

Appendix RF Test Data for LTE Band 13

Company: : Zhangzhou 3rtablet Technology Co.,Ltd

EUT : In-Vehicle Display Terminal

Model Number : ST-7

FCC ID : 2A756-ST7

Report No. : CTA25090802806

Reviewed By : Eric Wang

1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	23.15	PASS
Band13	5MHz	16QAM	23205	1RB#0	22.84	PASS
Band13	5MHz	QPSK	23205	1RB#12	23.03	PASS
Band13	5MHz	16QAM	23205	1RB#12	22.17	PASS
Band13	5MHz	QPSK	23205	1RB#24	22.81	PASS
Band13	5MHz	16QAM	23205	1RB#24	22.71	PASS
Band13	5MHz	QPSK	23205	12RB#0	22.87	PASS
Band13	5MHz	16QAM	23205	12RB#0	21.94	PASS
Band13	5MHz	QPSK	23205	12RB#6	22.70	PASS
Band13	5MHz	16QAM	23205	12RB#6	21.93	PASS
Band13	5MHz	QPSK	23205	12RB#13	22.85	PASS
Band13	5MHz	16QAM	23205	12RB#13	21.70	PASS
Band13	5MHz	QPSK	23205	25RB#0	22.85	PASS
Band13	5MHz	16QAM	23205	25RB#0	21.83	PASS
Band13	5MHz	QPSK	23230	1RB#0	22.89	PASS
Band13	5MHz	16QAM	23230	1RB#0	22.84	PASS
Band13	5MHz	QPSK	23230	1RB#12	22.86	PASS
Band13	5MHz	16QAM	23230	1RB#12	23.43	PASS
Band13	5MHz	QPSK	23230	1RB#24	22.96	PASS
Band13	5MHz	16QAM	23230	1RB#24	22.96	PASS
Band13	5MHz	QPSK	23230	12RB#0	22.75	PASS
Band13	5MHz	16QAM	23230	12RB#0	21.87	PASS
Band13	5MHz	QPSK	23230	12RB#6	22.88	PASS
Band13	5MHz	16QAM	23230	12RB#6	21.75	PASS
Band13	5MHz	QPSK	23230	12RB#13	23.10	PASS
Band13	5MHz	16QAM	23230	12RB#13	21.86	PASS
Band13	5MHz	QPSK	23230	25RB#0	22.85	PASS
Band13	5MHz	16QAM	23230	25RB#0	22.08	PASS
Band13	5MHz	QPSK	23255	1RB#0	22.89	PASS
Band13	5MHz	16QAM	23255	1RB#0	22.54	PASS
Band13	5MHz	QPSK	23255	1RB#12	23.24	PASS
Band13	5MHz	16QAM	23255	1RB#12	22.97	PASS
Band13	5MHz	QPSK	23255	1RB#24	22.90	PASS
Band13	5MHz	16QAM	23255	1RB#24	22.86	PASS
Band13	5MHz	QPSK	23255	12RB#0	23.00	PASS
Band13	5MHz	16QAM	23255	12RB#0	22.00	PASS
Band13	5MHz	QPSK	23255	12RB#6	23.11	PASS

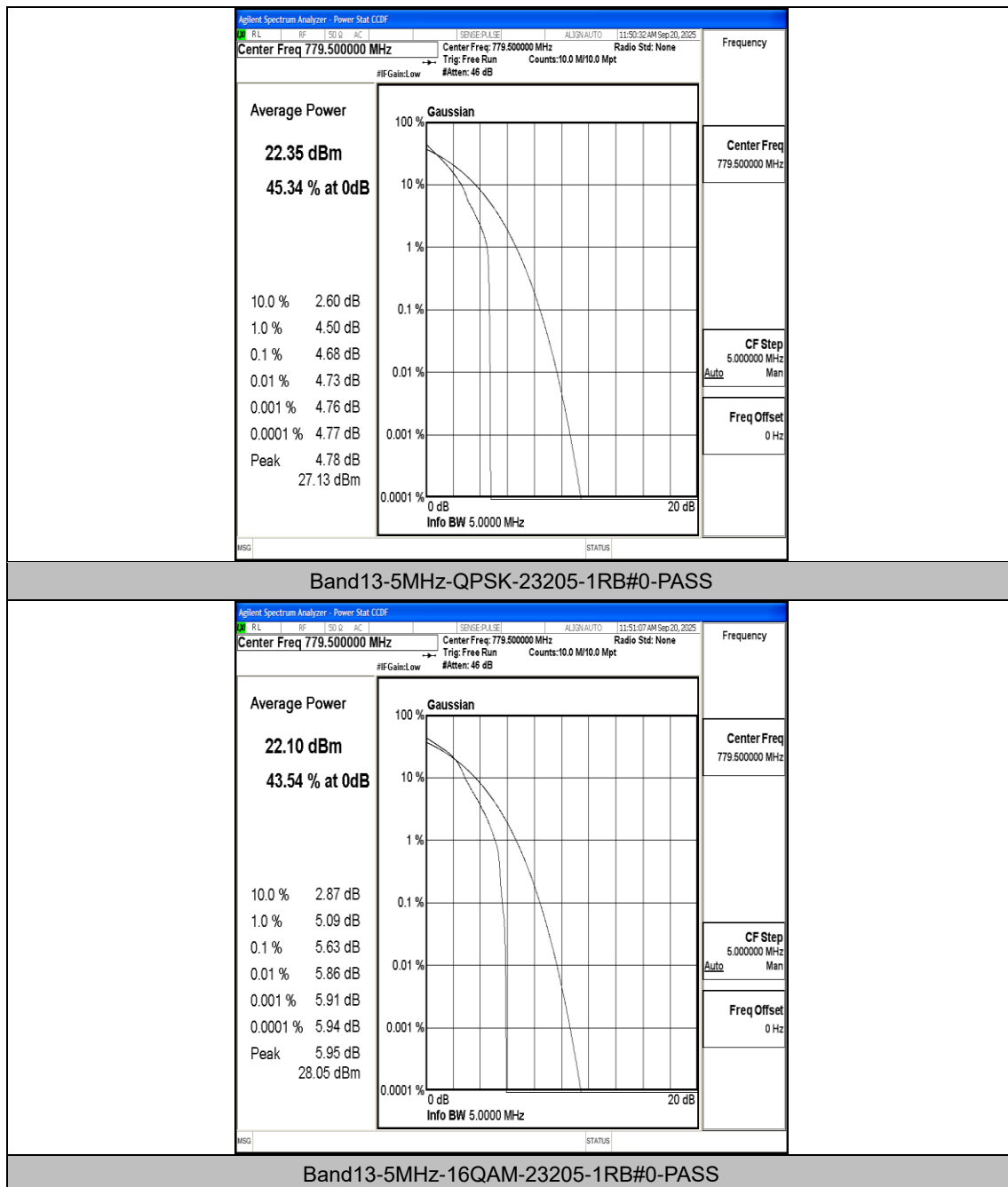
Band13	5MHz	16QAM	23255	12RB#6	22.00	PASS
Band13	5MHz	QPSK	23255	12RB#13	23.02	PASS
Band13	5MHz	16QAM	23255	12RB#13	21.91	PASS
Band13	5MHz	QPSK	23255	25RB#0	22.96	PASS
Band13	5MHz	16QAM	23255	25RB#0	22.25	PASS
Band13	10MHz	QPSK	23230	1RB#0	22.80	PASS
Band13	10MHz	16QAM	23230	1RB#0	23.03	PASS
Band13	10MHz	QPSK	23230	1RB#24	22.71	PASS
Band13	10MHz	16QAM	23230	1RB#24	23.36	PASS
Band13	10MHz	QPSK	23230	1RB#49	22.94	PASS
Band13	10MHz	16QAM	23230	1RB#49	22.90	PASS
Band13	10MHz	QPSK	23230	25RB#0	22.87	PASS
Band13	10MHz	16QAM	23230	25RB#0	21.94	PASS
Band13	10MHz	QPSK	23230	25RB#12	22.87	PASS
Band13	10MHz	16QAM	23230	25RB#12	21.94	PASS
Band13	10MHz	QPSK	23230	25RB#25	23.05	PASS
Band13	10MHz	16QAM	23230	25RB#25	21.96	PASS
Band13	10MHz	QPSK	23230	50RB#0	22.93	PASS
Band13	10MHz	16QAM	23230	50RB#0	21.91	PASS

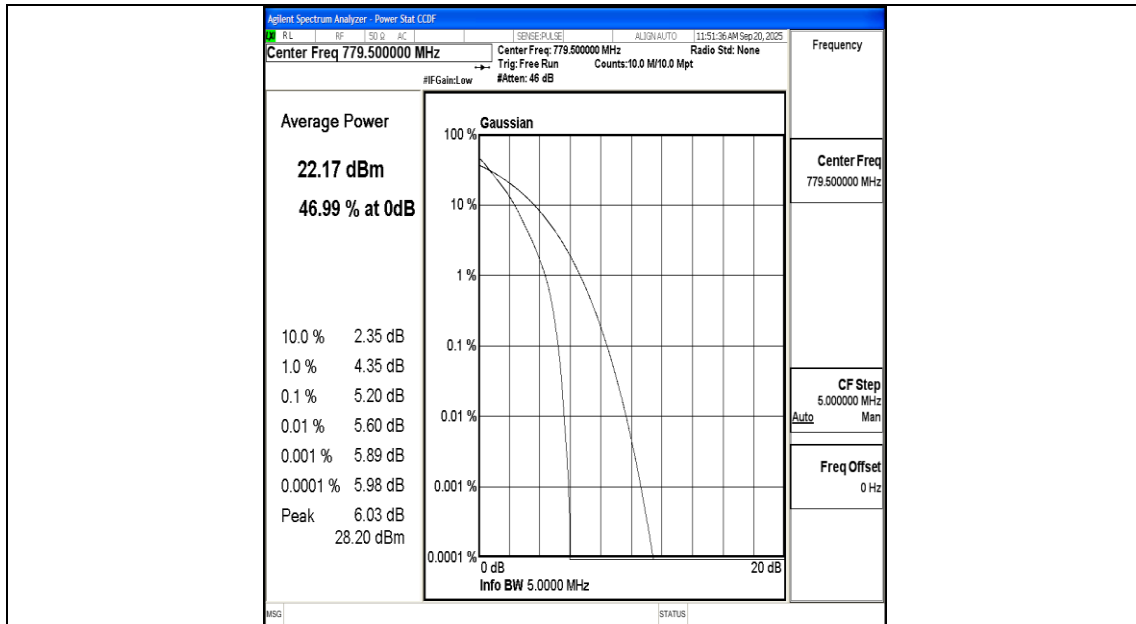
2 Peak-to-Average Ratio(CCDF)

