

Appendix for Band 13

Product Name: Smart Phone

Model No: F92e 5G

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	23.20	PASS
Band13	5MHz	QPSK	23205	1RB#12	23.11	PASS
Band13	5MHz	QPSK	23205	1RB#24	23.00	PASS
Band13	5MHz	QPSK	23205	12RB#0	22.43	PASS
Band13	5MHz	QPSK	23205	12RB#6	22.44	PASS
Band13	5MHz	QPSK	23205	12RB#13	22.34	PASS
Band13	5MHz	QPSK	23205	25RB#0	22.40	PASS
Band13	5MHz	QPSK	23230	1RB#0	23.24	PASS
Band13	5MHz	QPSK	23230	1RB#12	22.81	PASS
Band13	5MHz	QPSK	23230	1RB#24	22.75	PASS
Band13	5MHz	QPSK	23230	12RB#0	22.37	PASS
Band13	5MHz	QPSK	23230	12RB#6	22.34	PASS
Band13	5MHz	QPSK	23230	12RB#13	22.15	PASS
Band13	5MHz	QPSK	23230	25RB#0	22.28	PASS
Band13	5MHz	QPSK	23255	1RB#0	23.06	PASS
Band13	5MHz	QPSK	23255	1RB#12	22.73	PASS
Band13	5MHz	QPSK	23255	1RB#24	22.75	PASS
Band13	5MHz	QPSK	23255	12RB#0	22.20	PASS
Band13	5MHz	QPSK	23255	12RB#6	22.19	PASS
Band13	5MHz	QPSK	23255	12RB#13	22.14	PASS
Band13	5MHz	QPSK	23255	25RB#0	22.18	PASS
Band13	5MHz	16QAM	23205	1RB#0	22.01	PASS
Band13	5MHz	16QAM	23205	1RB#12	21.97	PASS
Band13	5MHz	16QAM	23205	1RB#24	21.78	PASS
Band13	5MHz	16QAM	23205	12RB#0	21.40	PASS
Band13	5MHz	16QAM	23205	12RB#6	21.43	PASS
Band13	5MHz	16QAM	23205	12RB#13	21.25	PASS
Band13	5MHz	16QAM	23205	25RB#0	21.39	PASS
Band13	5MHz	16QAM	23230	1RB#0	22.27	PASS
Band13	5MHz	16QAM	23230	1RB#12	21.83	PASS
Band13	5MHz	16QAM	23230	1RB#24	21.81	PASS

Band13	5MHz	16QAM	23230	12RB#0	21.37	PASS
Band13	5MHz	16QAM	23230	12RB#6	21.36	PASS
Band13	5MHz	16QAM	23230	12RB#13	21.16	PASS
Band13	5MHz	16QAM	23230	25RB#0	21.26	PASS
Band13	5MHz	16QAM	23255	1RB#0	21.76	PASS
Band13	5MHz	16QAM	23255	1RB#12	21.56	PASS
Band13	5MHz	16QAM	23255	1RB#24	21.60	PASS
Band13	5MHz	16QAM	23255	12RB#0	21.20	PASS
Band13	5MHz	16QAM	23255	12RB#6	21.17	PASS
Band13	5MHz	16QAM	23255	12RB#13	21.08	PASS
Band13	5MHz	16QAM	23255	25RB#0	21.19	PASS
Band13	10MHz	QPSK	23230	1RB#0	23.29	PASS
Band13	10MHz	QPSK	23230	1RB#24	22.85	PASS
Band13	10MHz	QPSK	23230	1RB#49	22.69	PASS
Band13	10MHz	QPSK	23230	25RB#0	22.36	PASS
Band13	10MHz	QPSK	23230	25RB#12	22.40	PASS
Band13	10MHz	QPSK	23230	25RB#25	22.07	PASS
Band13	10MHz	QPSK	23230	50RB#0	22.28	PASS
Band13	10MHz	16QAM	23230	1RB#0	21.95	PASS
Band13	10MHz	16QAM	23230	1RB#24	21.69	PASS
Band13	10MHz	16QAM	23230	1RB#49	21.53	PASS
Band13	10MHz	16QAM	23230	25RB#0	21.35	PASS
Band13	10MHz	16QAM	23230	25RB#12	21.38	PASS
Band13	10MHz	16QAM	23230	25RB#25	21.08	PASS
Band13	10MHz	16QAM	23230	50RB#0	21.22	PASS

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

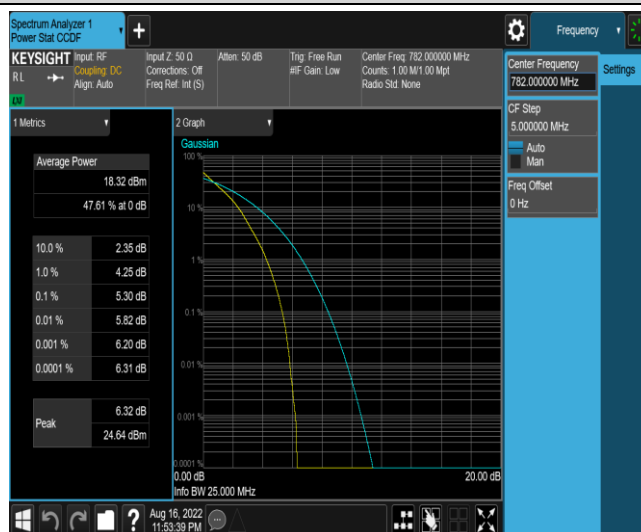
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	4.87	13	PASS
Band13	5MHz	QPSK	23205	25RB#0	5.31	13	PASS
Band13	5MHz	QPSK	23230	1RB#0	5.10	13	PASS
Band13	5MHz	QPSK	23230	25RB#0	5.30	13	PASS
Band13	5MHz	QPSK	23255	1RB#0	4.97	13	PASS
Band13	5MHz	QPSK	23255	25RB#0	5.29	13	PASS
Band13	5MHz	16QAM	23205	1RB#0	5.36	13	PASS
Band13	5MHz	16QAM	23205	25RB#0	6.04	13	PASS
Band13	5MHz	16QAM	23230	1RB#0	5.67	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	6.05	13	PASS
Band13	5MHz	16QAM	23255	1RB#0	5.57	13	PASS
Band13	5MHz	16QAM	23255	25RB#0	6.05	13	PASS
Band13	10MHz	QPSK	23230	1RB#0	4.88	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	5.24	13	PASS
Band13	10MHz	16QAM	23230	1RB#0	5.66	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	6.04	13	PASS

