

Appendix for Band 13

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	23.78	PASS
Band13	5MHz	QPSK	23205	1RB#12	23.76	PASS
Band13	5MHz	QPSK	23205	1RB#24	23.81	PASS
Band13	5MHz	QPSK	23205	12RB#0	22.39	PASS
Band13	5MHz	QPSK	23205	12RB#6	22.56	PASS
Band13	5MHz	QPSK	23205	12RB#13	22.67	PASS
Band13	5MHz	QPSK	23205	25RB#0	22.72	PASS
Band13	5MHz	QPSK	23230	1RB#0	23.75	PASS
Band13	5MHz	QPSK	23230	1RB#12	23.70	PASS
Band13	5MHz	QPSK	23230	1RB#24	23.59	PASS
Band13	5MHz	QPSK	23230	12RB#0	22.66	PASS
Band13	5MHz	QPSK	23230	12RB#6	22.66	PASS
Band13	5MHz	QPSK	23230	12RB#13	22.65	PASS
Band13	5MHz	QPSK	23230	25RB#0	22.49	PASS
Band13	5MHz	QPSK	23255	1RB#0	23.94	PASS
Band13	5MHz	QPSK	23255	1RB#12	23.78	PASS
Band13	5MHz	QPSK	23255	1RB#24	23.81	PASS
Band13	5MHz	QPSK	23255	12RB#0	22.70	PASS
Band13	5MHz	QPSK	23255	12RB#6	22.51	PASS
Band13	5MHz	QPSK	23255	12RB#13	22.53	PASS
Band13	5MHz	QPSK	23255	25RB#0	22.61	PASS
Band13	5MHz	16QAM	23205	1RB#0	21.96	PASS
Band13	5MHz	16QAM	23205	1RB#12	22.10	PASS
Band13	5MHz	16QAM	23205	1RB#24	22.00	PASS
Band13	5MHz	16QAM	23205	12RB#0	21.42	PASS
Band13	5MHz	16QAM	23205	12RB#6	21.45	PASS
Band13	5MHz	16QAM	23205	12RB#13	21.58	PASS
Band13	5MHz	16QAM	23205	25RB#0	21.73	PASS
Band13	5MHz	16QAM	23230	1RB#0	22.37	PASS
Band13	5MHz	16QAM	23230	1RB#12	22.34	PASS

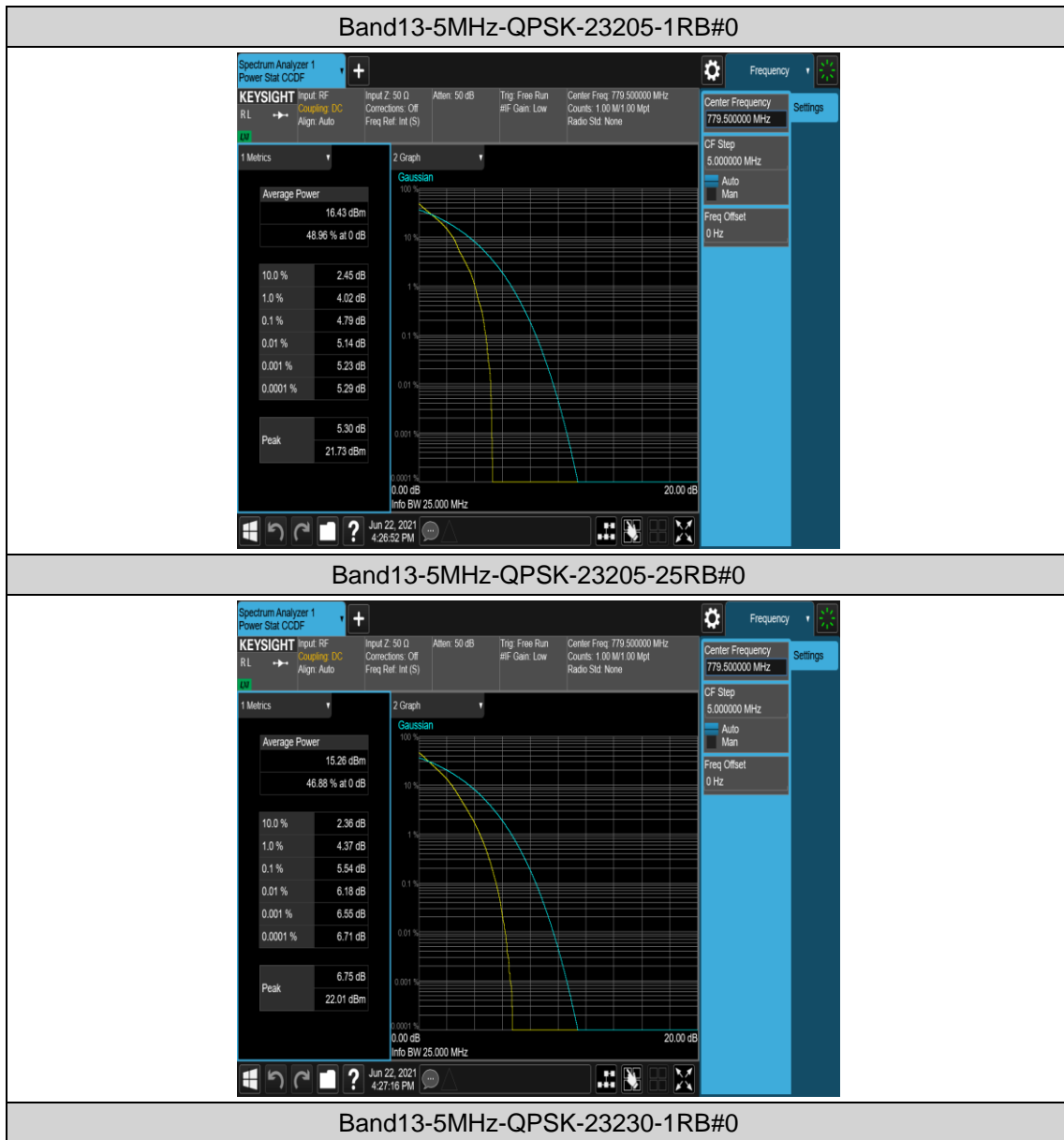
Band13	5MHz	16QAM	23230	1RB#24	22.34	PASS
Band13	5MHz	16QAM	23230	12RB#0	21.59	PASS
Band13	5MHz	16QAM	23230	12RB#6	21.61	PASS
Band13	5MHz	16QAM	23230	12RB#13	21.37	PASS
Band13	5MHz	16QAM	23230	25RB#0	21.41	PASS
Band13	5MHz	16QAM	23255	1RB#0	22.24	PASS
Band13	5MHz	16QAM	23255	1RB#12	22.33	PASS
Band13	5MHz	16QAM	23255	1RB#24	22.32	PASS
Band13	5MHz	16QAM	23255	12RB#0	21.38	PASS
Band13	5MHz	16QAM	23255	12RB#6	21.38	PASS
Band13	5MHz	16QAM	23255	12RB#13	21.40	PASS
Band13	5MHz	16QAM	23255	25RB#0	21.36	PASS
Band13	10MHz	QPSK	23230	1RB#0	23.96	PASS
Band13	10MHz	QPSK	23230	1RB#24	23.82	PASS
Band13	10MHz	QPSK	23230	1RB#49	23.60	PASS
Band13	10MHz	QPSK	23230	25RB#0	22.81	PASS
Band13	10MHz	QPSK	23230	25RB#12	22.68	PASS
Band13	10MHz	QPSK	23230	25RB#25	22.59	PASS
Band13	10MHz	QPSK	23230	50RB#0	22.62	PASS
Band13	10MHz	16QAM	23230	1RB#0	21.92	PASS
Band13	10MHz	16QAM	23230	1RB#24	22.03	PASS
Band13	10MHz	16QAM	23230	1RB#49	21.94	PASS
Band13	10MHz	16QAM	23230	25RB#0	21.73	PASS
Band13	10MHz	16QAM	23230	25RB#12	21.71	PASS
Band13	10MHz	16QAM	23230	25RB#25	21.45	PASS
Band13	10MHz	16QAM	23230	50RB#0	21.57	PASS

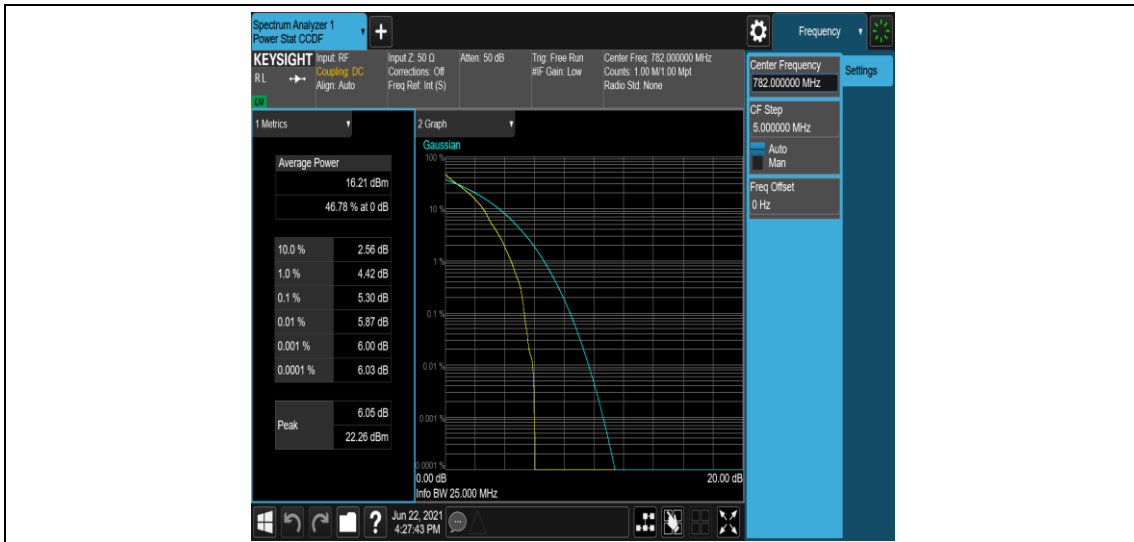
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

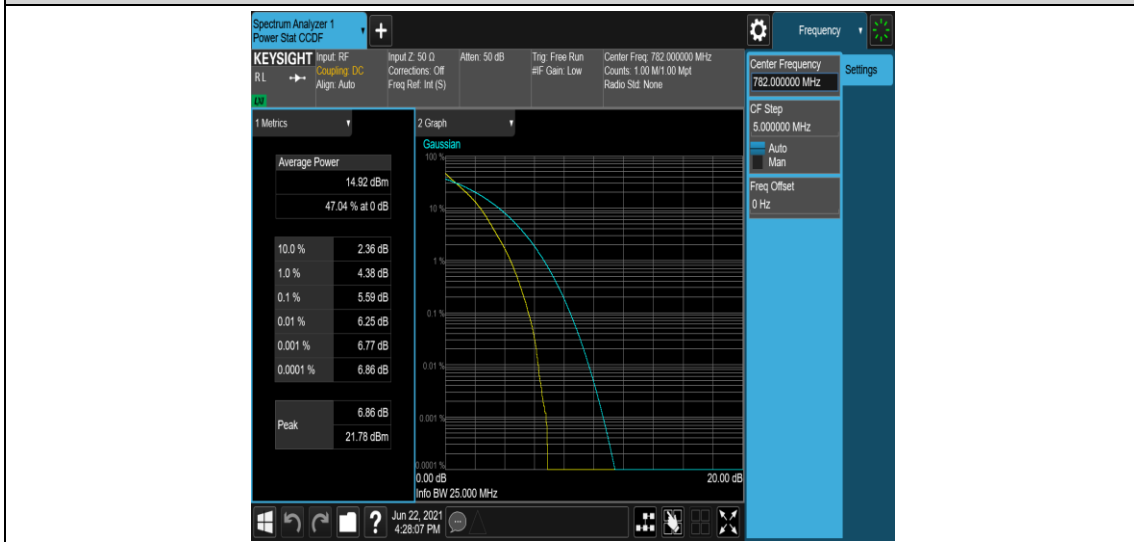
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	4.79	13	PASS
Band13	5MHz	QPSK	23205	25RB#0	5.54	13	PASS
Band13	5MHz	QPSK	23230	1RB#0	5.30	13	PASS
Band13	5MHz	QPSK	23230	25RB#0	5.59	13	PASS
Band13	5MHz	QPSK	23255	1RB#0	5.16	13	PASS
Band13	5MHz	QPSK	23255	25RB#0	5.57	13	PASS
Band13	5MHz	16QAM	23205	1RB#0	5.60	13	PASS
Band13	5MHz	16QAM	23205	25RB#0	6.20	13	PASS
Band13	5MHz	16QAM	23230	1RB#0	6.10	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	6.31	13	PASS
Band13	5MHz	16QAM	23255	1RB#0	5.96	13	PASS
Band13	5MHz	16QAM	23255	25RB#0	6.28	13	PASS
Band13	10MHz	QPSK	23230	1RB#0	4.70	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	5.62	13	PASS
Band13	10MHz	16QAM	23230	1RB#0	5.61	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	6.34	13	PASS