Test Result

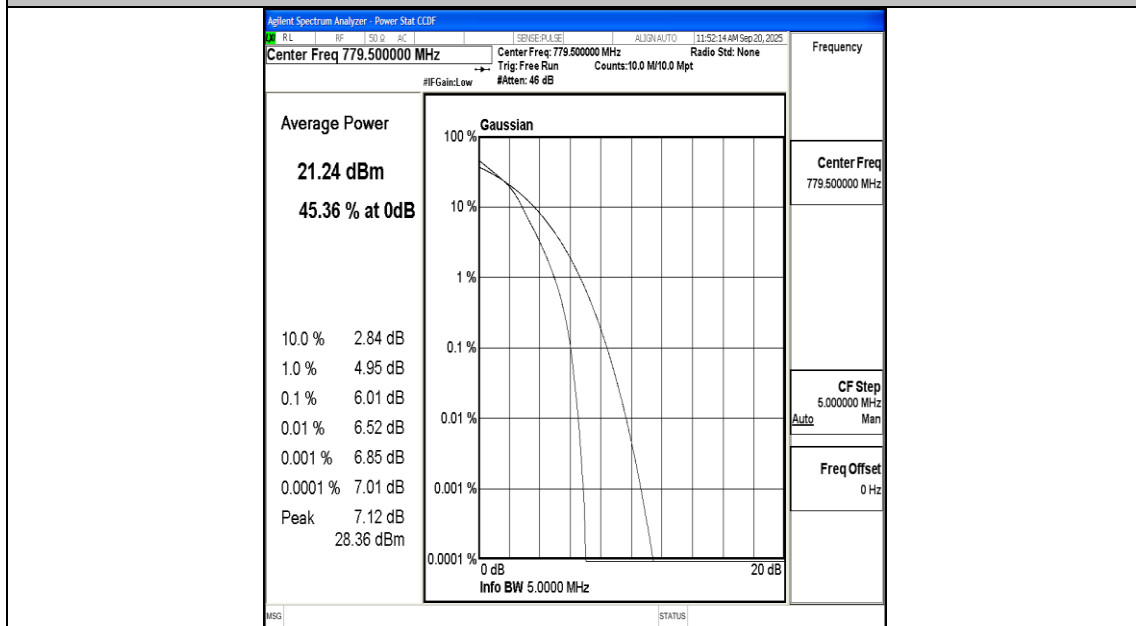
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	4.68	13	PASS
Band13	5MHz	16QAM	23205	1RB#0	5.63	13	PASS
Band13	5MHz	QPSK	23205	25RB#0	5.20	13	PASS
Band13	5MHz	16QAM	23205	25RB#0	6.01	13	PASS
Band13	5MHz	QPSK	23230	1RB#0	4.70	13	PASS
Band13	5MHz	16QAM	23230	1RB#0	5.50	13	PASS
Band13	5MHz	QPSK	23230	25RB#0	5.29	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	6.04	13	PASS
Band13	5MHz	QPSK	23255	1RB#0	4.66	13	PASS
Band13	5MHz	16QAM	23255	1RB#0	5.56	13	PASS
Band13	5MHz	QPSK	23255	25RB#0	5.35	13	PASS
Band13	5MHz	16QAM	23255	25RB#0	6.10	13	PASS
Band13	10MHz	QPSK	23230	1RB#0	4.76	13	PASS
Band13	10MHz	16QAM	23230	1RB#0	5.51	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	5.31	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	6.10	13	PASS

