	23230	1RB#24	23.22	23.07	PASS
Band13	5MHz	16QAM	23230	12RB#0	22.21	22.06	PASS
Band13	5MHz	16QAM	23230	12RB#6	22.23	22.08	PASS
Band13	5MHz	16QAM	23230	12RB#13	22.17	22.02	PASS
Band13	5MHz	16QAM	23230	25RB#0	22.21	22.06	PASS
Band13	5MHz	16QAM	23255	1RB#0	23.17	23.02	PASS
Band13	5MHz	16QAM	23255	1RB#12	23.15	23	PASS
Band13	5MHz	16QAM	23255	1RB#24	23.14	22.99	PASS
Band13	5MHz	16QAM	23255	12RB#0	22.12	21.97	PASS
Band13	5MHz	16QAM	23255	12RB#6	22.17	22.02	PASS
Band13	5MHz	16QAM	23255	12RB#13	22.00	21.85	PASS
Band13	5MHz	16QAM	23255	25RB#0	22.03	21.88	PASS

Appendix B: Peak-to-Average Ratio(CCDF)

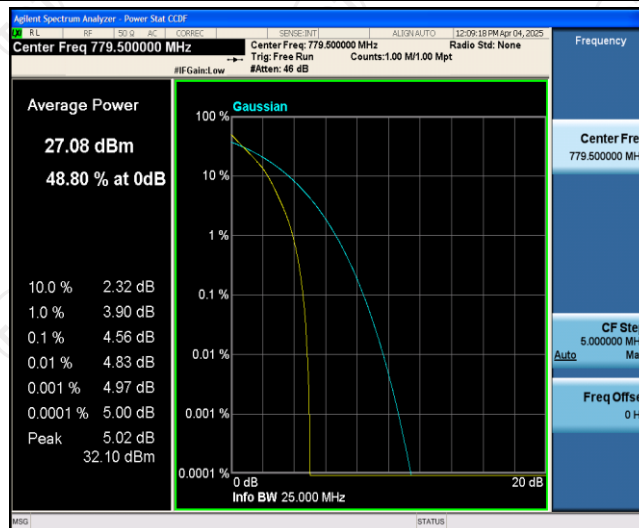
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	3.69	13	PASS
Band13	5MHz	QPSK	23205	25RB#0	4.56	13	PASS
Band13	5MHz	QPSK	23230	1RB#0	4.09	13	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.36	13	PASS
Band13	5MHz	QPSK	23255	1RB#0	3.59	13	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.11	13	PASS
Band13	5MHz	16QAM	23205	1RB#0	4.68	13	PASS
Band13	5MHz	16QAM	23205	25RB#0	5.38	13	PASS
Band13	5MHz	16QAM	23230	1RB#0	5.11	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	5.20	13	PASS
Band13	5MHz	16QAM	23255	1RB#0	4.42	13	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.97	13	PASS

