Appendix for Band 13

Product Name: Covert Wireless Trail Camera
Model No: WC20

Appendix A: Average Power Output Data for M1

Test Result

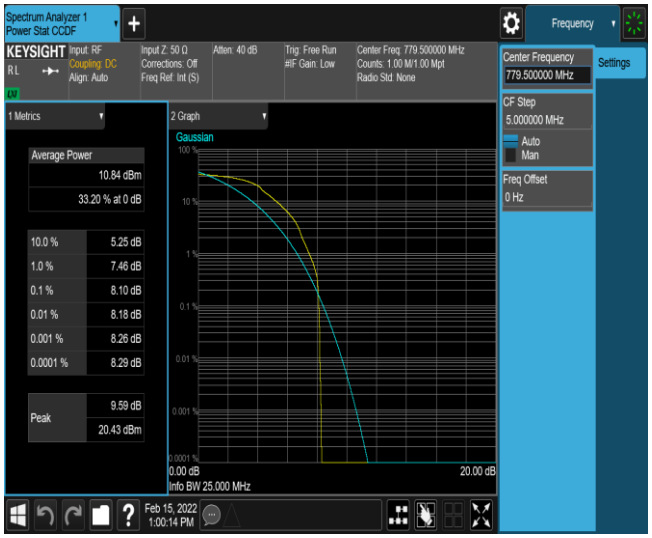
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	Result(dBm)	Verdict
Band13	5MHz	23205	QPSK	1	0	22.37	PASS
Band13	5MHz	23205	QPSK	1	5	22.03	PASS
Band13	5MHz	23205	QPSK	6	0	21.10	PASS
Band13	5MHz	23230	QPSK	1	0	22.64	PASS
Band13	5MHz	23230	QPSK	1	5	22.49	PASS
Band13	5MHz	23230	QPSK	6	0	21.38	PASS
Band13	5MHz	23255	QPSK	1	0	22.43	PASS
Band13	5MHz	23255	QPSK	1	5	21.94	PASS
Band13	5MHz	23255	QPSK	6	0	20.93	PASS
Band13	5MHz	23205	16QAM	1	0	22.14	PASS
Band13	5MHz	23205	16QAM	1	5	21.48	PASS
Band13	5MHz	23205	16QAM	6	0	21.10	PASS
Band13	5MHz	23230	16QAM	1	0	22.50	PASS
Band13	5MHz	23230	16QAM	1	5	22.57	PASS
Band13	5MHz	23230	16QAM	6	0	21.19	PASS
Band13	5MHz	23255	16QAM	1	0	22.24	PASS
Band13	5MHz	23255	16QAM	1	5	21.78	PASS
Band13	5MHz	23255	16QAM	6	0	21.11	PASS
Band13	10MHz	23230	QPSK	1	0	22.73	PASS
Band13	10MHz	23230	QPSK	1	5	22.21	PASS
Band13	10MHz	23230	QPSK	6	0	21.08	PASS
Band13	10MHz	23230	16QAM	1	0	22.35	PASS
Band13	10MHz	23230	16QAM	1	5	22.18	PASS
Band13	10MHz	23230	16QAM	6	0	21.03	PASS

Appendix B: Peak-to-Average Ratio(CCDF) for M1

Test Result

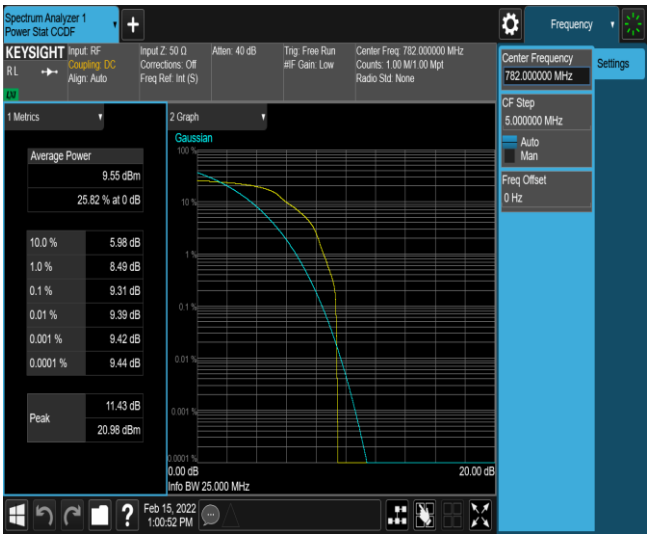
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	Result(dB)	Limit(dB)	Verdict
Band13	5MHz	23205	QPSK	1	0	8.10	<=13	PASS
Band13	5MHz	23205	QPSK	6	0	9.75	<=13	PASS
Band13	5MHz	23230	QPSK	1	0	9.31	<=13	PASS
Band13	5MHz	23230	QPSK	6	0	9.21	<=13	PASS
Band13	5MHz	23255	QPSK	1	0	9.93	<=13	PASS
Band13	5MHz	23255	QPSK	6	0	8.47	<=13	PASS
Band13	5MHz	23205	16QAM	1	0	10.18	<=13	PASS
Band13	5MHz	23205	16QAM	6	0	9.91	<=13	PASS
Band13	5MHz	23230	16QAM	1	0	9.87	<=13	PASS
Band13	5MHz	23230	16QAM	6	0	9.45	<=13	PASS
Band13	5MHz	23255	16QAM	1	0	9.40	<=13	PASS
Band13	5MHz	23255	16QAM	6	0	10.66	<=13	PASS
Band13	10MHz	23230	QPSK	1	0	8.52	<=13	PASS
Band13	10MHz	23230	QPSK	6	0	10.73	<=13	PASS
Band13	10MHz	23230	16QAM	1	0	8.79	<=13	PASS
Band13	10MHz	23230	16QAM	6	0	9.70	<=13	PASS

Test Graphs



Band13-5MHz-QPSK-23205-1-0-Low-8.10-<=13-PASS

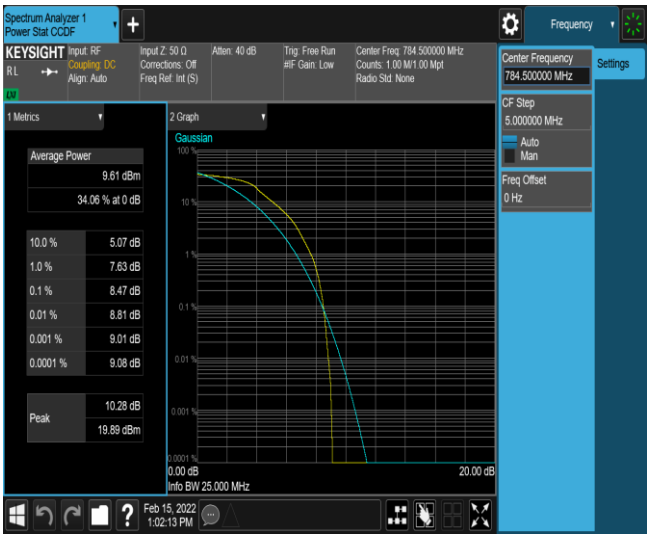
Band13-5MHz-QPSK-23205-6-0-Low-9.75-<=13-PASS



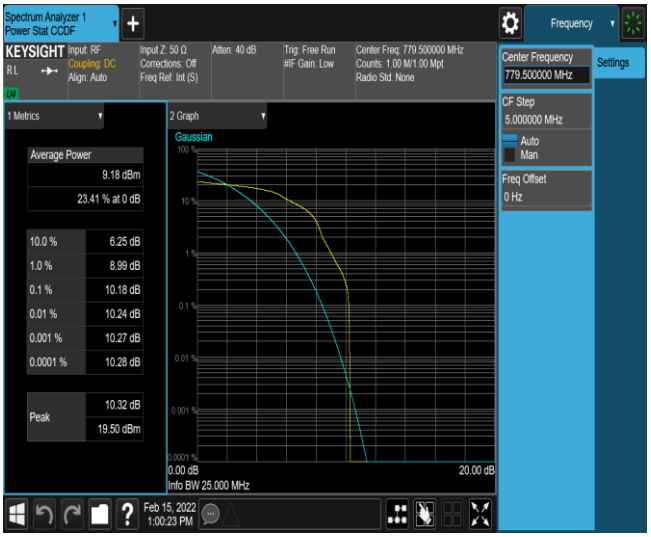
Band13-5MHz-QPSK-23230-1-0-Low-9.31-<=13-PASS

