

Appendix for Band 13

Product Name: Smart Phone

Model No: BOLD N2

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	24.77	PASS
Band13	5MHz	QPSK	23205	1RB#12	24.80	PASS
Band13	5MHz	QPSK	23205	1RB#24	24.79	PASS
Band13	5MHz	QPSK	23205	12RB#0	23.57	PASS
Band13	5MHz	QPSK	23205	12RB#6	23.61	PASS
Band13	5MHz	QPSK	23205	12RB#13	23.60	PASS
Band13	5MHz	QPSK	23205	25RB#0	23.62	PASS
Band13	5MHz	QPSK	23230	1RB#0	24.74	PASS
Band13	5MHz	QPSK	23230	1RB#12	24.78	PASS
Band13	5MHz	QPSK	23230	1RB#24	24.80	PASS
Band13	5MHz	QPSK	23230	12RB#0	23.65	PASS
Band13	5MHz	QPSK	23230	12RB#6	23.64	PASS
Band13	5MHz	QPSK	23230	12RB#13	23.66	PASS
Band13	5MHz	QPSK	23230	25RB#0	23.66	PASS
Band13	5MHz	QPSK	23255	1RB#0	24.78	PASS
Band13	5MHz	QPSK	23255	1RB#12	24.88	PASS
Band13	5MHz	QPSK	23255	1RB#24	24.88	PASS
Band13	5MHz	QPSK	23255	12RB#0	23.73	PASS
Band13	5MHz	QPSK	23255	12RB#6	23.71	PASS
Band13	5MHz	QPSK	23255	12RB#13	23.74	PASS
Band13	5MHz	QPSK	23255	25RB#0	23.72	PASS
Band13	5MHz	16QAM	23205	1RB#0	23.55	PASS
Band13	5MHz	16QAM	23205	1RB#12	23.57	PASS
Band13	5MHz	16QAM	23205	1RB#24	23.58	PASS
Band13	5MHz	16QAM	23205	12RB#0	22.61	PASS
Band13	5MHz	16QAM	23205	12RB#6	22.62	PASS
Band13	5MHz	16QAM	23205	12RB#13	22.62	PASS
Band13	5MHz	16QAM	23205	25RB#0	22.68	PASS
Band13	5MHz	16QAM	23230	1RB#0	23.67	PASS
Band13	5MHz	16QAM	23230	1RB#12	23.73	PASS
Band13	5MHz	16QAM	23230	1RB#24	23.76	PASS
Band13	5MHz	16QAM	23230	12RB#0	22.69	PASS

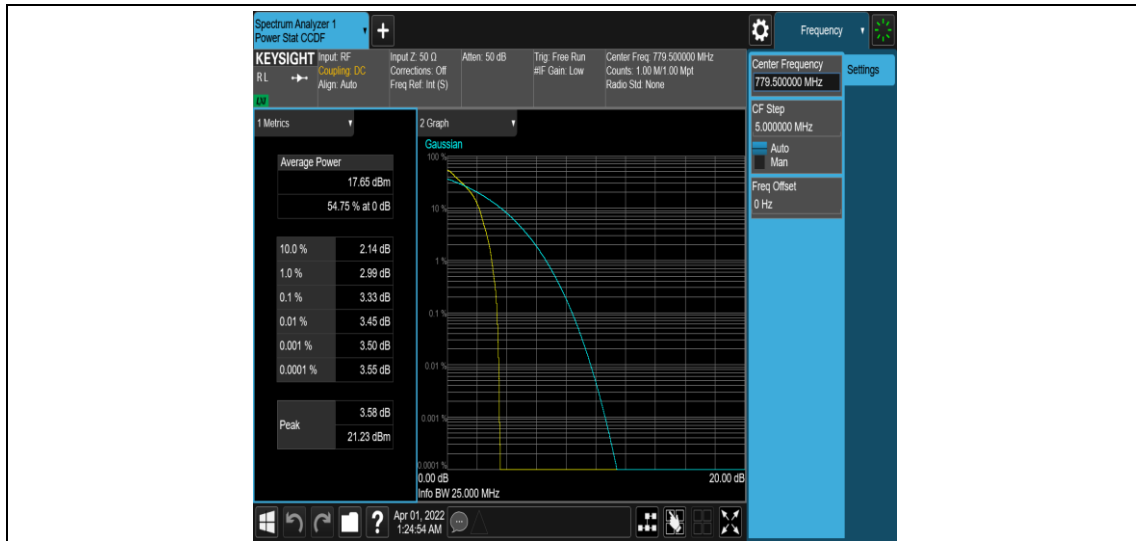
Band13	5MHz	16QAM	23230	12RB#6	22.68	PASS
Band13	5MHz	16QAM	23230	12RB#13	22.72	PASS
Band13	5MHz	16QAM	23230	25RB#0	22.64	PASS
Band13	5MHz	16QAM	23255	1RB#0	23.59	PASS
Band13	5MHz	16QAM	23255	1RB#12	23.65	PASS
Band13	5MHz	16QAM	23255	1RB#24	23.69	PASS
Band13	5MHz	16QAM	23255	12RB#0	22.69	PASS
Band13	5MHz	16QAM	23255	12RB#6	22.68	PASS
Band13	5MHz	16QAM	23255	12RB#13	22.70	PASS
Band13	5MHz	16QAM	23255	25RB#0	22.72	PASS
Band13	10MHz	QPSK	23230	1RB#0	24.73	PASS
Band13	10MHz	QPSK	23230	1RB#24	24.91	PASS
Band13	10MHz	QPSK	23230	1RB#49	24.78	PASS
Band13	10MHz	QPSK	23230	25RB#0	23.62	PASS
Band13	10MHz	QPSK	23230	25RB#12	23.63	PASS
Band13	10MHz	QPSK	23230	25RB#25	23.71	PASS
Band13	10MHz	QPSK	23230	50RB#0	23.69	PASS
Band13	10MHz	16QAM	23230	1RB#0	23.69	PASS
Band13	10MHz	16QAM	23230	1RB#24	23.75	PASS
Band13	10MHz	16QAM	23230	1RB#49	23.75	PASS
Band13	10MHz	16QAM	23230	25RB#0	22.61	PASS
Band13	10MHz	16QAM	23230	25RB#12	22.63	PASS
Band13	10MHz	16QAM	23230	25RB#25	22.70	PASS
Band13	10MHz	16QAM	23230	50RB#0	22.70	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	3.33	13	PASS
Band13	5MHz	QPSK	23205	25RB#0	4.09	13	PASS
Band13	5MHz	QPSK	23230	1RB#0	3.11	13	PASS
Band13	5MHz	QPSK	23230	25RB#0	3.89	13	PASS
Band13	5MHz	QPSK	23255	1RB#0	2.80	13	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.06	13	PASS
Band13	5MHz	16QAM	23205	1RB#0	4.21	13	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.91	13	PASS
Band13	5MHz	16QAM	23230	1RB#0	3.96	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.68	13	PASS
Band13	5MHz	16QAM	23255	1RB#0	3.72	13	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.91	13	PASS
Band13	10MHz	QPSK	23230	1RB#0	3.38	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	4.42	13	PASS
Band13	10MHz	16QAM	23230	1RB#0	4.28	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	5.18	13	PASS