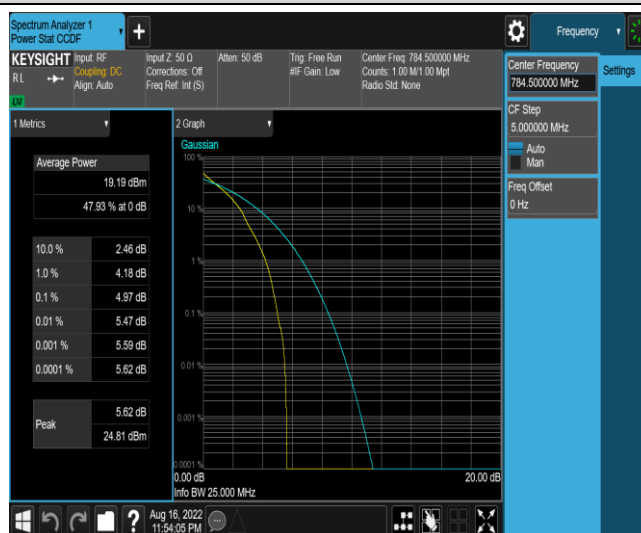
Test Graphs



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



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



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



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



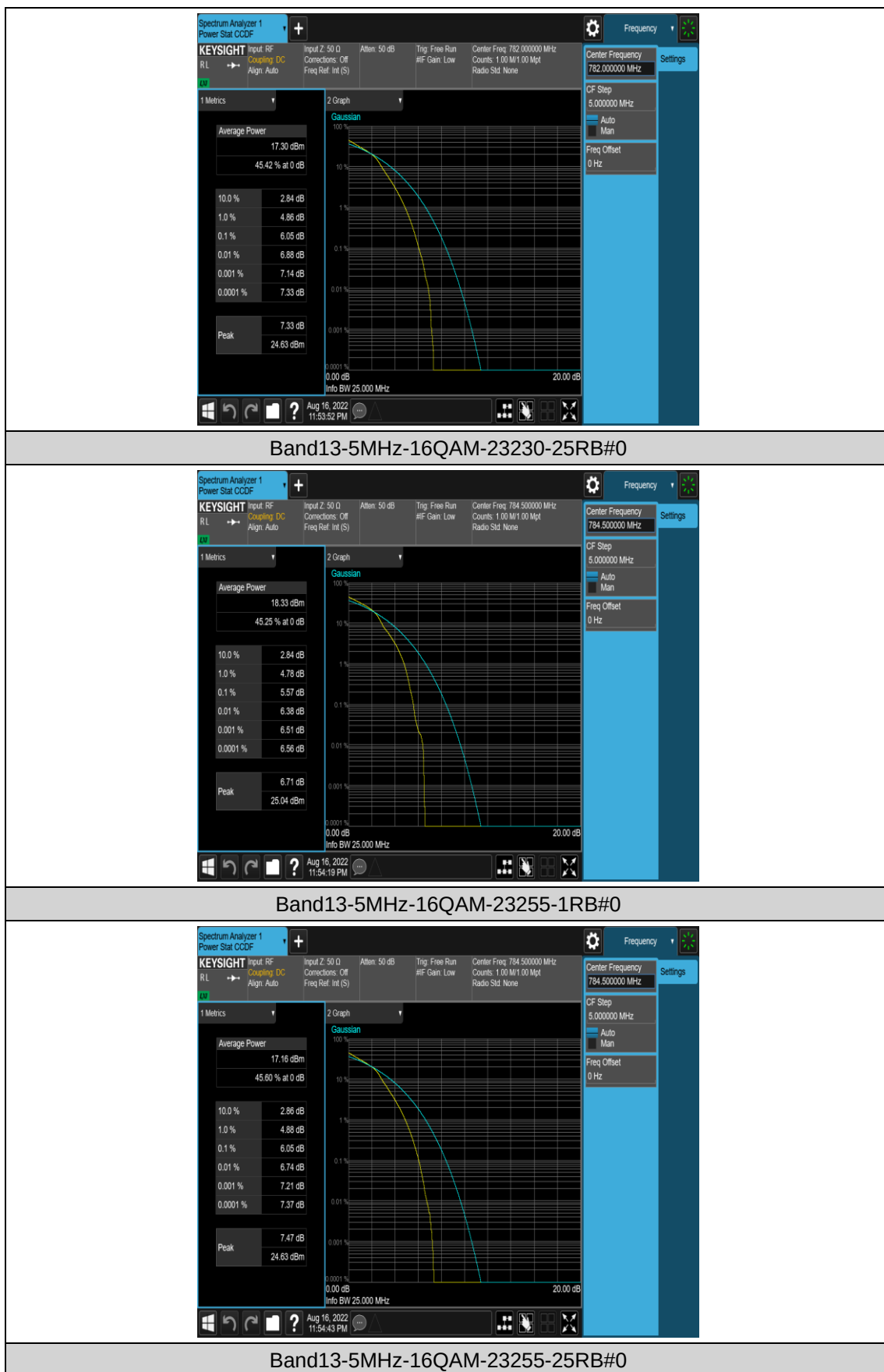
Band13-5MHz-16QAM-23205-1RB#0

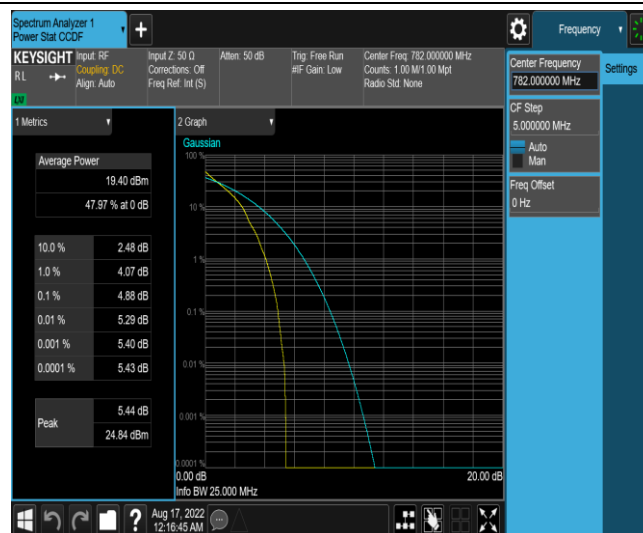


Band13-5MHz-16QAM-23205-25RB#0



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





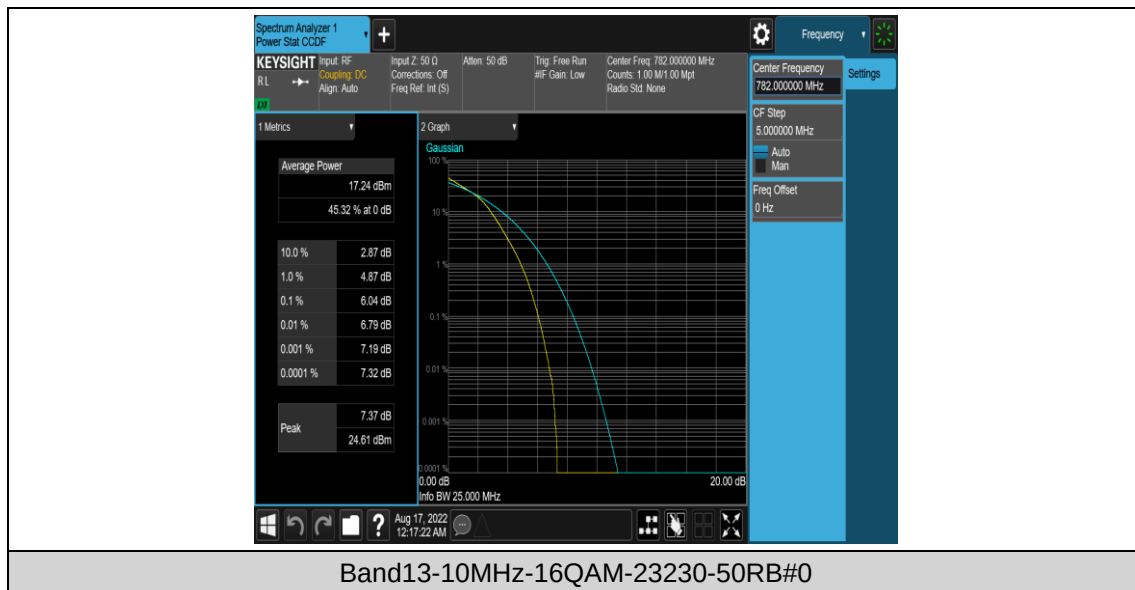
Band13-10MHz-QPSK-23230-1RB#0



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