Band13-5MHz-QPSK-23230-6-0-Low-9.21-<=13-PASS

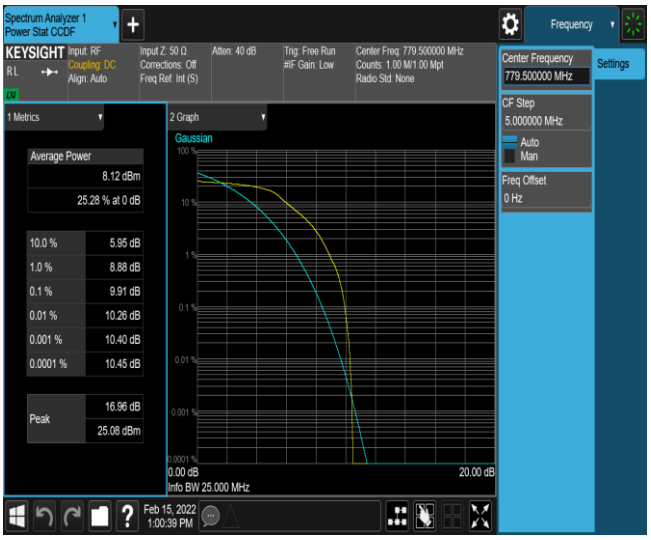
Band13-5MHz-QPSK-23255-1-0-High-9.93-<=13-PASS



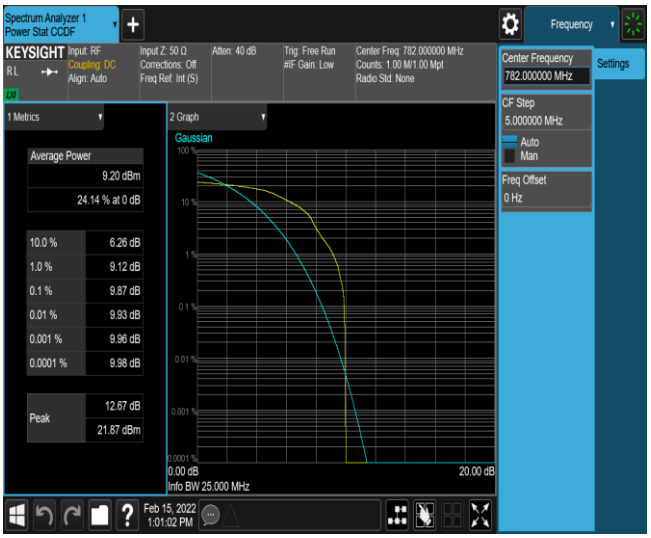
Band13-5MHz-QPSK-23255-6-0-High-8.47-<=13-PASS



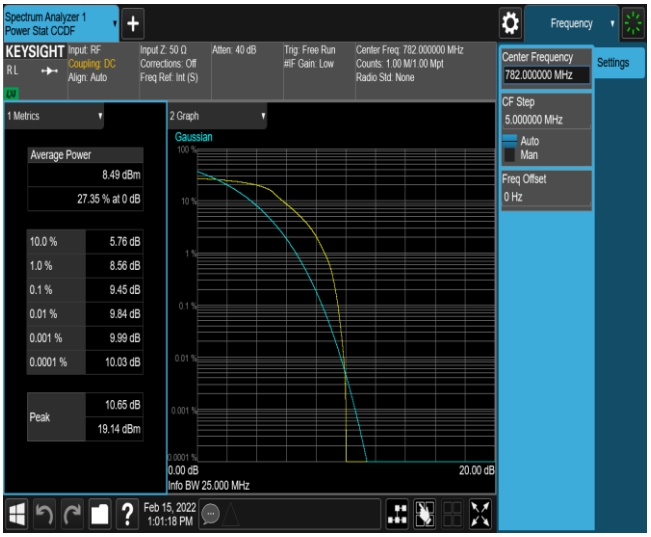
Band13-5MHz-16QAM-23205-1-0-Low-10.18-<=13-PASS



Band13-5MHz-16QAM-23205-6-0-Low-9.91-<=13-PASS



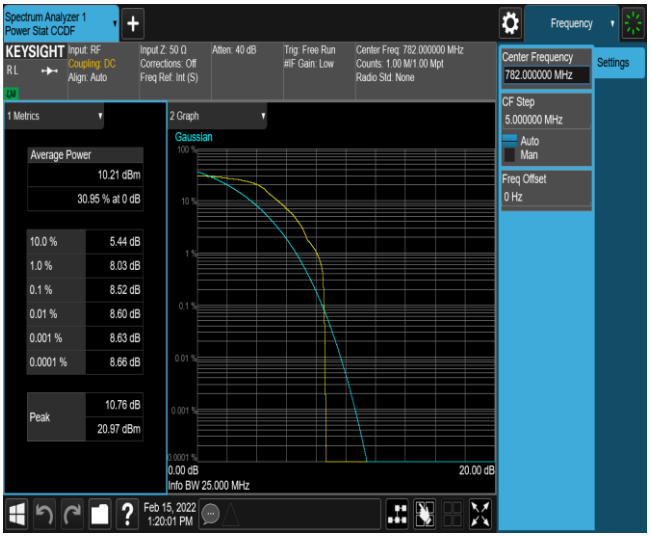
Band13-5MHz-16QAM-23230-1-0-Low-9.87-<=13-PASS



Band13-5MHz-16QAM-23230-6-0-Low-9.45-<=13-PASS

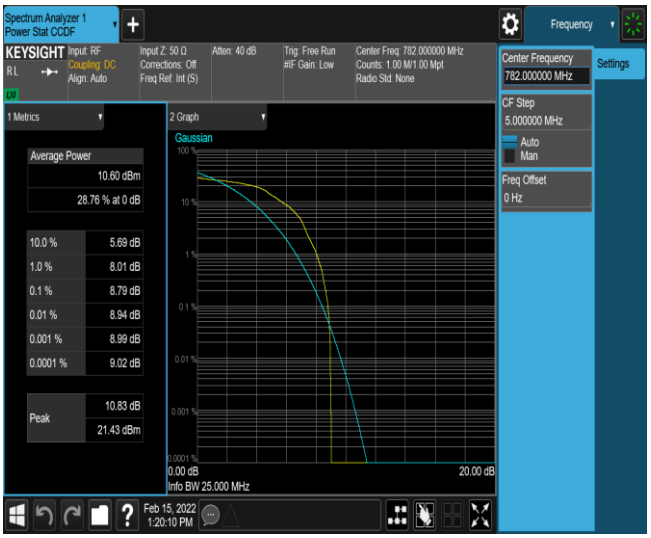
Band13-5MHz-16QAM-23255-1-0-High-9.40-<=13-PASS

Band13-5MHz-16QAM-23255-6-0-High-10.66-<=13-PASS

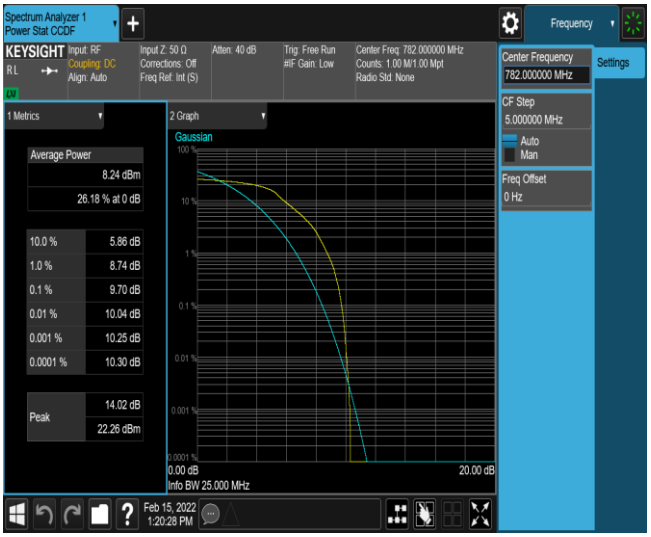


Band13-10MHz-QPSK-23230-1-0-Low-8.52-<=13-PASS

Band13-10MHz-QPSK-23230-6-0-Low-10.73-<=13-PASS



Band13-10MHz-16QAM-23230-1-0-Low-8.79-<=13-PASS



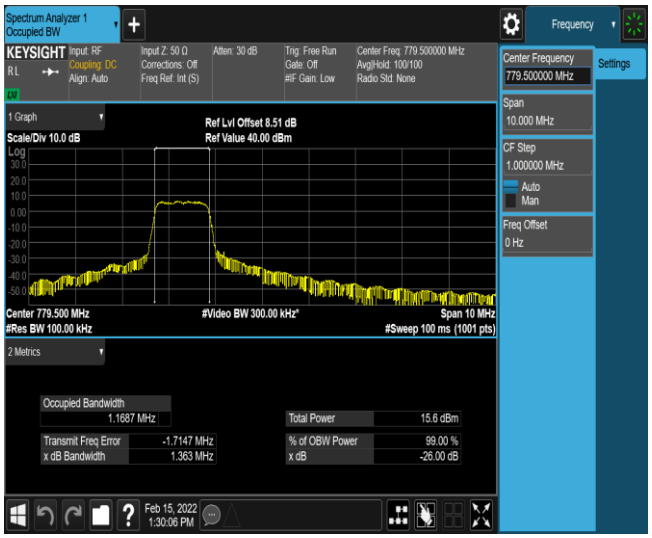
Band13-10MHz-16QAM-23230-6-0-Low-9.70-<=13-PASS