Test Graphs

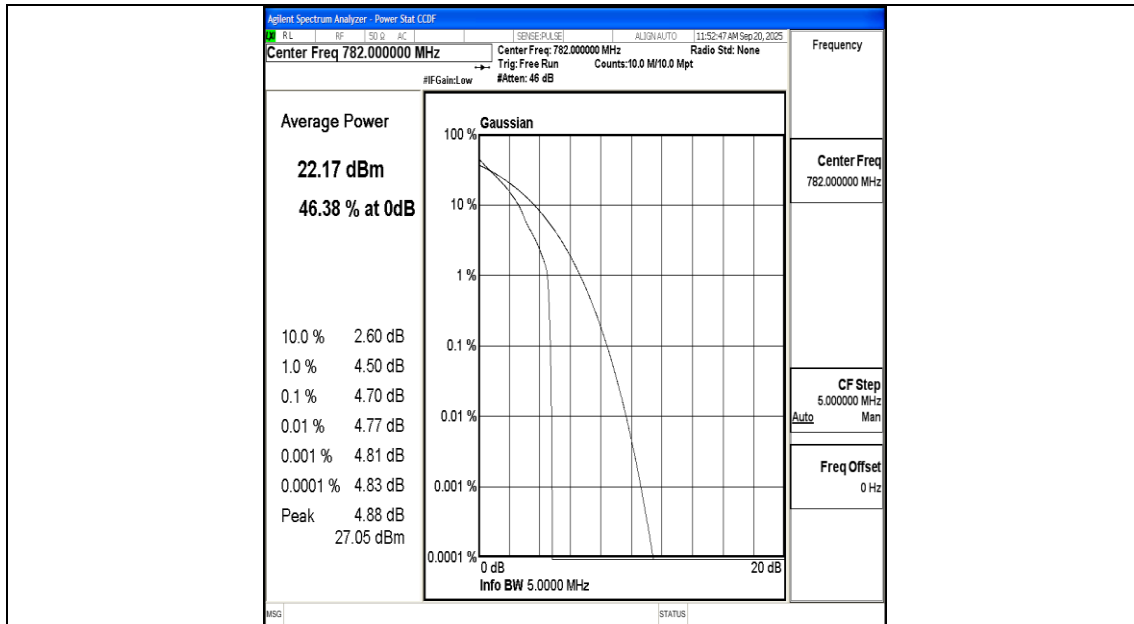




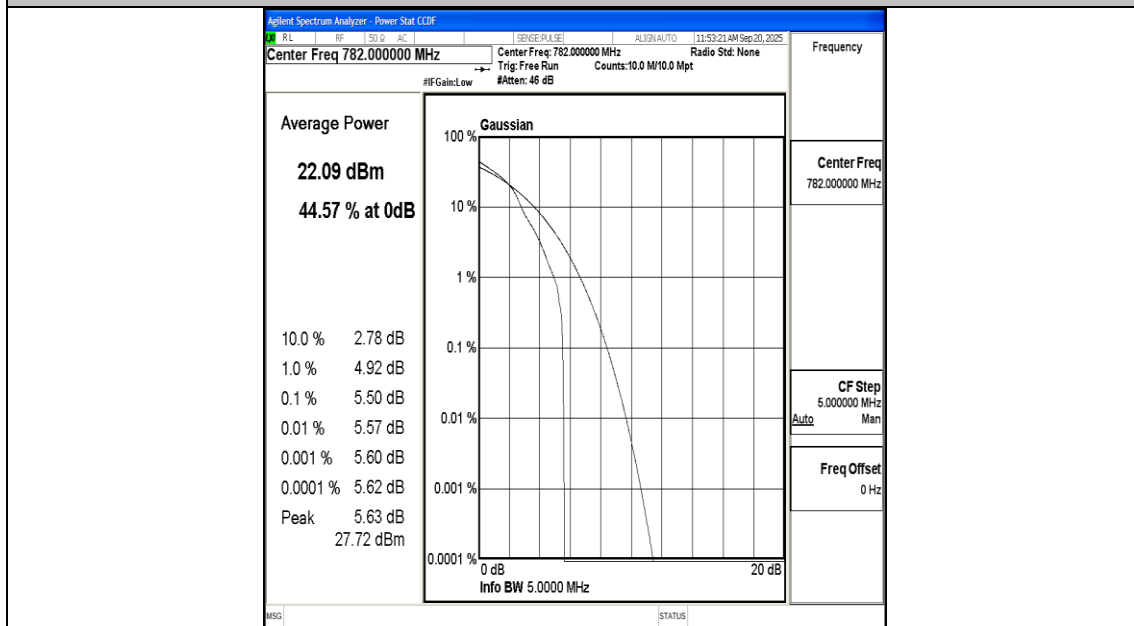
Band13-5MHz-QPSK-23205-25RB#0-PASS



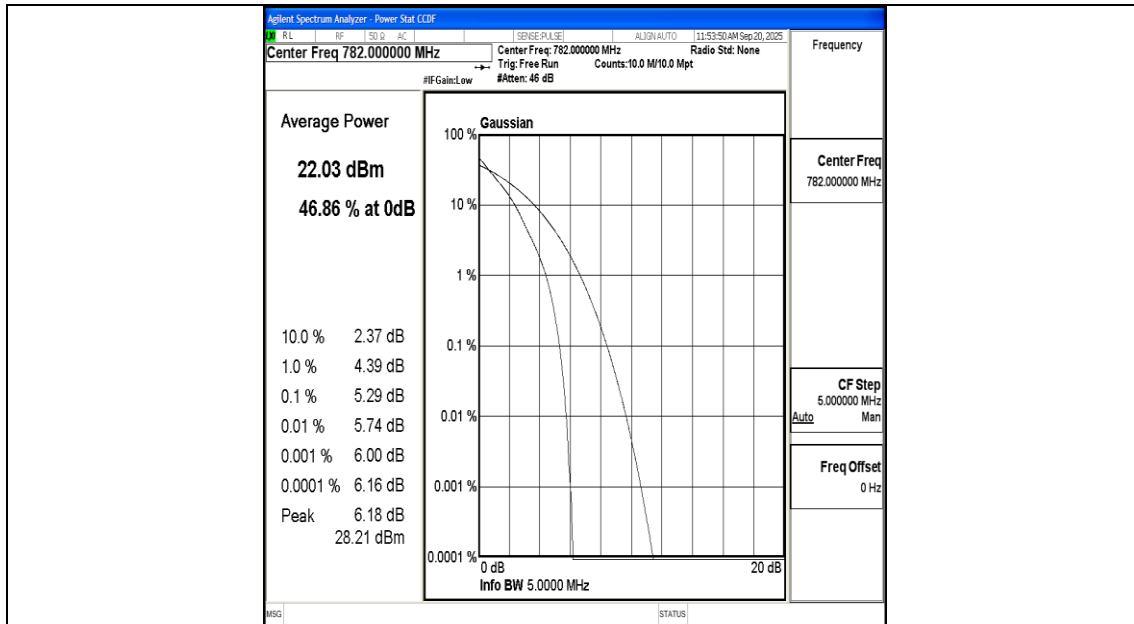
Band13-5MHz-16QAM-23205-25RB#0-PASS



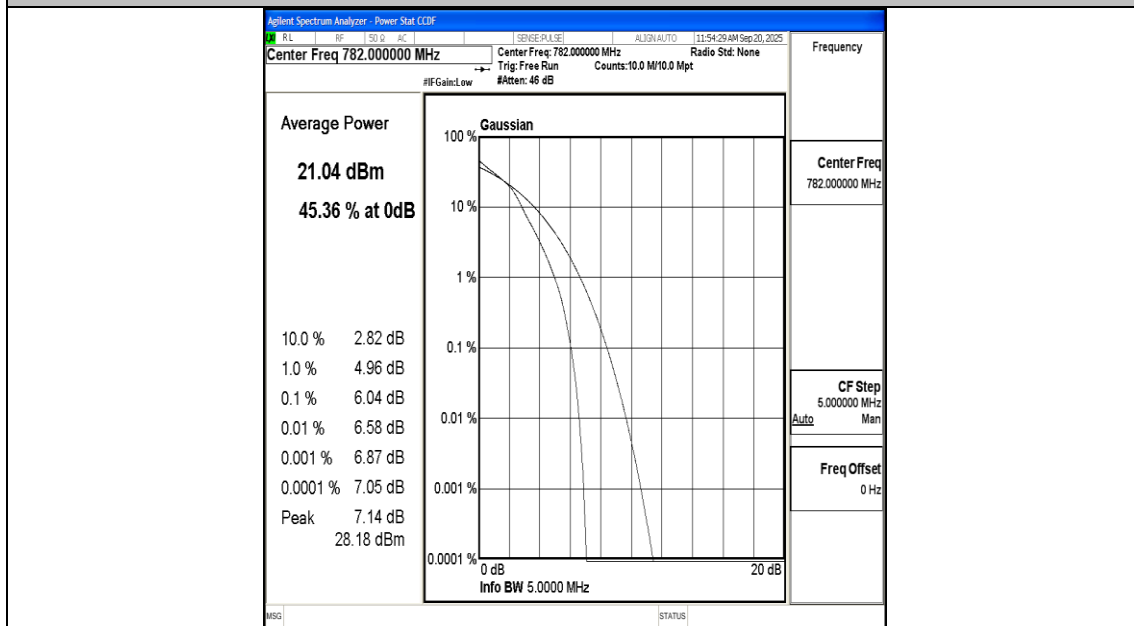
Band13-5MHz-QPSK-23230-1RB#0-PASS



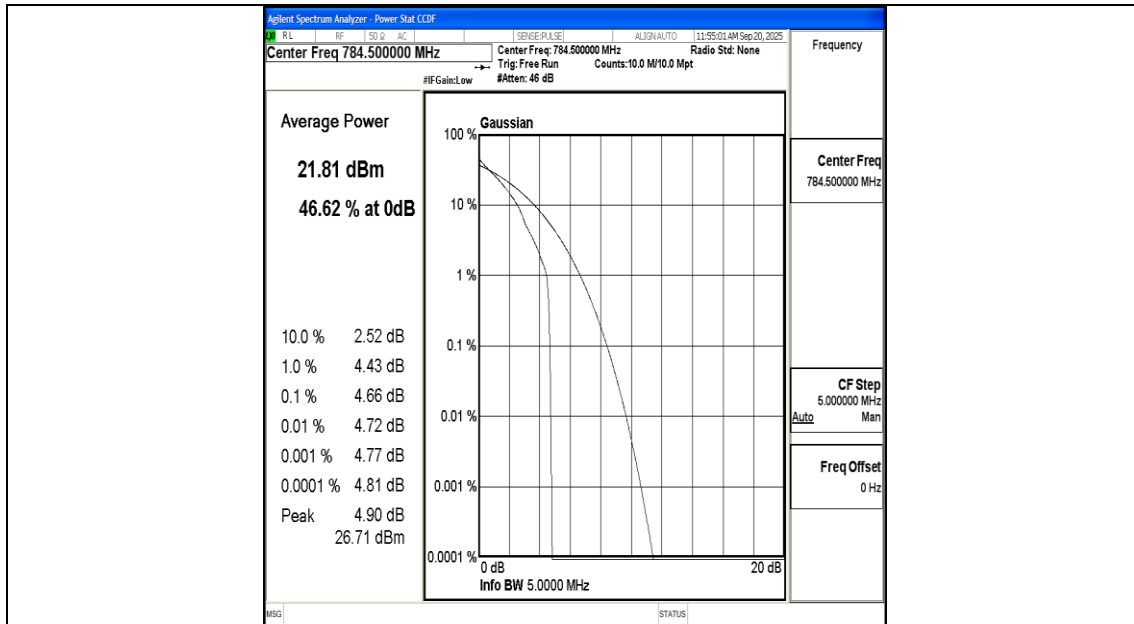
Band13-5MHz-16QAM-23230-1RB#0-PASS



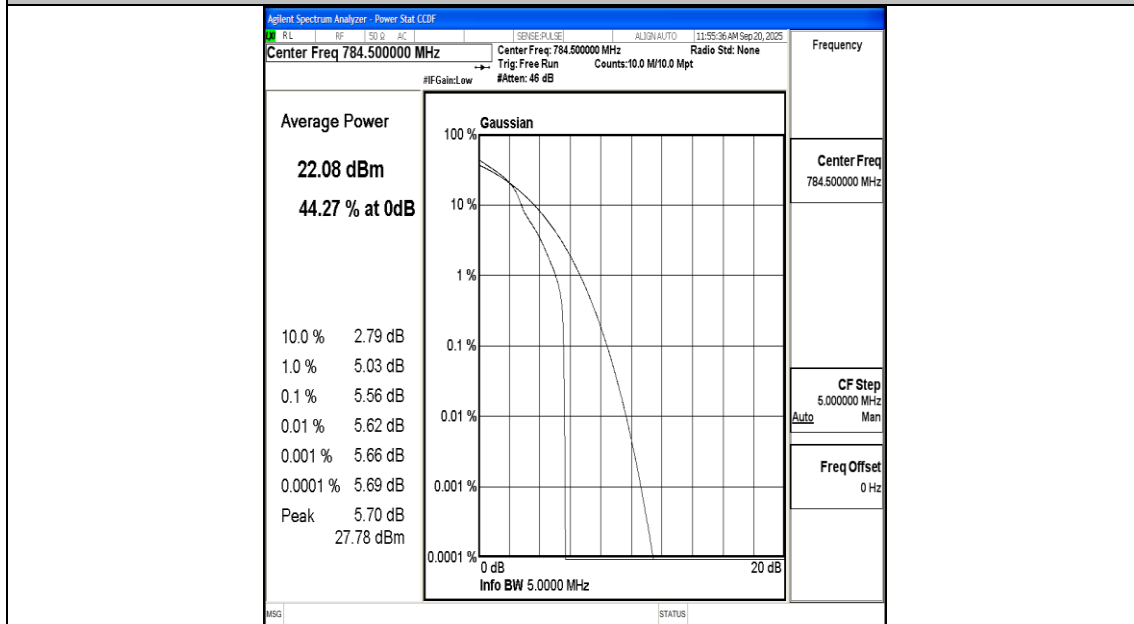
Band13-5MHz-QPSK-23230-25RB#0-PASS



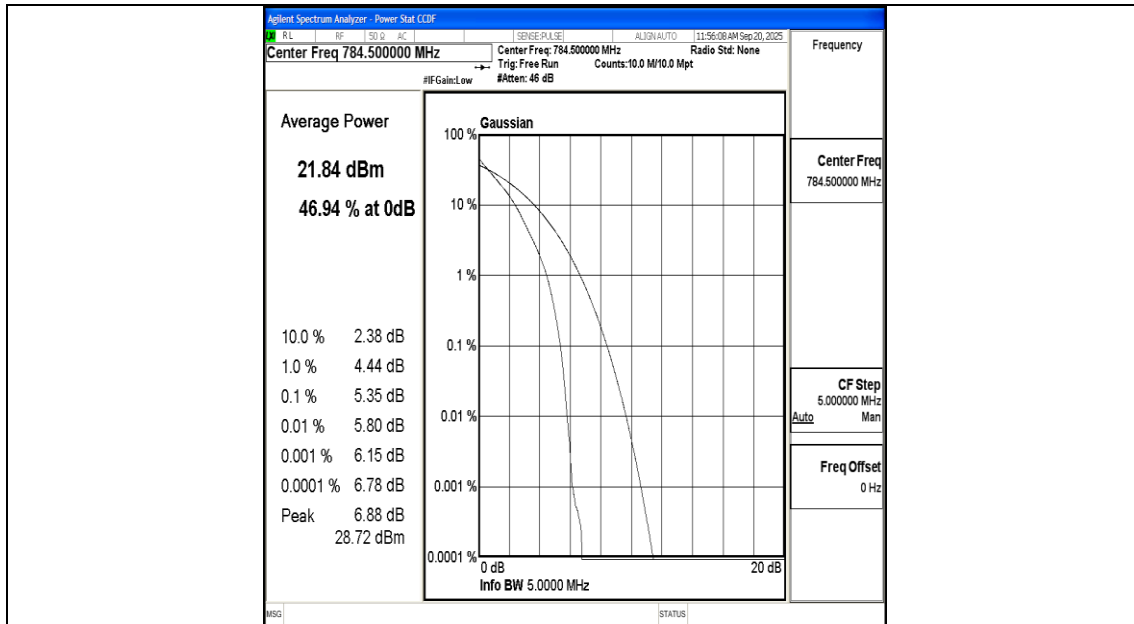
Band13-5MHz-16QAM-23230-25RB#0-PASS



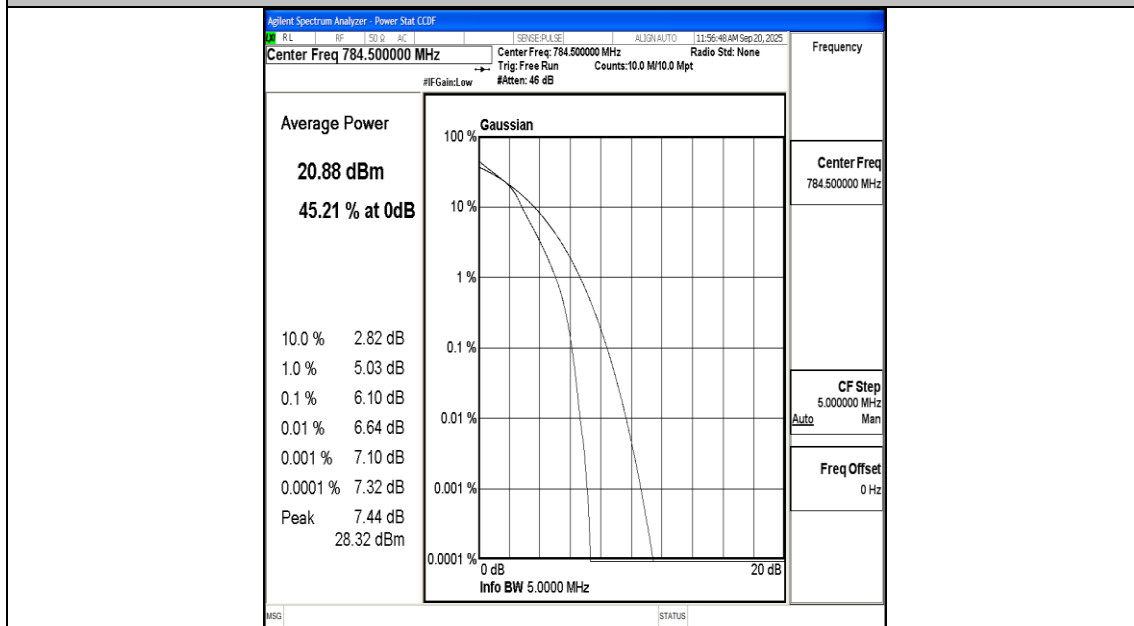
Band13-5MHz-QPSK-23255-1RB#0-PASS