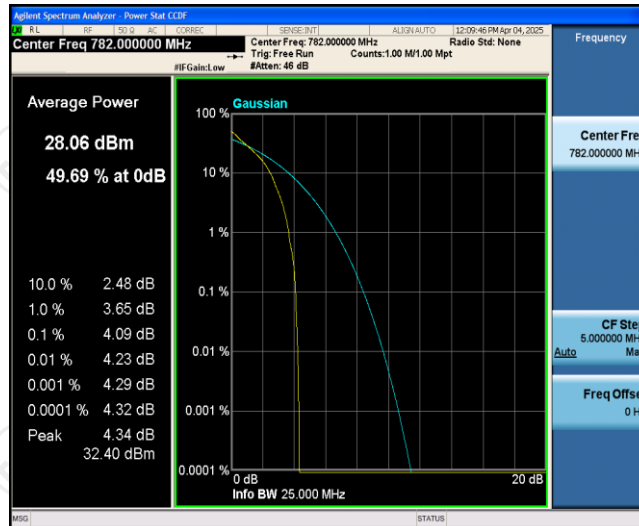
Test Graphs



Band13-5MHz-QPSK-23205-1RB#0



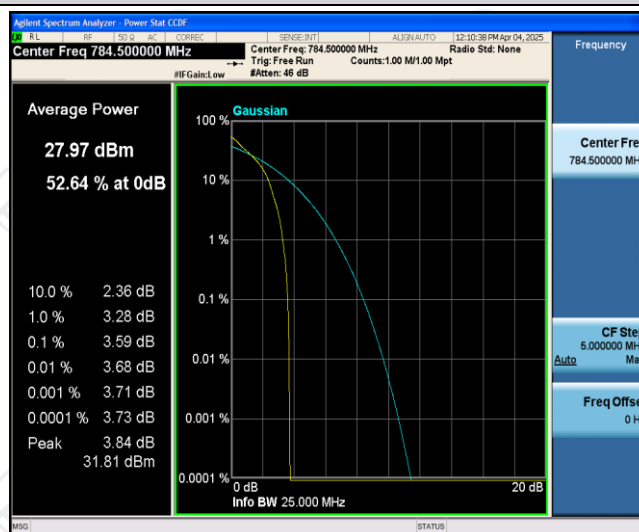
Band13-5MHz-QPSK-23205-25RB#0



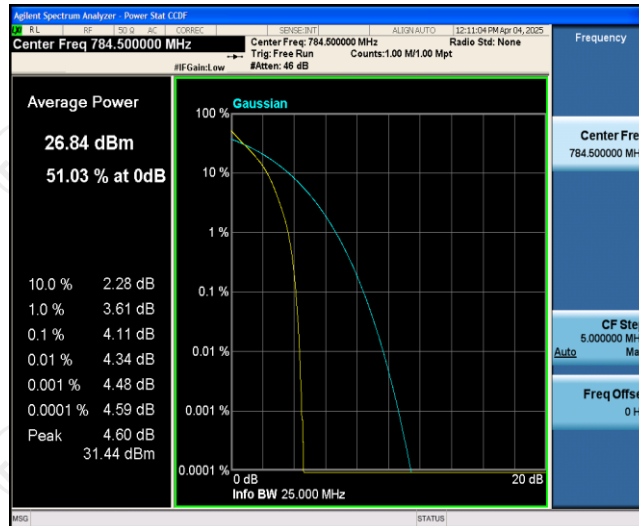
Band13-5MHz-QPSK-23230-1RB#0



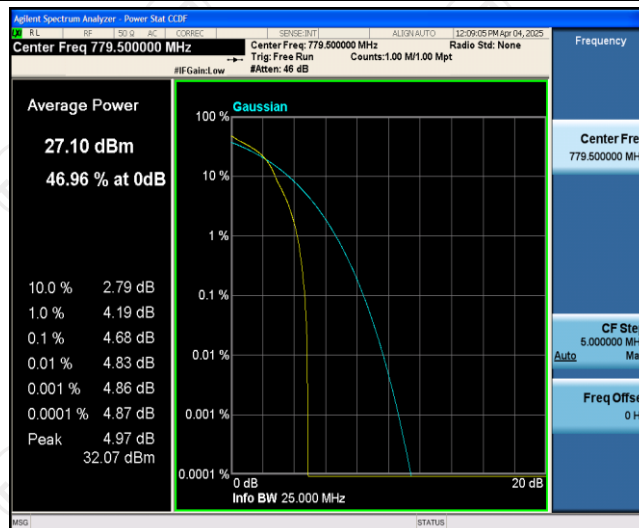
Band13-5MHz-QPSK-23230-25RB#0



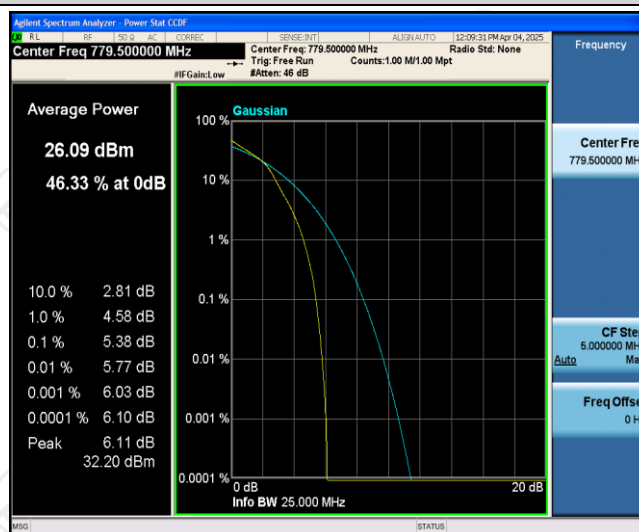
Band13-5MHz-QPSK-23255-1RB#0



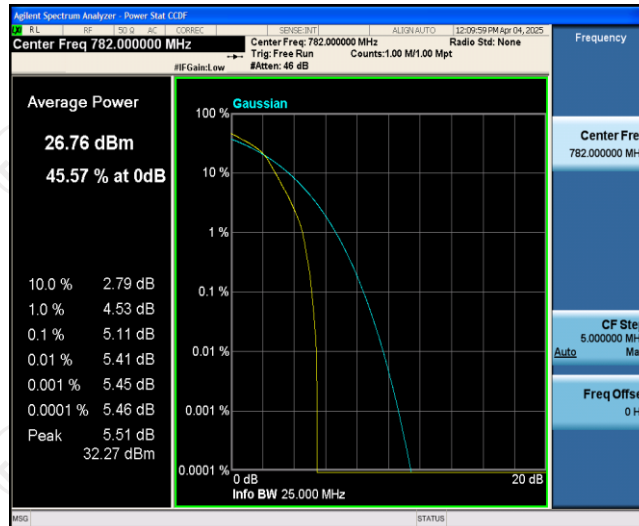
Band13-5MHz-QPSK-23255-25RB#0



Band13-5MHz-16QAM-23205-1RB#0



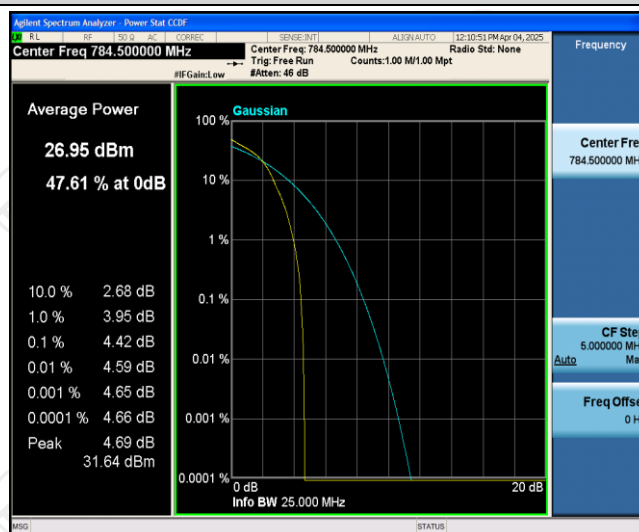
Band13-5MHz-16QAM-23205-25RB#0



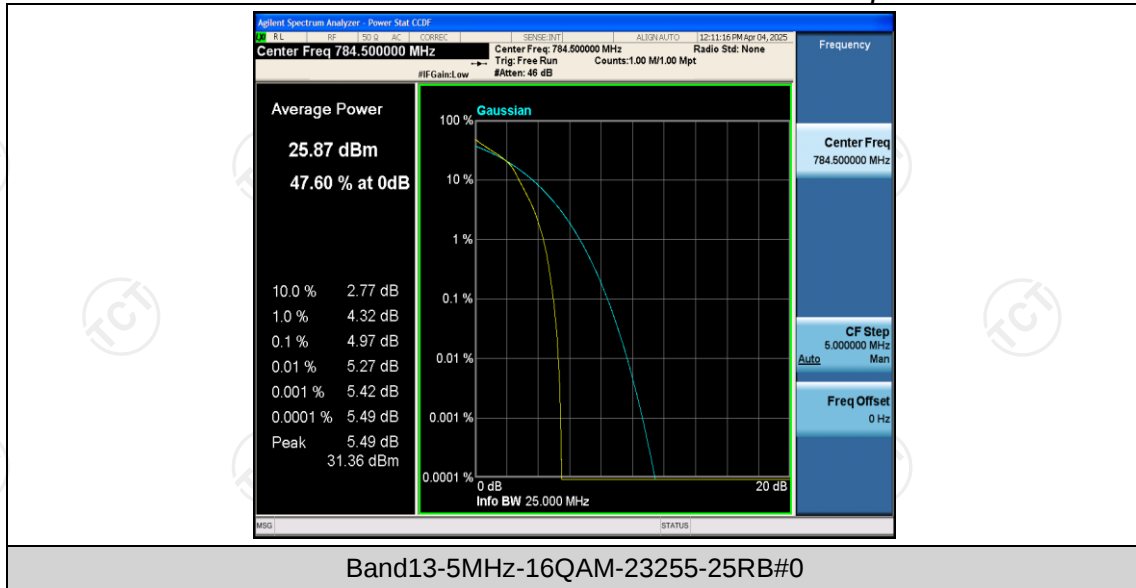