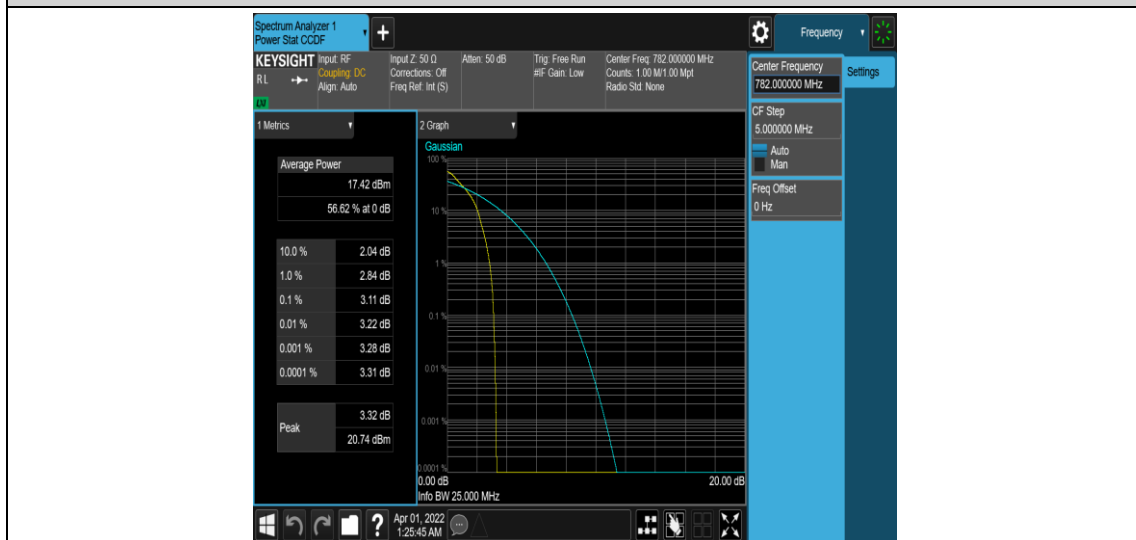
Test Graphs



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



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



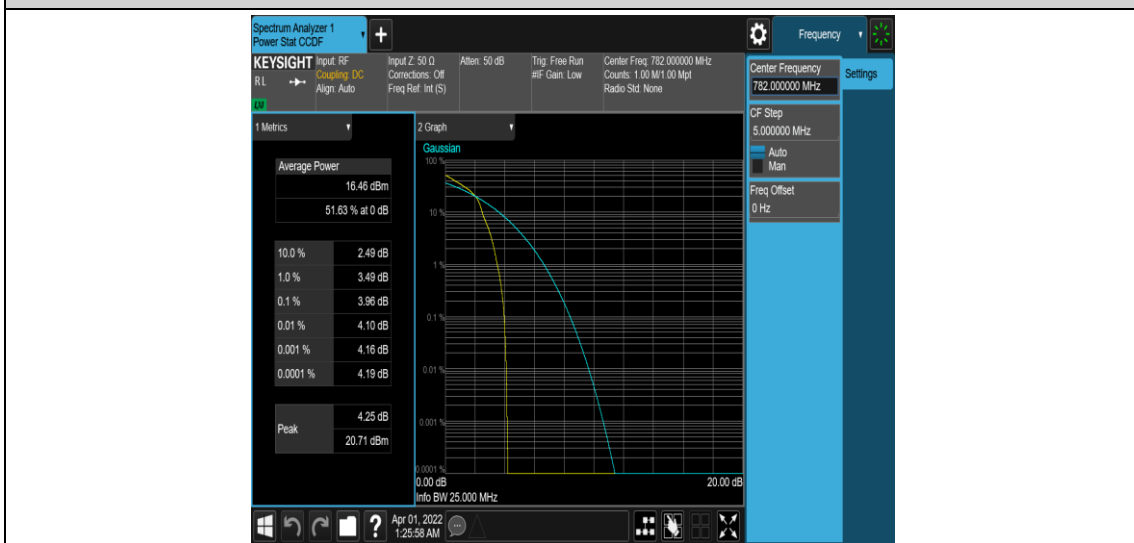




Band13-5MHz-16QAM-23205-1RB#0



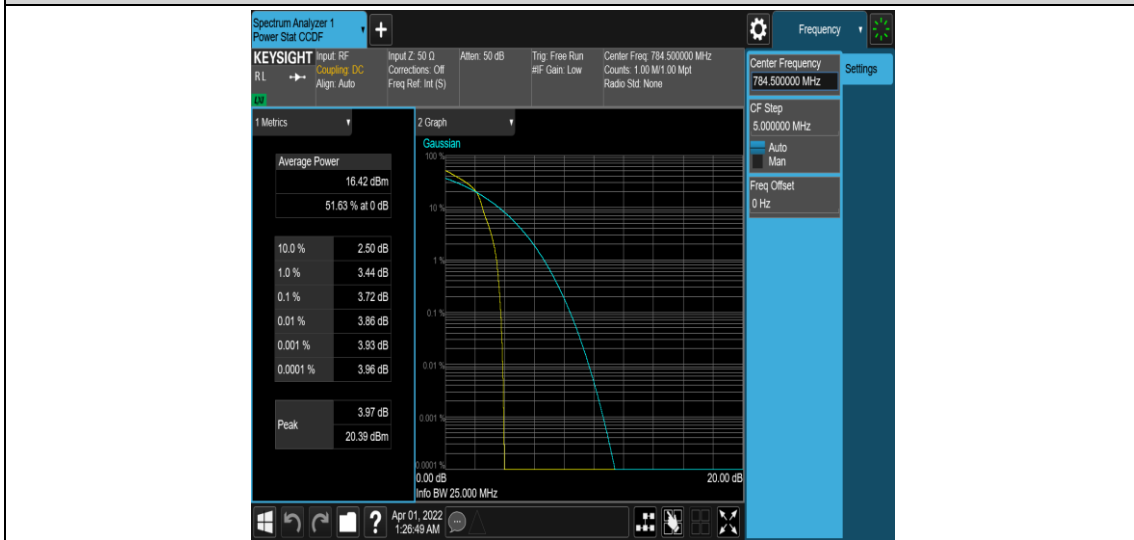
Band13-5MHz-16QAM-23205-25RB#0



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



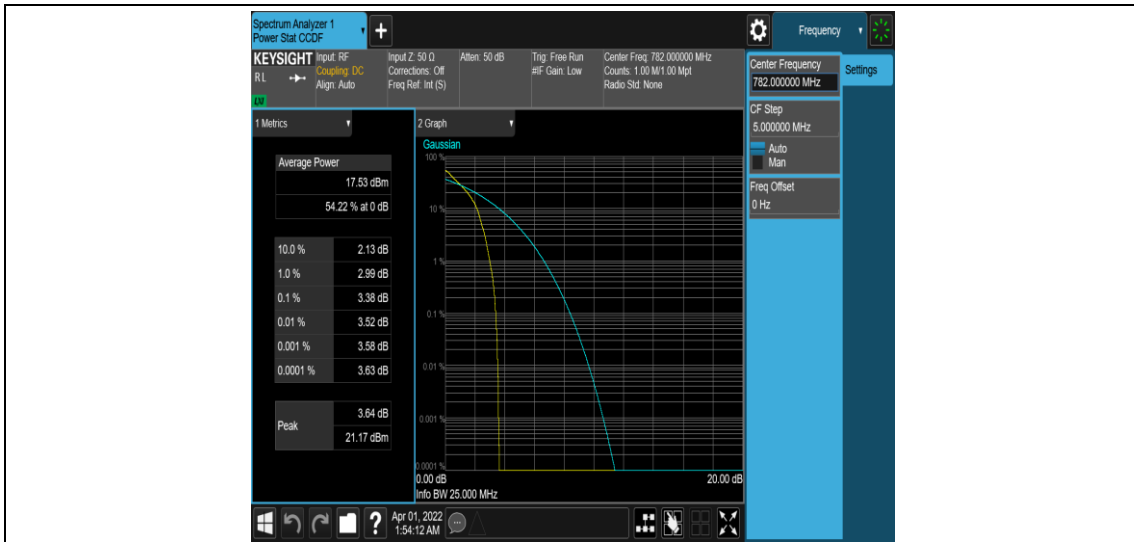
Band13-5MHz-16QAM-23230-25RB#0