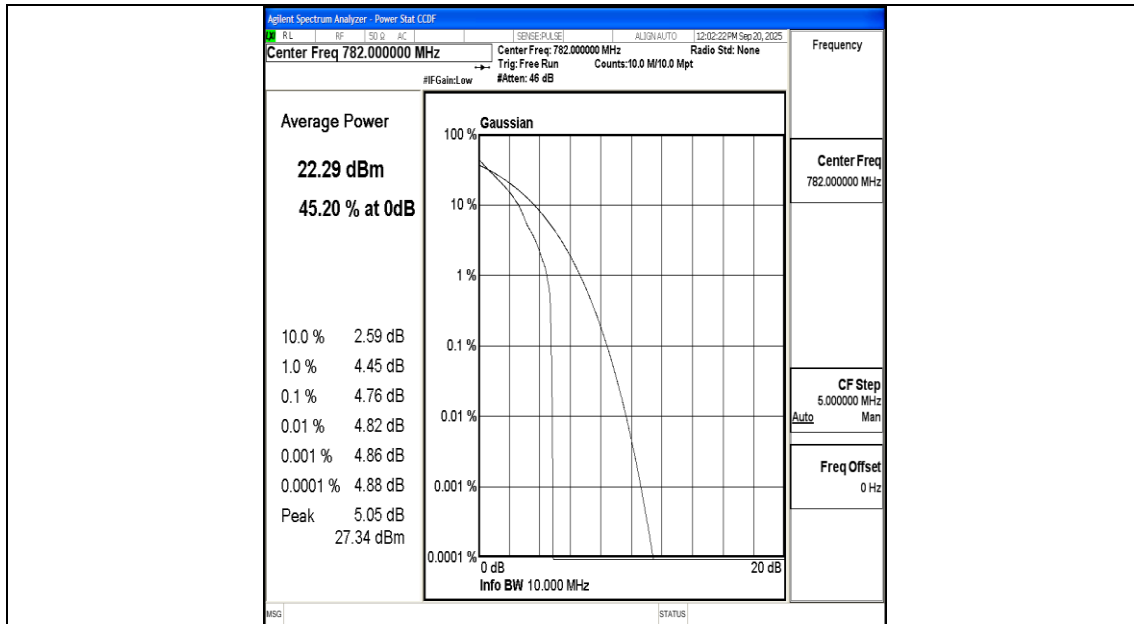
Band13-5MHz-16QAM-23255-1RB#0-PASS



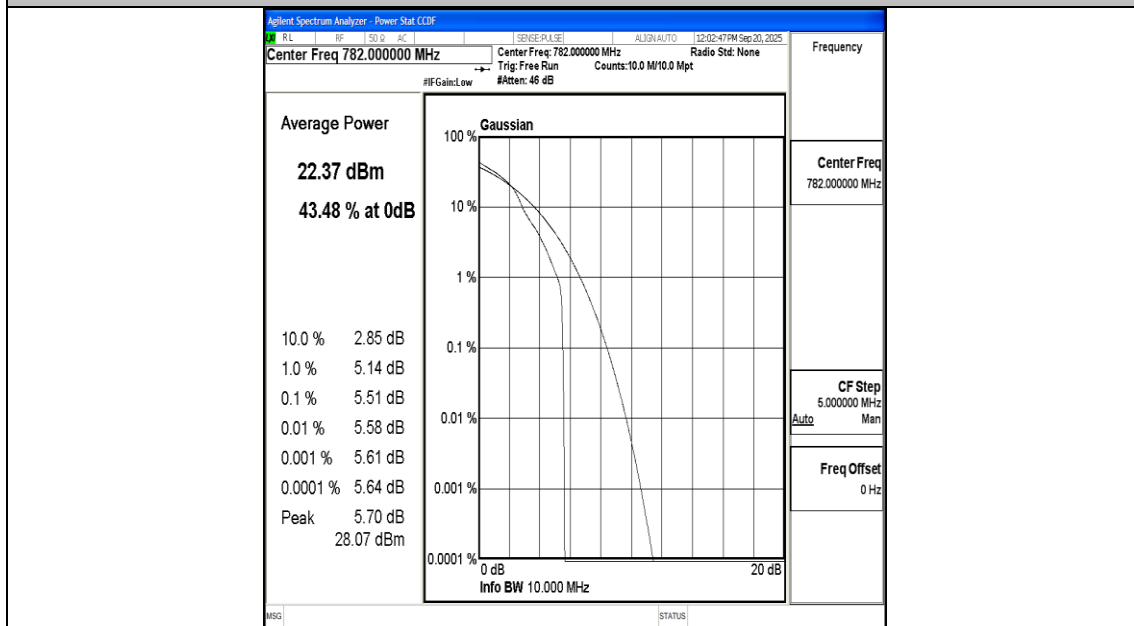
Band13-5MHz-QPSK-23255-25RB#0-PASS



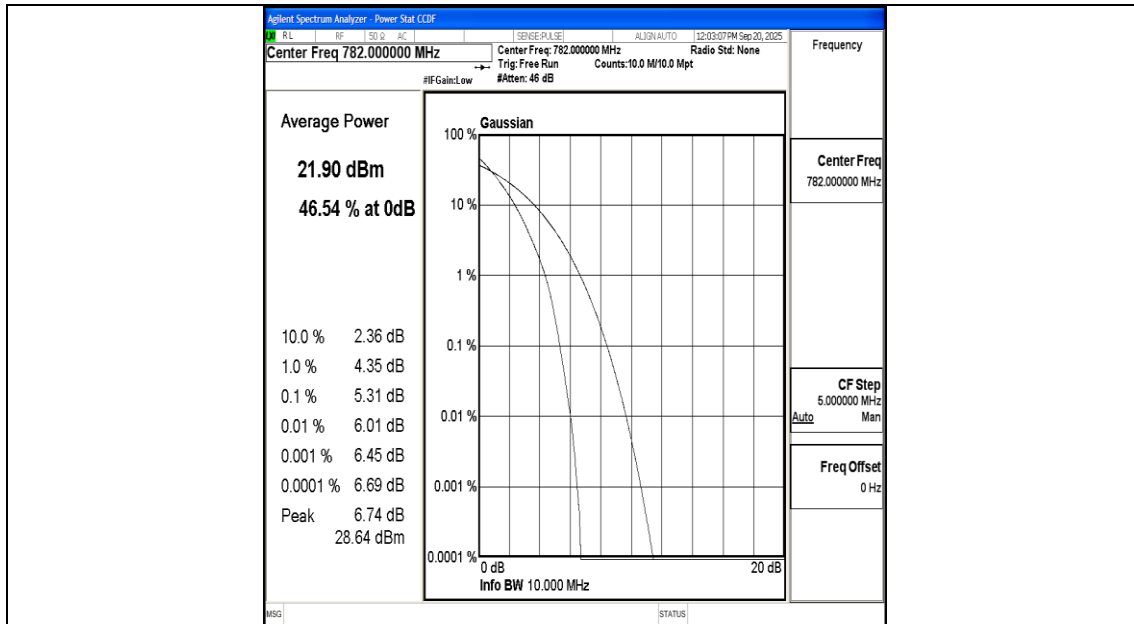
Band13-5MHz-16QAM-23255-25RB#0-PASS



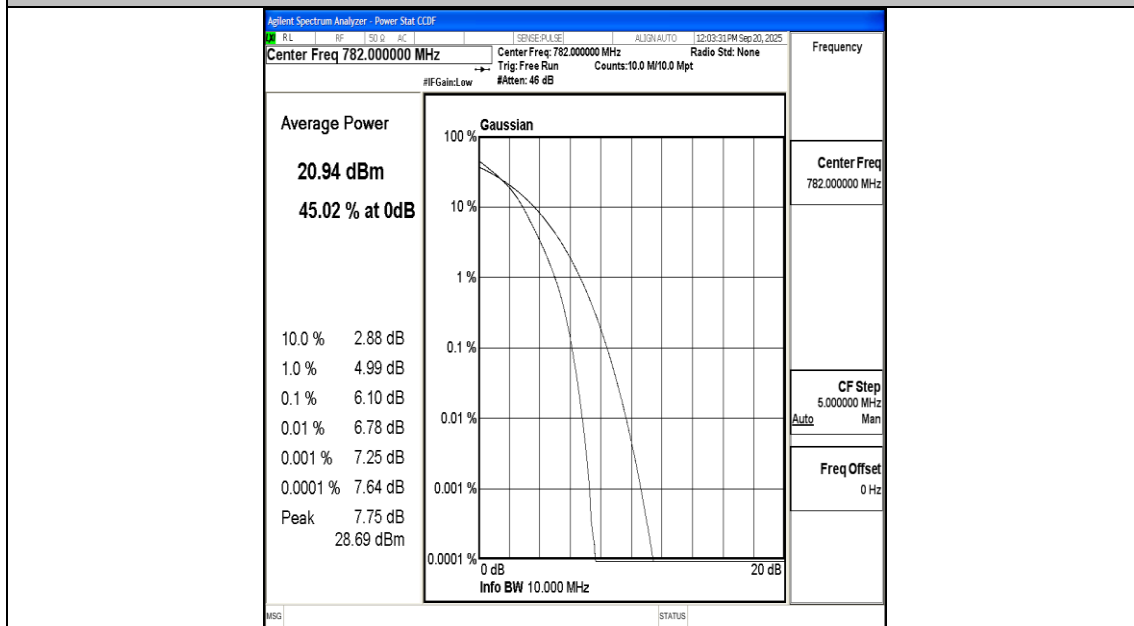
Band13-10MHz-QPSK-23230-1RB#0-PASS



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



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



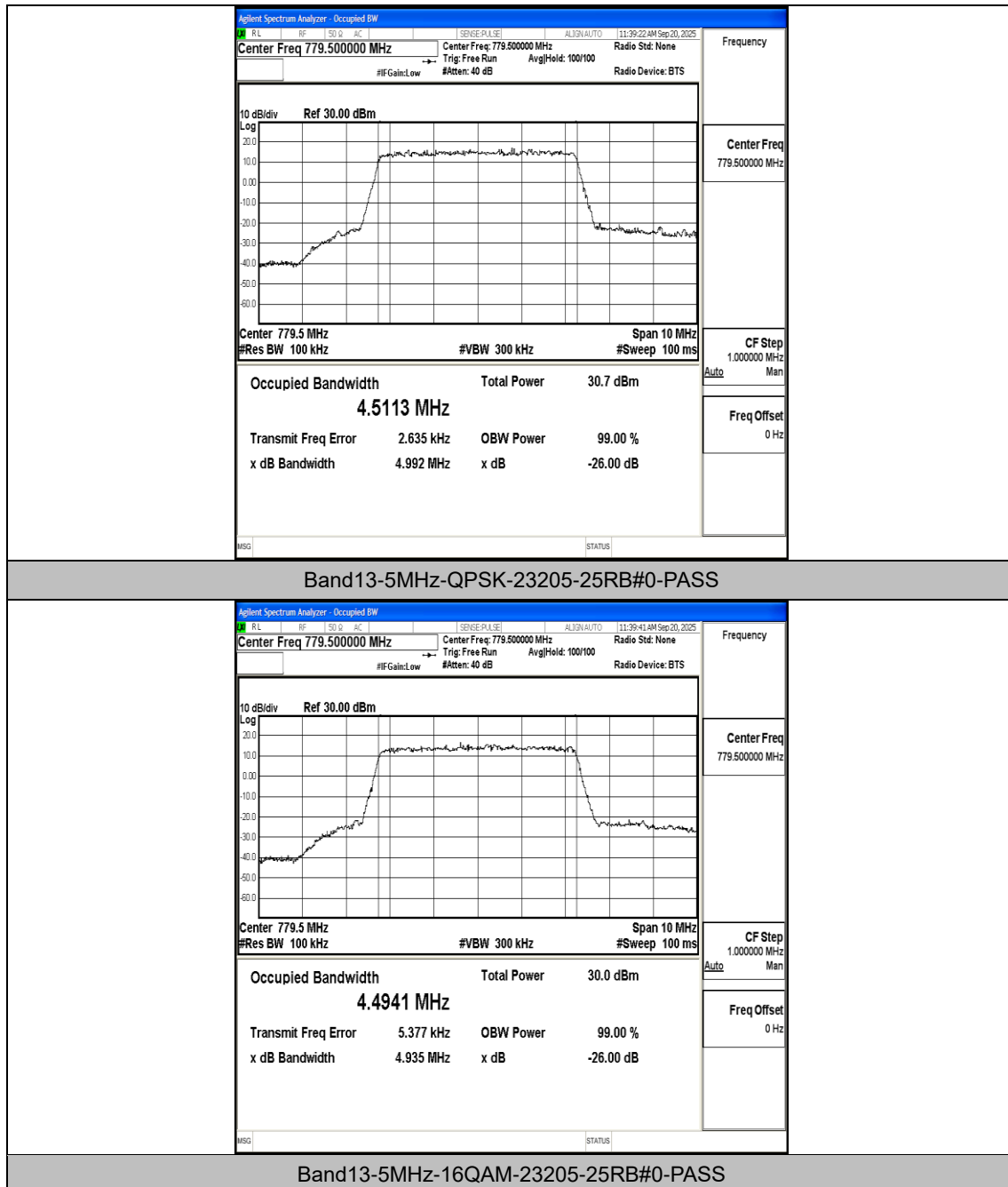
Band13-10MHz-16QAM-23230-50RB#0-PASS

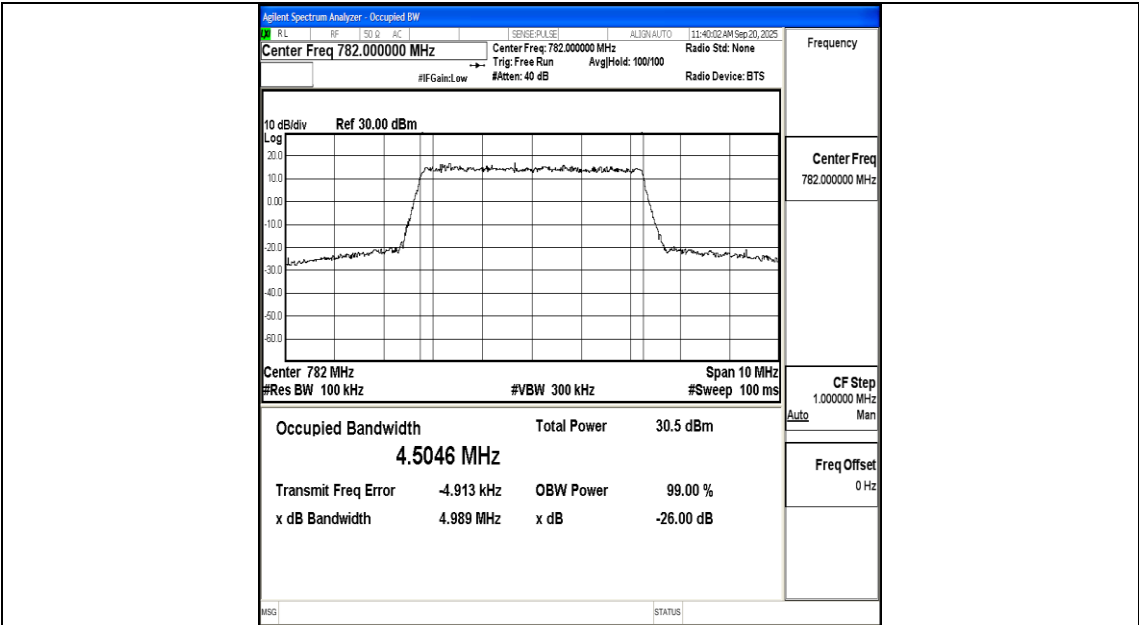
3 26dB Bandwidth and Occupied Bandwidth