Band13-5MHz-16QAM-23230-1RB#0



Band13-5MHz-16QAM-23230-25RB#0



Band13-5MHz-16QAM-23255-1RB#0



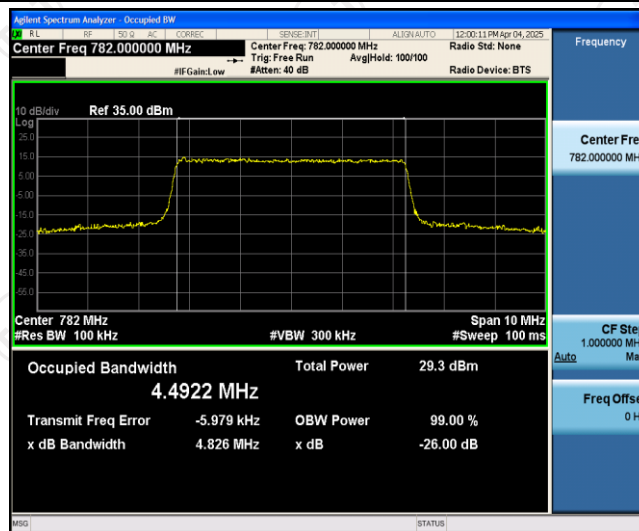
Appendix C: 26dB Bandwidth and Occupied Bandwidth**Test Result**

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.5004	4.862	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.4922	4.826	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.5023	4.844	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.5007	4.838	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.4949	4.846	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.5075	4.845	PASS