Appendix C: 26dB Bandwidth and Occupied Bandwidth for M1

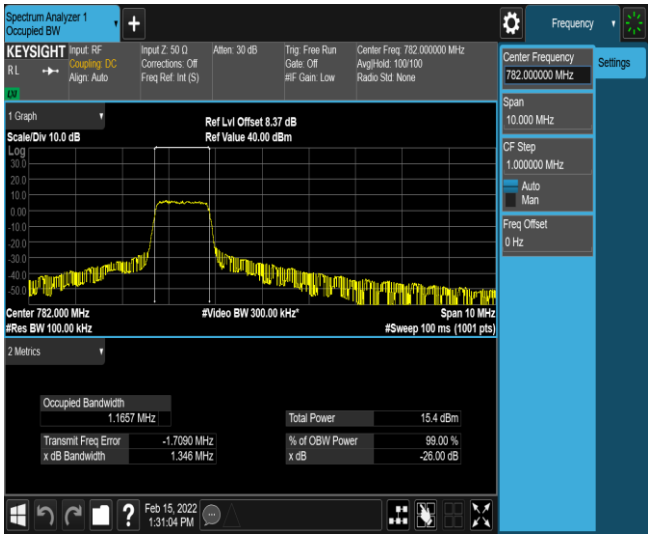
Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	23205	QPSK	6	0	1.1687	1.363	PASS
Band13	5MHz	23230	QPSK	6	0	1.1657	1.346	PASS
Band13	5MHz	23255	QPSK	6	0	1.1703	1.357	PASS
Band13	5MHz	23205	16QAM	6	0	1.1738	1.353	PASS
Band13	5MHz	23230	16QAM	6	0	1.1521	1.317	PASS
Band13	5MHz	23255	16QAM	6	0	1.1654	1.360	PASS
Band13	10MHz	23230	QPSK	6	0	1.3076	1.567	PASS
Band13	10MHz	23230	16QAM	6	0	1.2953	1.565	PASS

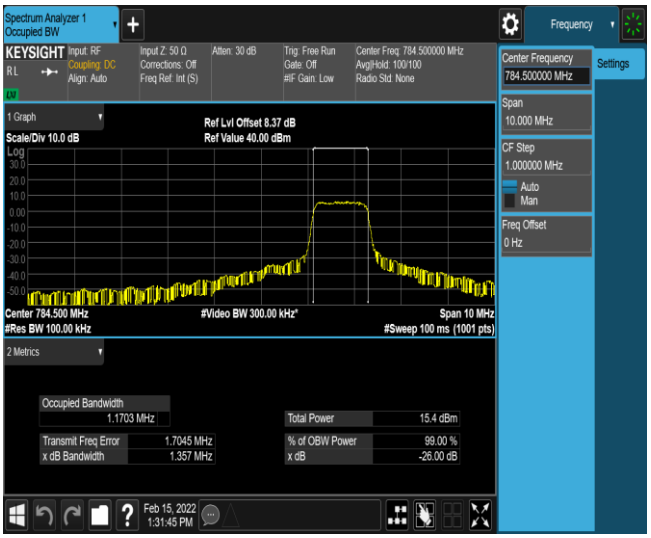
Test Graphs



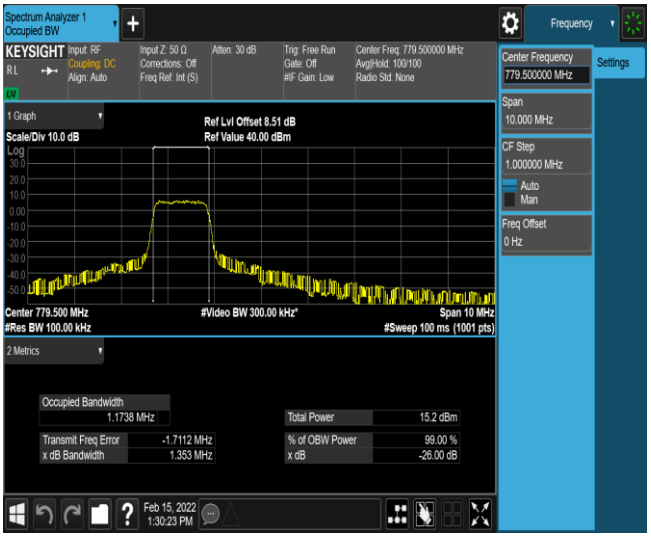
Band13-5MHz-QPSK-23205-6-0-Low-1.1687-1.363-PASS



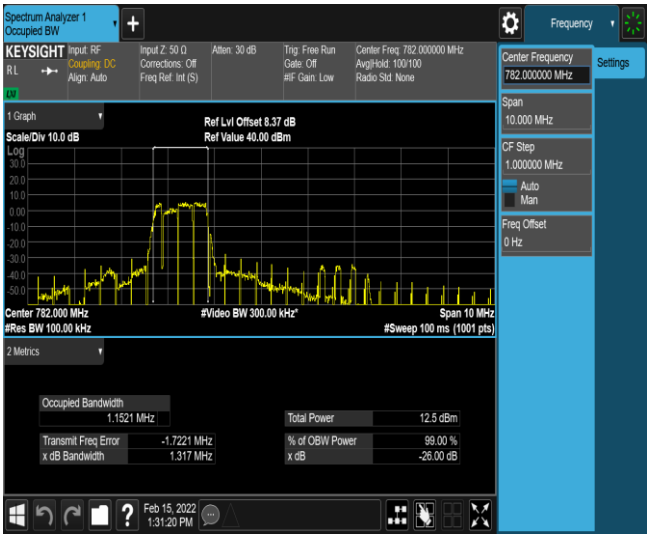
Band13-5MHz-QPSK-23230-6-0-Low-1.1657-1.346-PASS



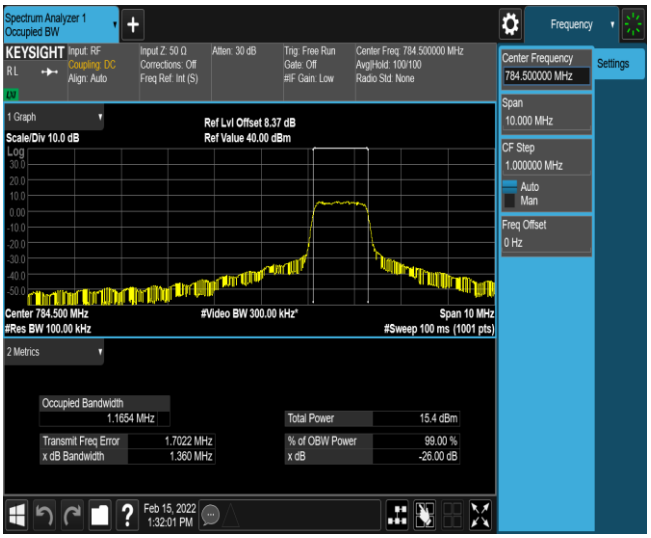
Band13-5MHz-QPSK-23255-6-0-High-1.1703-1.357-PASS