Test Result

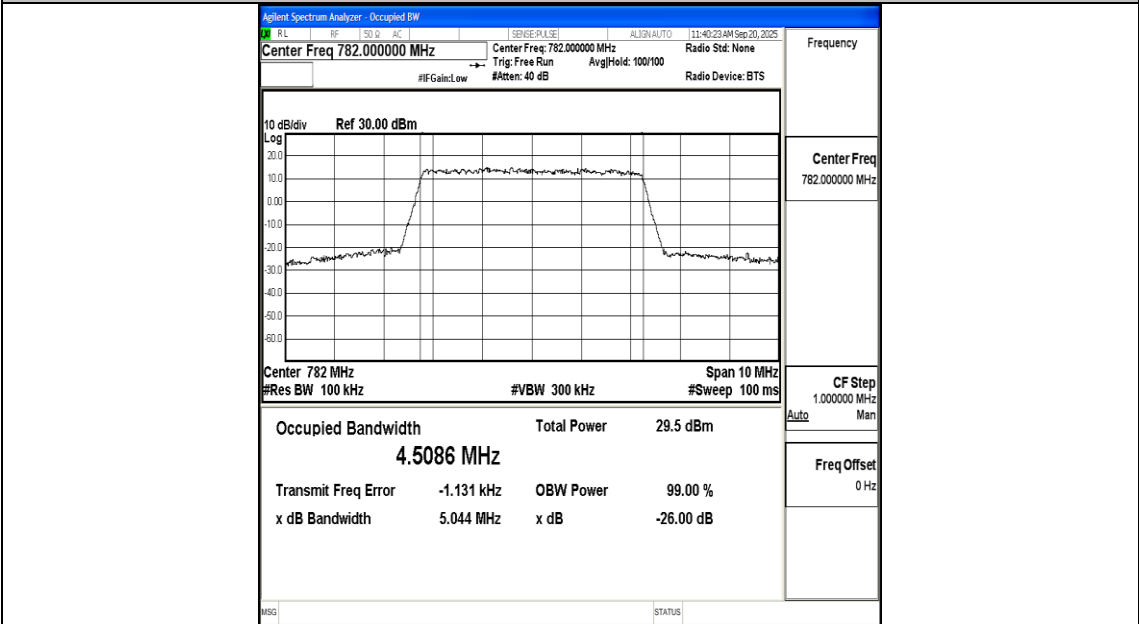
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.5113	4.992	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.4941	4.935	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.5046	4.989	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.5086	5.044	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.5088	4.965	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.5299	5.055	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9684	9.913	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.9450	9.847	PASS