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



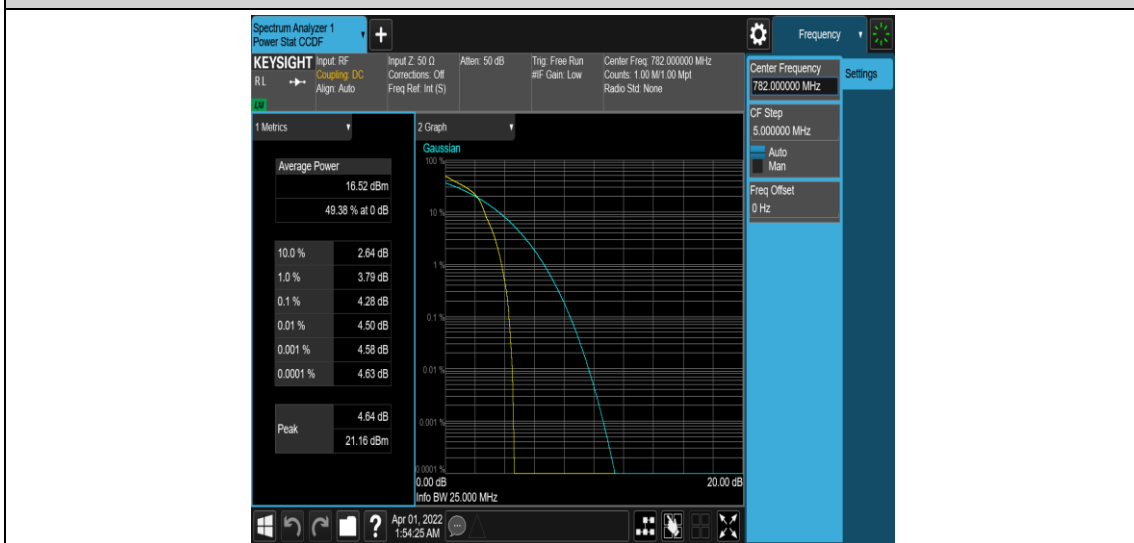
Band13-5MHz-16QAM-23255-25RB#0



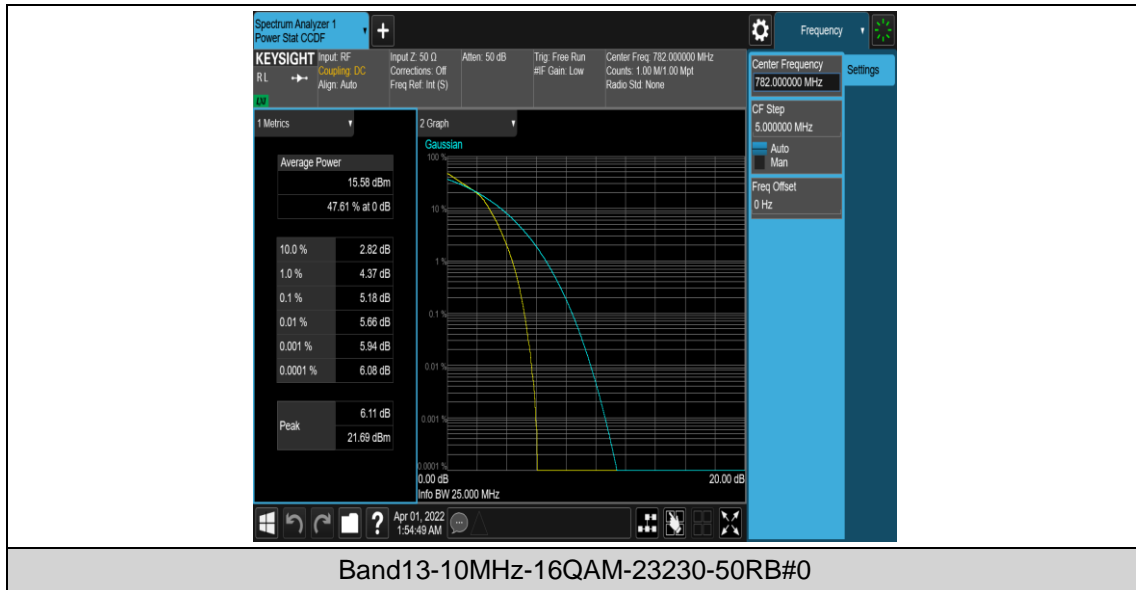
Band13-10MHz-QPSK-23230-1RB#0



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



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

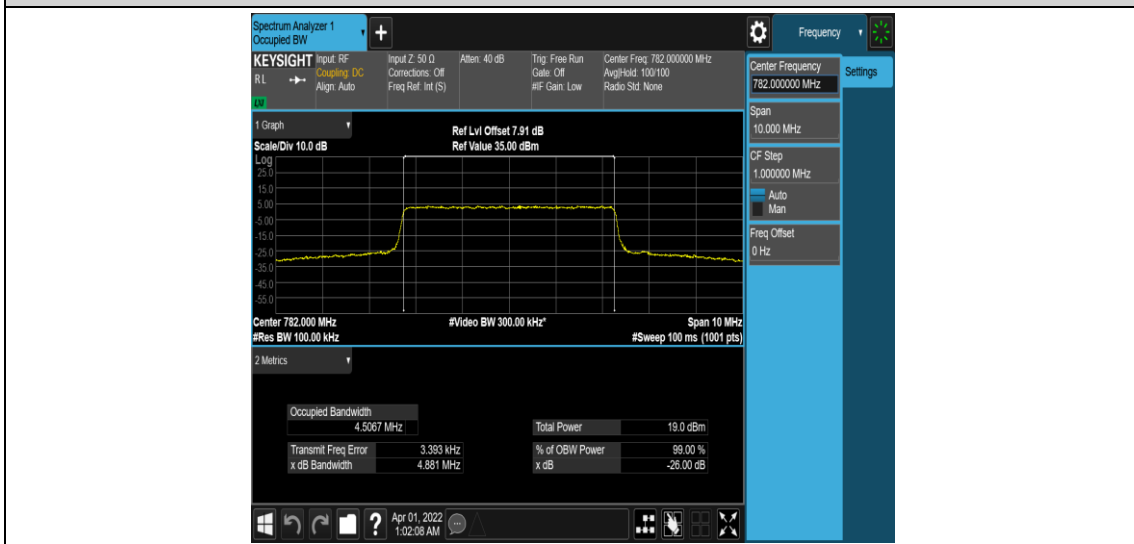
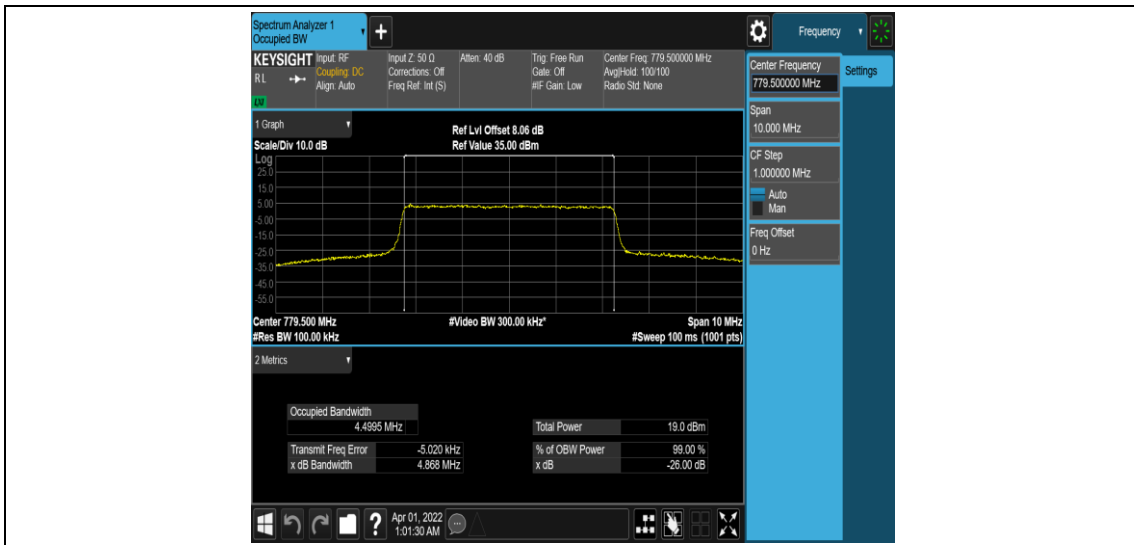


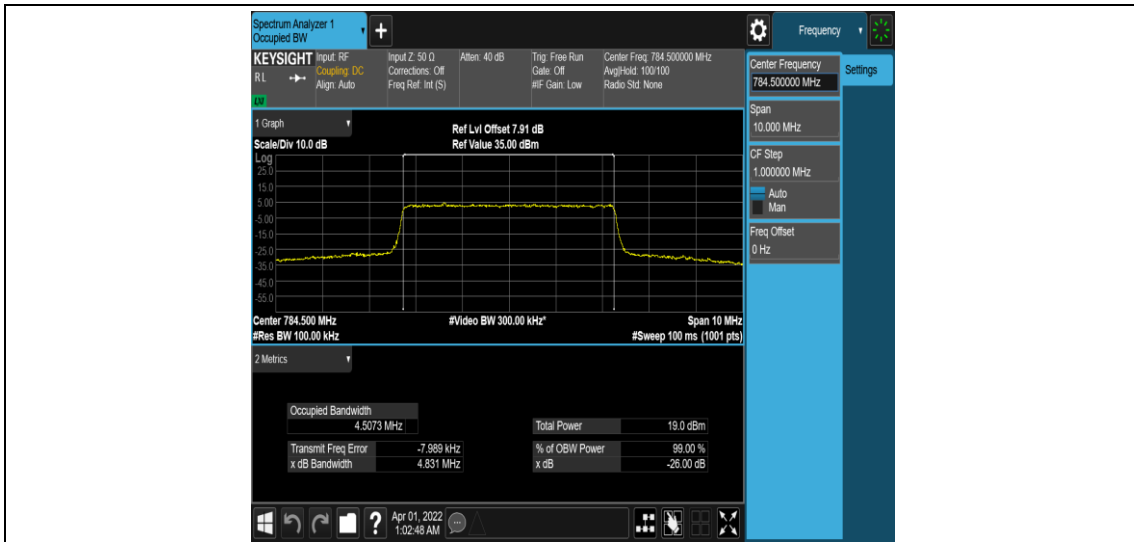
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