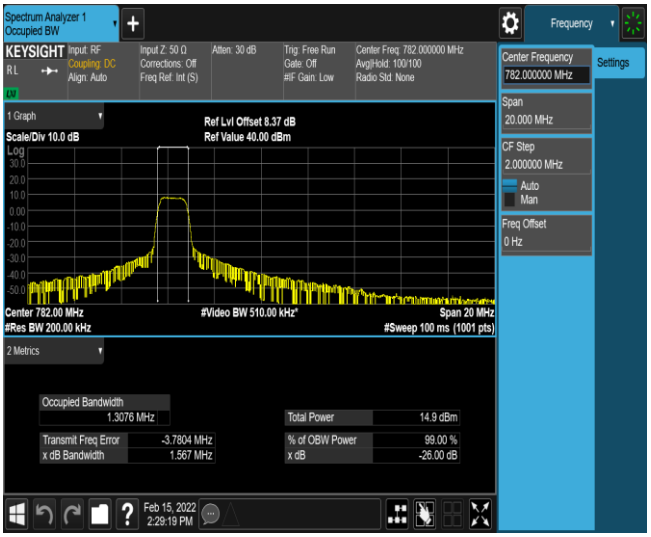
Band13-5MHz-16QAM-23205-6-0-Low-1.1738-1.353-PASS



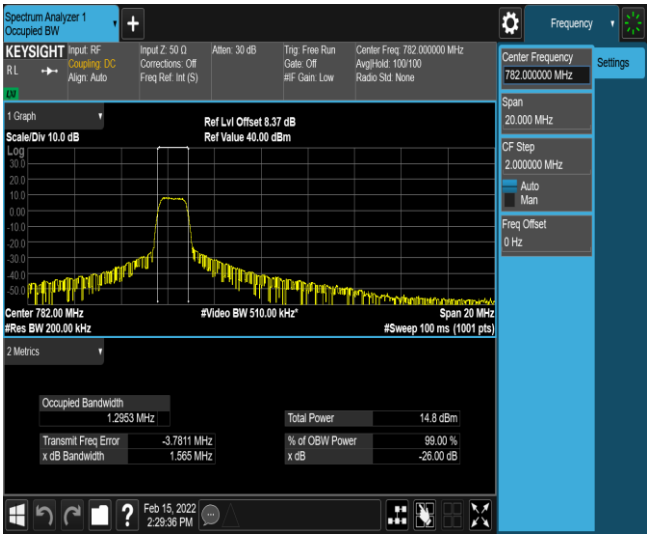
Band13-5MHz-16QAM-23230-6-0-Low-1.1521-1.317-PASS



Band13-5MHz-16QAM-23255-6-0-High-1.1654-1.360-PASS



Band13-10MHz-QPSK-23230-6-0-Low-1.3076-1.567-PASS



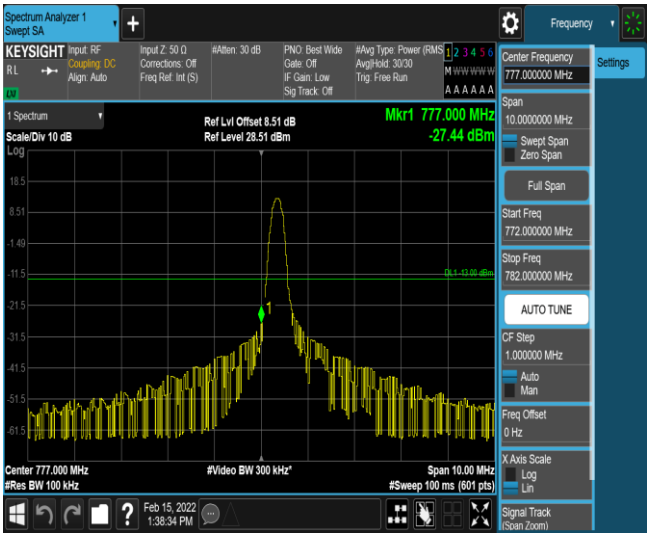
Band13-10MHz-16QAM-23230-6-0-Low-1.2953-1.565-PASS

Appendix D: Band Edge for M1

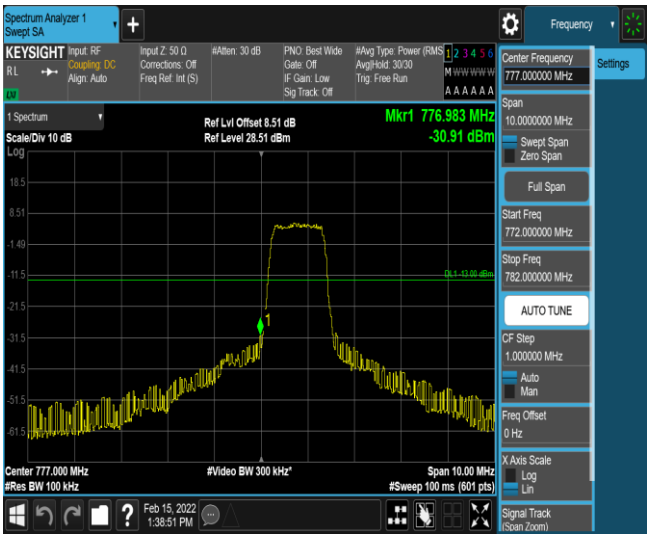
Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Result(dBm)	Verdict
Band13	5MHz	23205	QPSK	1	0	Low	-27.44	PASS
Band13	5MHz	23205	QPSK	6	0	Low	-30.91	PASS
Band13	5MHz	23255	QPSK	1	0	High	-38.15	PASS
Band13	5MHz	23255	QPSK	6	0	High	-28.36	PASS
Band13	5MHz	23205	16QAM	1	0	Low	-23.21	PASS
Band13	5MHz	23205	16QAM	6	0	Low	-31.25	PASS
Band13	5MHz	23255	16QAM	1	0	High	-42.37	PASS
Band13	5MHz	23255	16QAM	6	0	High	-28.61	PASS

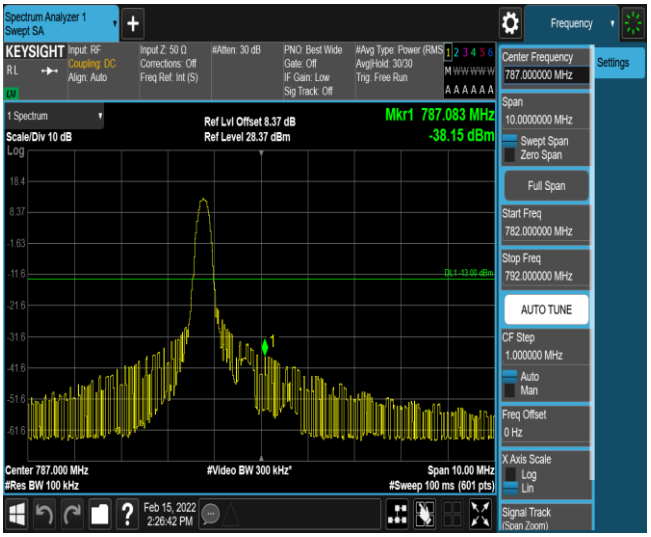
Test Graphs



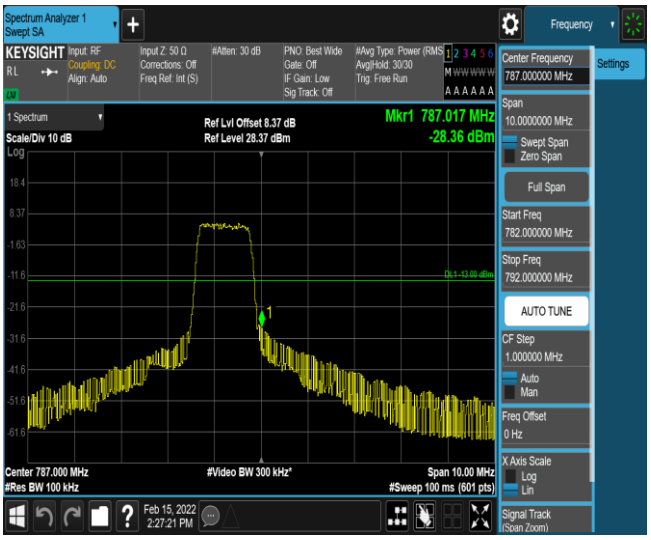
Band13-5MHz-QPSK-23205-1-0-Low--27.44-PASS