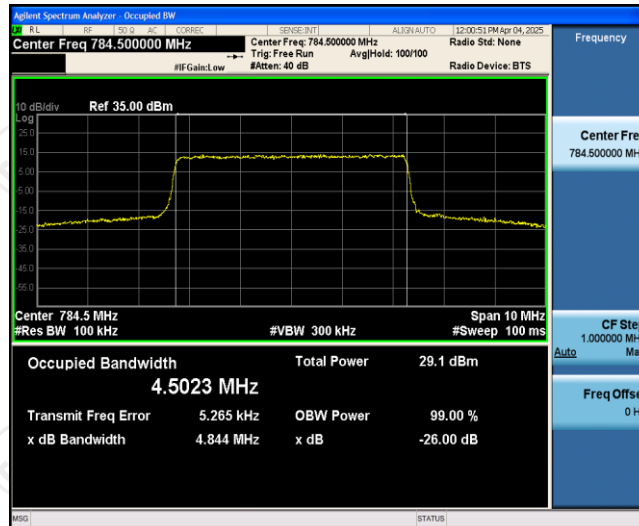
Test Graphs



Band13-5MHz-QPSK-23205-25RB#0



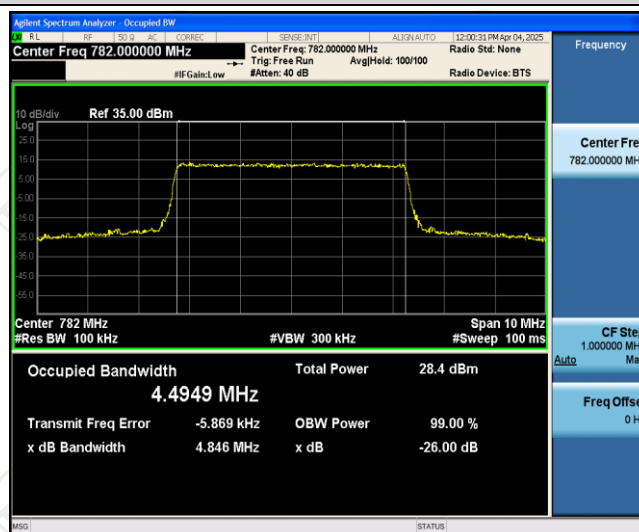
Band13-5MHz-QPSK-23230-25RB#0



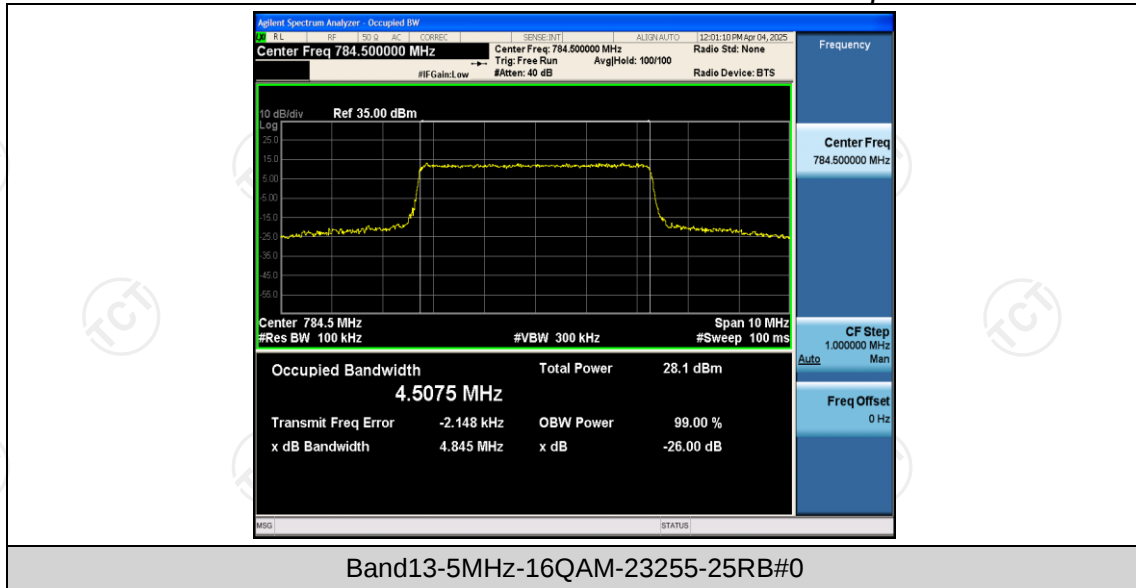
Band13-5MHz-QPSK-23255-25RB#0



Band13-5MHz-16QAM-23205-25RB#0



Band13-5MHz-16QAM-23230-25RB#0

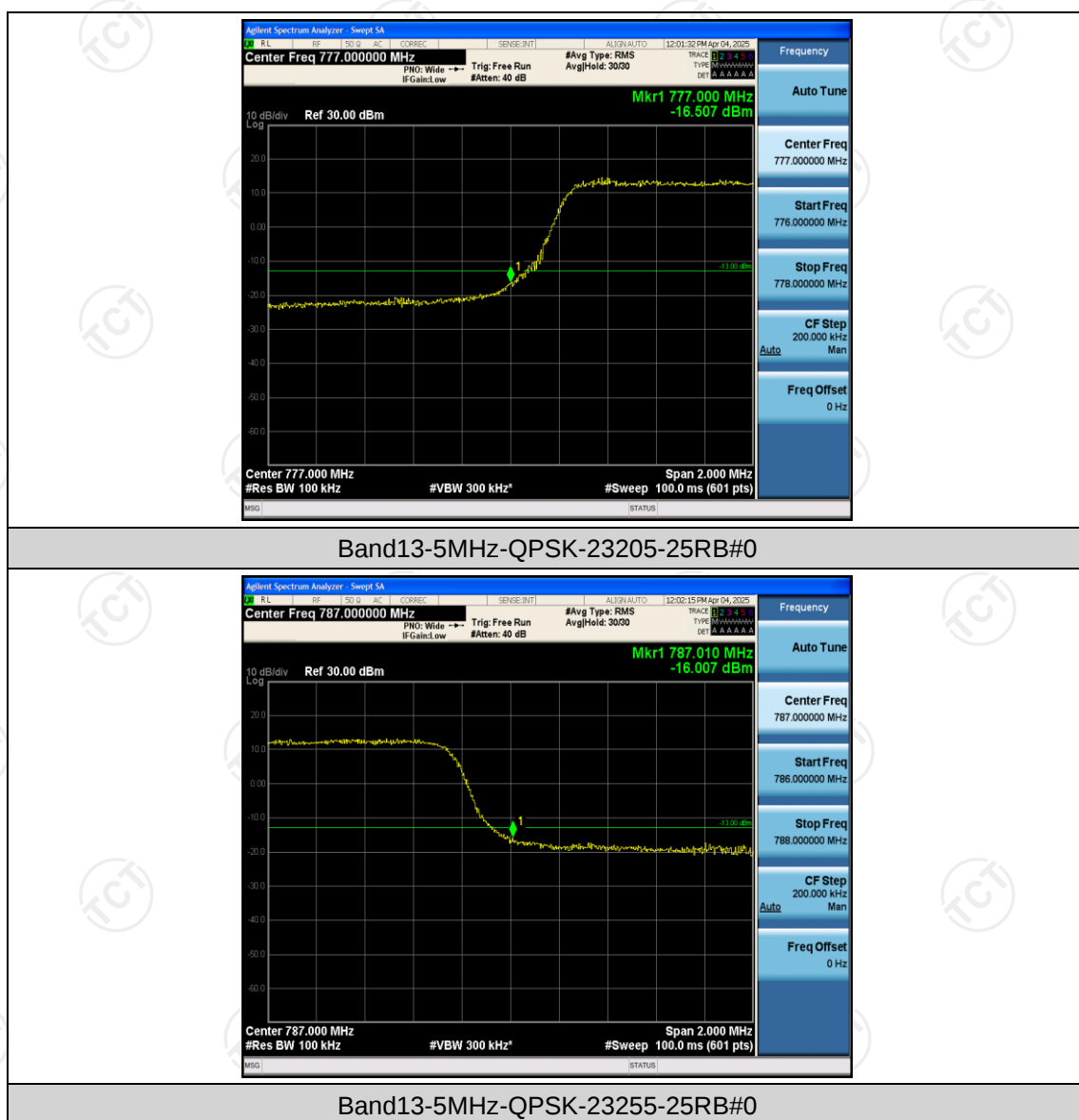


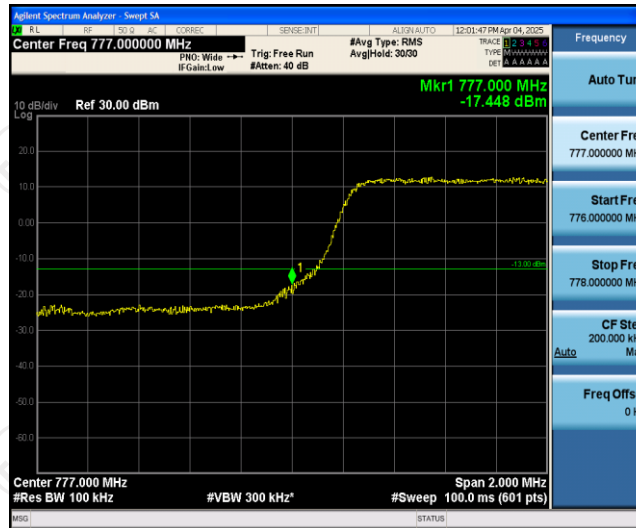
Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	-16.51	PASS
Band13	5MHz	QPSK	23255	25RB#0	-16.01	PASS
Band13	5MHz	16QAM	23205	25RB#0	-17.45	PASS
Band13	5MHz	16QAM	23255	25RB#0	-17.22	PASS