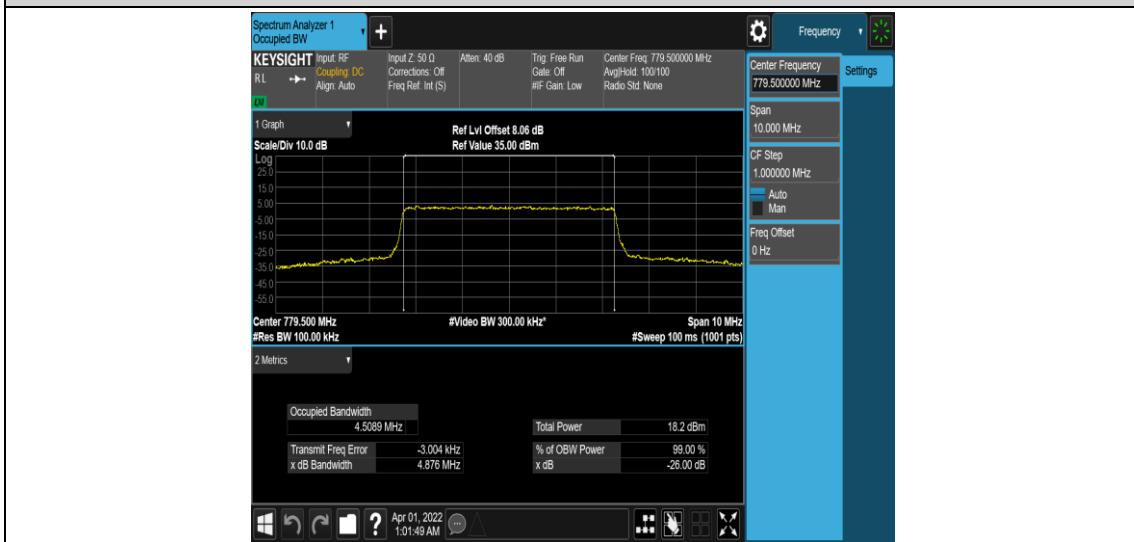
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.4995	4.868	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.5067	4.881	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.5073	4.831	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.5089	4.876	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.5086	4.879	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.5077	4.835	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9929	9.601	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.9751	9.537	PASS