Test Graphs

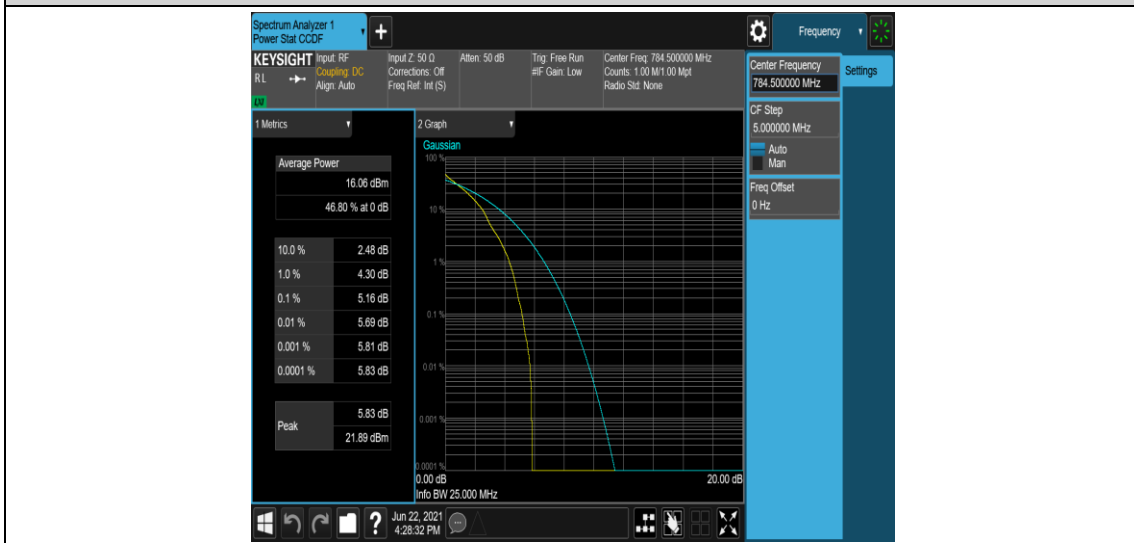




Band13-5MHz-QPSK-23230-25RB#0



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



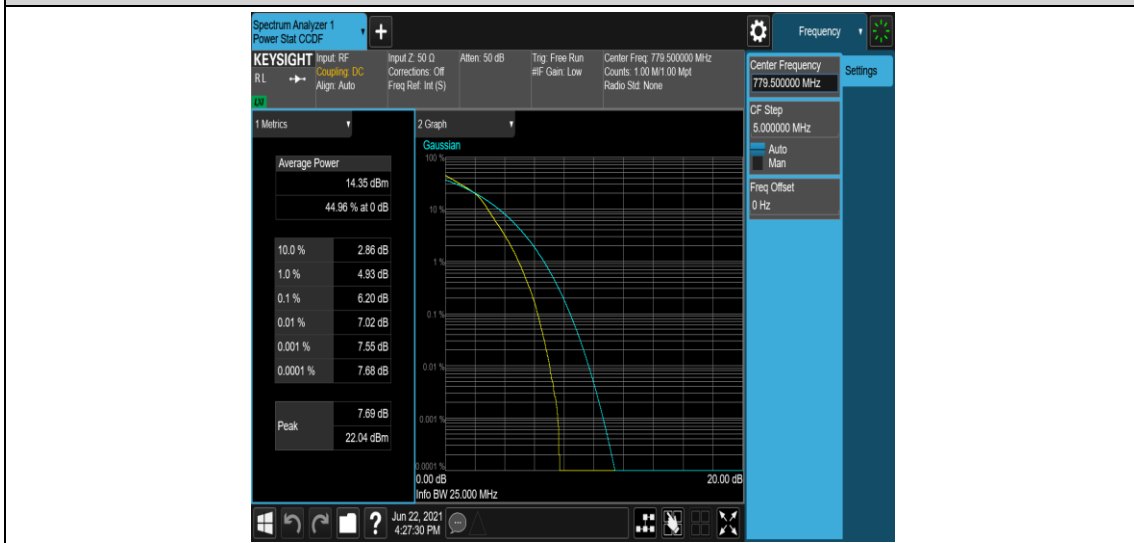
Band13-5MHz-QPSK-23255-25RB#0



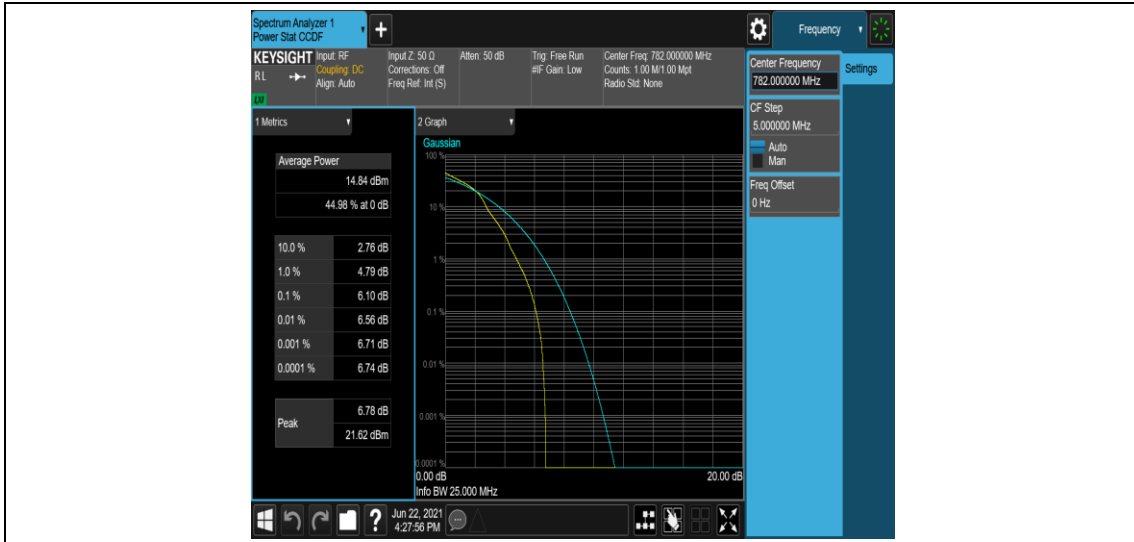
Band13-5MHz-16QAM-23205-1RB#0



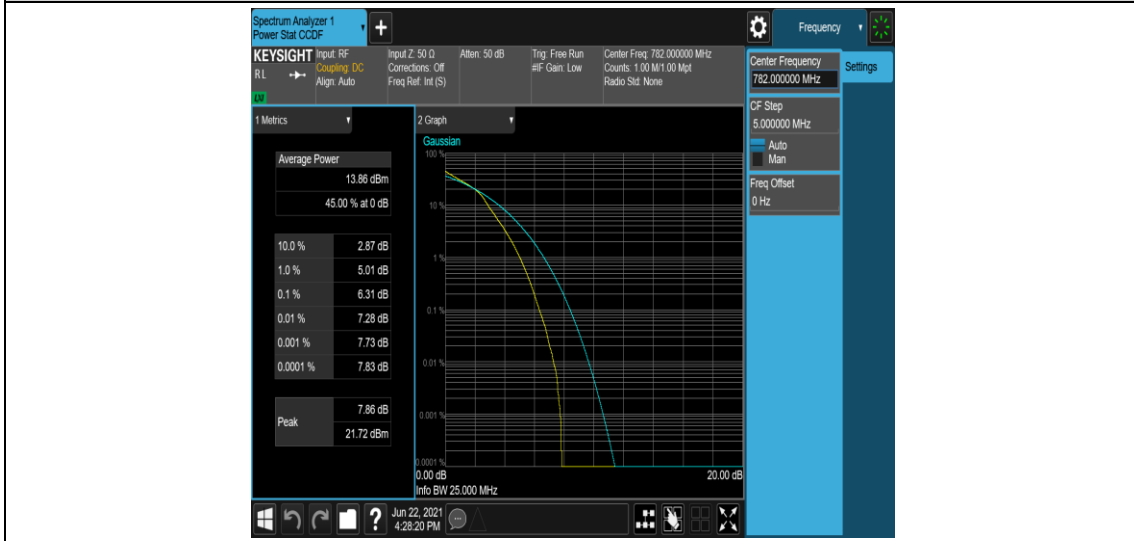
Band13-5MHz-16QAM-23205-25RB#0



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



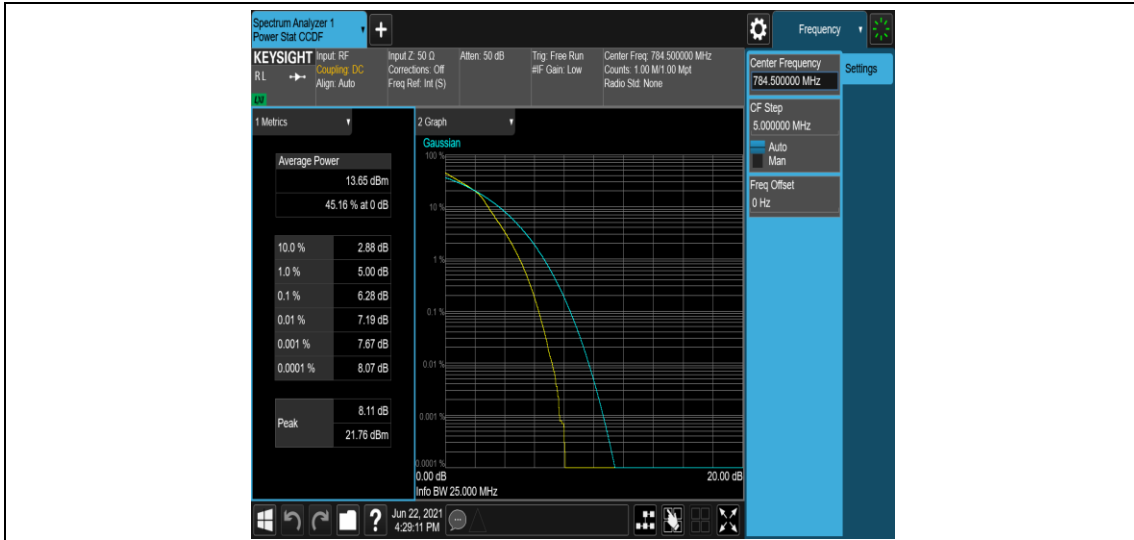
Band13-5MHz-16QAM-23230-25RB#0



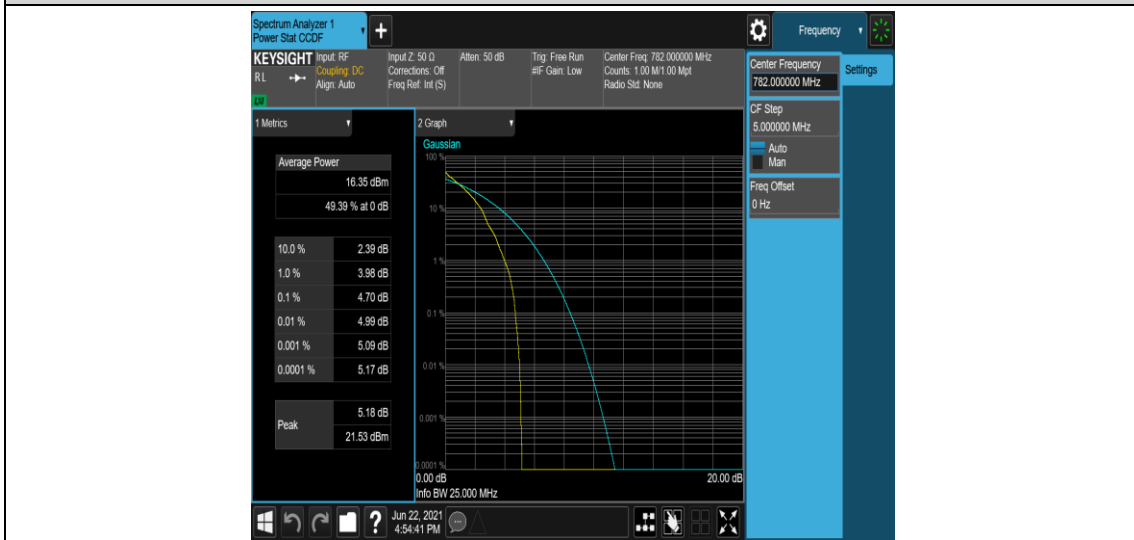
Band13-5MHz-16QAM-23255-1RB#0



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



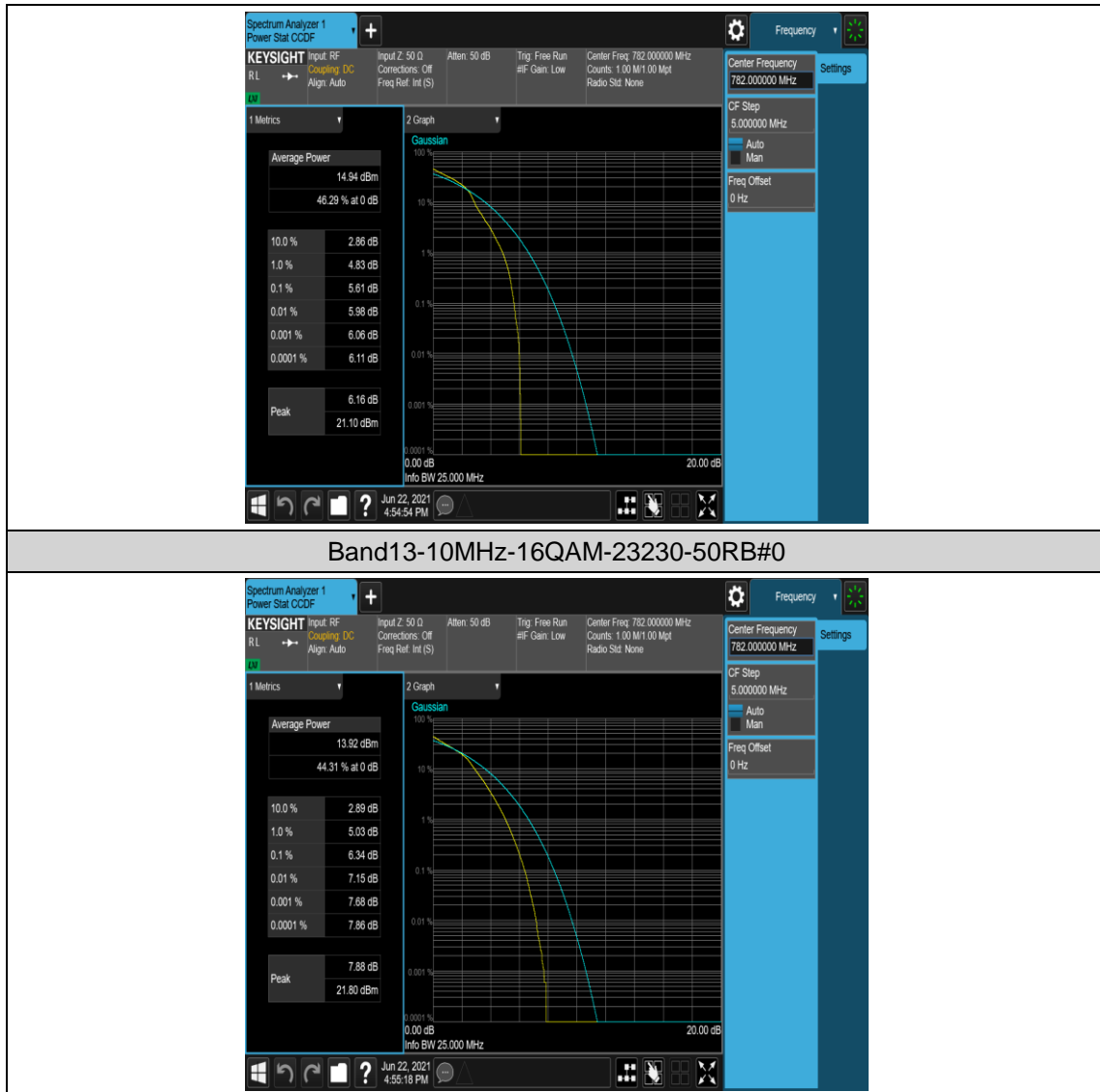
Band13-10MHz-QPSK-23230-1RB#0



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