Test Graphs





Band13-5MHz-16QAM-23205-25RB#0



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

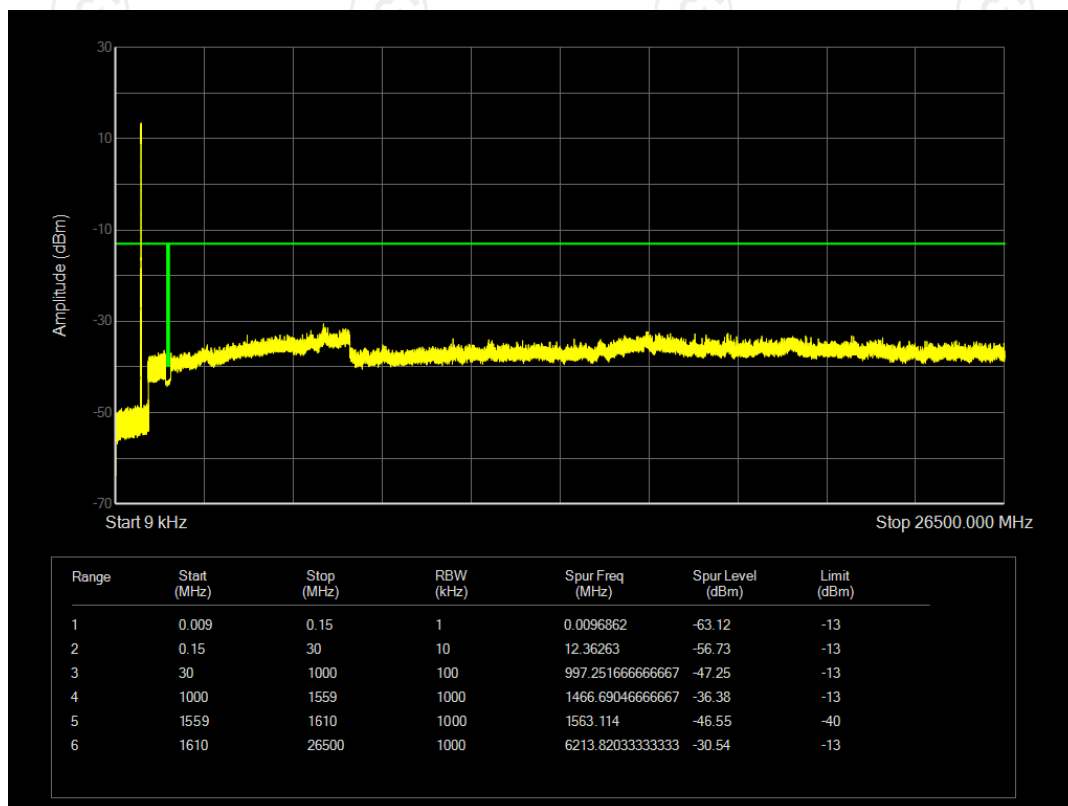
Appendix E: Conducted Spurious Emission

Test Result

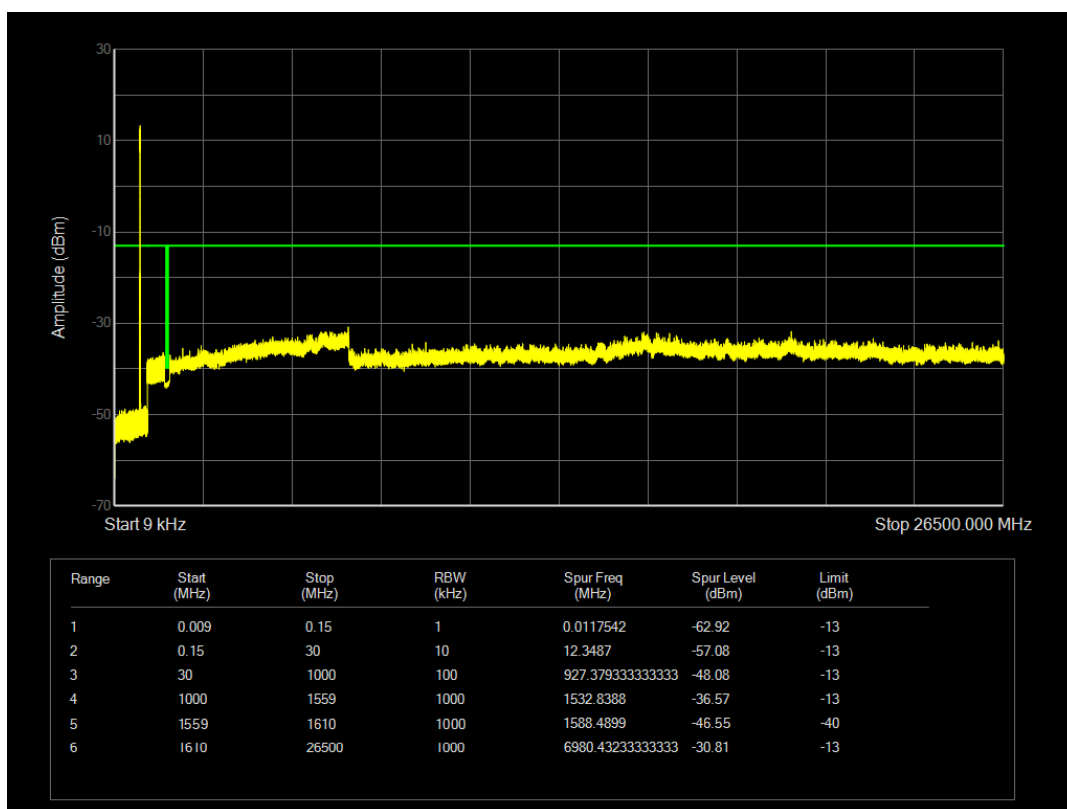
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band13	5	23205	25	#0	QPSK	1563.11	-46.55	-40	PASS
Band13	5	23205	25	#0	16QAM	1588.49	-46.55	-40	PASS
Band13	5	23230	25	#0	QPSK	1560.20	-44.87	-40	PASS
Band13	5	23230	25	#0	16QAM	1559.98	-46.04	-40	PASS
Band13	5	23255	25	#0	QPSK	1587.14	-45.58	-40	PASS
Band13	5	23255	25	#0	16QAM	1597.63	-46.25	-40	PASS
Band13	10	23230	50	#0	QPSK	1591.51	-46.29	-40	PASS
Band13	10	23230	50	#0	16QAM	1583.65	-46.69	-40	PASS