Test Graphs

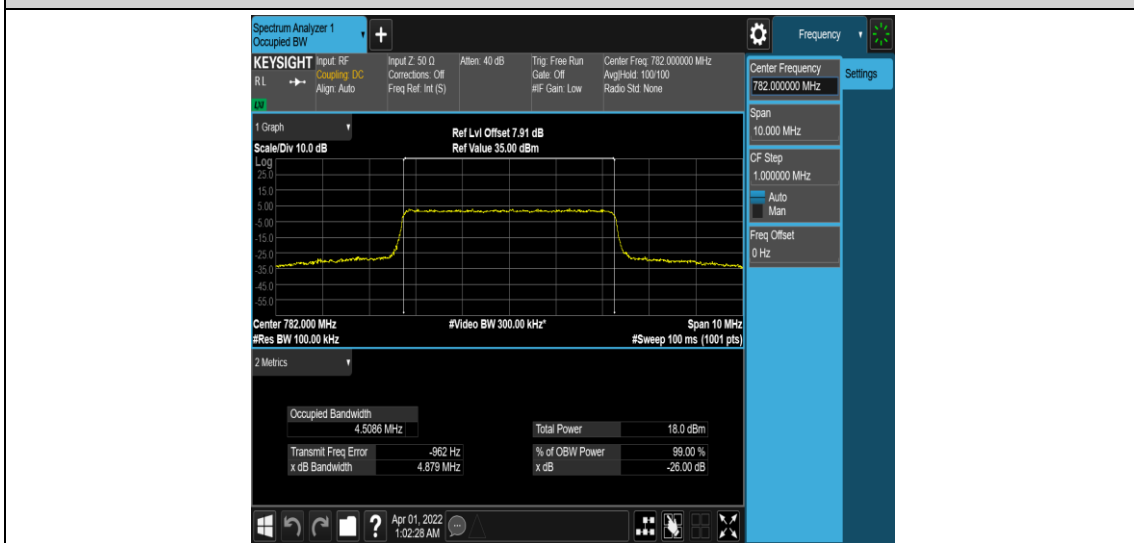




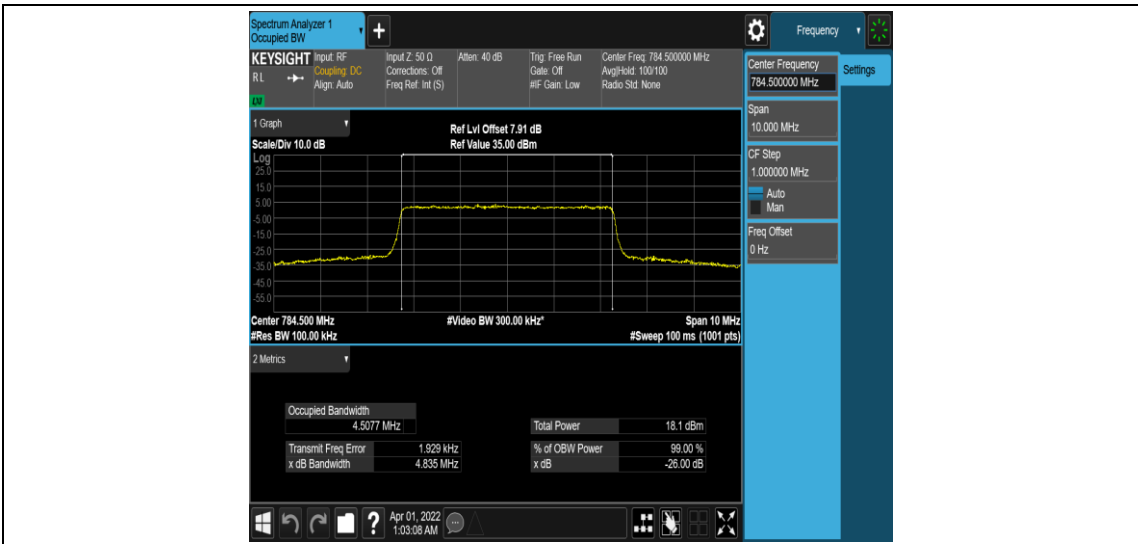
Band13-5MHz-QPSK-23255-25RB#0



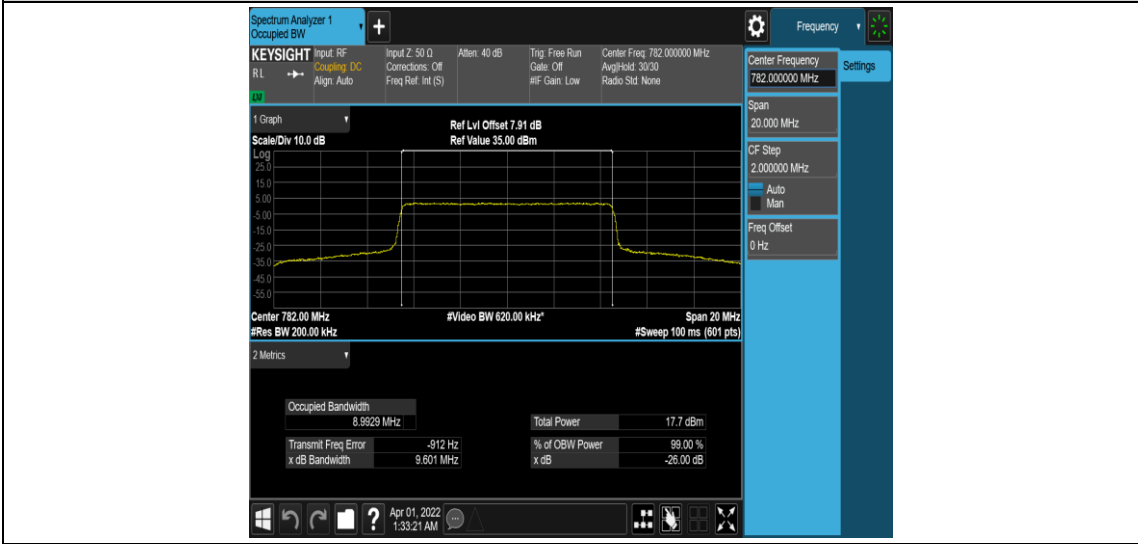
Band13-5MHz-16QAM-23205-25RB#0



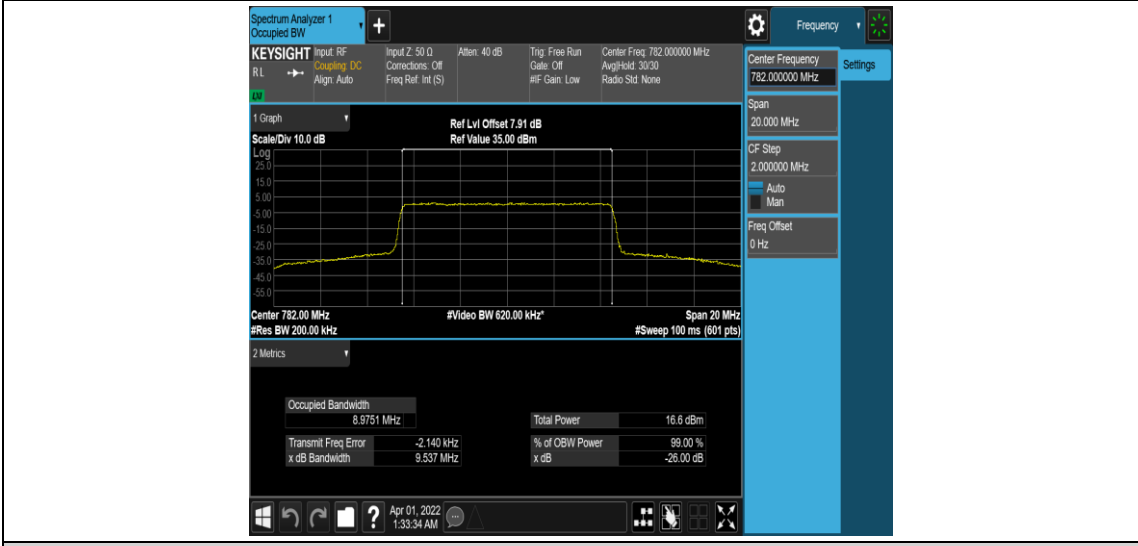
Band13-5MHz-16QAM-23230-25RB#0



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	-16.35	PASS
Band13	5MHz	QPSK	23205	1RB#24	-48.00	PASS
Band13	5MHz	QPSK	23205	25RB#0	-23.76	PASS
Band13	5MHz	QPSK	23255	1RB#0	-48.69	PASS
Band13	5MHz	QPSK	23255	1RB#24	-16.73	PASS
Band13	5MHz	QPSK	23255	25RB#0	-26.15	PASS
Band13	5MHz	16QAM	23205	1RB#0	-16.29	PASS
Band13	5MHz	16QAM	23205	1RB#24	-43.69	PASS
Band13	5MHz	16QAM	23205	25RB#0	-27.12	PASS
Band13	5MHz	16QAM	23255	1RB#0	-48.45	PASS
Band13	5MHz	16QAM	23255	1RB#24	-17.22	PASS
Band13	5MHz	16QAM	23255	25RB#0	-26.94	PASS

Test Graphs



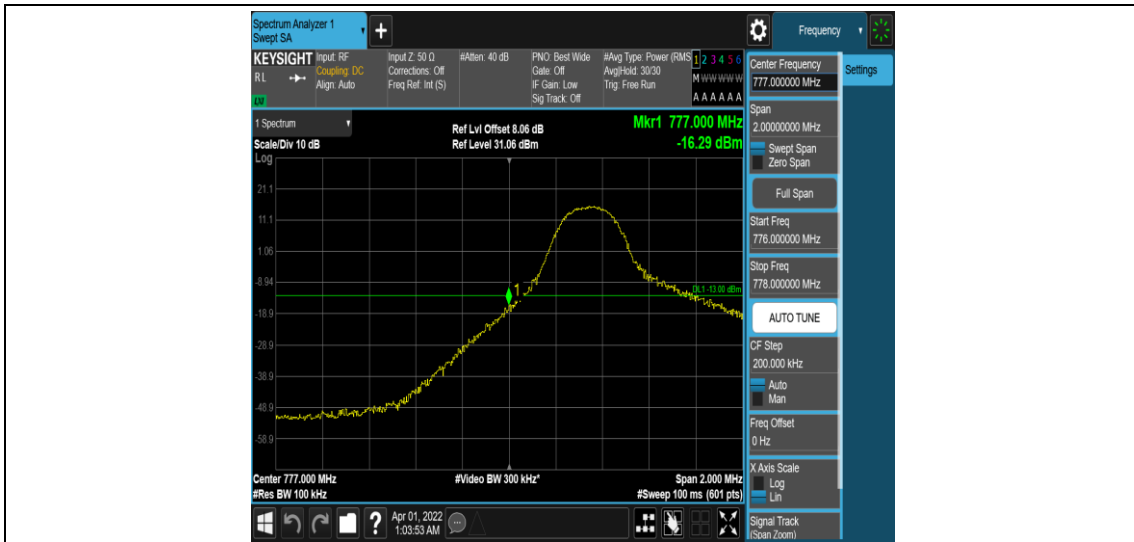
Band13-5MHz-QPSK-23205-1RB#0



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







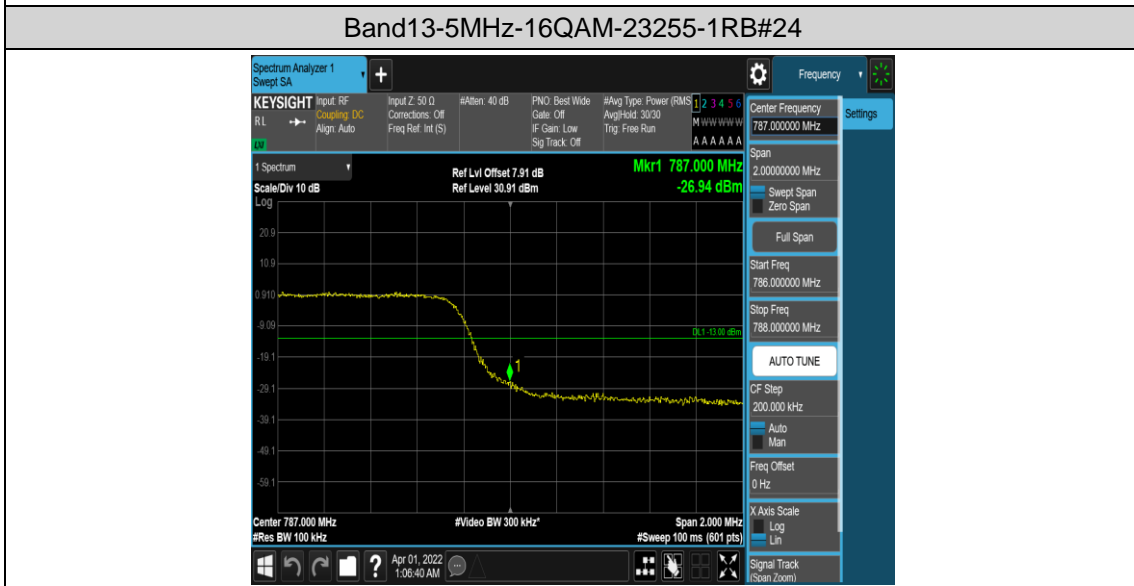
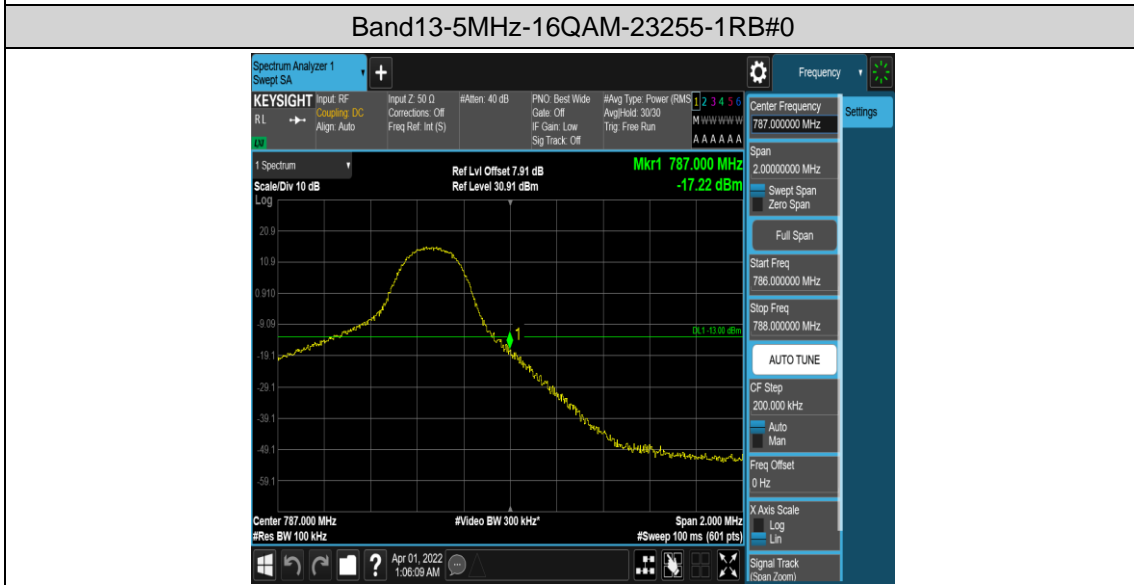
Band13-5MHz-16QAM-23205-1RB#0