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

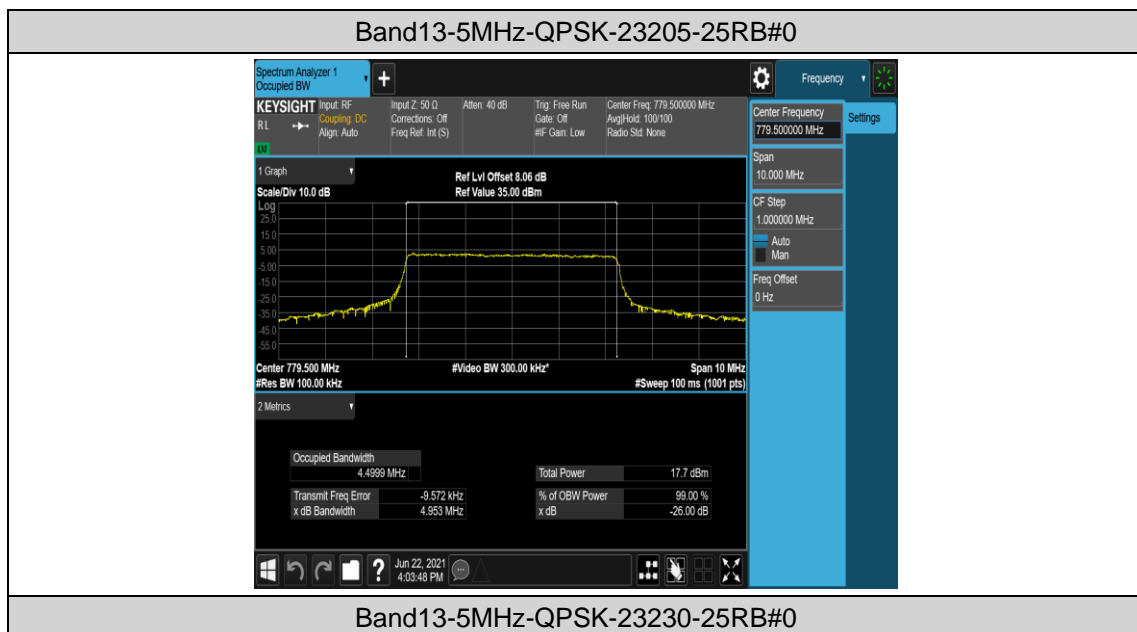


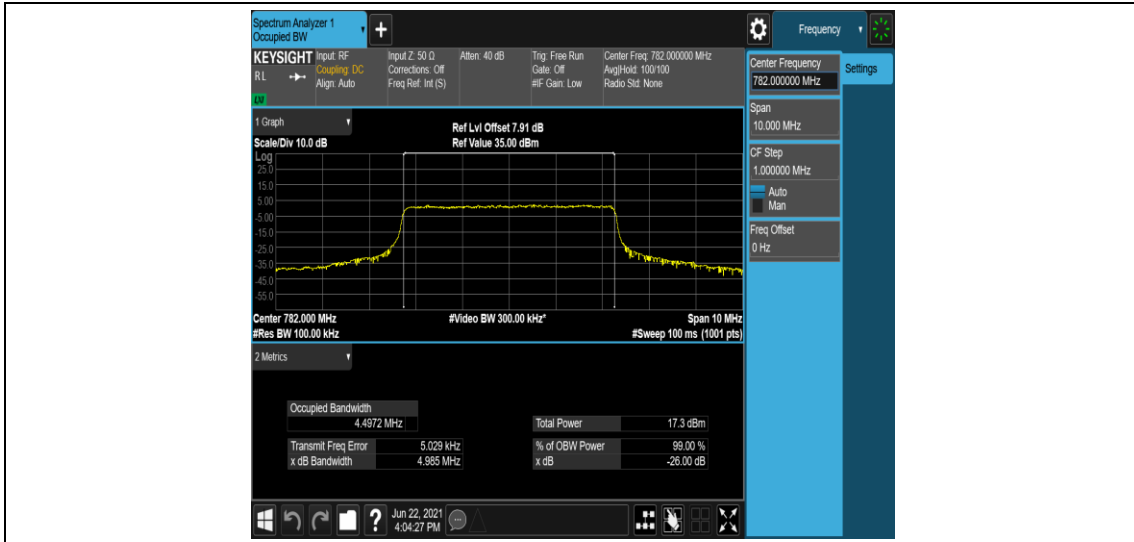
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

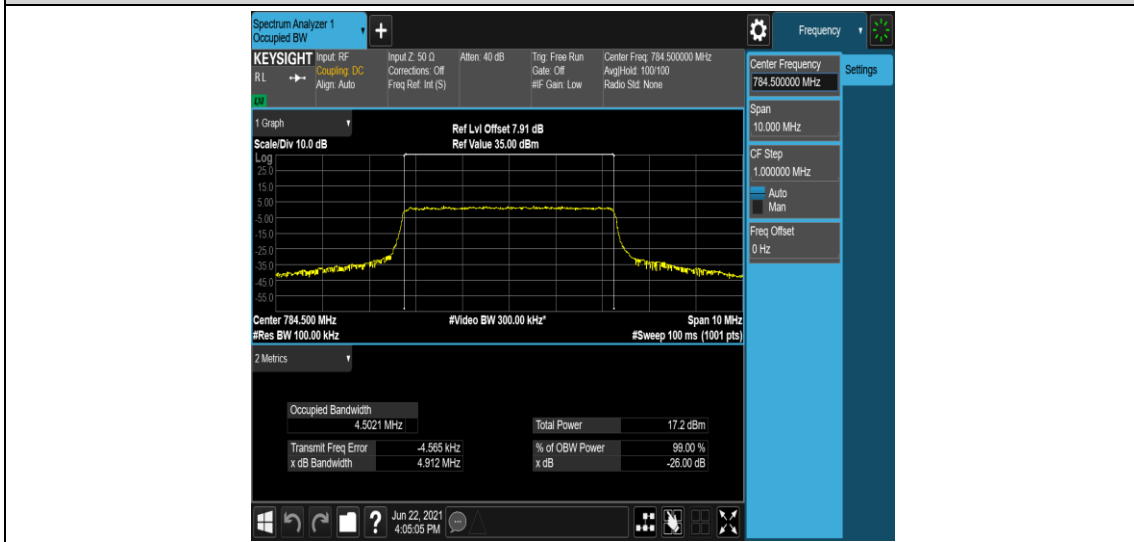
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.4999	4.953	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.4972	4.985	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.5021	4.912	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.5095	4.960	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.5007	5.014	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.5052	4.915	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9976	9.612	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.9934	9.585	PASS