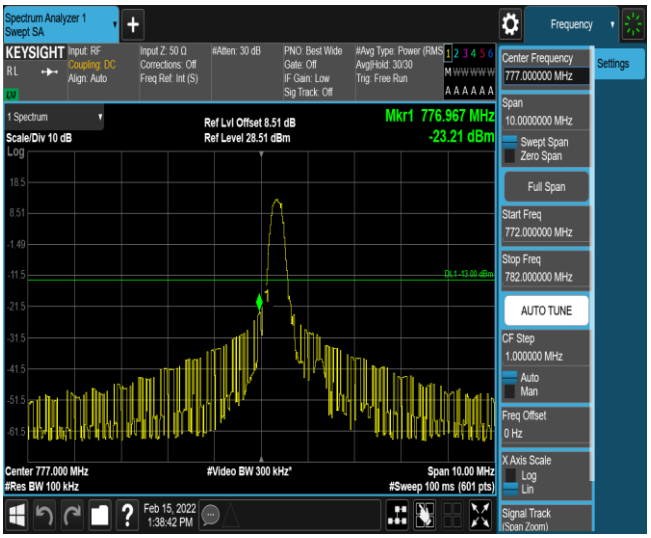
Band13-5MHz-QPSK-23205-6-0-Low--30.91-PASS



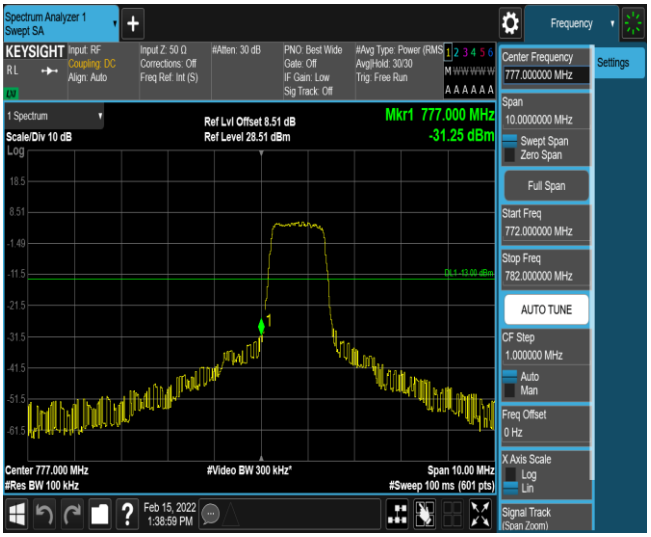
Band13-5MHz-QPSK-23255-1-0-High--38.15-PASS



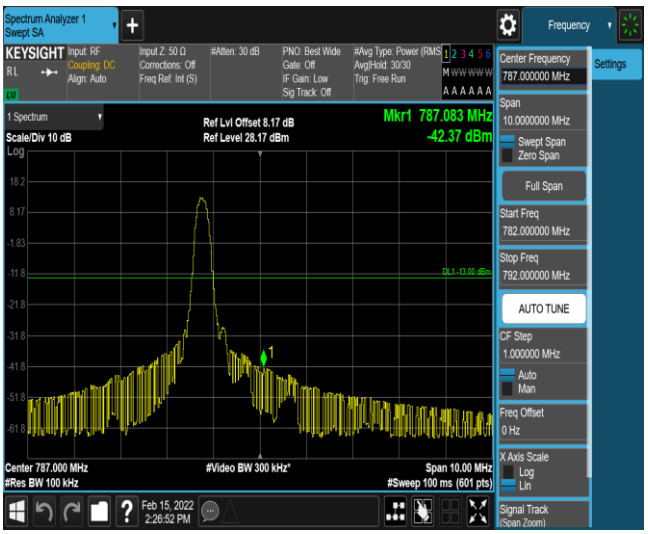
Band13-5MHz-QPSK-23255-6-0-High--28.36-PASS



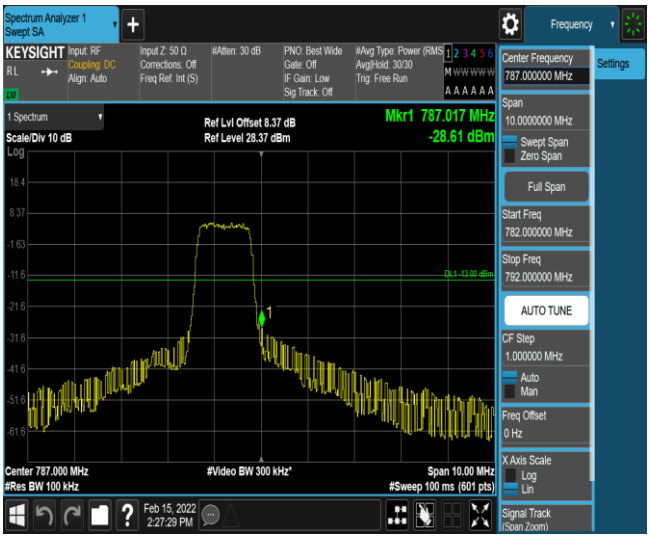
Band13-5MHz-16QAM-23205-1-0-Low--23.21-PASS



Band13-5MHz-16QAM-23205-6-0-Low--31.25-PASS



Band13-5MHz-16QAM-23255-1-0-High—42.37-PASS



Band13-5MHz-16QAM-23255-6-0-High--28.61-PASS

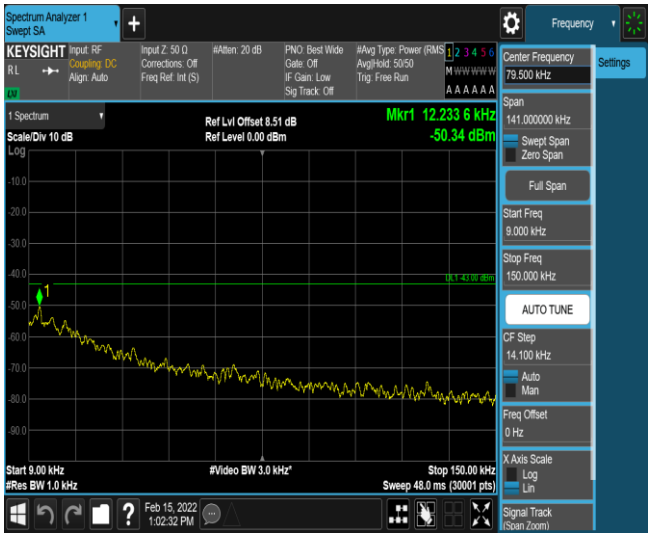
Appendix E: Conducted Spurious Emission for M1