Test Graphs

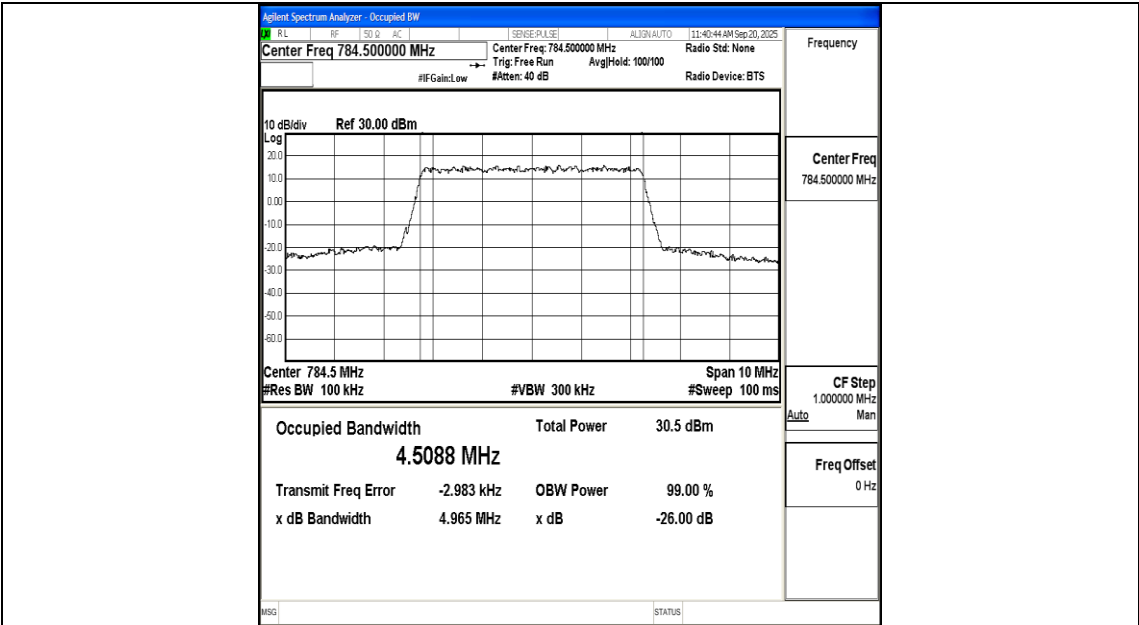




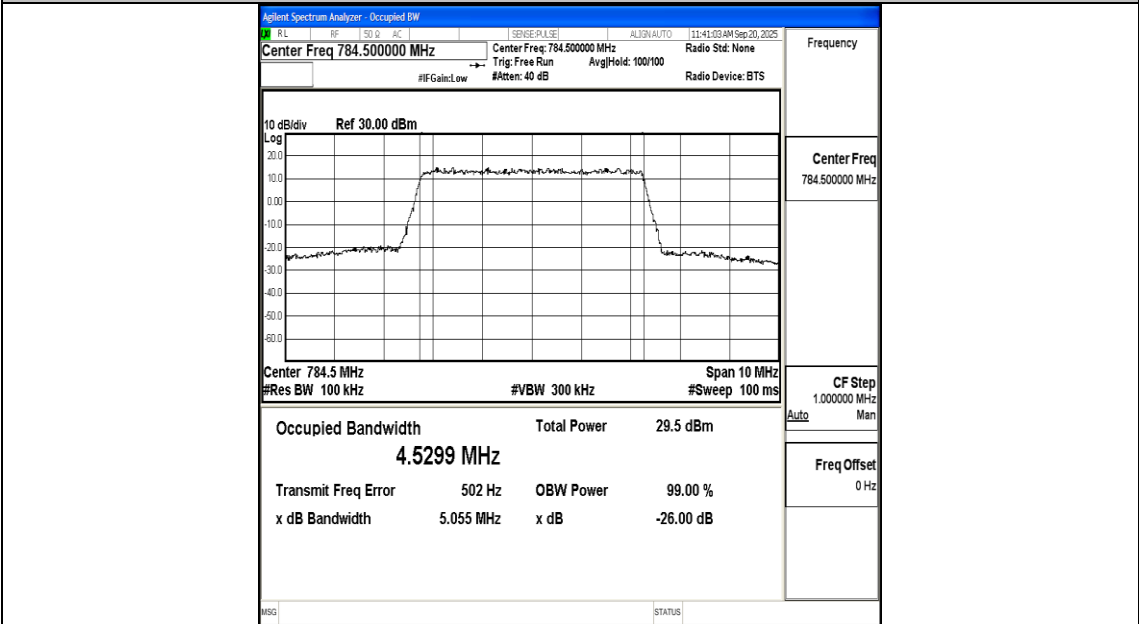
Band13-5MHz-QPSK-23230-25RB#0-PASS



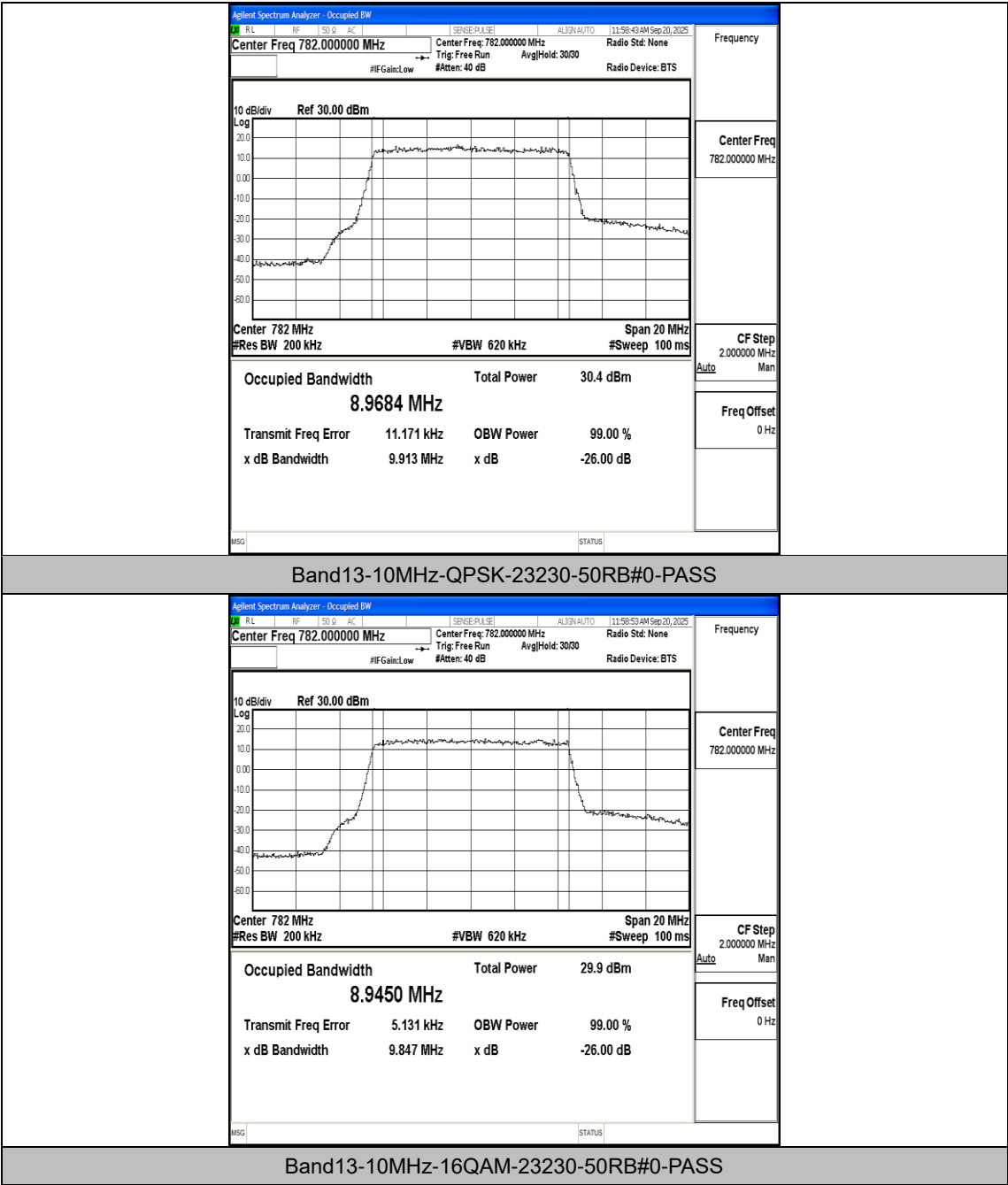
Band13-5MHz-16QAM-23230-25RB#0-PASS



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



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



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

Agilent Spectrum Analyzer - Occupied BW

R.L.