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

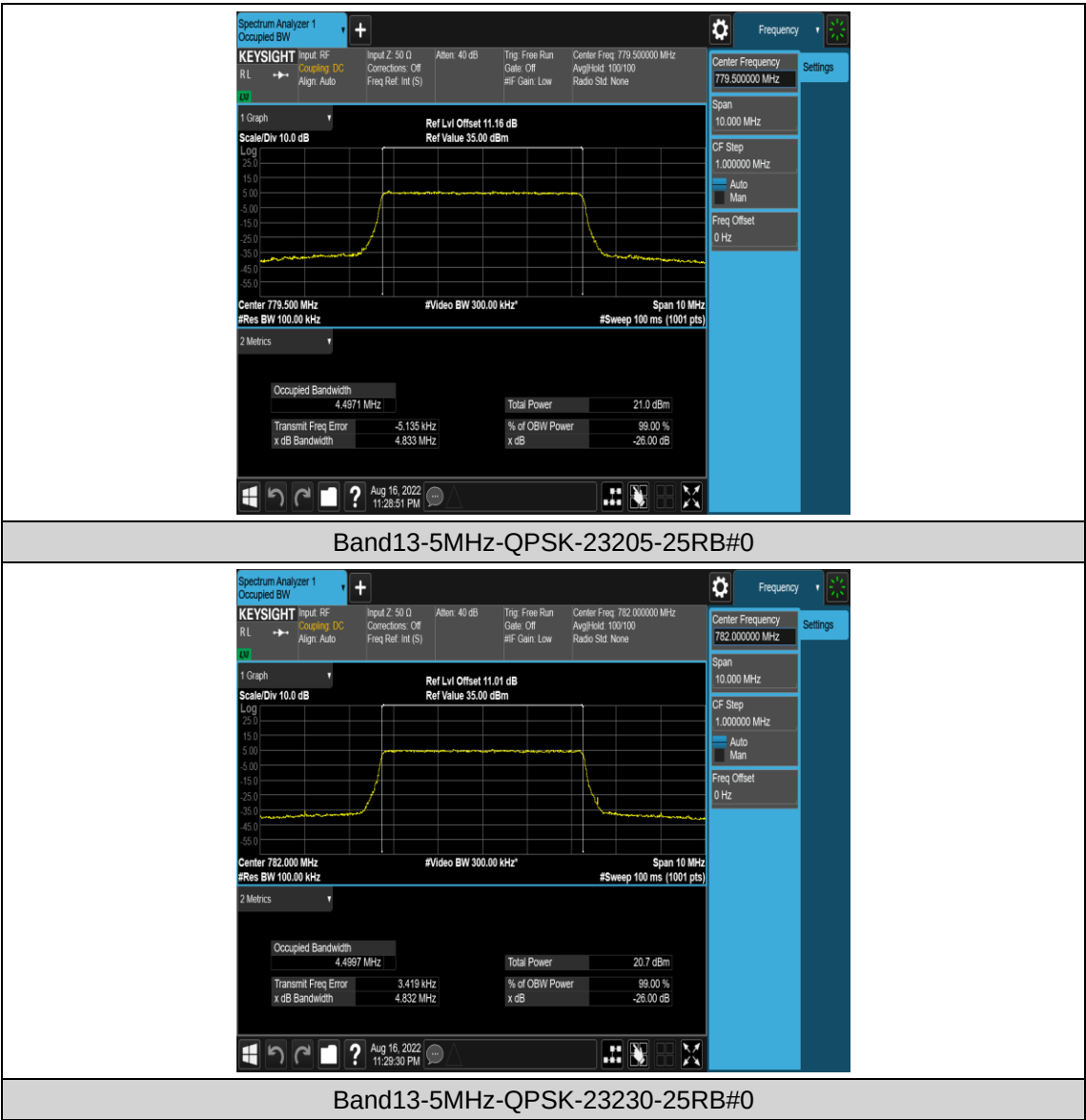


Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.4971	4.833	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.4997	4.832	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.5076	4.848	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.5039	4.821	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.4946	4.857	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.5020	4.878	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9686	9.526	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.9560	9.493	PASS