Test Result

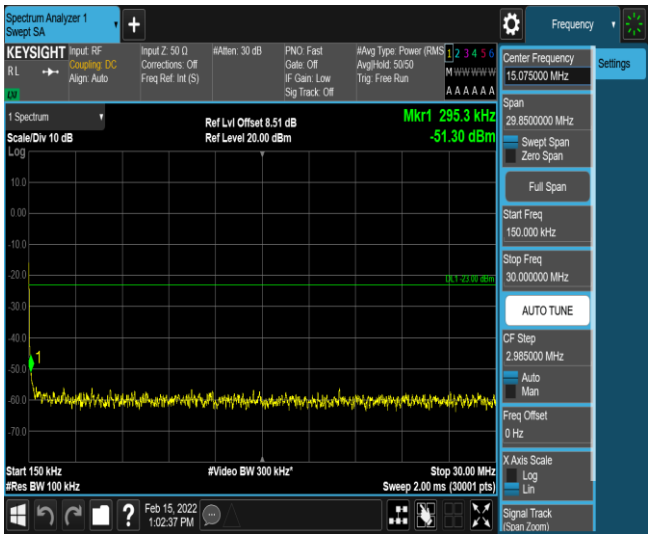
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	Start Freq	Stop Freq	Result (dBm)	Verdict
Band13	5MHz	23205	QPSK	1	0	0.009	0.15	-50.34	PASS
Band13	5MHz	23205	QPSK	1	0	0.15	30	-51.3	PASS
Band13	5MHz	23205	QPSK	1	0	30	1000	-34.52	PASS
Band13	5MHz	23205	QPSK	1	0	1000	5000	-36.56	PASS
Band13	5MHz	23205	QPSK	1	0	5000	12000	-57.69	PASS
Band13	5MHz	23205	QPSK	1	0	12000	26500	-52.17	PASS
Band13	5MHz	23230	QPSK	1	0	0.009	0.15	-53.44	PASS
Band13	5MHz	23230	QPSK	1	0	0.15	30	-51.59	PASS
Band13	5MHz	23230	QPSK	1	0	30	1000	-34.21	PASS
Band13	5MHz	23230	QPSK	1	0	1000	5000	-36.76	PASS
Band13	5MHz	23230	QPSK	1	0	5000	12000	-57.97	PASS
Band13	5MHz	23230	QPSK	1	0	12000	26500	-52.37	PASS
Band13	5MHz	23255	QPSK	1	0	0.009	0.15	-53.47	PASS
Band13	5MHz	23255	QPSK	1	0	0.15	30	-51.6	PASS
Band13	5MHz	23255	QPSK	1	0	30	1000	-34.82	PASS
Band13	5MHz	23255	QPSK	1	0	1000	5000	-36.75	PASS
Band13	5MHz	23255	QPSK	1	0	5000	12000	-57.87	PASS
Band13	5MHz	23255	QPSK	1	0	12000	26500	-52.5	PASS
Band13	5MHz	23205	16QAM	1	0	0.009	0.15	-51.7	PASS
Band13	5MHz	23205	16QAM	1	0	0.15	30	-50.7	PASS
Band13	5MHz	23205	16QAM	1	0	30	1000	-34.39	PASS
Band13	5MHz	23205	16QAM	1	0	1000	5000	-36.63	PASS
Band13	5MHz	23205	16QAM	1	0	5000	12000	-57.75	PASS
Band13	5MHz	23205	16QAM	1	0	12000	26500	-52.26	PASS
Band13	5MHz	23230	16QAM	1	0	0.009	0.15	-53.34	PASS
Band13	5MHz	23230	16QAM	1	0	0.15	30	-51.12	PASS
Band13	5MHz	23230	16QAM	1	0	30	1000	-34.08	PASS
Band13	5MHz	23230	16QAM	1	0	1000	5000	-36.65	PASS
Band13	5MHz	23230	16QAM	1	0	5000	12000	-57.95	PASS
Band13	5MHz	23230	16QAM	1	0	12000	26500	-52.39	PASS
Band13	5MHz	23255	16QAM	1	0	0.009	0.15	-53.02	PASS
Band13	5MHz	23255	16QAM	1	0	0.15	30	-50.05	PASS
Band13	5MHz	23255	16QAM	1	0	30	1000	-34.35	PASS
Band13	5MHz	23255	16QAM	1	0	1000	5000	-36.6	PASS
Band13	5MHz	23255	16QAM	1	0	5000	12000	-57.94	PASS

Band13	5MHz	23255	16QAM	1	0	12000	26500	-52.23	PASS

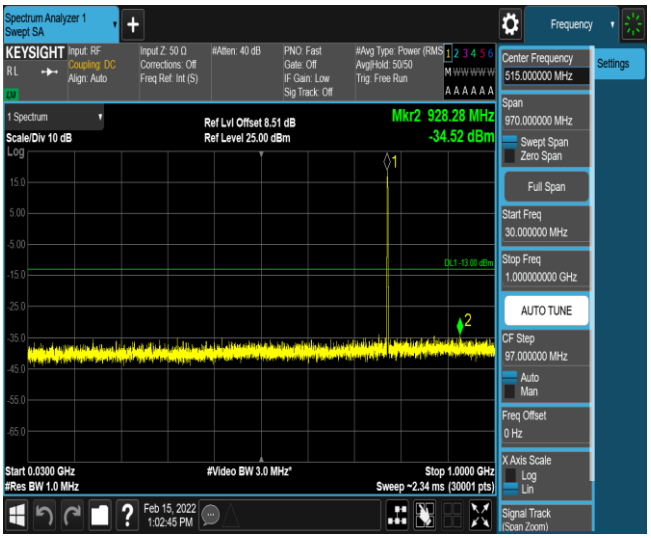
Test Graphs



Band13-5MHz-QPSK-23205-1-0-Low-0.009-0.15--50.34-PASS

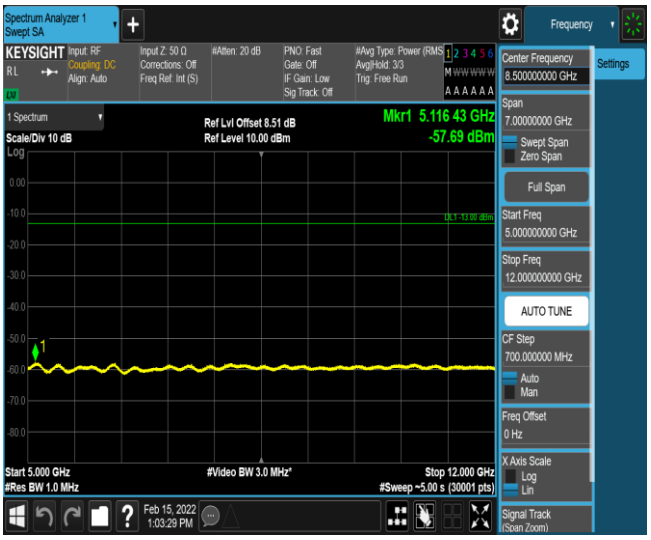


Band13-5MHz-QPSK-23205-1-0-Low-0.15-30--51.3-PASS

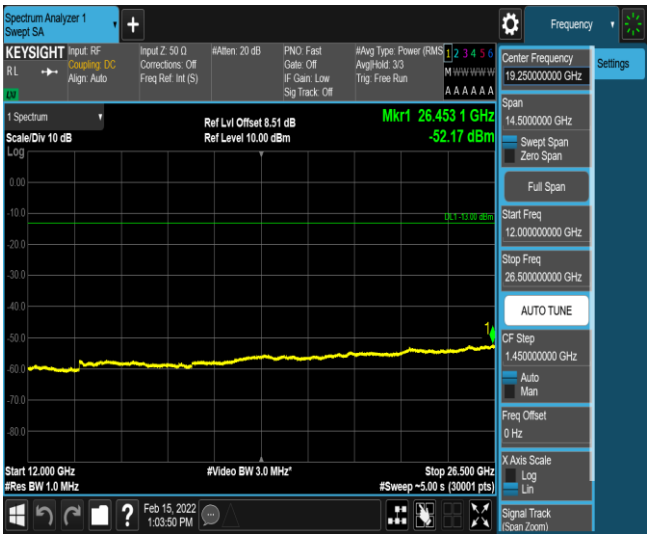


Band13-5MHz-QPSK-23205-1-0-Low-30-1000--34.52-PASS

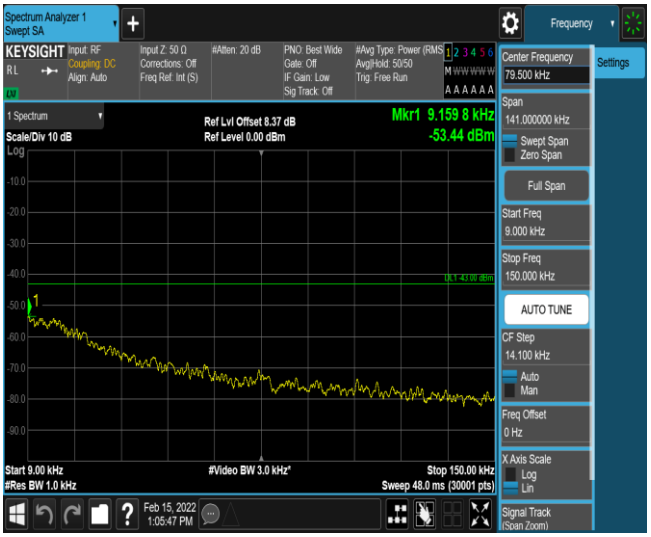
Band13-5MHz-QPSK-23205-1-0-Low-1000-5000--36.56-PASS