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



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



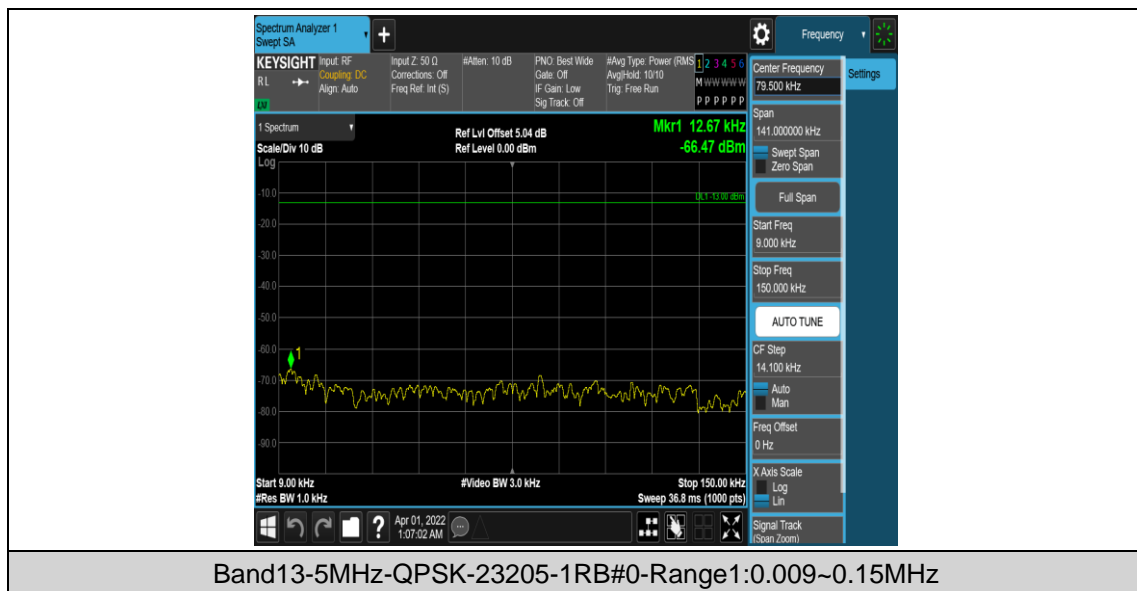
Appendix E: Conducted Spurious Emission

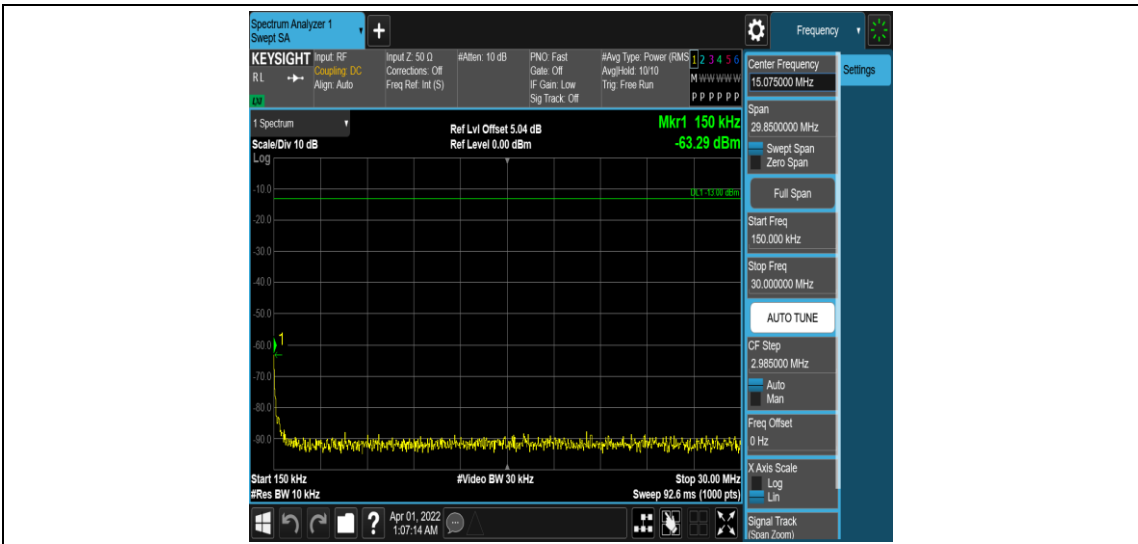
Test Result

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

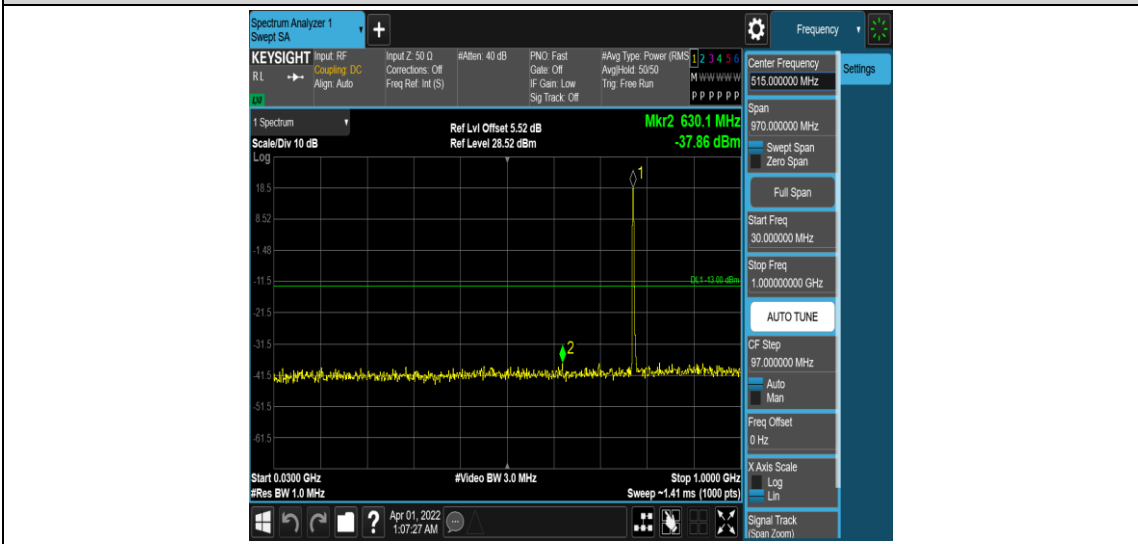
Band13	5MHz	16QAM	23255	1RB#0	Range1:0.009~0.15MHz	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range2:0.15~30MHz	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range3:30~1000MHz	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range5:763~775MHz	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range6:793~805MHz	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range4:1000~10000MHz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