Test Graphs

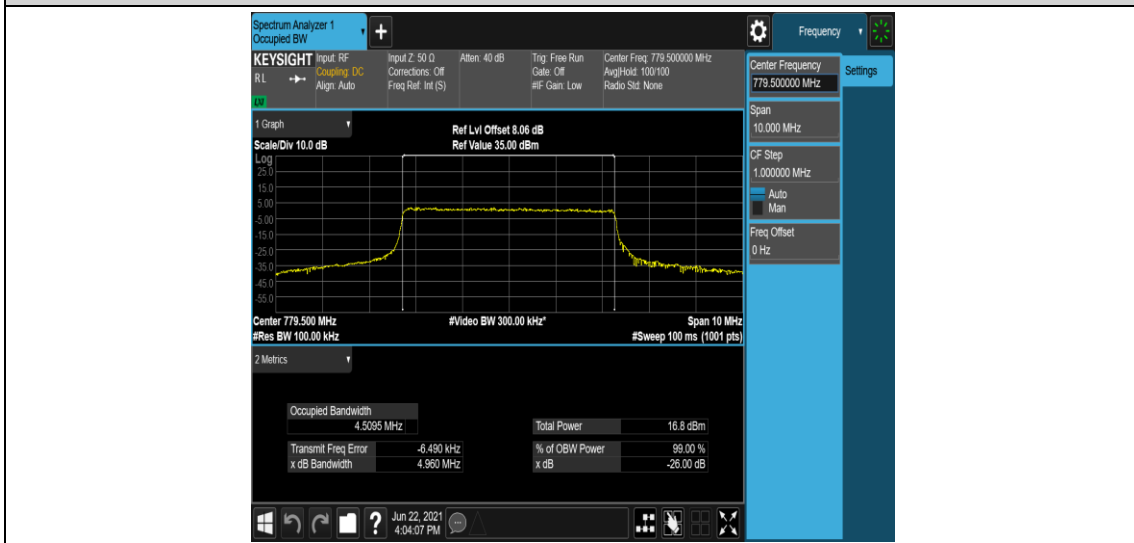




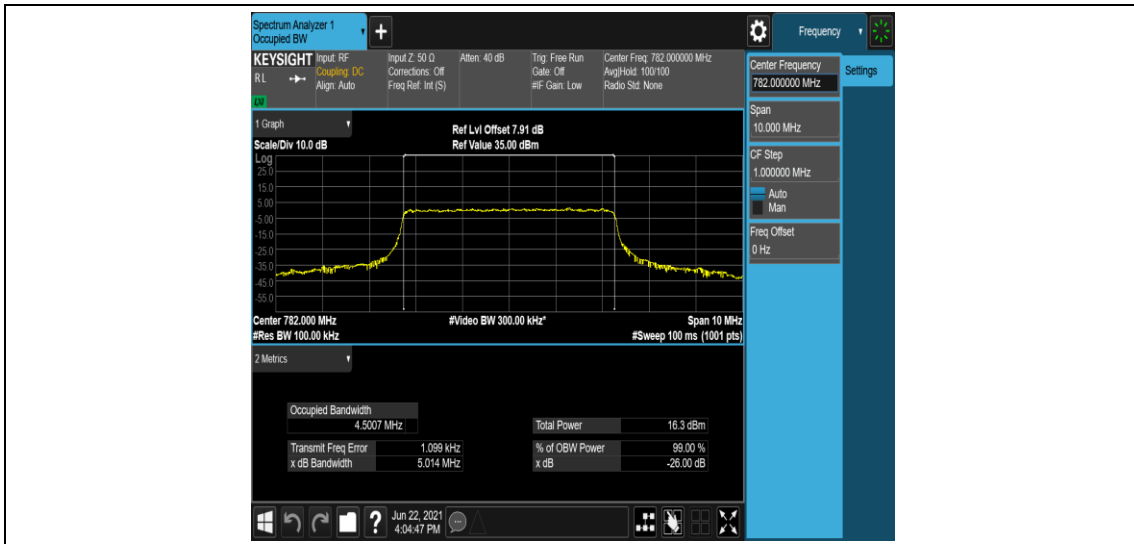
Band13-5MHz-QPSK-23255-25RB#0



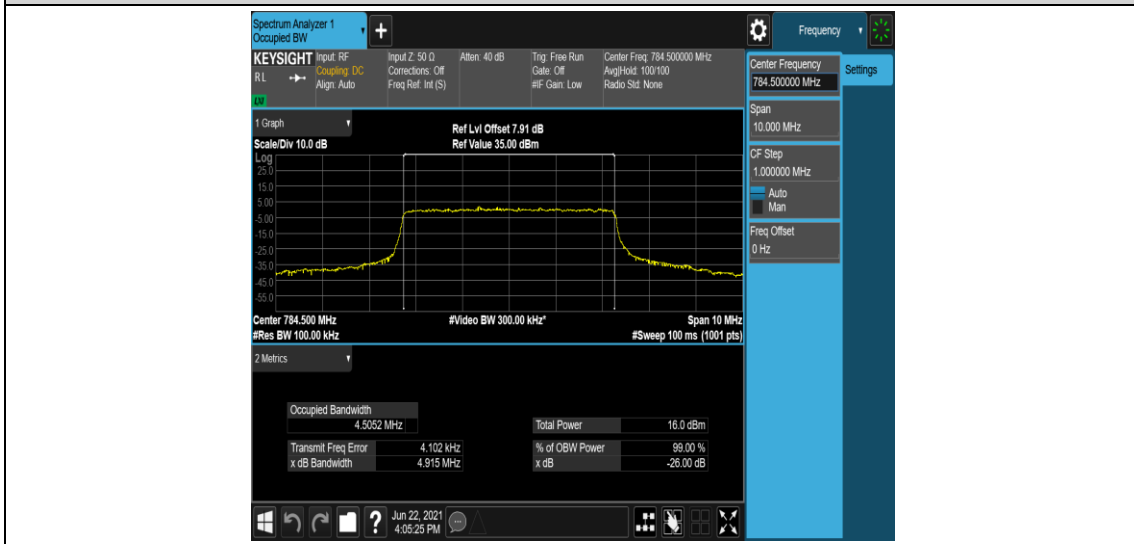
Band13-5MHz-16QAM-23205-25RB#0



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



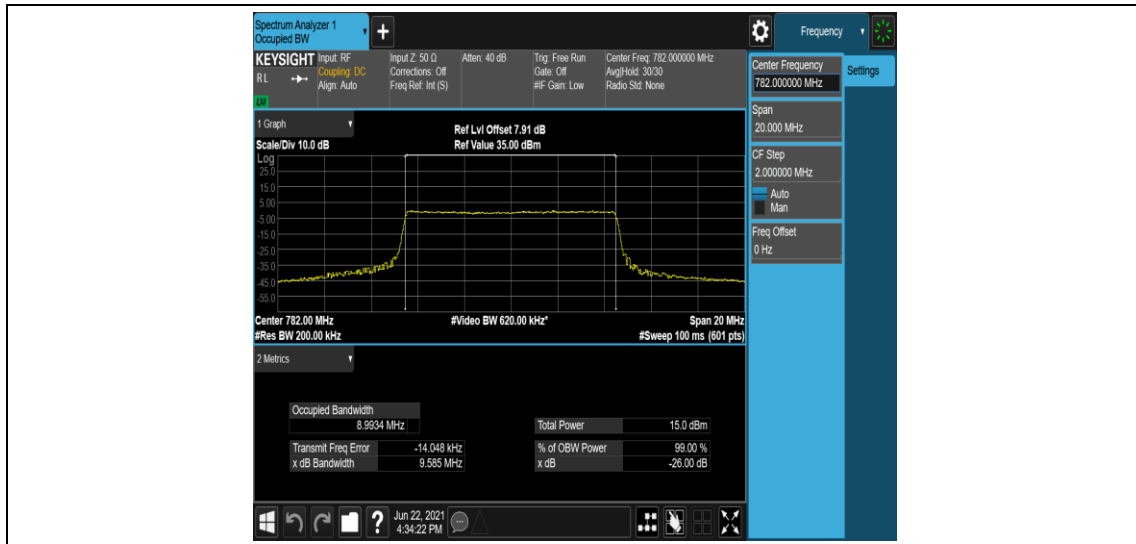
Band13-5MHz-16QAM-23255-25RB#0



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



Band13-10MHz-16QAM-23230-50RB#0

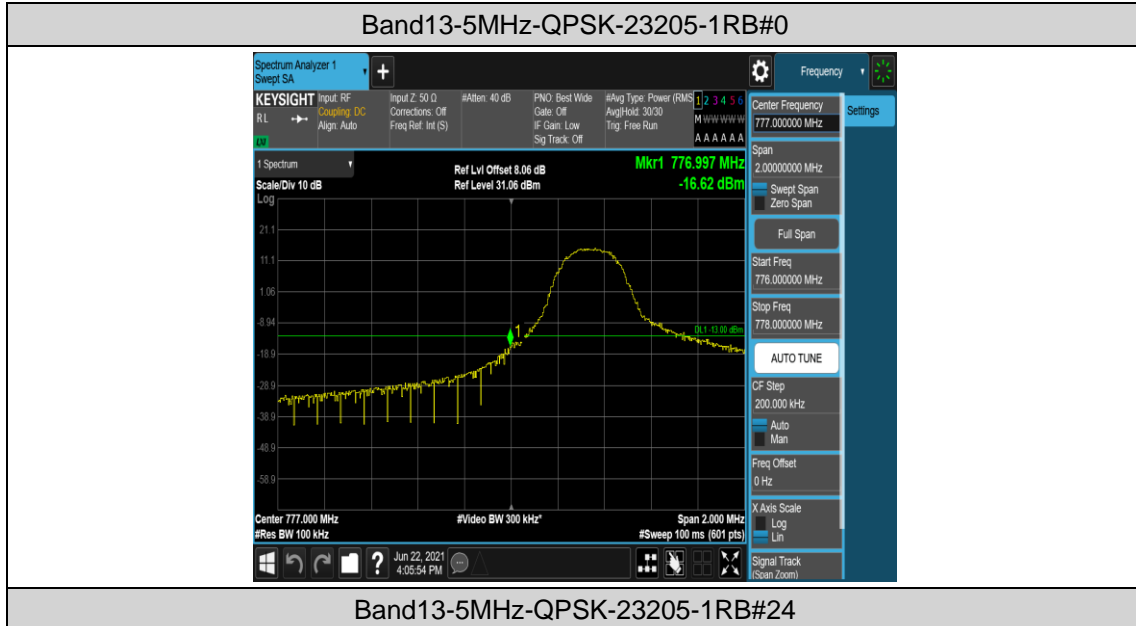


Appendix D: Band Edge

Test Result

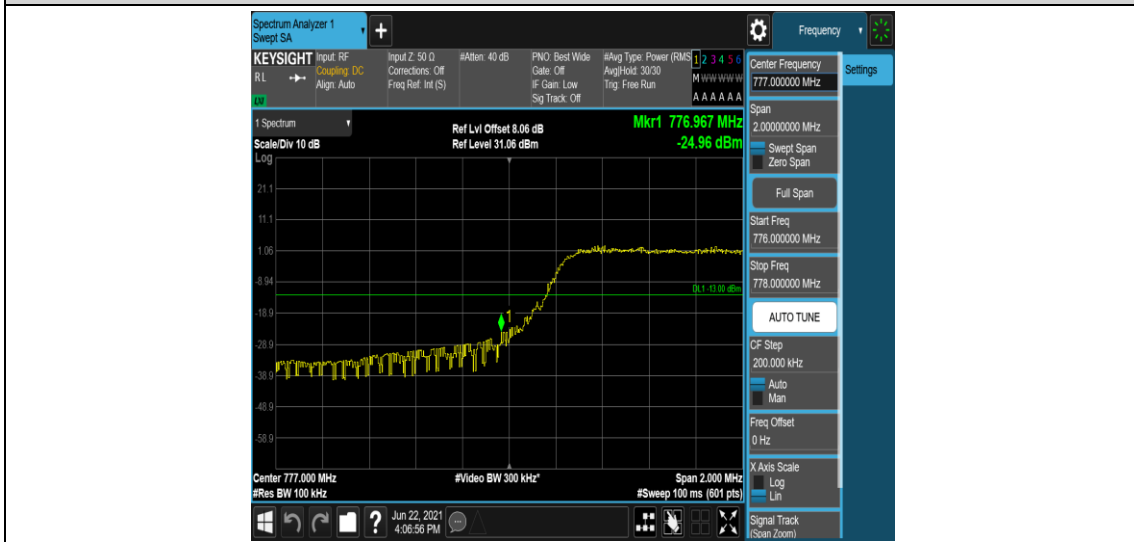
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	-16.62	PASS
Band13	5MHz	QPSK	23205	1RB#24	-31.32	PASS
Band13	5MHz	QPSK	23205	25RB#0	-24.96	PASS
Band13	5MHz	QPSK	23255	1RB#0	-33.33	PASS
Band13	5MHz	QPSK	23255	1RB#24	-17.71	PASS
Band13	5MHz	QPSK	23255	25RB#0	-27.41	PASS
Band13	5MHz	16QAM	23205	1RB#0	-20.36	PASS
Band13	5MHz	16QAM	23205	1RB#24	-33.44	PASS
Band13	5MHz	16QAM	23205	25RB#0	-27.21	PASS
Band13	5MHz	16QAM	23255	1RB#0	-34.23	PASS
Band13	5MHz	16QAM	23255	1RB#24	-18.51	PASS
Band13	5MHz	16QAM	23255	25RB#0	-26.52	PASS