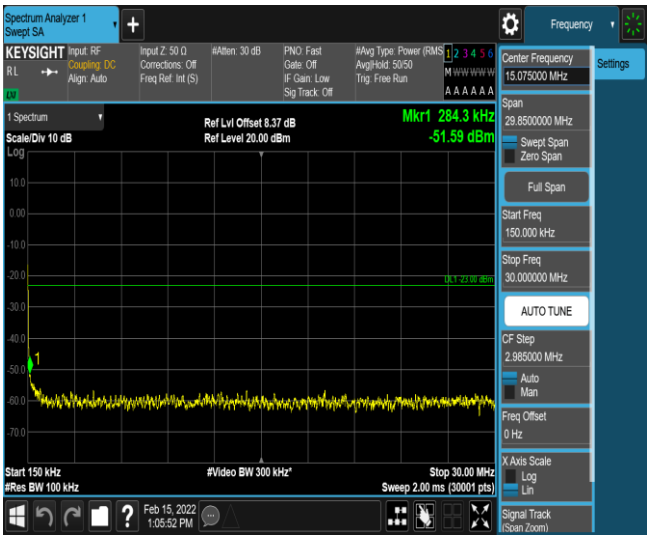
Band13-5MHz-QPSK-23205-1-0-Low-5000-12000--57.69-PASS



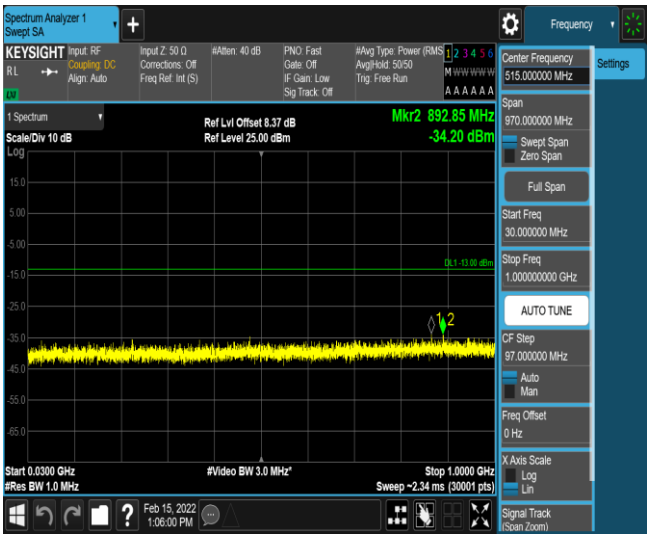
Band13-5MHz-QPSK-23205-1-0-Low-12000-26500--52.17-PASS



Band13-5MHz-QPSK-23230-1-0-Low-0.009-0.15--53.44-PASS

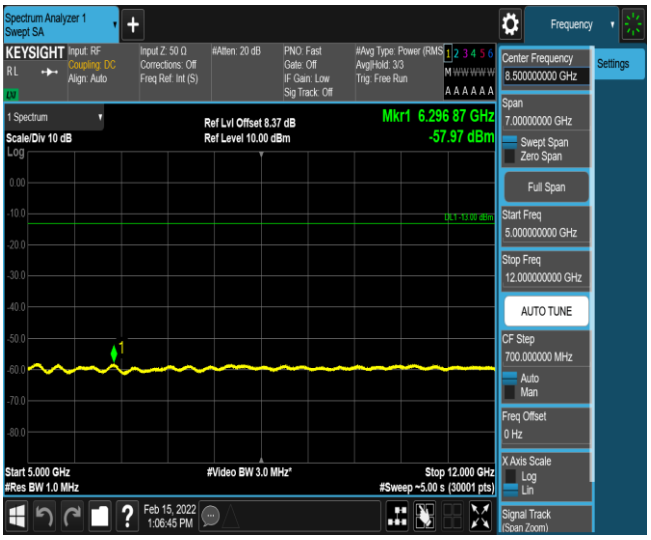


Band13-5MHz-QPSK-23230-1-0-Low-0.15-30--51.59-PASS

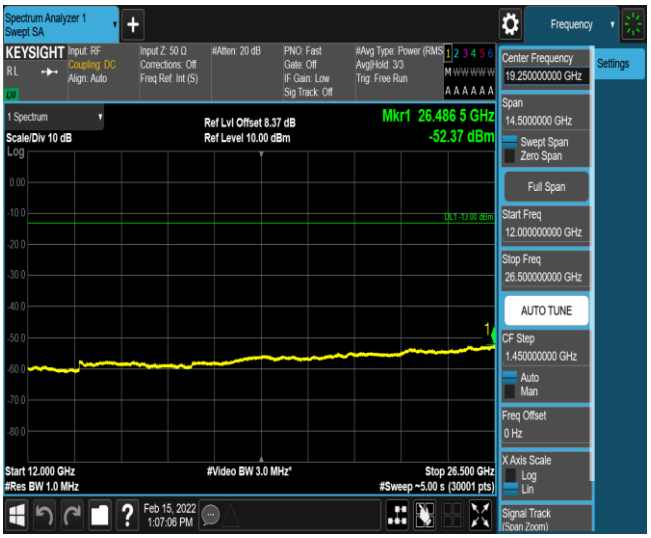


Band13-5MHz-QPSK-23230-1-0-Low-30-1000--34.21-PASS

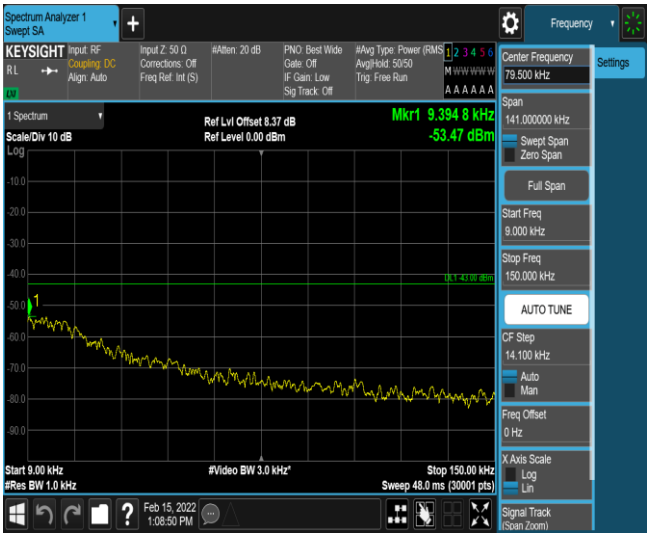
Band13-5MHz-QPSK-23230-1-0-Low-1000-5000--36.76-PASS



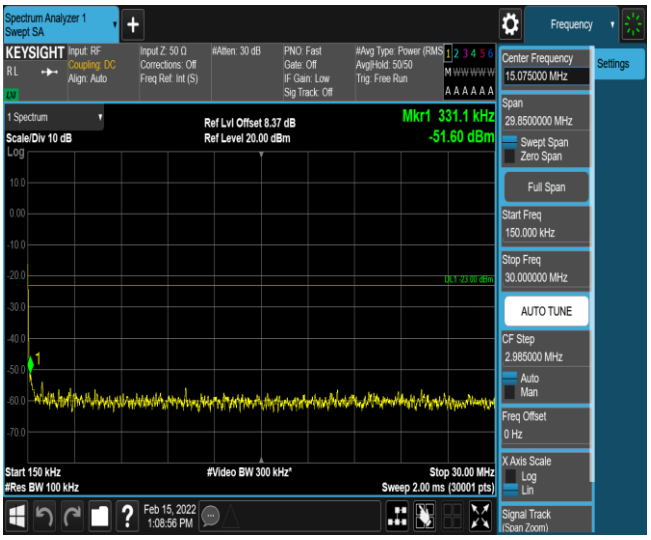
Band13-5MHz-QPSK-23230-1-0-Low-5000-12000--57.97-PASS



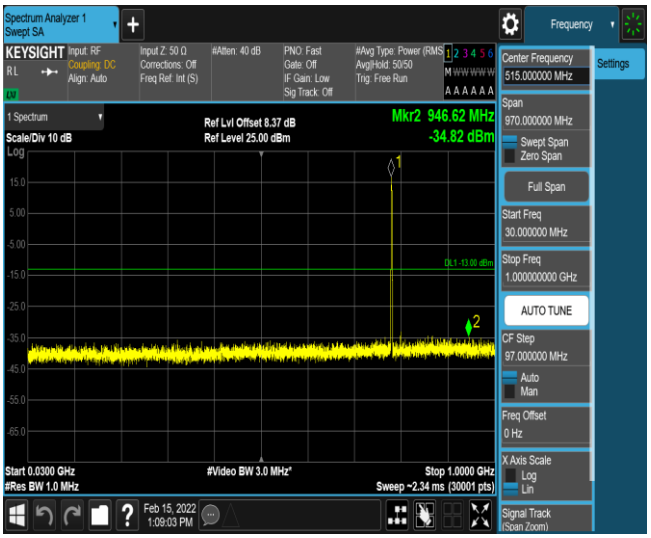
Band13-5MHz-QPSK-23230-1-0-Low-12000-26500--52.37-PASS