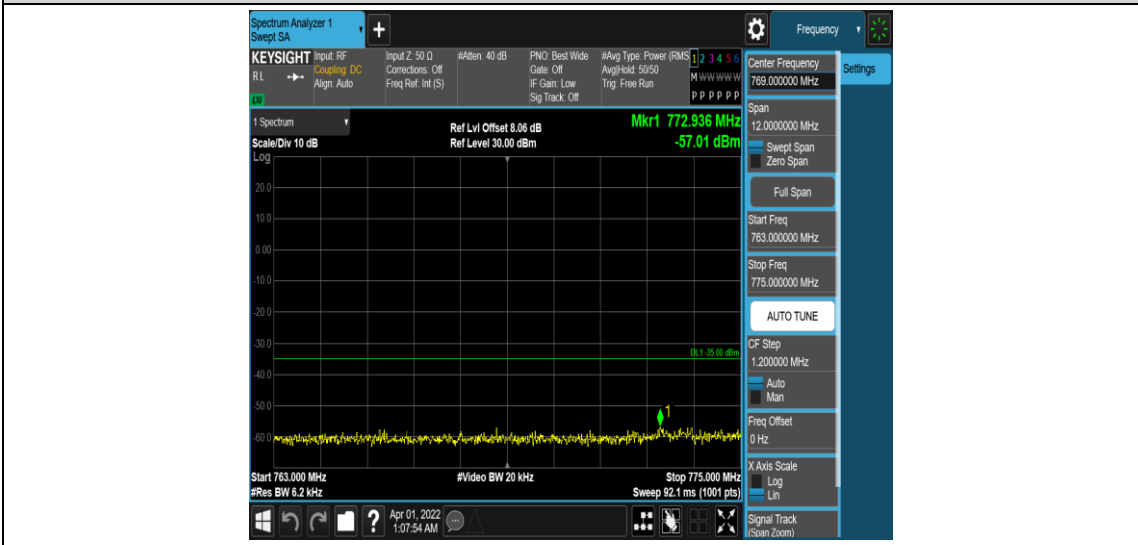




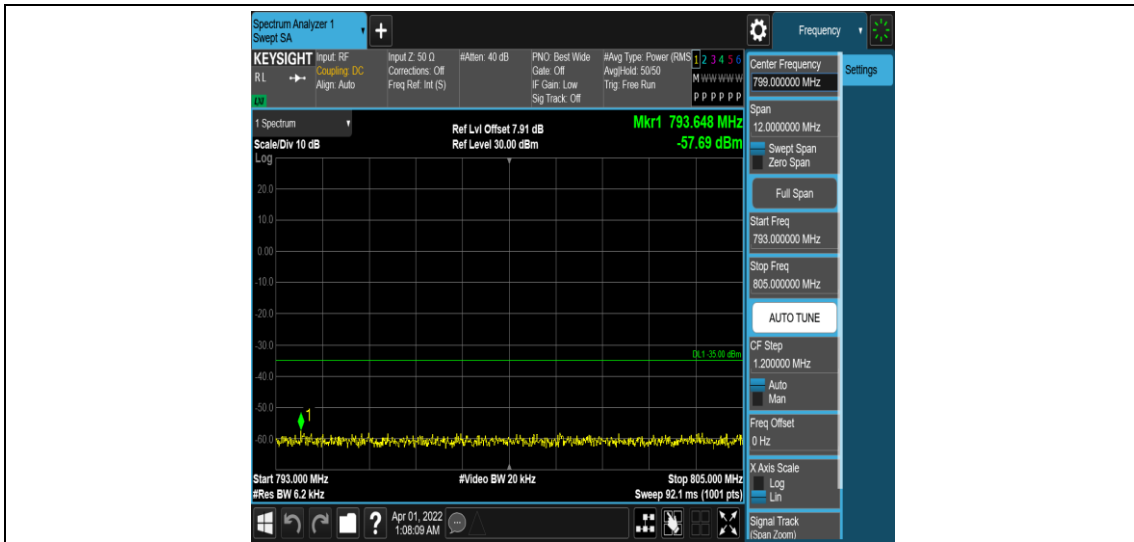
Band13-5MHz-QPSK-23205-1RB#0-Range2:0.15~30MHz



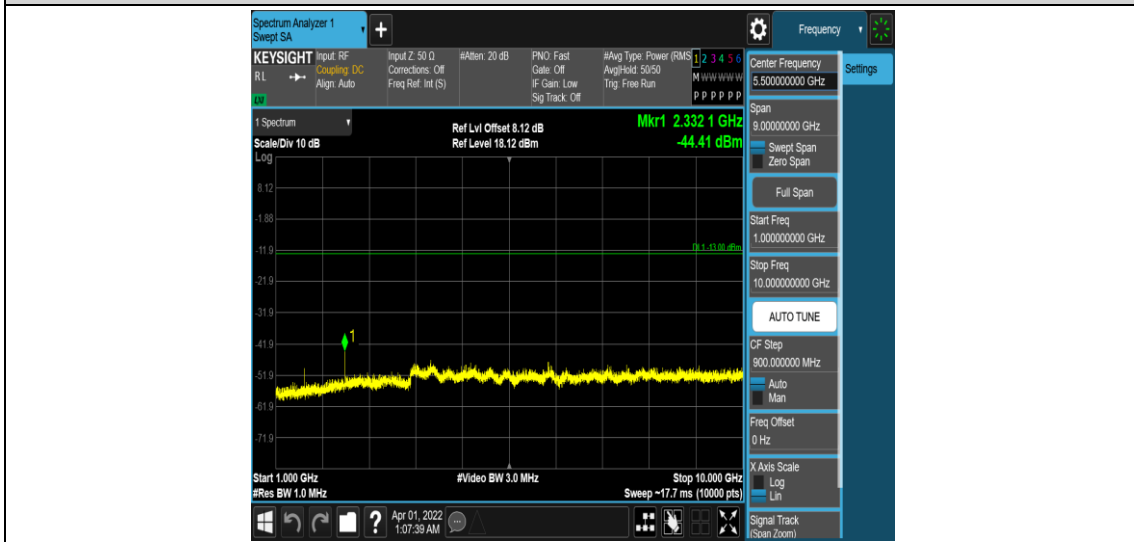
Band13-5MHz-QPSK-23205-1RB#0-Range3:30~1000MHz