Test Graphs





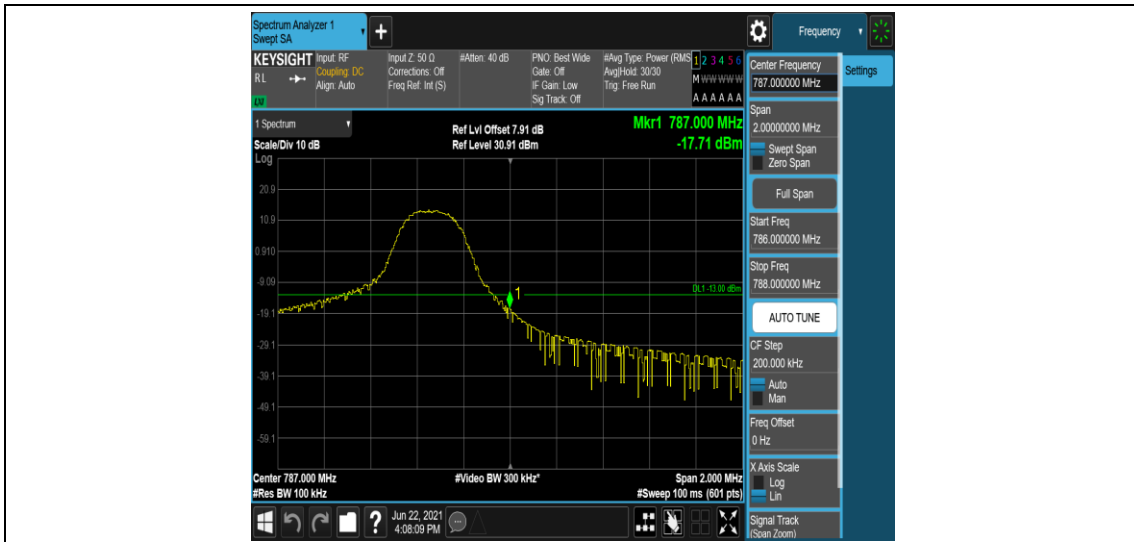
Band13-5MHz-QPSK-23205-25RB#0



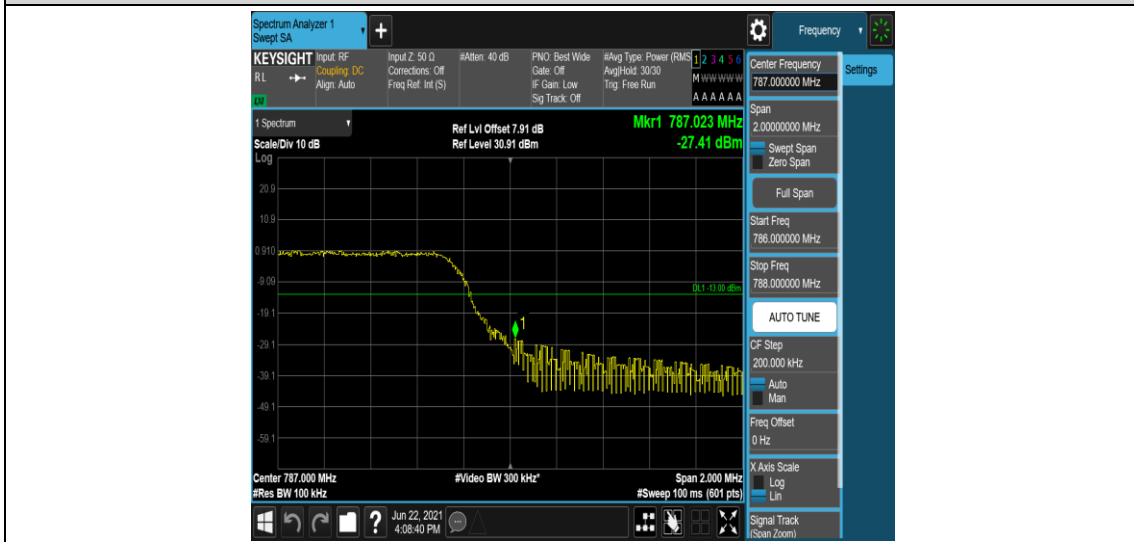
Band13-5MHz-QPSK-23255-1RB#0



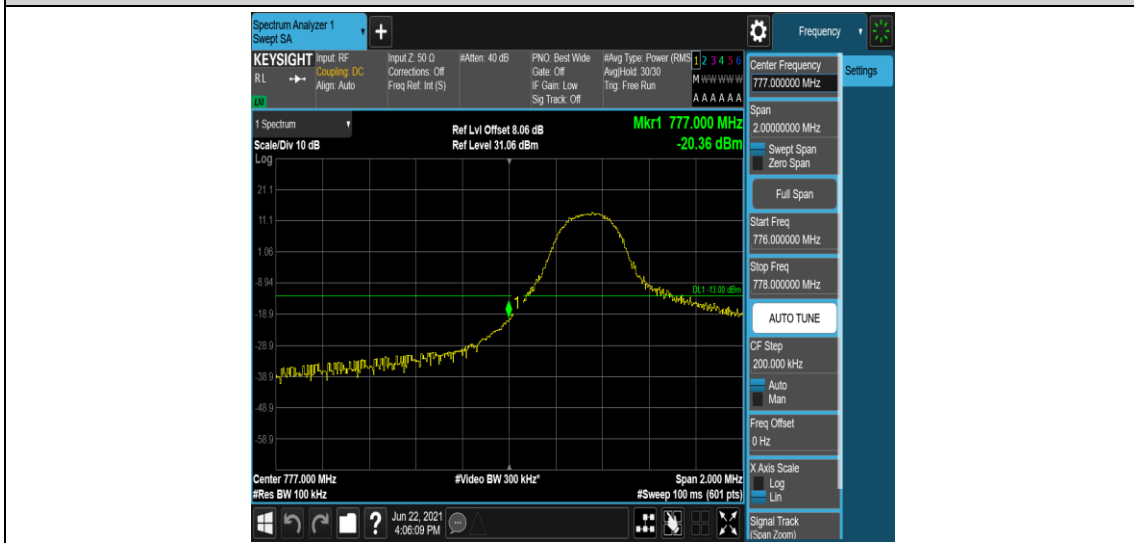
Band13-5MHz-QPSK-23255-1RB#24



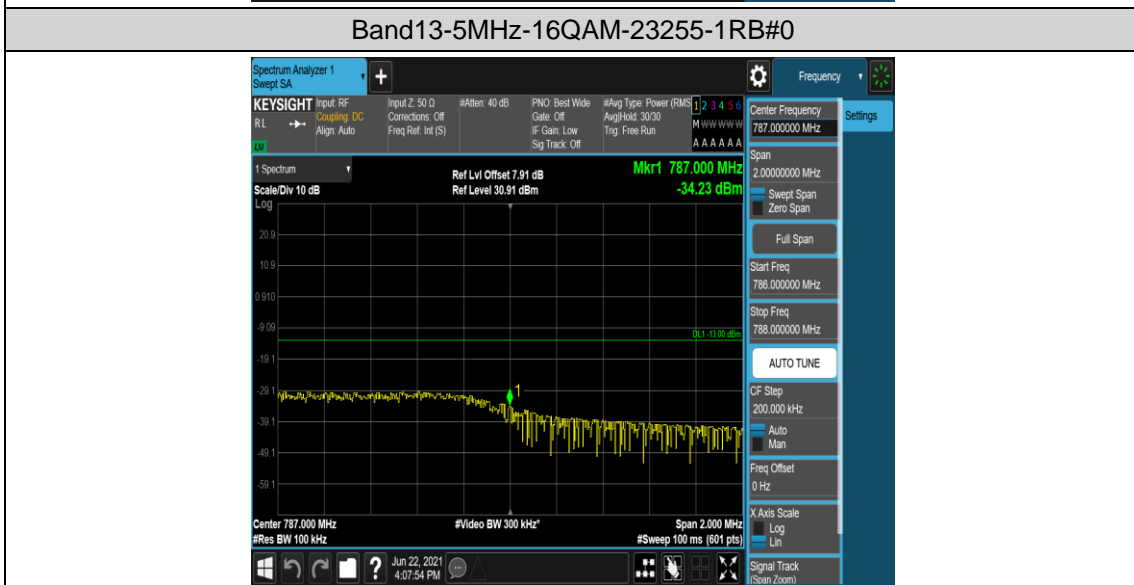
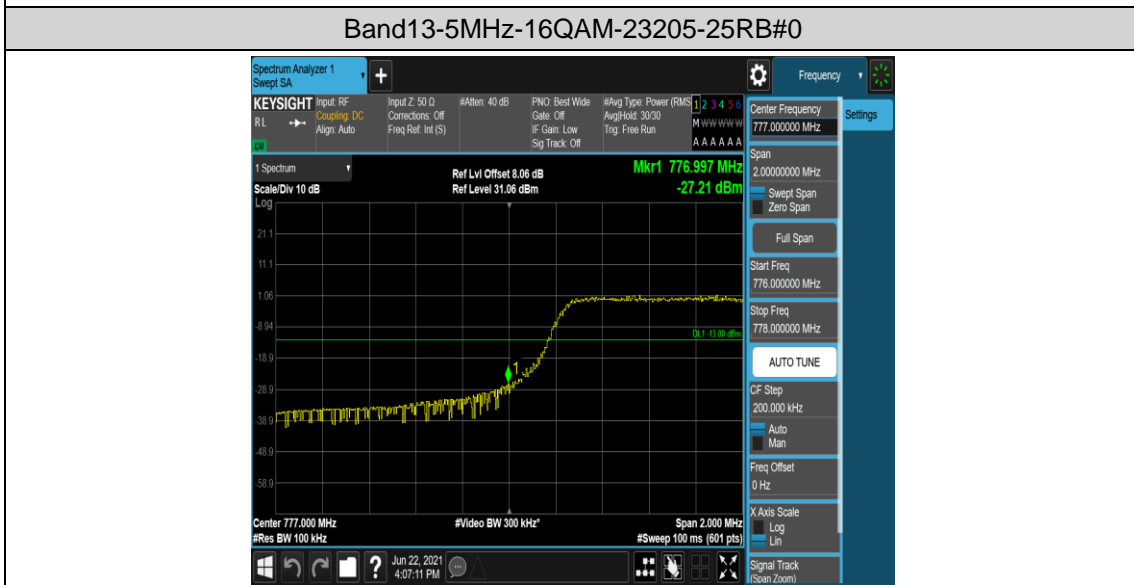
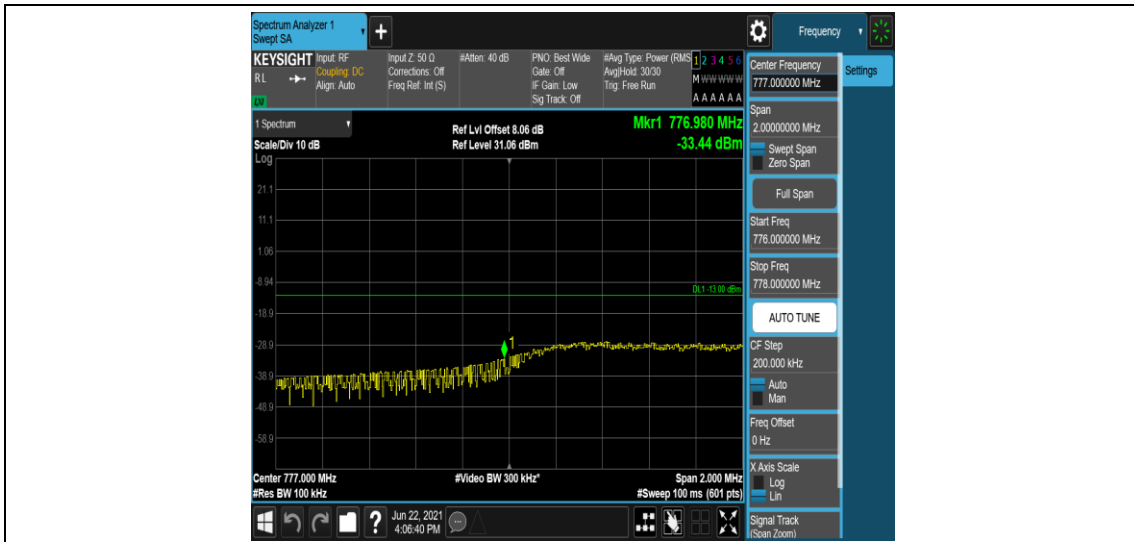
Band13-5MHz-QPSK-23255-25RB#0