Test Graphs





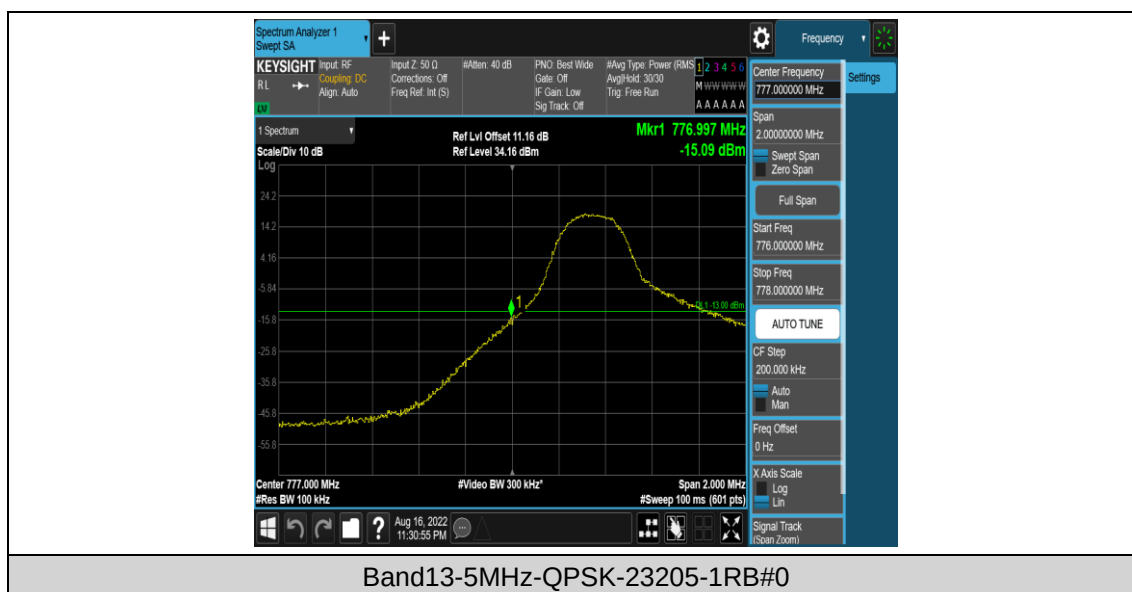


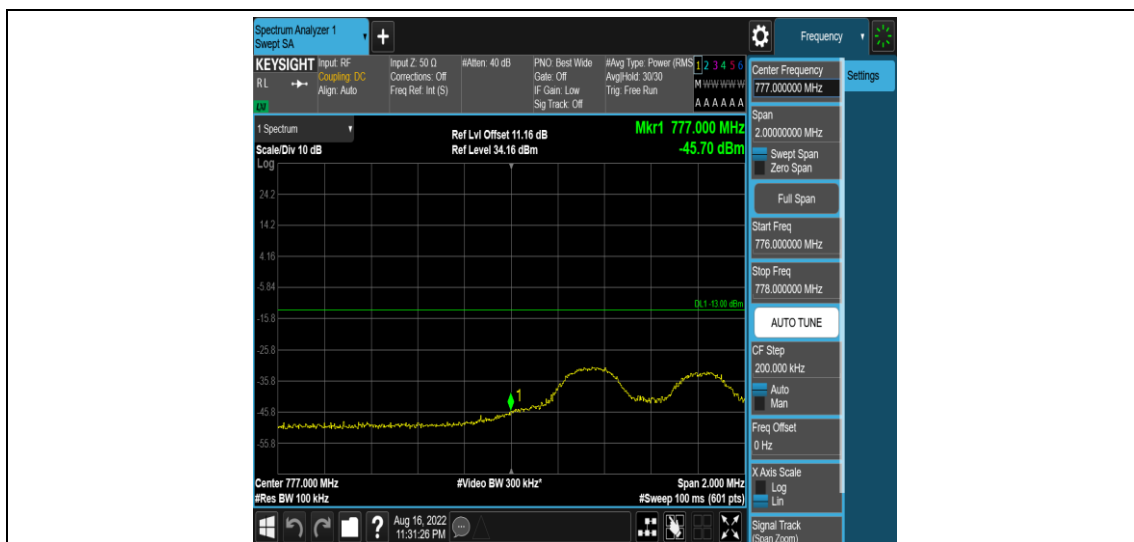
Appendix D: Band Edge

Test Result

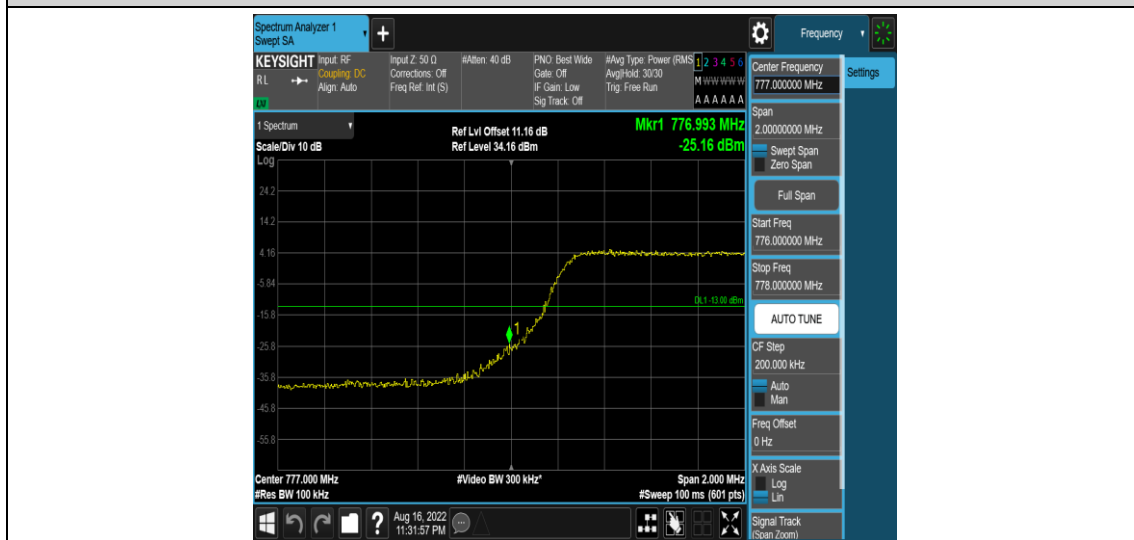
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	-15.09	PASS
Band13	5MHz	QPSK	23205	1RB#24	-45.70	PASS
Band13	5MHz	QPSK	23205	25RB#0	-25.16	PASS
Band13	5MHz	QPSK	23255	1RB#0	-42.23	PASS
Band13	5MHz	QPSK	23255	1RB#24	-14.05	PASS
Band13	5MHz	QPSK	23255	25RB#0	-27.16	PASS
Band13	5MHz	16QAM	23205	1RB#0	-14.77	PASS
Band13	5MHz	16QAM	23205	1RB#24	-46.39	PASS
Band13	5MHz	16QAM	23205	25RB#0	-27.07	PASS
Band13	5MHz	16QAM	23255	1RB#0	-41.30	PASS
Band13	5MHz	16QAM	23255	1RB#24	-14.76	PASS
Band13	5MHz	16QAM	23255	25RB#0	-28.90	PASS