Test Graphs

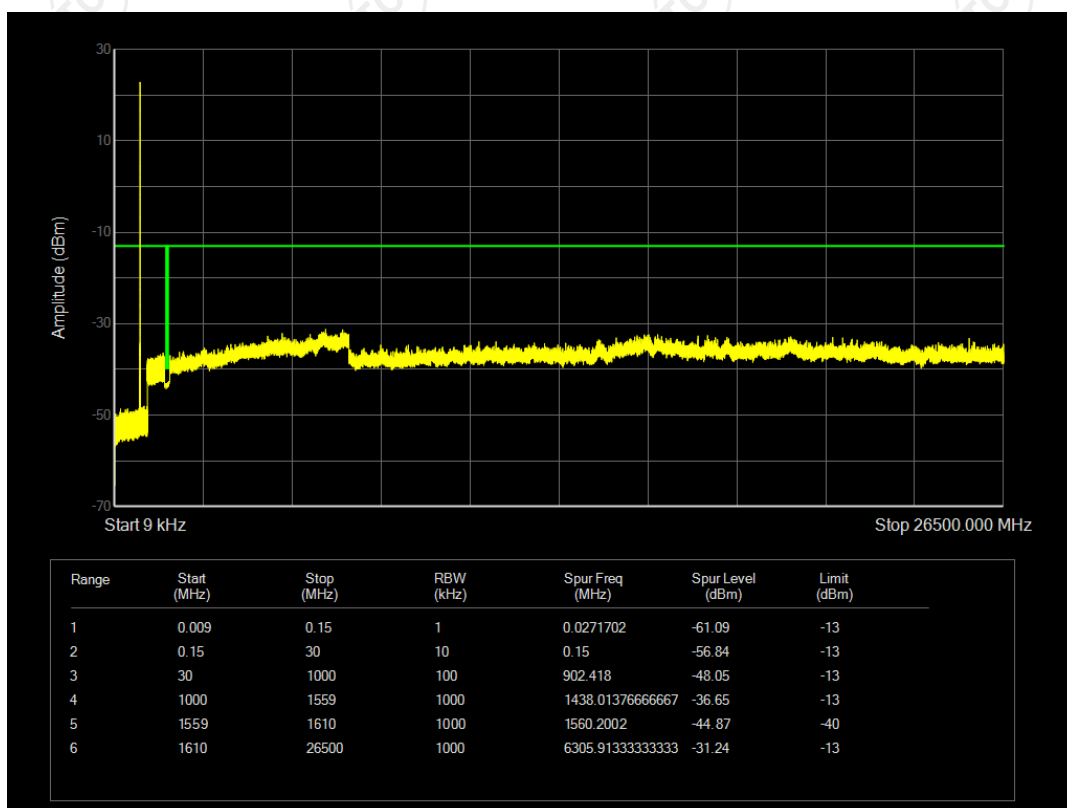
Band13 QPSK BW=5MHz Channel=23205 RB Size=25 Position=#0



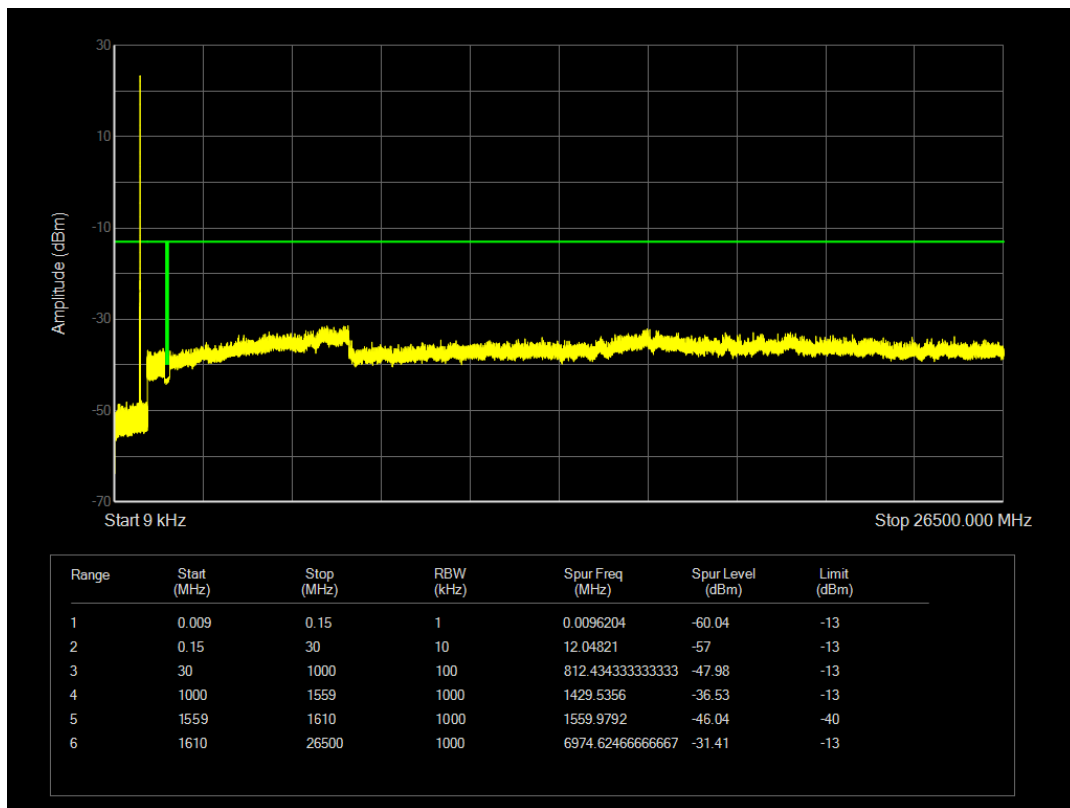
Band13 16QAM BW=5MHz Channel=23205 RB Size=25 Position=#0