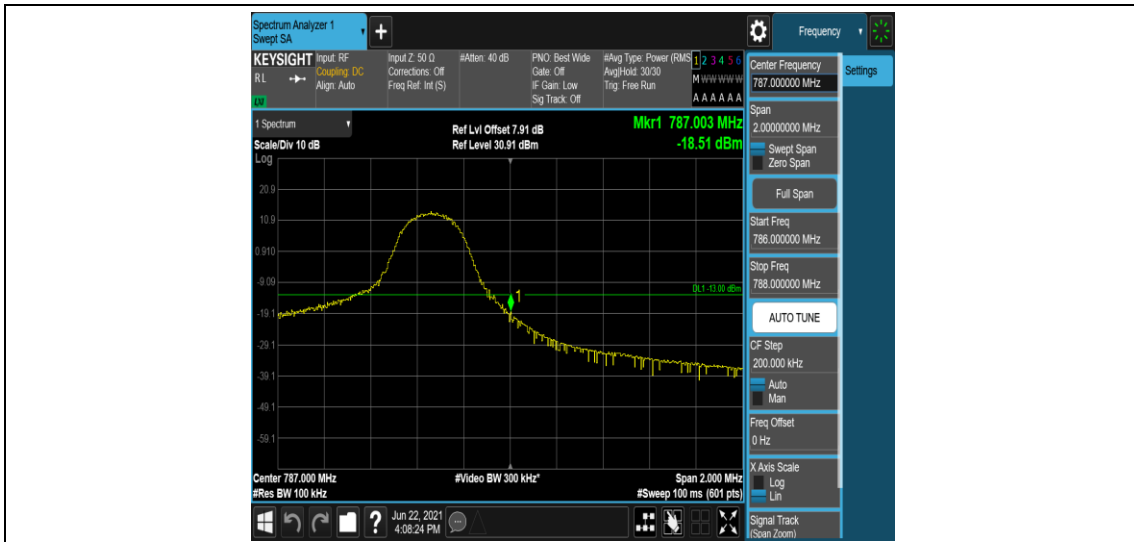


Band13-5MHz-16QAM-23205-1RB#0



Band13-5MHz-16QAM-23205-1RB#24





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



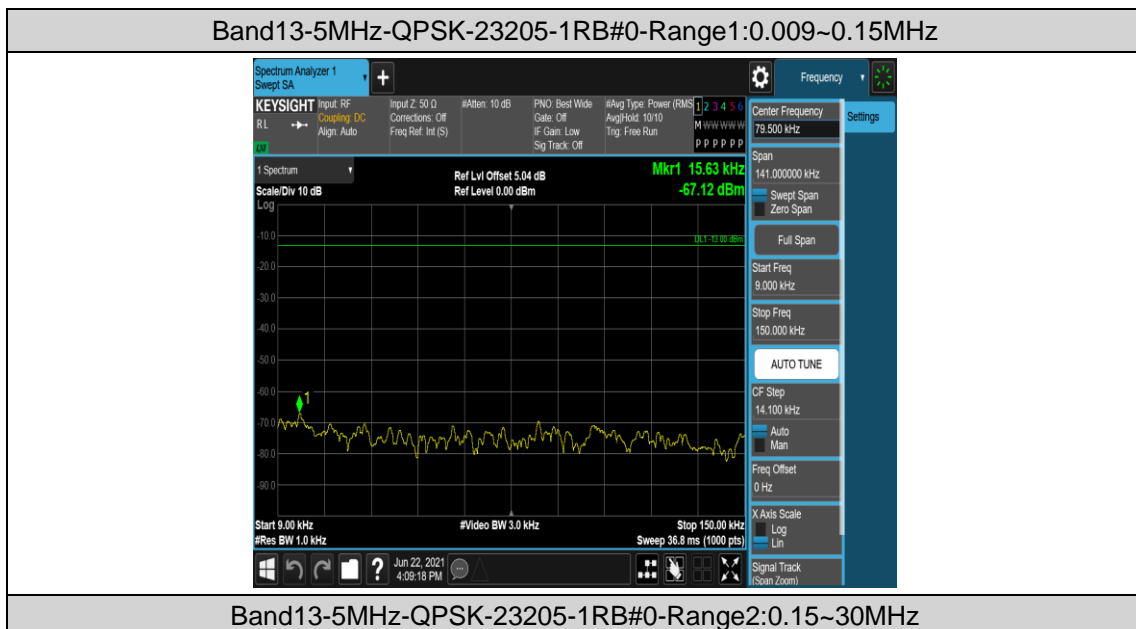
Appendix E: Conducted Spurious Emission

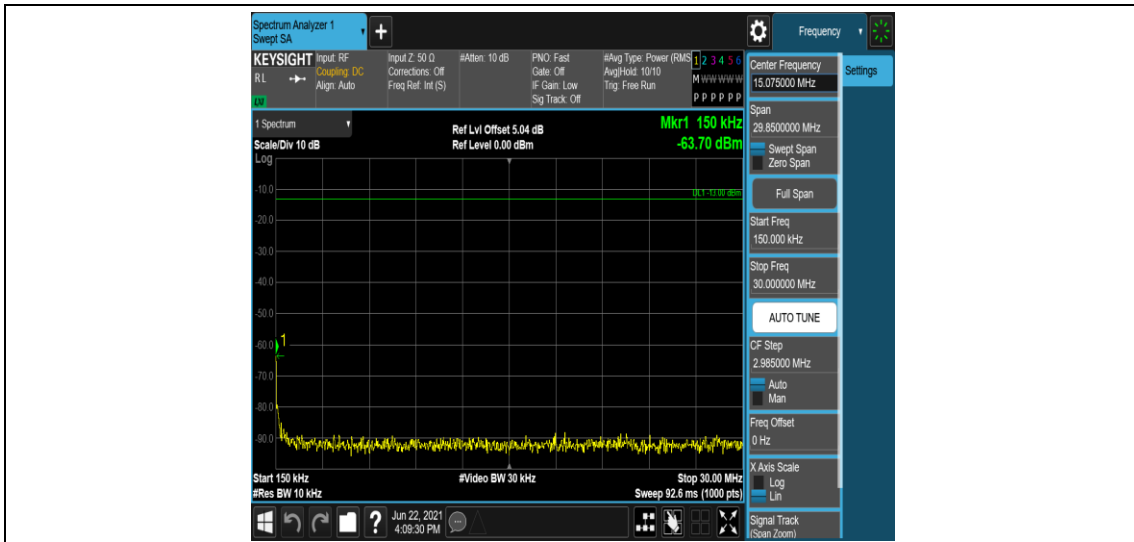
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Verdict
Band13	5MHz	QPSK	23205	1RB#0	Range1:0.009~0.15MHz	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range2:0.15~30MHz	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range3:30~1000MHz	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range5:763~775MHz	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range6:793~805MHz	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range4:1000~10000MHz	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range7:1559~1610MHz	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range1:0.009~0.15MHz	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range2:0.15~30MHz	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range3:30~1000MHz	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range5:763~775MHz	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range6:793~805MHz	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range4:1000~10000MHz	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range7:1559~1610MHz	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range1:0.009~0.15MHz	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range2:0.15~30MHz	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range3:30~1000MHz	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range5:763~775MHz	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range6:793~805MHz	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range4:1000~10000MHz	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range7:1559~1610MHz	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range1:0.009~0.15MHz	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range2:0.15~30MHz	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range3:30~1000MHz	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range5:763~775MHz	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range6:793~805MHz	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range4:1000~10000MHz	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range7:1559~1610MHz	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range1:0.009~0.15MHz	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range2:0.15~30MHz	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range3:30~1000MHz	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range5:763~775MHz	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range6:793~805MHz	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range4:1000~10000MHz	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range7:1559~1610MHz	PASS

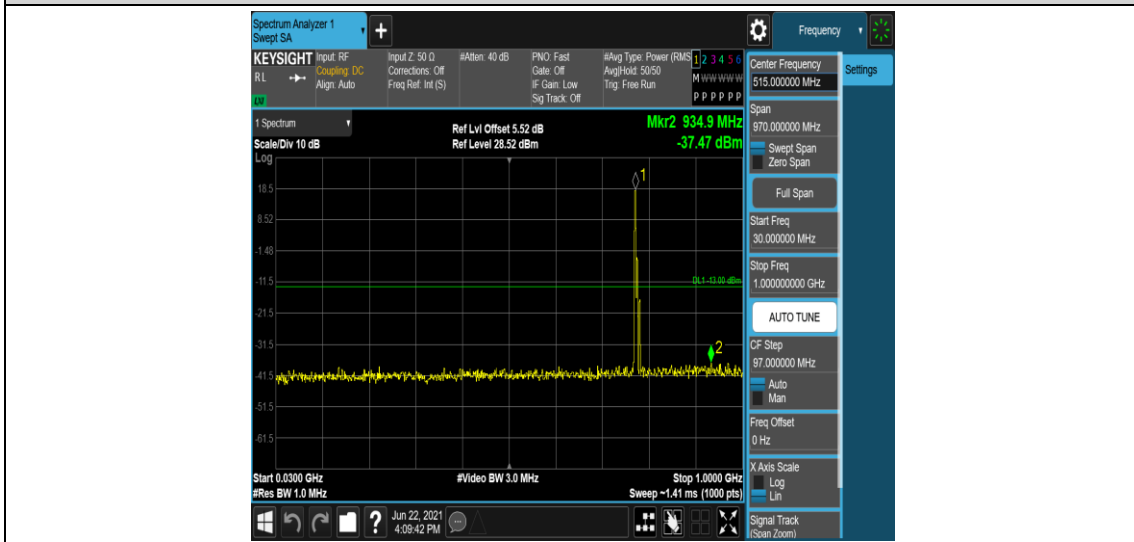
Band13	5MHz	16QAM	23255	1RB#0	Range1:0.009~0.15MHz	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range2:0.15~30MHz	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range3:30~1000MHz	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range5:763~775MHz	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range6:793~805MHz	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range4:1000~10000MHz	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range7:1559~1610MHz	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range1:0.009~0.15MHz	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range2:0.15~30MHz	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range3:30~1000MHz	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range5:763~775MHz	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range6:793~805MHz	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range4:1000~10000MHz	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range7:1559~1610MHz	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range1:0.009~0.15MHz	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range2:0.15~30MHz	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range3:30~1000MHz	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range5:763~775MHz	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range6:793~805MHz	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range4:1000~10000MHz	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range7:1559~1610MHz	PASS

Test Graphs

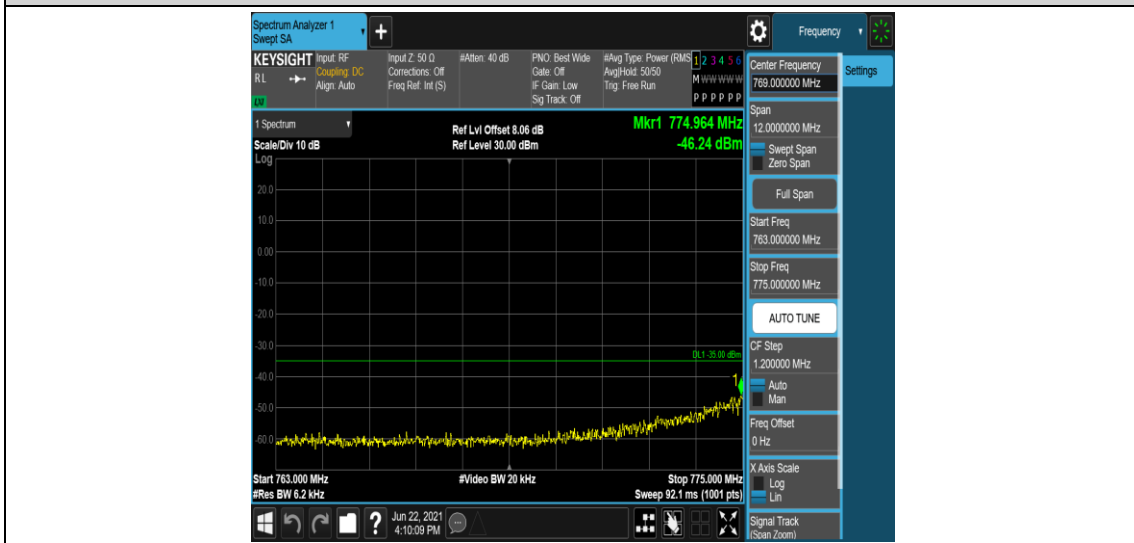




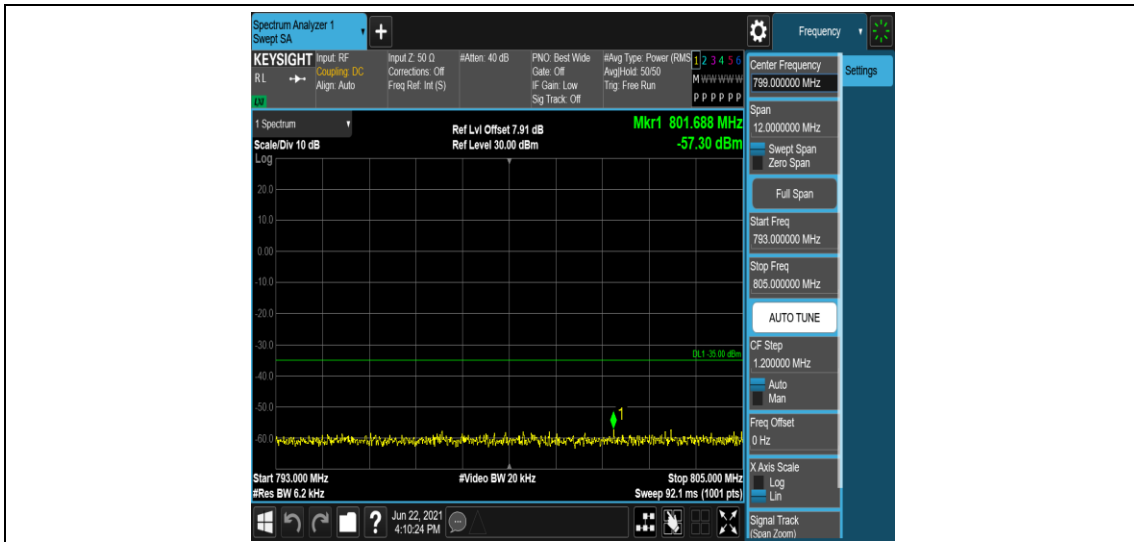
Band13-5MHz-QPSK-23205-1RB#0-Range3:30~1000MHz



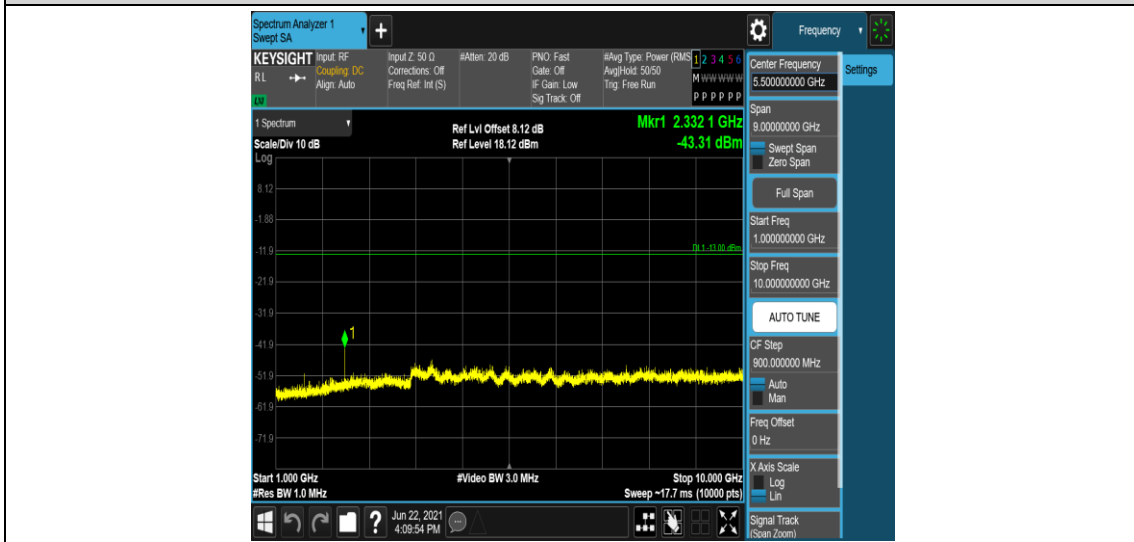
Band13-5MHz-QPSK-23205-1RB#0-Range5:763~775MHz