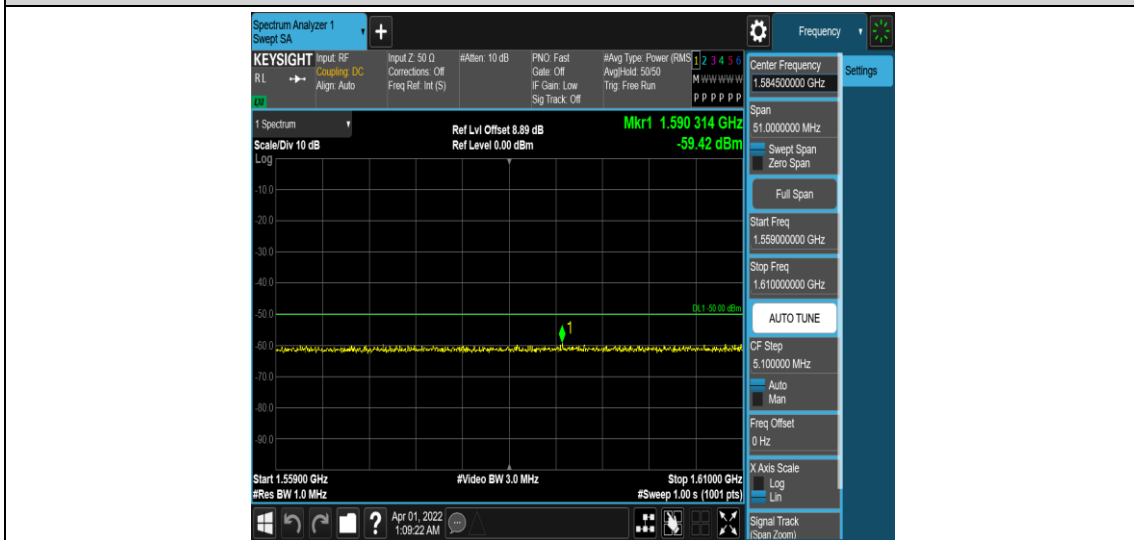
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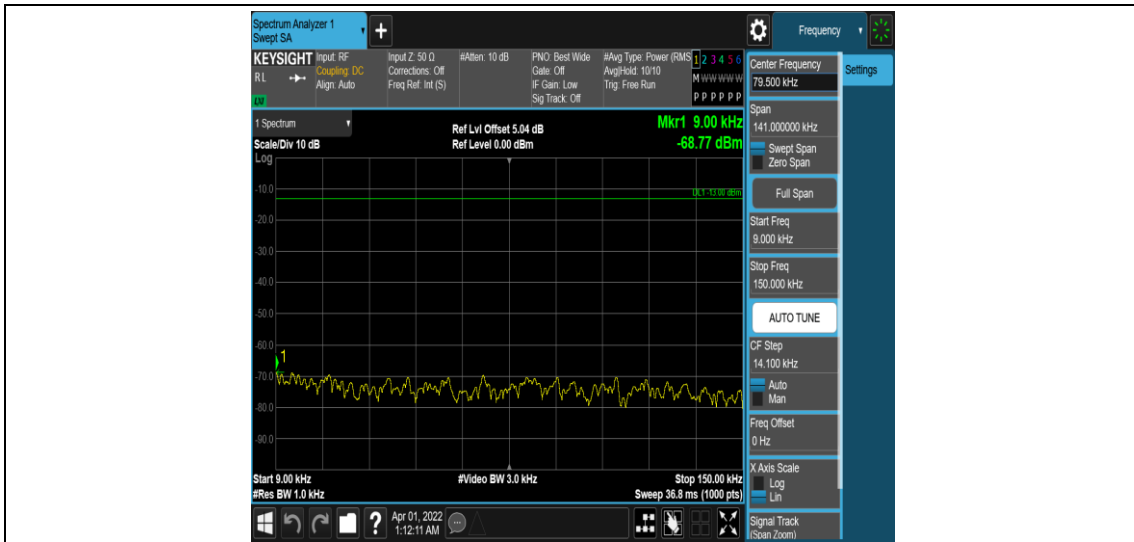
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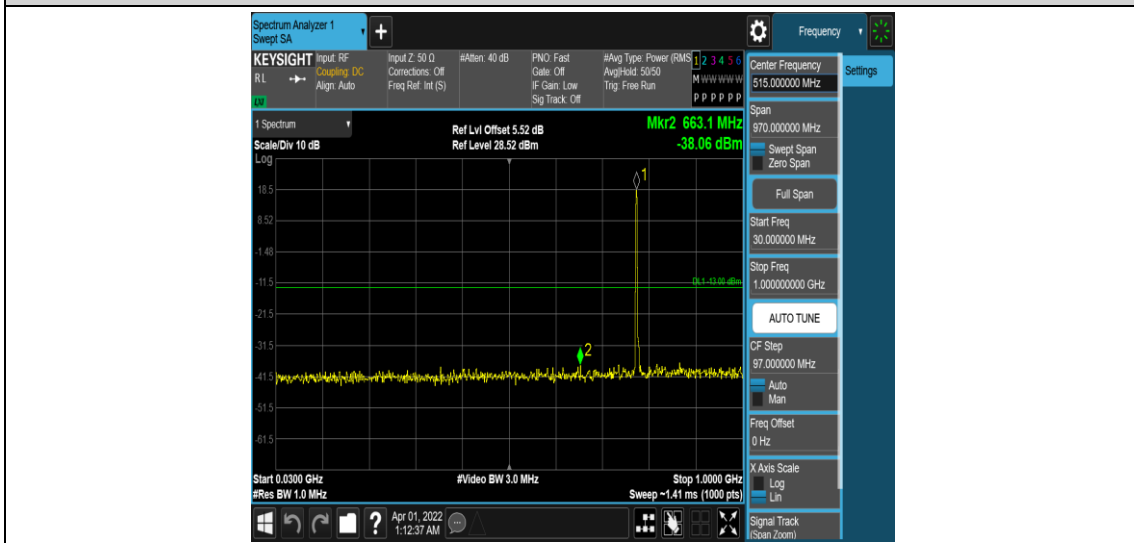
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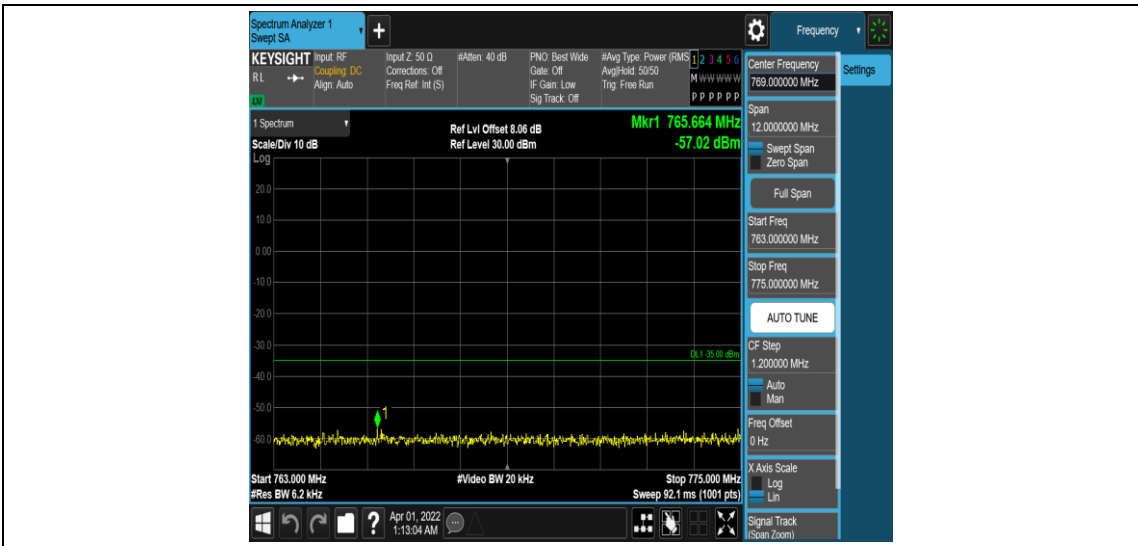
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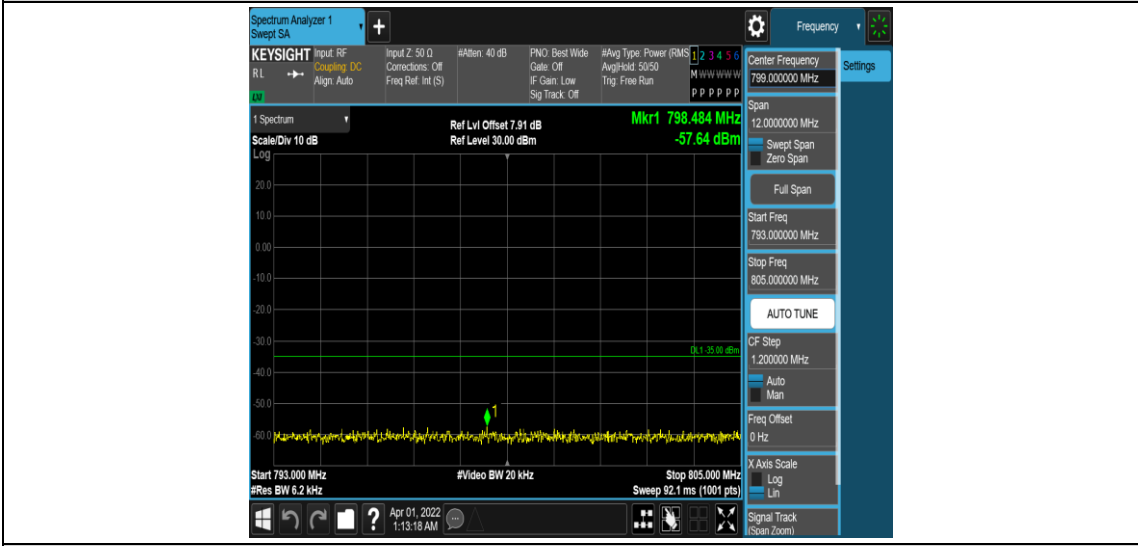
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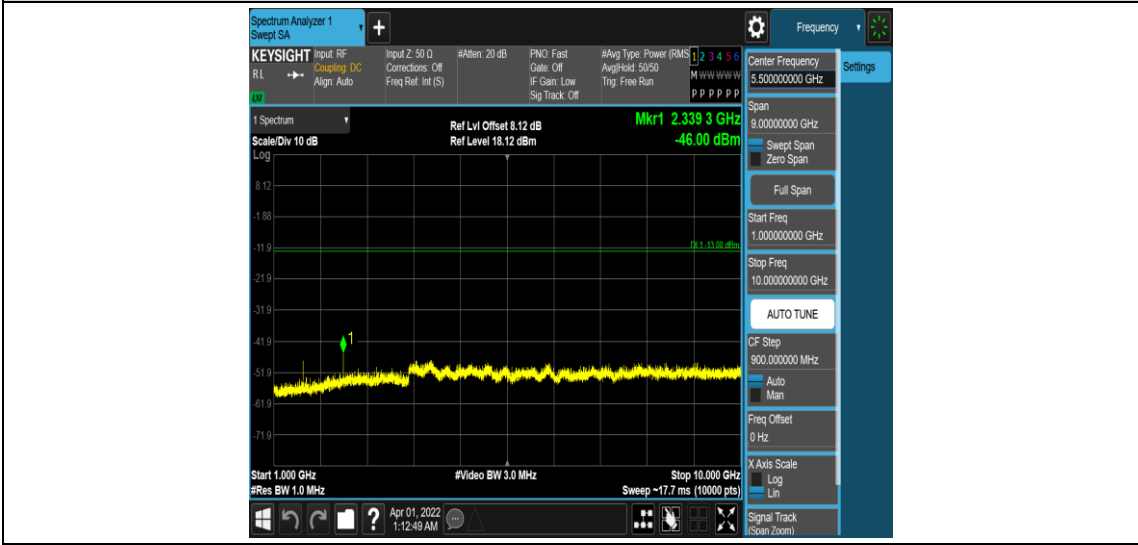
Band13-5MHz-QPSK-23230-1RB#0-Range3:30~1000MHz



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