Test Graphs

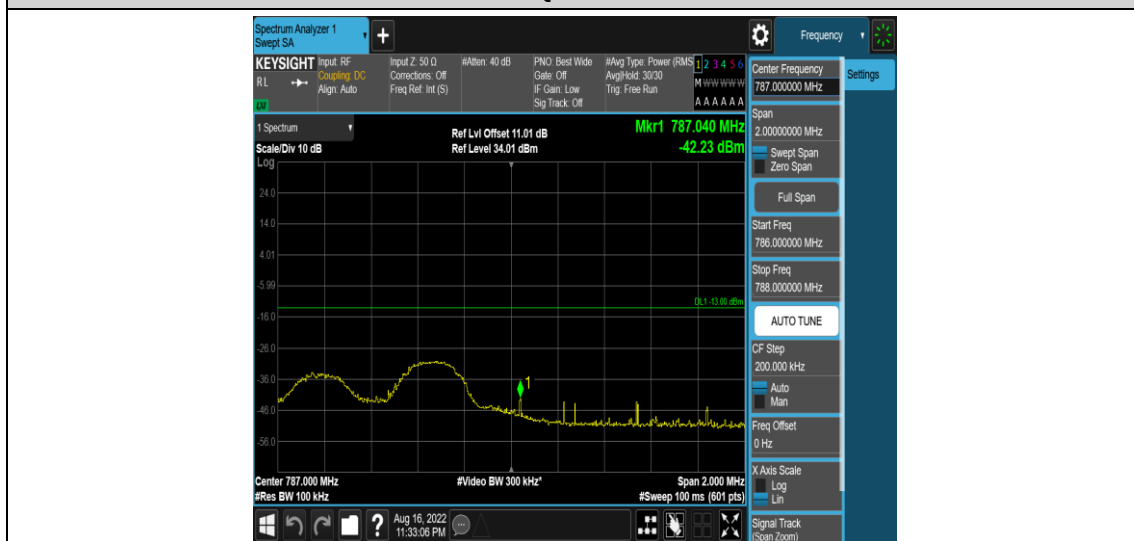




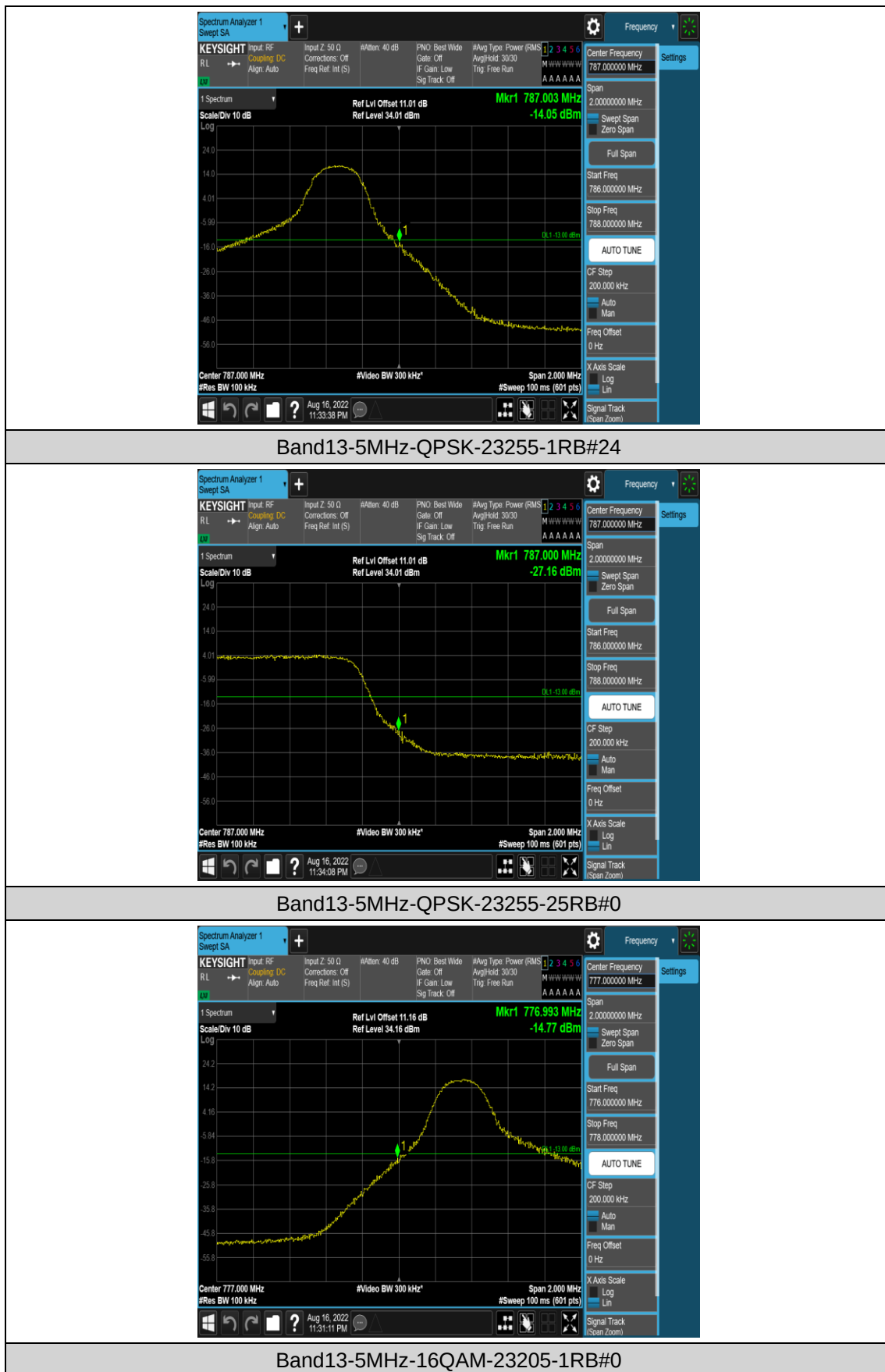
Band13-5MHz-QPSK-23205-1RB#24



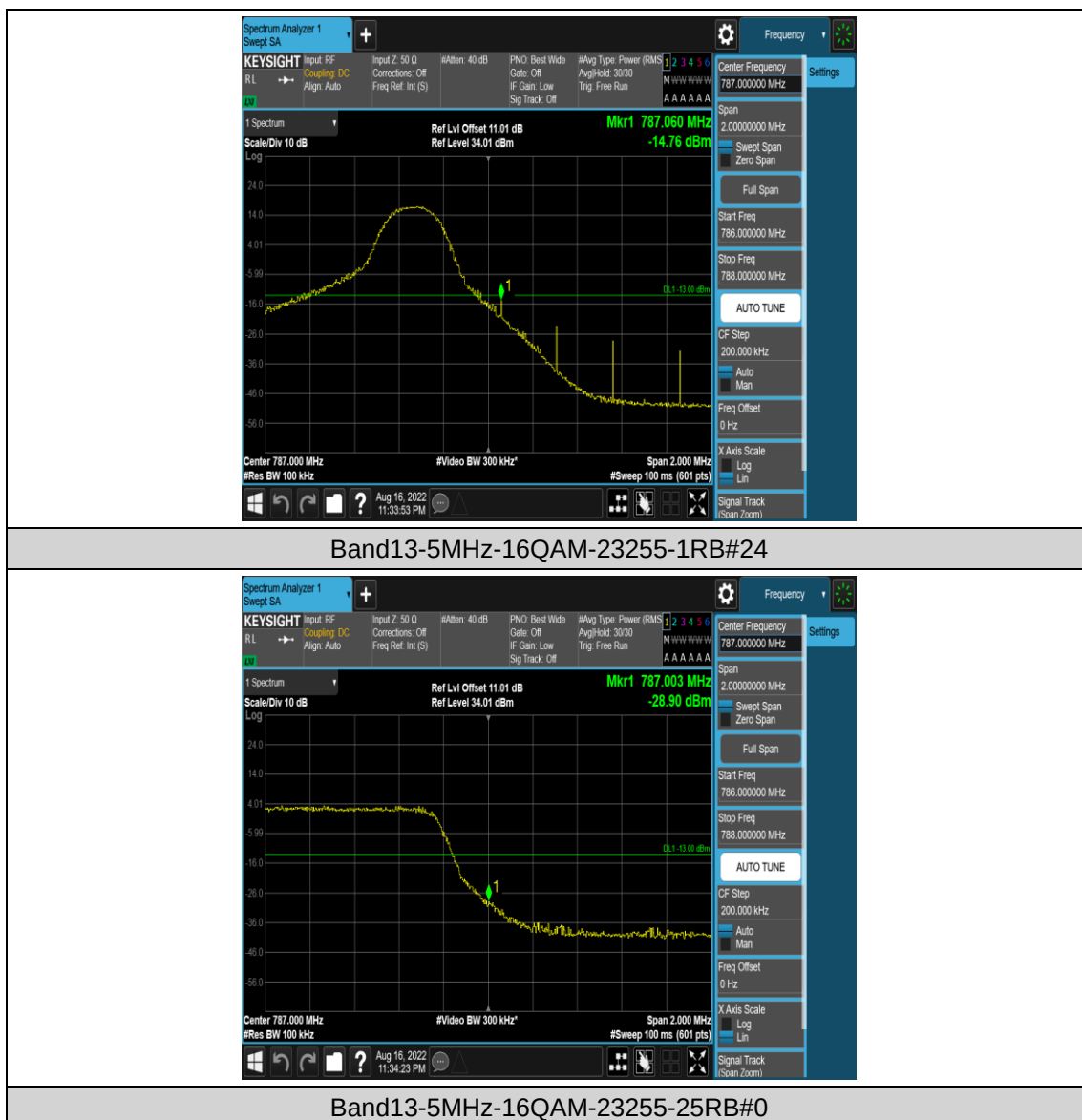
Band13-5MHz-QPSK-23205-25RB#0



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







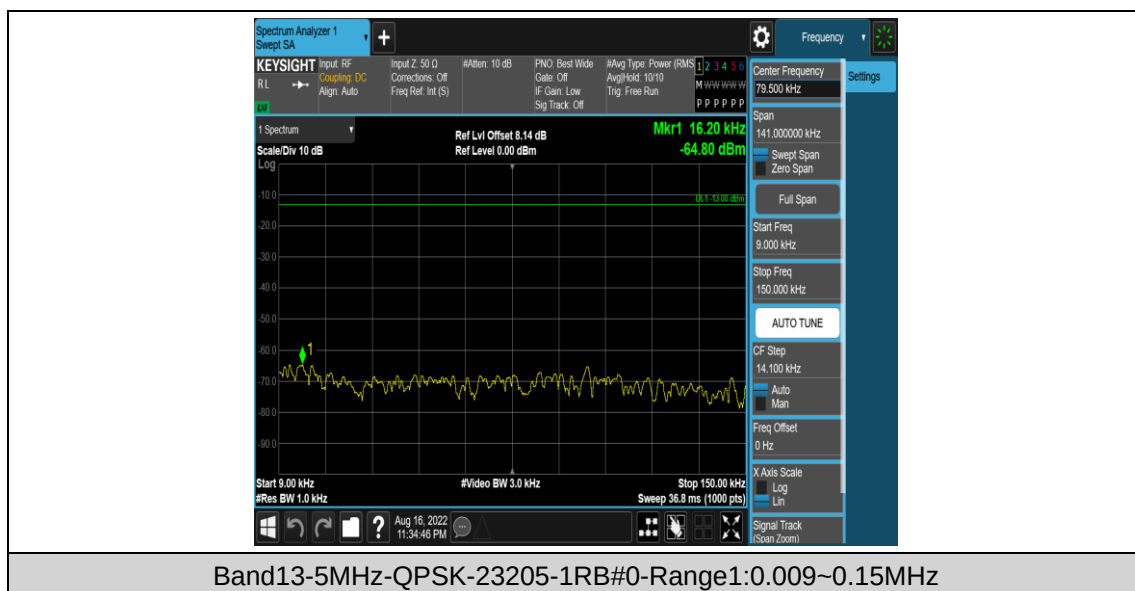
Appendix E: Conducted Spurious Emission

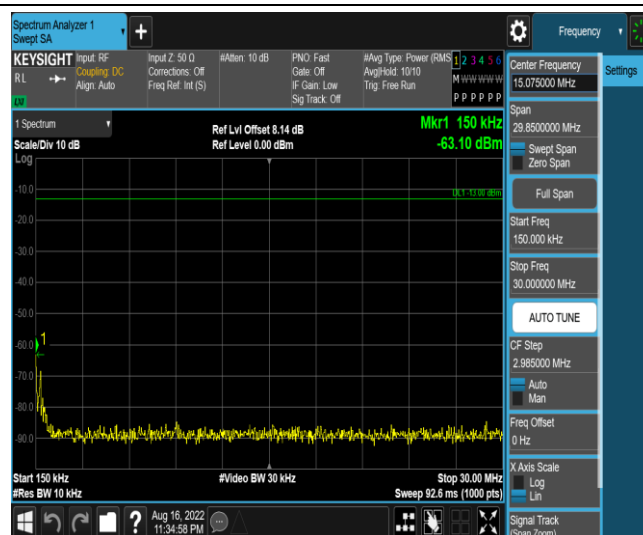
Test Result

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	FAIL
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	FAIL
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	FAIL

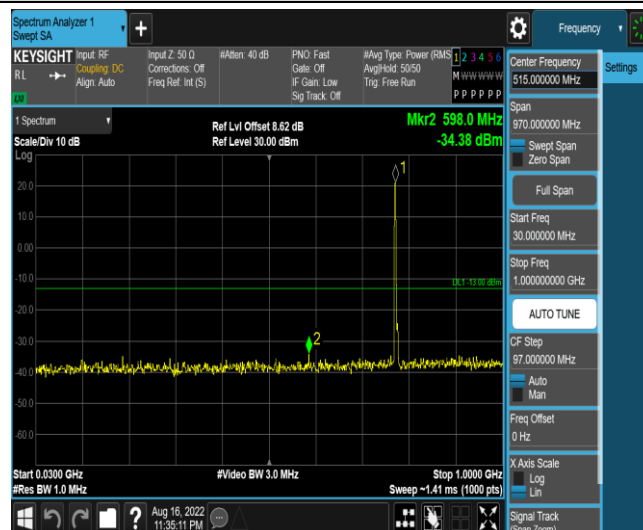