Band13-5MHz-QPSK-23205-1RB#0-Range6:793~805MHz



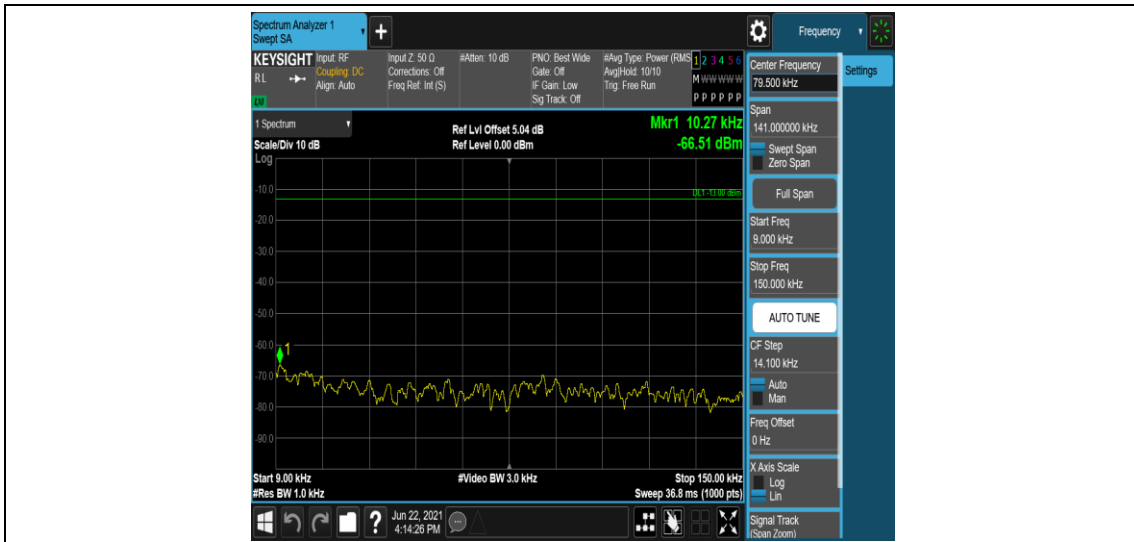
Band13-5MHz-QPSK-23205-1RB#0-Range4:1000~10000MHz



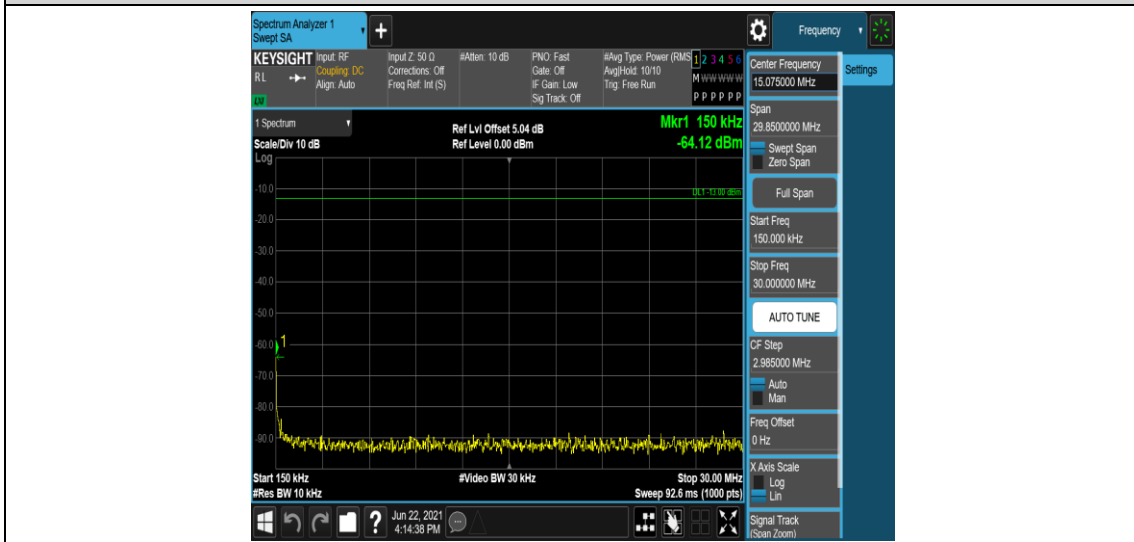
Band13-5MHz-QPSK-23205-1RB#0-Range7:1559~1610MHz



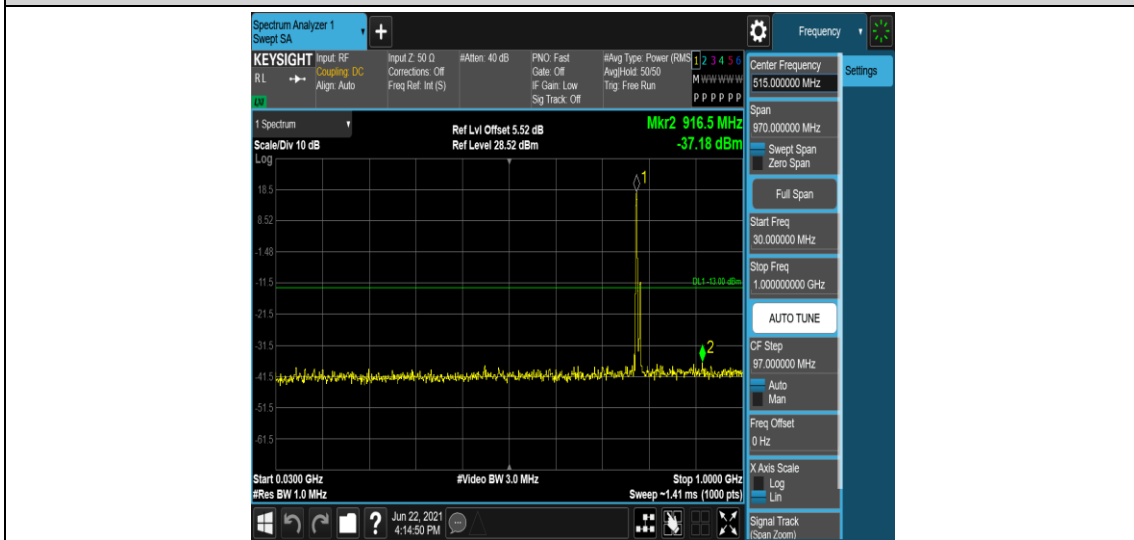
Band13-5MHz-QPSK-23230-1RB#0-Range1:0.009~0.15MHz



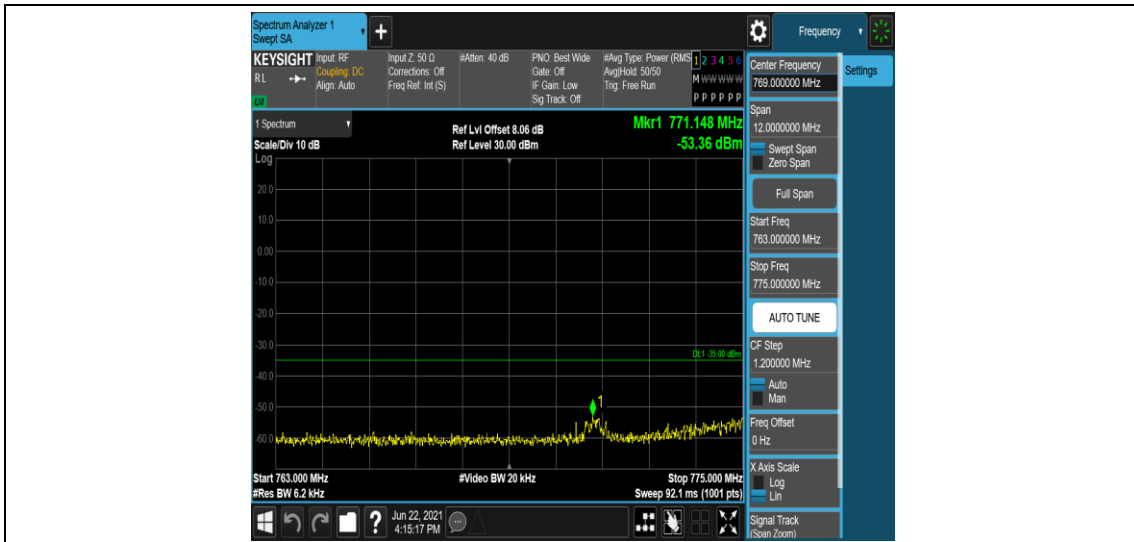
Band13-5MHz-QPSK-23230-1RB#0-Range2:0.15~30MHz



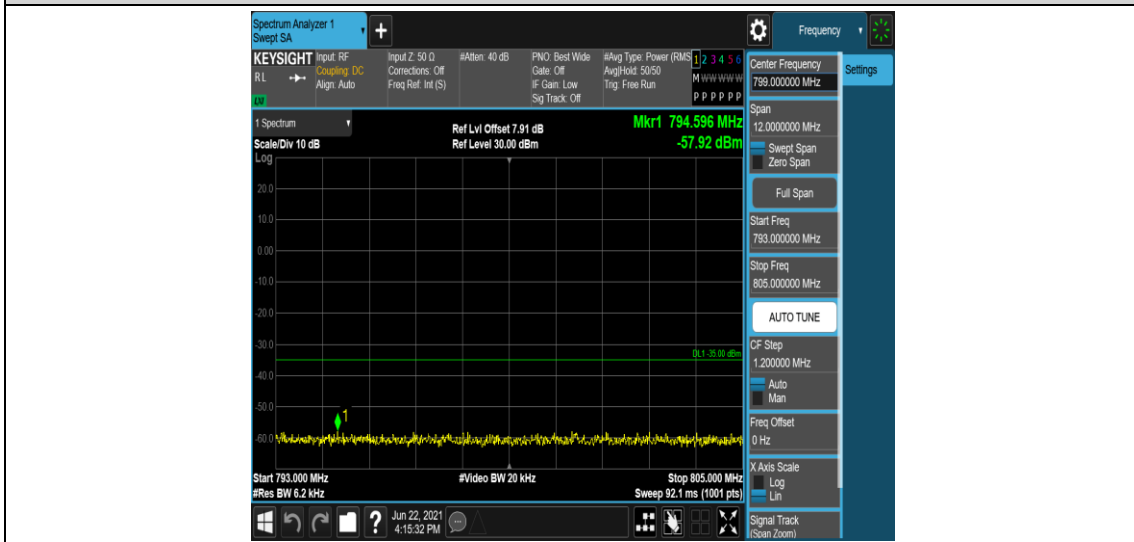
Band13-5MHz-QPSK-23230-1RB#0-Range3:30~100MHz



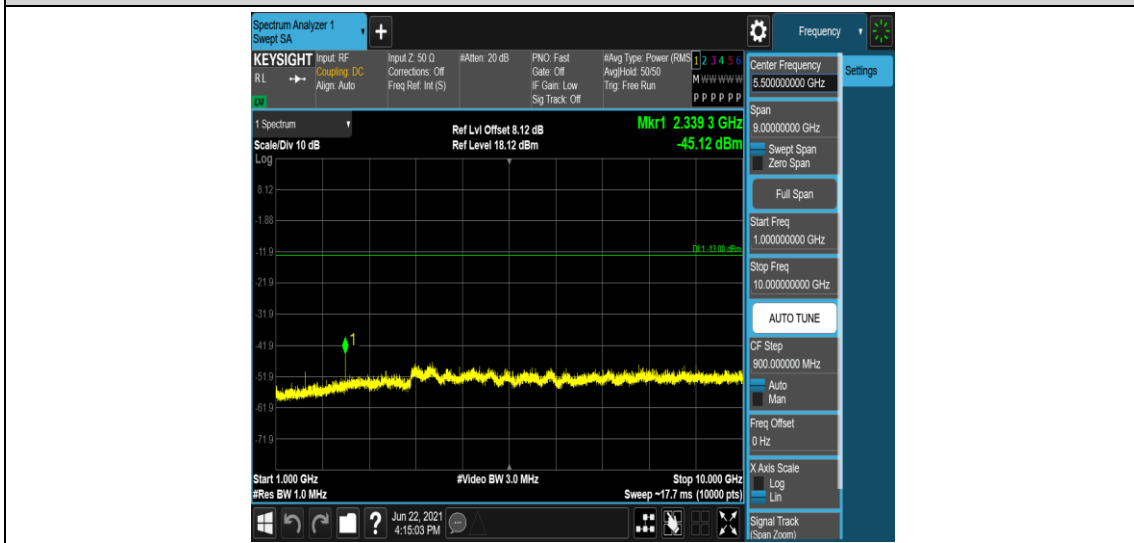
Band13-5MHz-QPSK-23230-1RB#0-Range5:763~775MHz