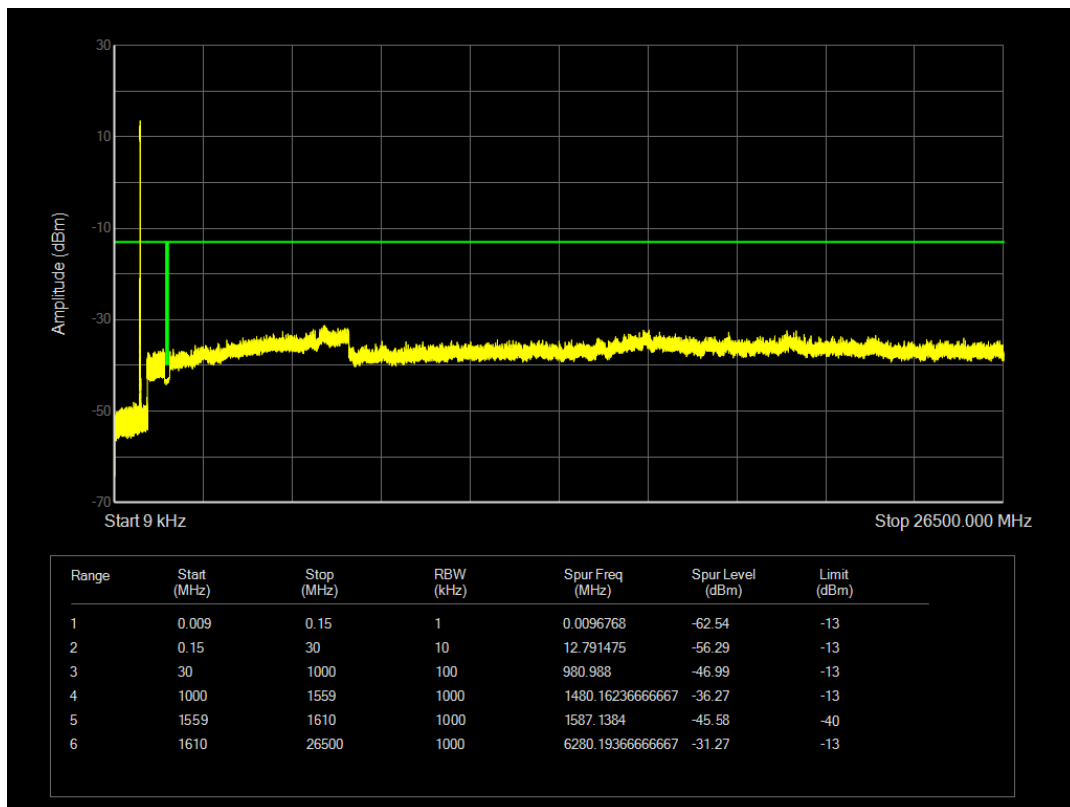
Band13 QPSK BW=5MHz Channel=23230 RB Size=25 Position=#0



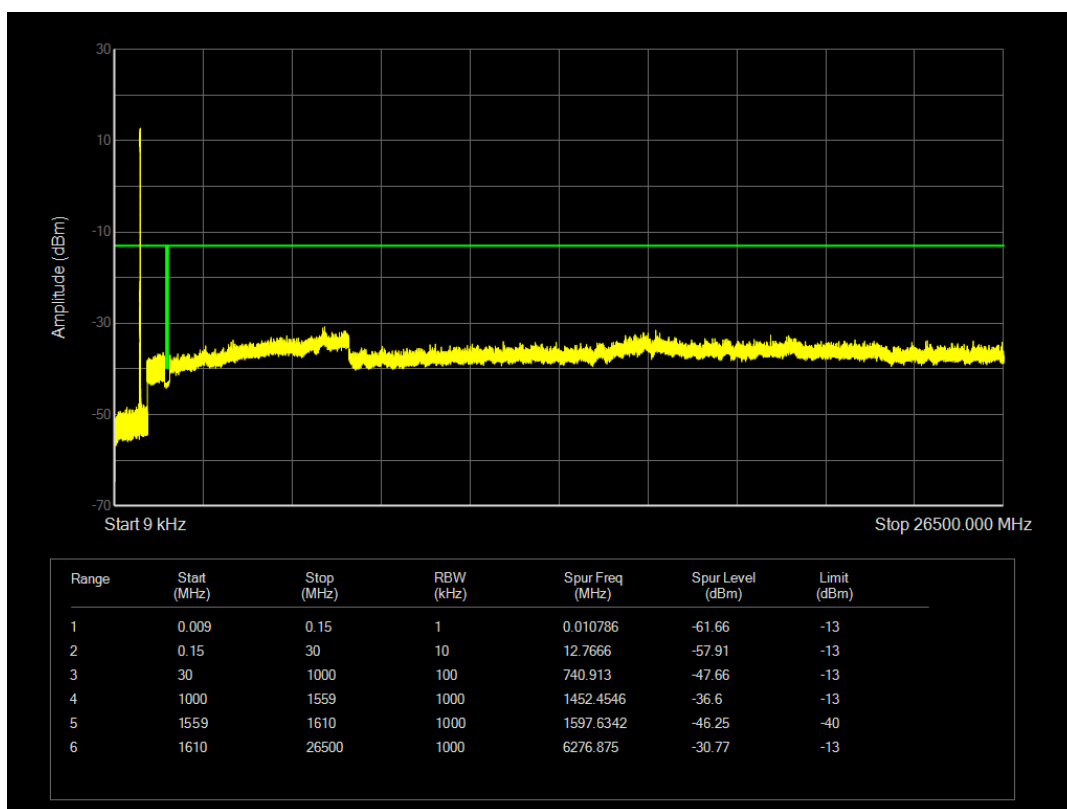
Band13 16QAM BW=5MHz Channel=23230 RB Size=25 Position=#0



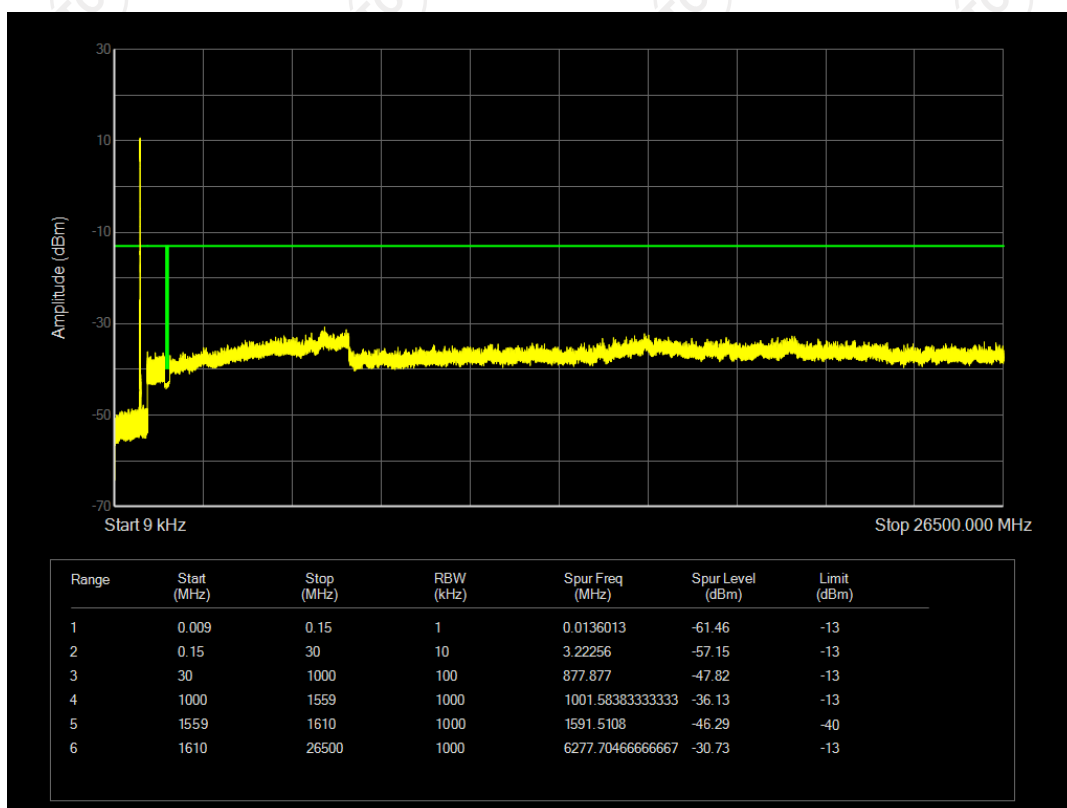
Band13 QPSK BW=5MHz Channel=23255 RB Size=25 Position=#0