Band13	5MHz	16QAM	23255	1RB#0	Range1:0.009~0.15MHz	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range2:0.15~30MHz	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range3:30~1000MHz	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range5:763~775MHz	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range6:793~805MHz	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range4:1000~10000MHz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

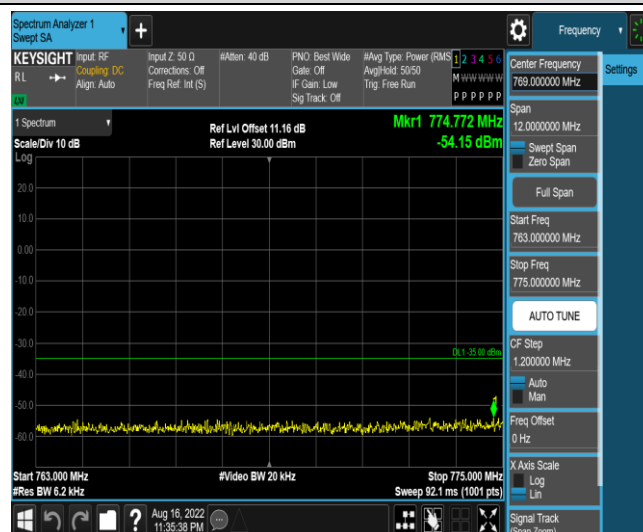




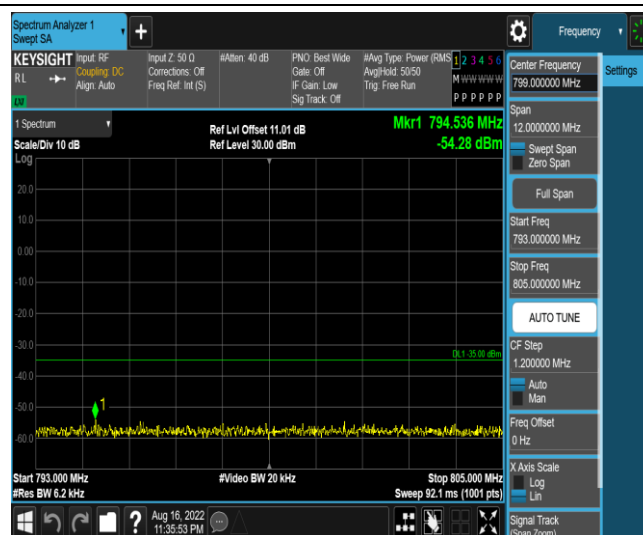
Band13-5MHz-QPSK-23205-1RB#0-Range2:0.15~30MHz



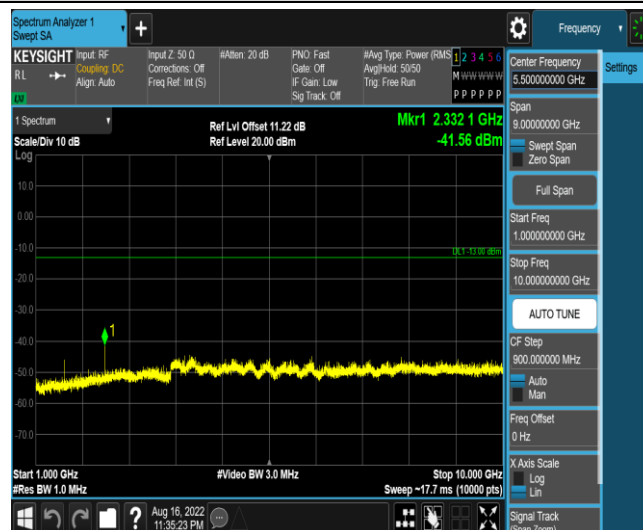
Band13-5MHz-QPSK-23205-1RB#0-Range3:30~1000MHz