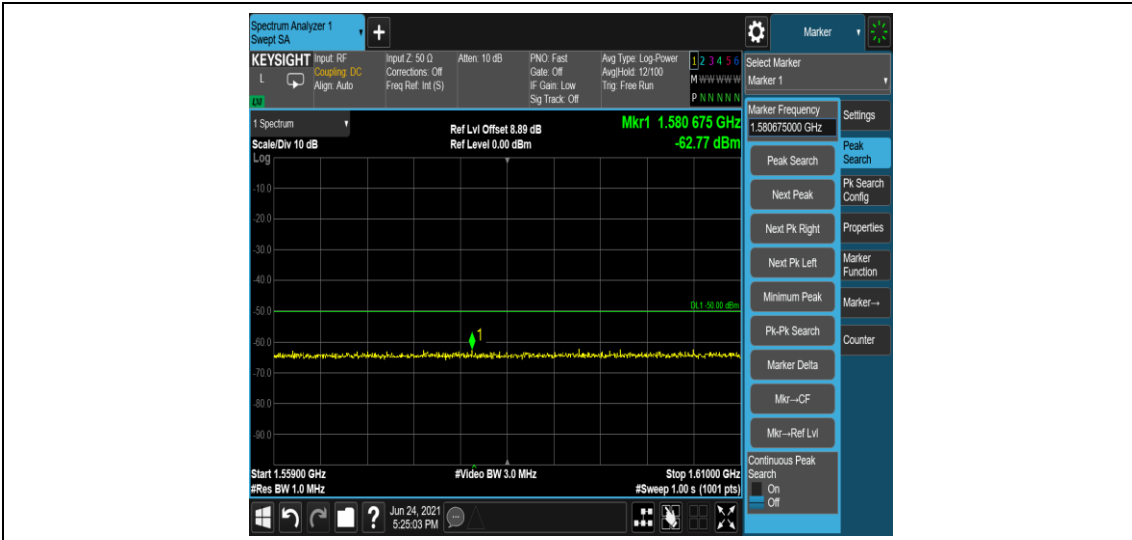
Band13-5MHz-QPSK-23230-1RB#0-Range6:793~805MHz



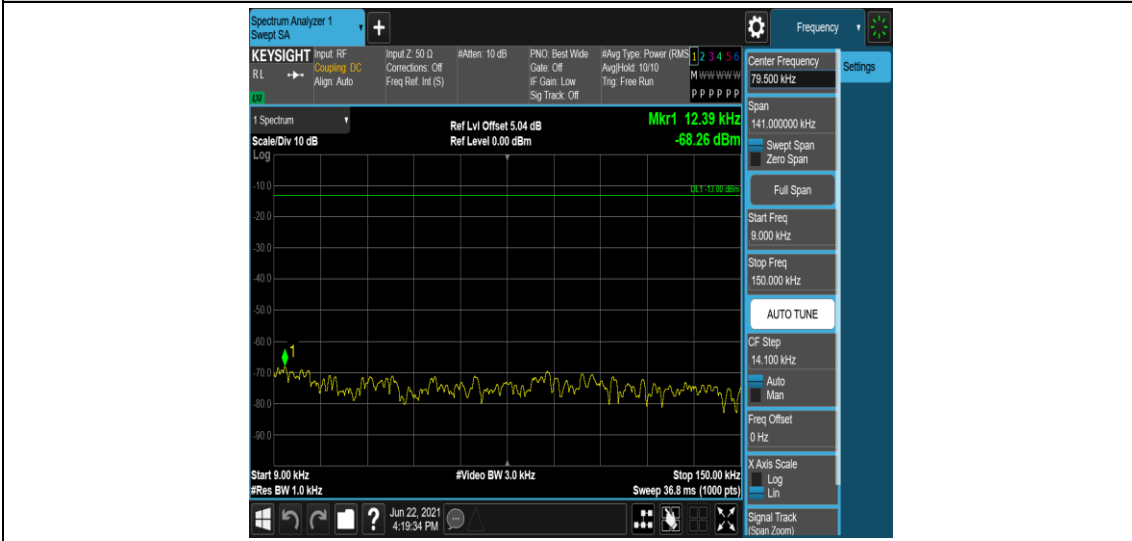
Band13-5MHz-QPSK-23230-1RB#0-Range4:1000~10000MHz



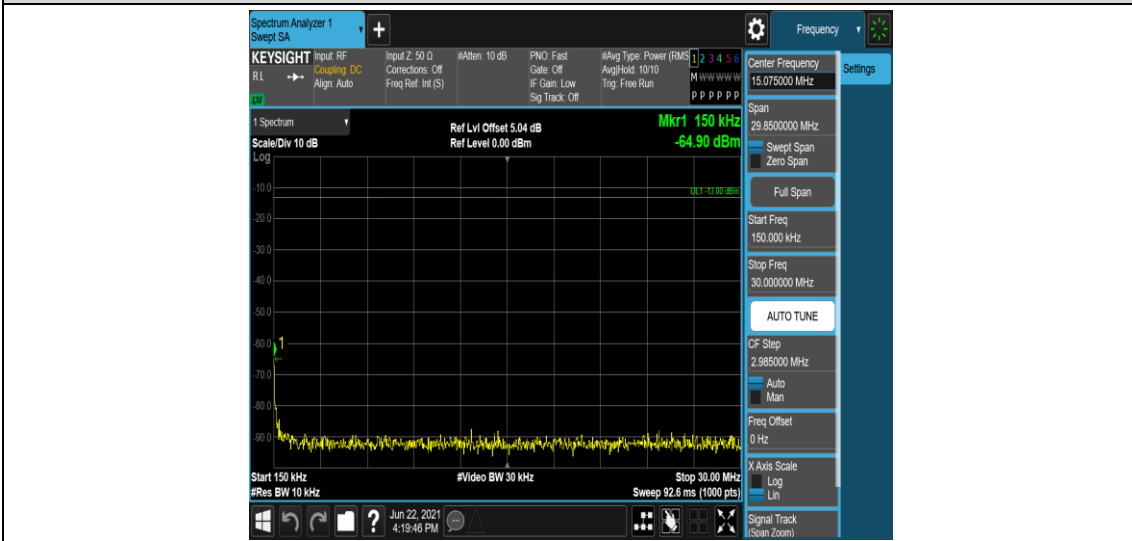
Band13-5MHz-QPSK-23230-1RB#0-Range7:1559~1610MHz



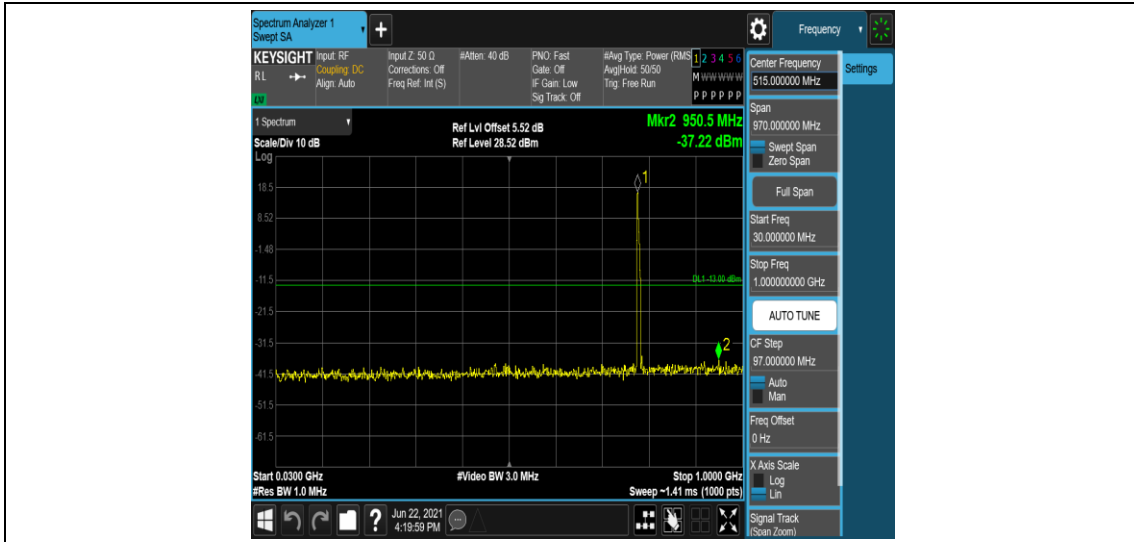
Band13-5MHz-QPSK-23255-1RB#0-Range1:0.009~0.15MHz



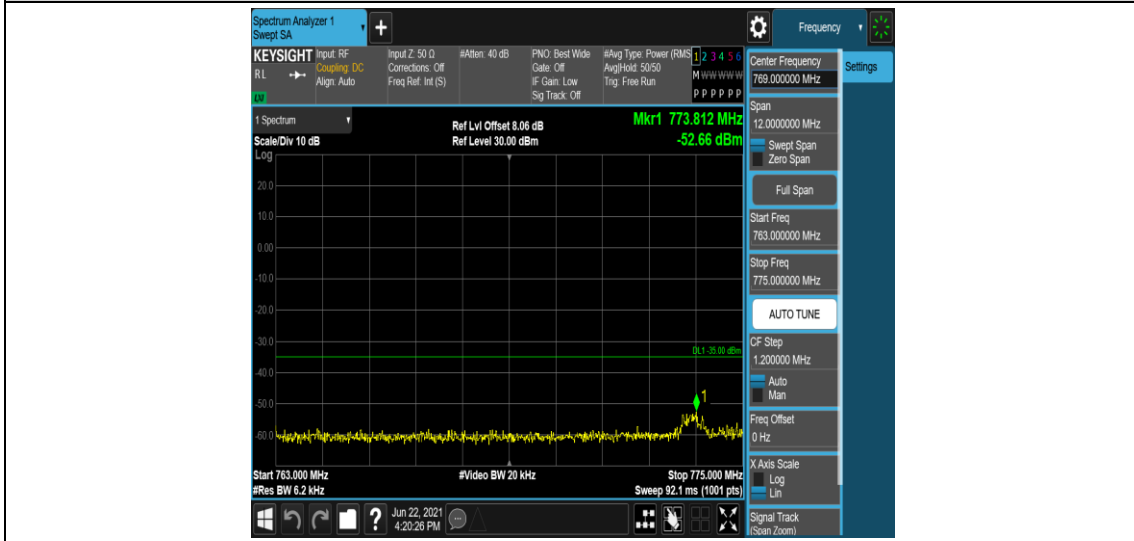
Band13-5MHz-QPSK-23255-1RB#0-Range2:0.15~30MHz



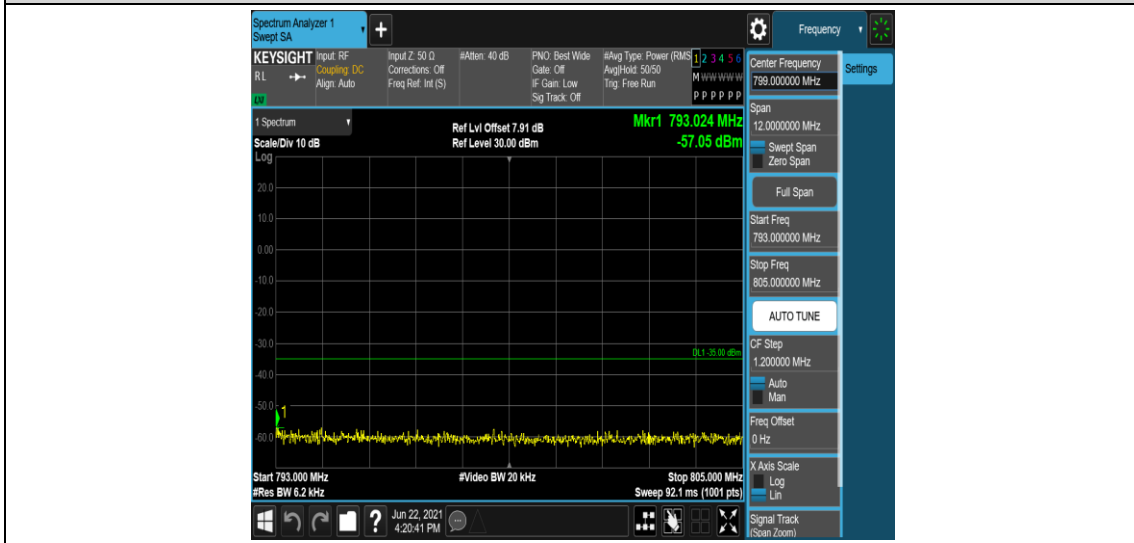
Band13-5MHz-QPSK-23255-1RB#0-Range3:30~1000MHz



Band13-5MHz-QPSK-23255-1RB#0-Range5:763~775MHz



Band13-5MHz-QPSK-23255-1RB#0-Range6:793~805MHz



Band13-5MHz-QPSK-23255-1RB#0-Range4:1000~10000MHz