RF

SO

AC

SENSE: PULSE

ALIGN: AUTO

11:59:53 AM Sep 20, 2025

Center Freq 782.000000 MHz

Center Freq: 782.000000 MHz

Trig: Free Run

Avg/Hold: 30/00

Radio Std: None

#IF Gain: Low

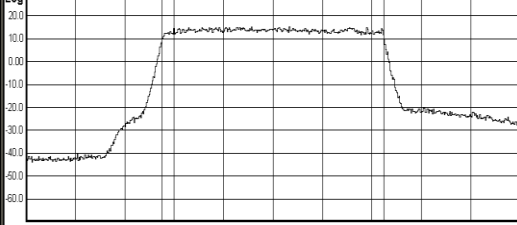
#Atten: 40 dB

Radio Device: BTS

10 dB/div

Ref 30.00 dBm

Log



Center 782 MHz

#Res BW 200 kHz

#VBW 620 kHz

Span 20 MHz

#Sweep 100 ms

Occupied Bandwidth

8.9450 MHz

Total Power

29.9 dBm

Transmit Freq Error

5.131 kHz

OBW Power

99.00 %

x dB Bandwidth

9.847 MHz

x dB

-26.00 dB

MSG

STATUS

Frequency

Center Freq

782.000000 MHz

CF Step

2.000000 MHz

Auto

Man

Freq Offset

0 Hz

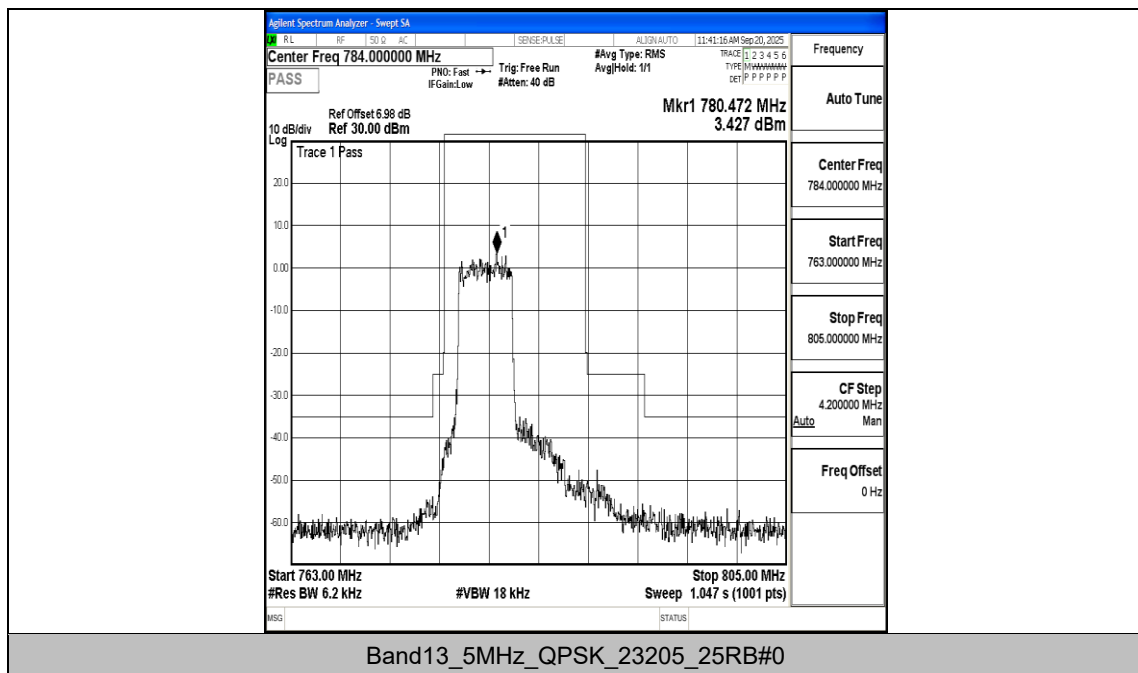
Band13-10MHz-16QAM-23230-50RB#0-PASS

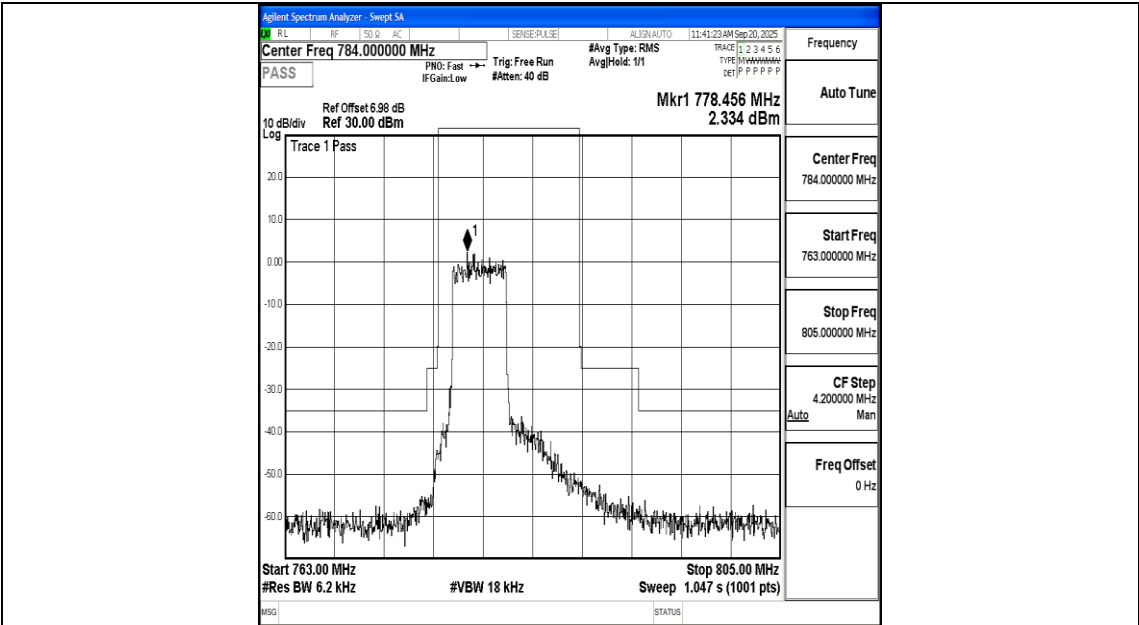
4 Band Edge

Test Result

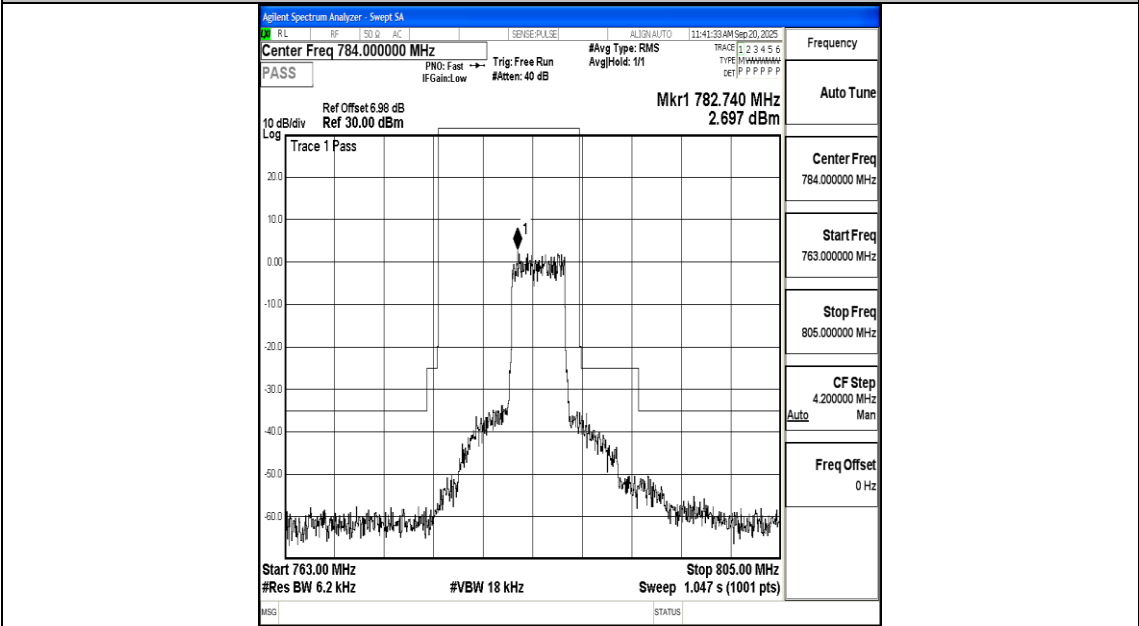
Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	774.51	-54.60	PASS
Band13	5MHz	16QAM	23205	25RB#0	775.89	-44.40	PASS
Band13	5MHz	QPSK	23255	25RB#0	788.58	-35.71	PASS
Band13	5MHz	16QAM	23255	25RB#0	788.49	-38.00	PASS
Band13	10MHz	QPSK	23230	50RB#0	793.07	-44.48	PASS
Band13	10MHz	16QAM	23230	50RB#0	793.28	-46.35	PASS