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



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



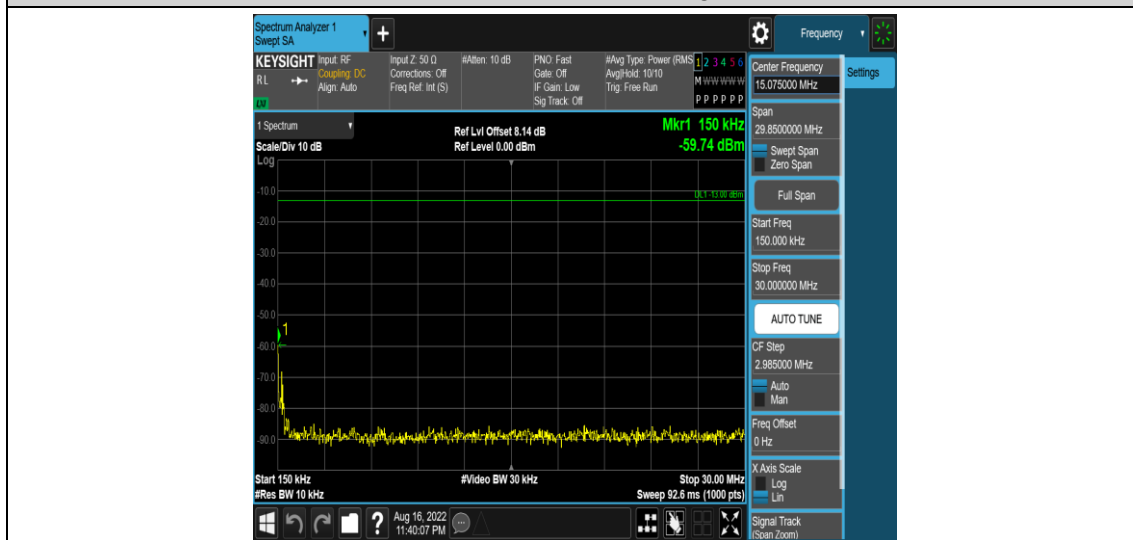
Band13-5MHz-QPSK-23205-1RB#0-Range4:1000~10000MHz



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



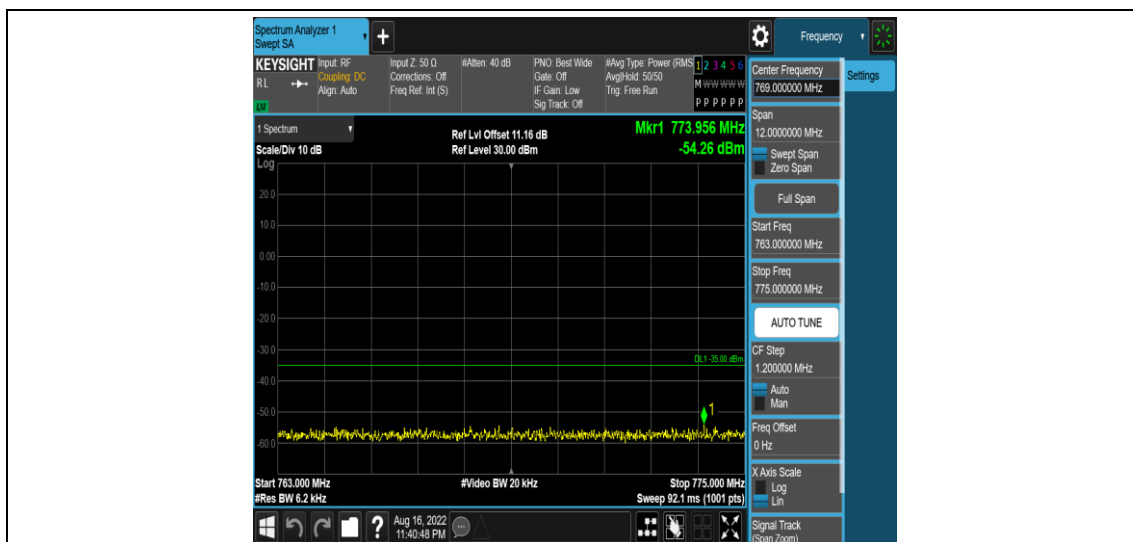
Band13-5MHz-QPSK-23230-1RB#0-Range1:0.009~0.15MHz



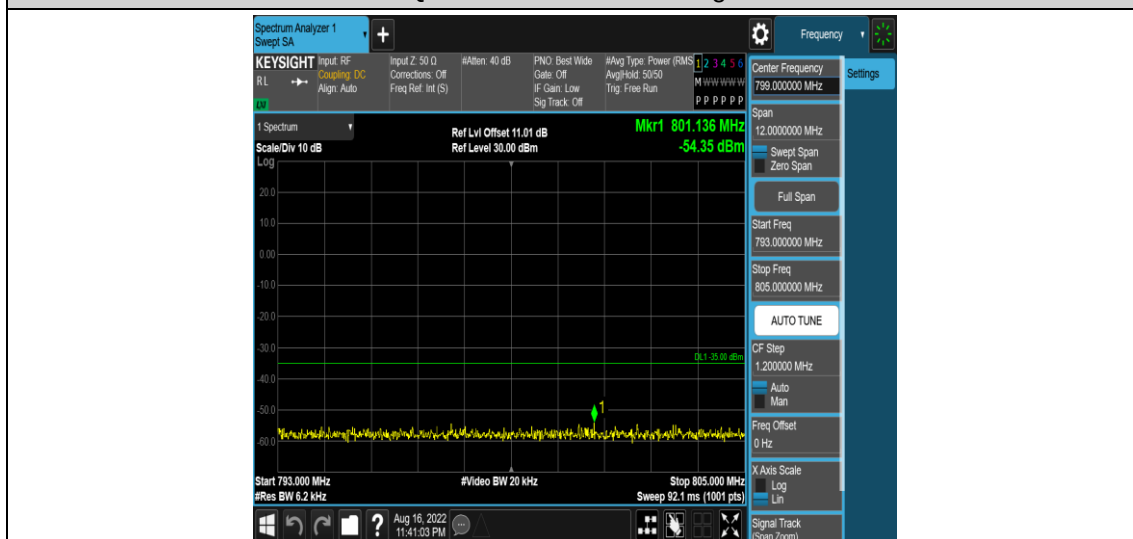
Band13-5MHz-QPSK-23230-1RB#0-Range2:0.15~30MHz



Band13-5MHz-QPSK-23230-1RB#0-Range3:30~1000MHz



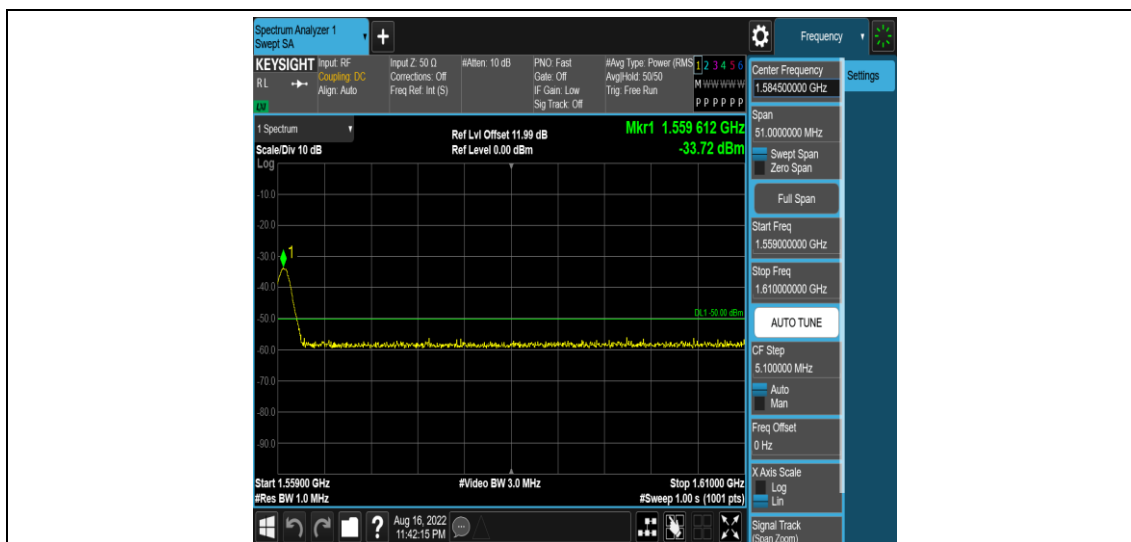
Band13-5MHz-QPSK-23230-1RB#0-Range5:763~775MHz