Band13-5MHz-QPSK-23255-1-0-High-0.009-0.15--53.47-PASS

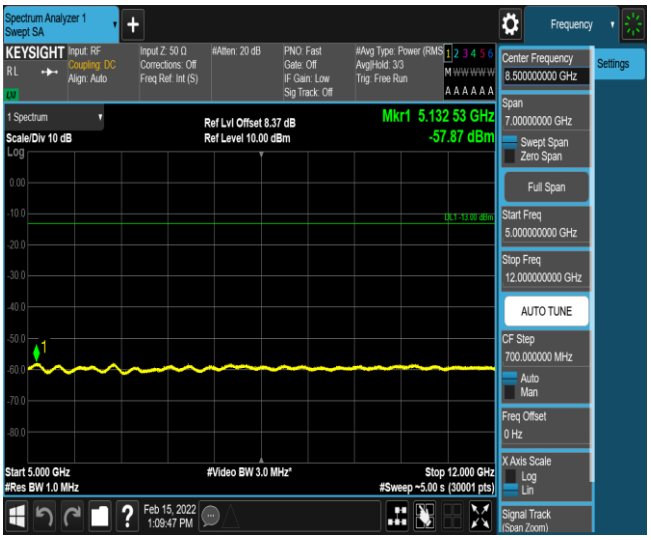


Band13-5MHz-QPSK-23255-1-0-High-0.15-30--51.6-PASS

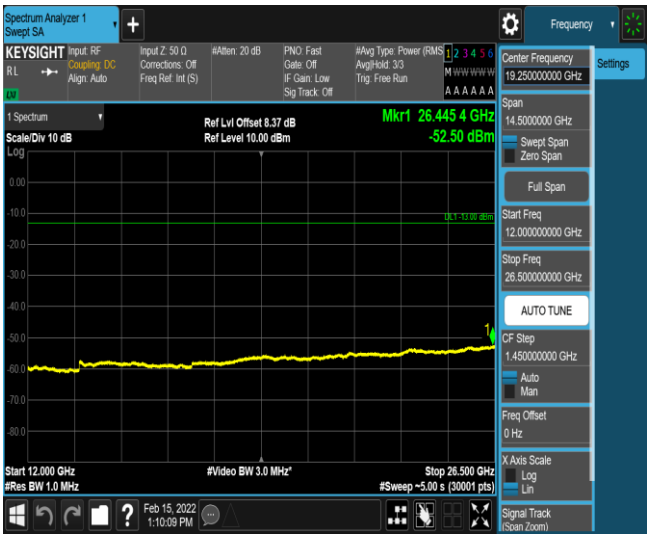


Band13-5MHz-QPSK-23255-1-0-High-30-1000--34.82-PASS

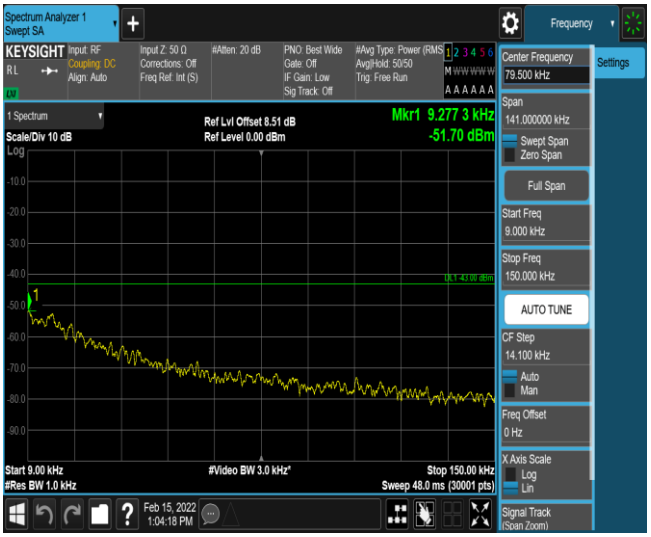
Band13-5MHz-QPSK-23255-1-0-High-1000-5000--36.75-PASS



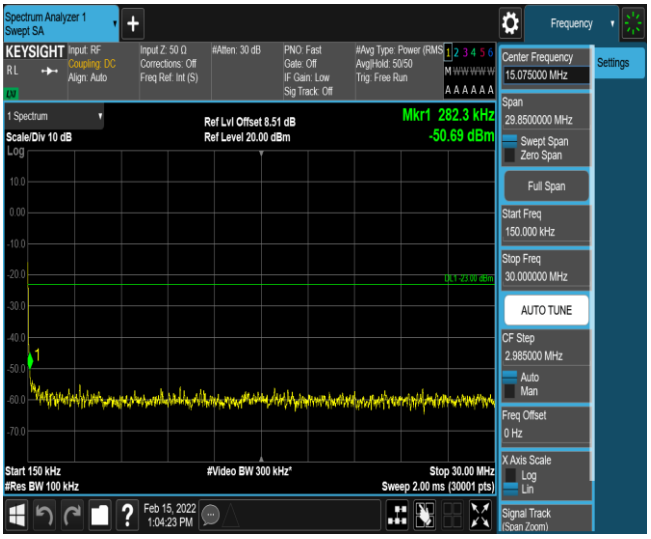
Band13-5MHz-QPSK-23255-1-0-High-5000-12000--57.87-PASS



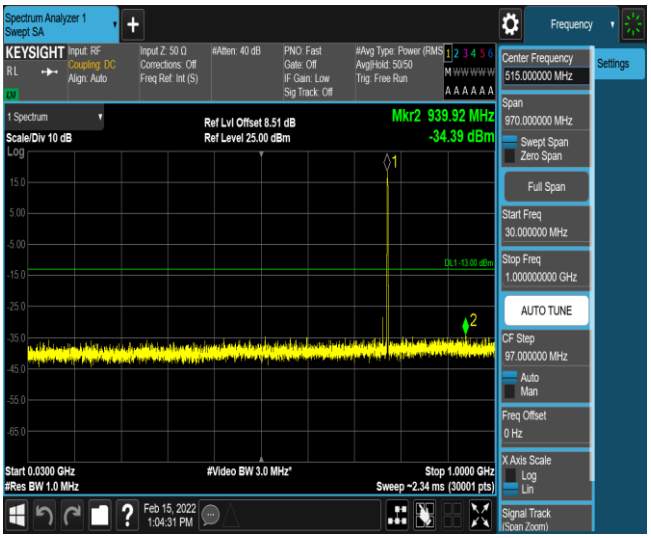
Band13-5MHz-QPSK-23255-1-0-High-12000-26500--52.5-PASS



Band13-5MHz-16QAM-23205-1-0-Low-0.009-0.15--51.7-PASS

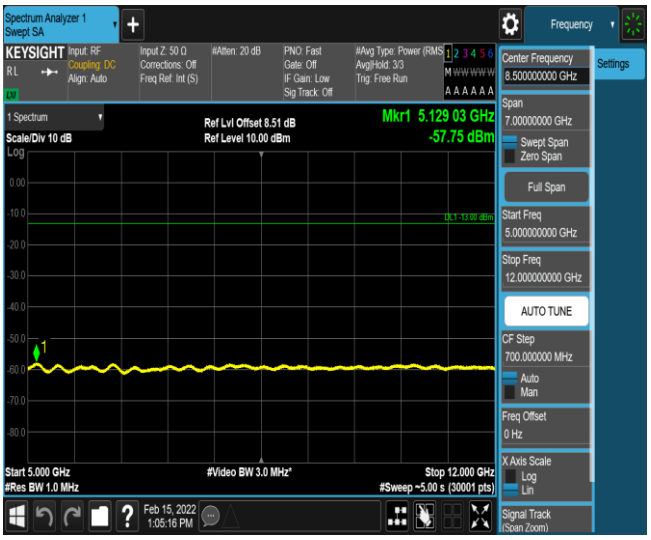


Band13-5MHz-16QAM-23205-1-0-Low-0.15-30--50.7-PASS



Band13-5MHz-16QAM-23205-1-0-Low-30-1000--34.39-PASS

Band13-5MHz-16QAM-23205-1-0-Low-1000-5000--36.63-PASS



Band13-5MHz-16QAM-23205-1-0-Low-5000-12000--57.75-PASS