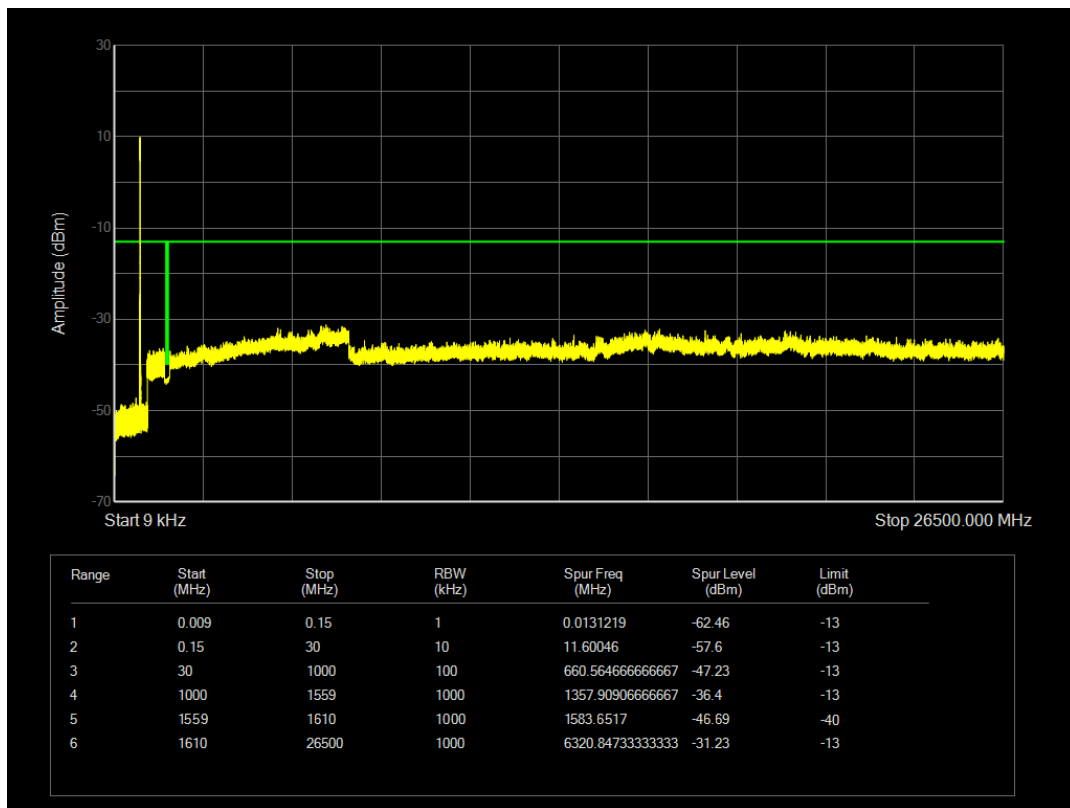
Band13 16QAM BW=5MHz Channel=23255 RB Size=25 Position=#0



Band13 QPSK BW=10MHz Channel=23230 RB Size=50 Position=#0



Band13 16QAM BW=10MHz Channel=23230 RB Size=50 Position=#0



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	VL	NT	-4.94	-0.006337	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	VN	NT	-4.05	-0.005196	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	VH	NT	4.03	0.005170	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VL	NT	2.85	0.003645	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VN	NT	-4.65	-0.005946	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VH	NT	-6.64	-0.008491	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VL	NT	3.46	0.004410	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VN	NT	8.02	0.010223	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VH	NT	-5.12	-0.006526	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VL	NT	-8.04	-0.010314	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VN	NT	-6.04	-0.007749	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VH	NT	2.33	0.002989	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VL	NT	-6.81	-0.008708	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VN	NT	-2.46	-0.003146	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VH	NT	2.53	0.003235	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VL	NT	2.39	0.003047	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VN	NT	-6.32	-0.008056	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VH	NT	-5.19	-0.006616	±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	4.49	0.005760	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-20	-4.19	-0.005375	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	0	-1.67	-0.002142	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	10	-5.82	-0.007466	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	20	-7.07	-0.009070	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-30	3.50	0.004476	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-20	-6.61	-0.008453	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	0	4.98	0.006368	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	10	-5.42	-0.006931	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	20	3.56	0.004552	±2.5	PASS

Band13	5MHz	QPSK	23255	25RB#0	NV	-30	2.16	0.002753	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-20	-4.45	-0.005672	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	0	-5.54	-0.007062	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	10	4.73	0.006029	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	20	-4.83	-0.006157	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-30	-3.69	-0.004734	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-20	-5.24	-0.006722	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	0	-4.09	-0.005247	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	10	-3.96	-0.005080	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	20	-9.63	-0.012354	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-30	-4.82	-0.006164	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-20	-4.64	-0.005934	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	0	-2.96	-0.003785	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	10	-5.41	-0.006918	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	20	3.57	0.004565	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-30	-4.56	-0.005813	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-20	-5.49	-0.006998	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	0	4.19	0.005341	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	10	3.88	0.004946	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	20	-5.25	-0.006692	±2.5	PASS