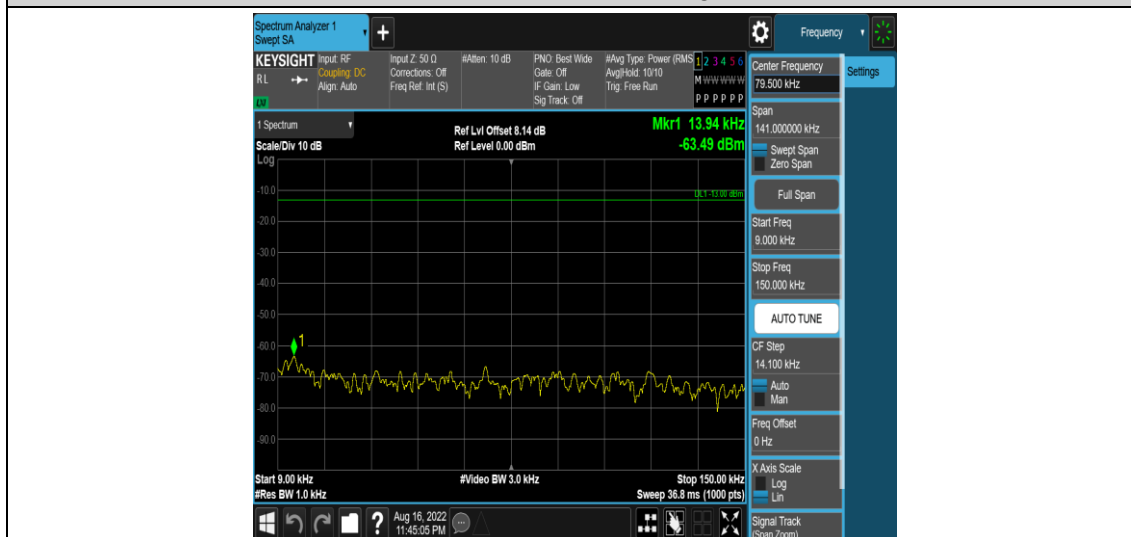
Band13-5MHz-QPSK-23230-1RB#0-Range6:793~805MHz



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



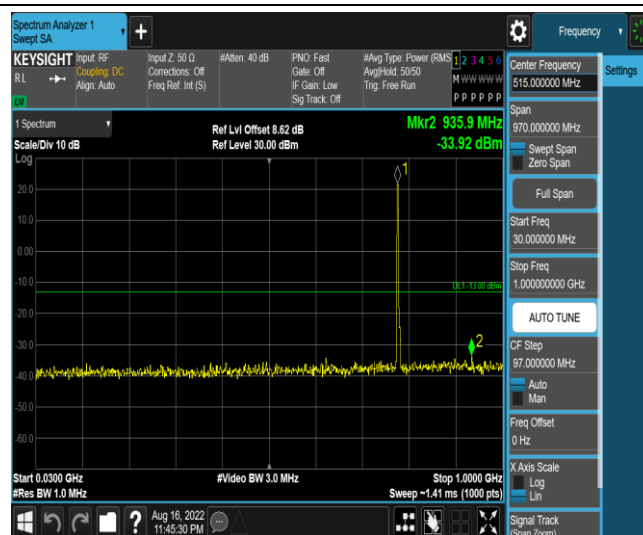
Band13-5MHz-QPSK-23230-1RB#0-Range7:1559~1610MHz



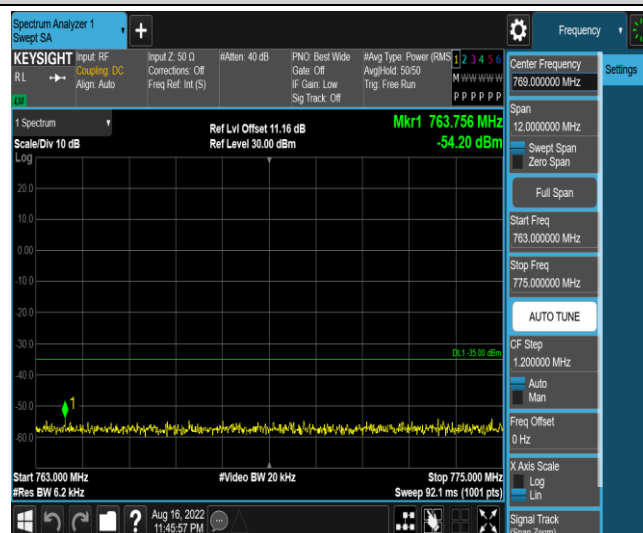
Band13-5MHz-QPSK-23255-1RB#0-Range1:0.009~0.15MHz



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



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



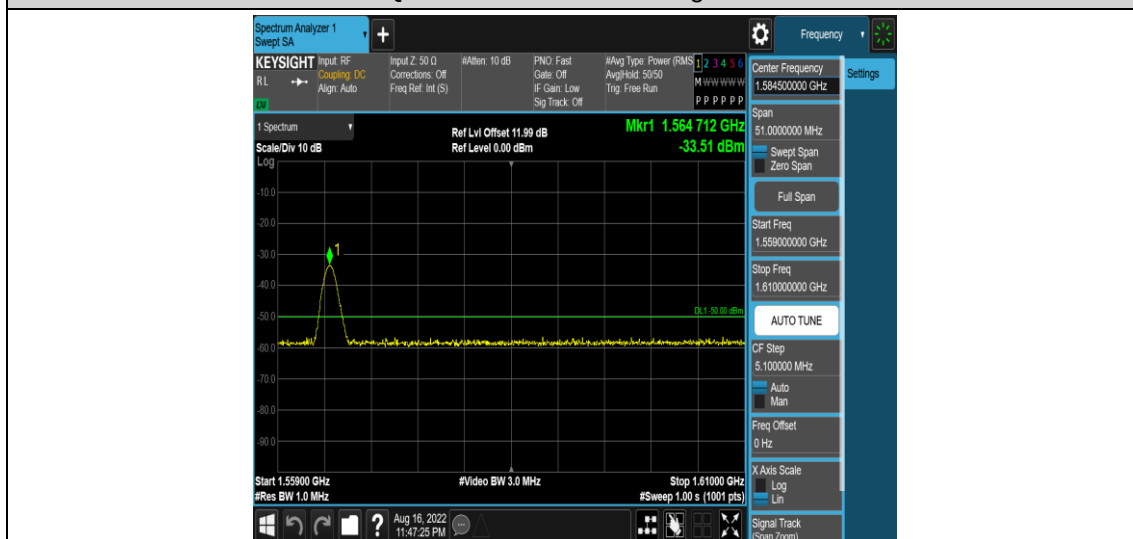
Band13-5MHz-QPSK-23255-1RB#0-Range5:763~775MHz



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



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



Band13-5MHz-QPSK-23255-1RB#0-Range7:1559~1610MHz



Band13-5MHz-16QAM-23205-1RB#0-Range1:0.009~0.15MHz