Test Graphs

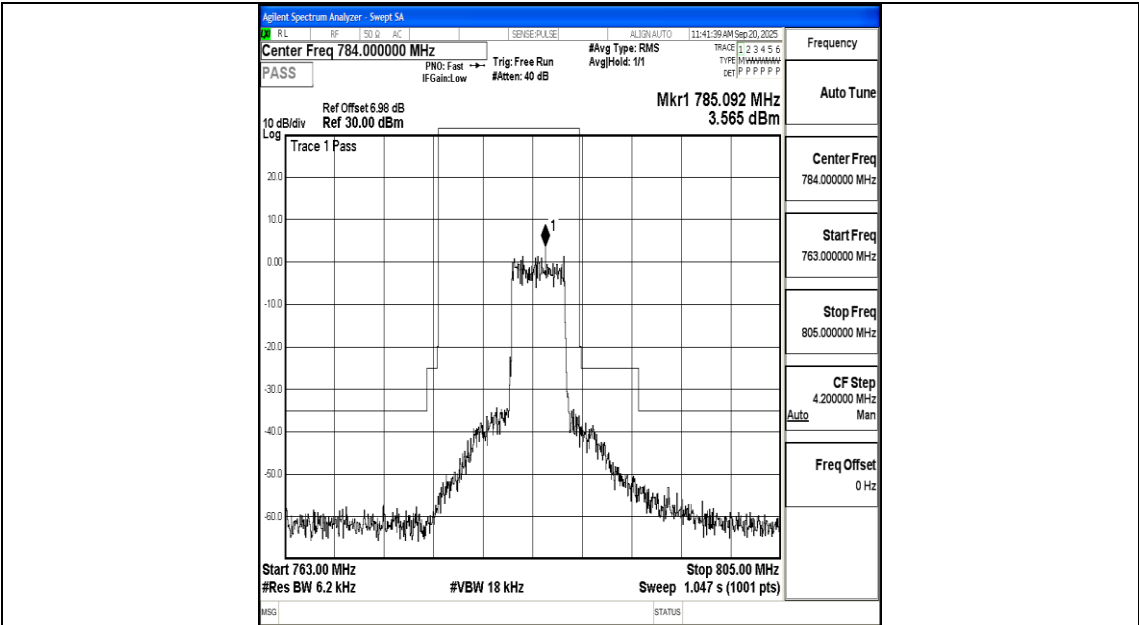




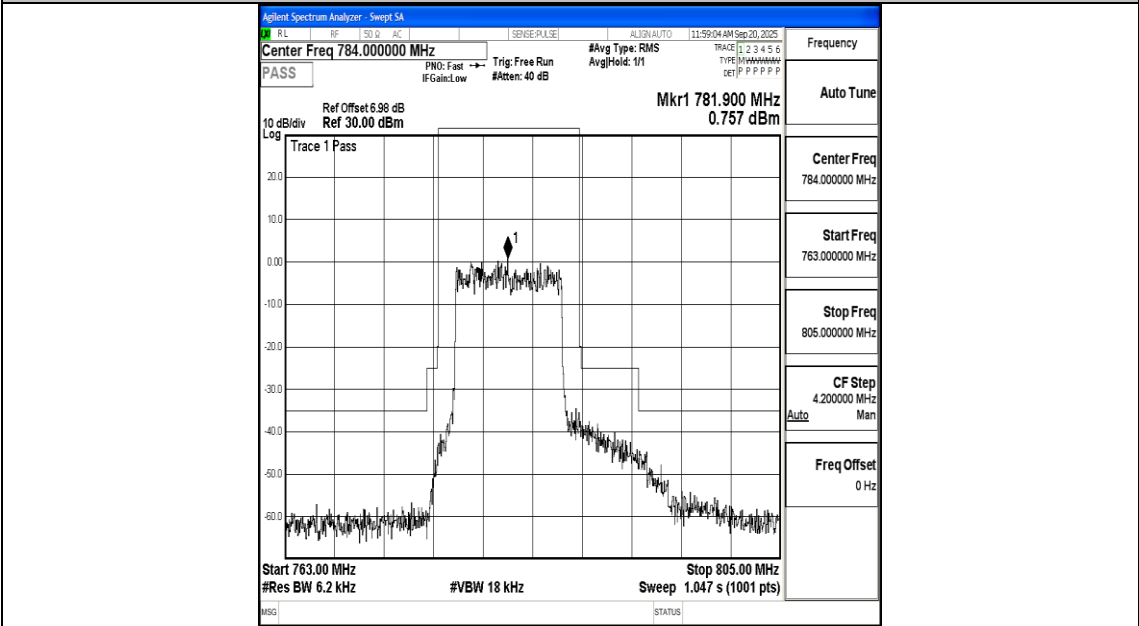
Band13_5MHz_16QAM_23205_25RB#0



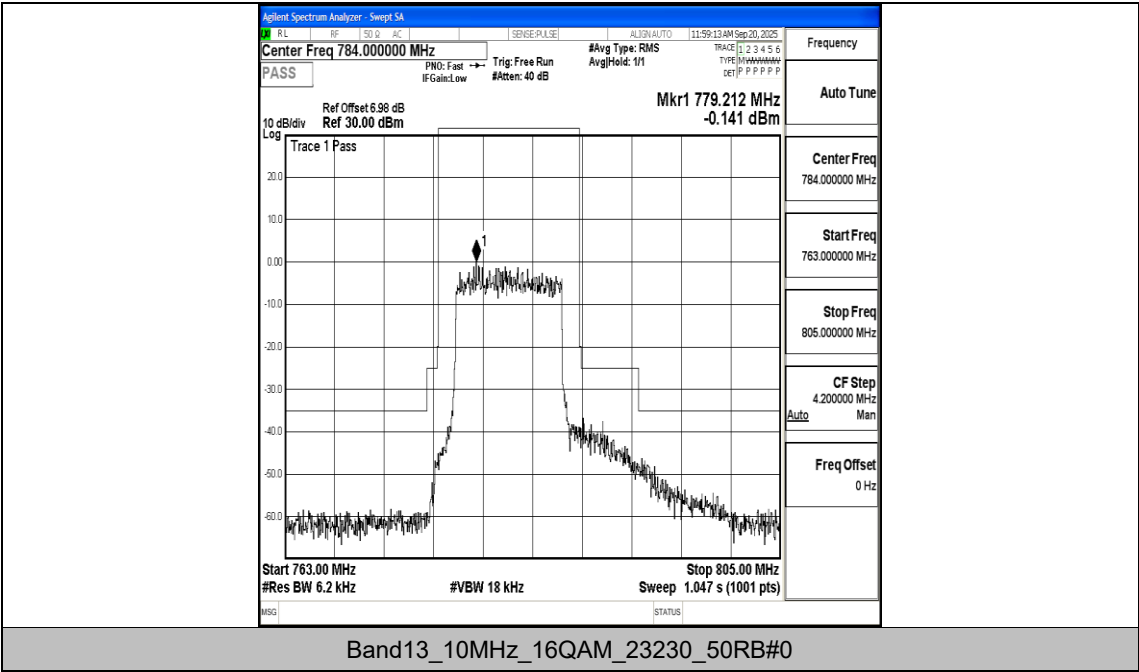
Band13_5MHz_QPSK_23255_25RB#0



Band13_5MHz_16QAM_23255_25RB#0



Band13_10MHz_QPSK_23230_50RB#0



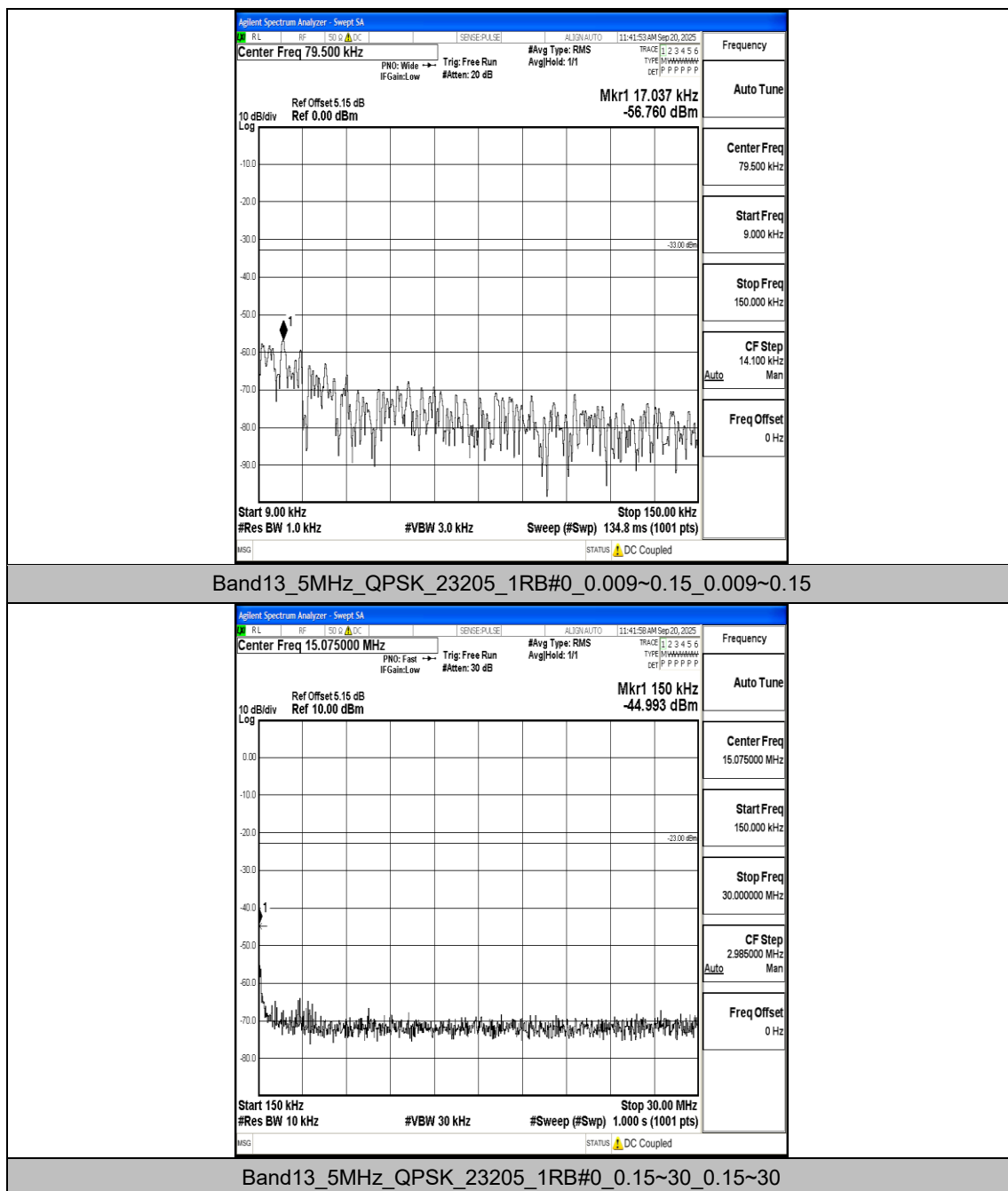
5 Conducted Spurious Emission

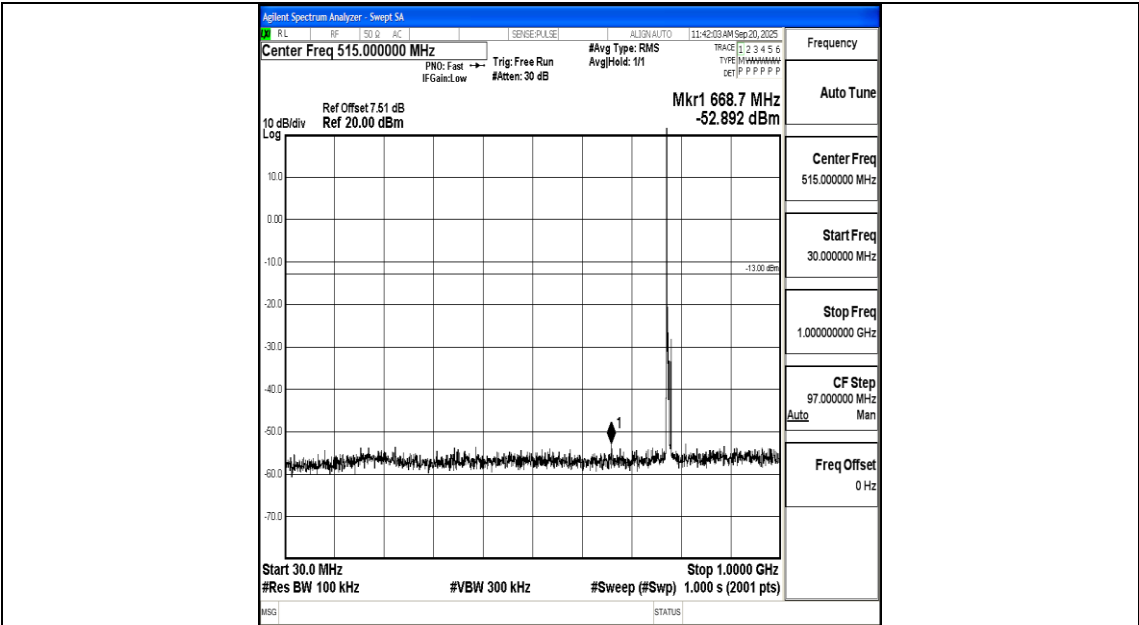
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	0.009~0.15	-56.76	PASS
Band13	5MHz	QPSK	23205	1RB#0	0.15~30	-44.99	PASS
Band13	5MHz	QPSK	23205	1RB#0	30~1000	-52.89	PASS
Band13	5MHz	QPSK	23205	1RB#0	1000~3000	-38.31	PASS
Band13	5MHz	QPSK	23205	1RB#0	3000~10000	-35.09	PASS
Band13	5MHz	16QAM	23205	1RB#0	0.009~0.15	-56.85	PASS
Band13	5MHz	16QAM	23205	1RB#0	0.15~30	-47.78	PASS
Band13	5MHz	16QAM	23205	1RB#0	30~1000	-53.15	PASS
Band13	5MHz	16QAM	23205	1RB#0	1000~3000	-36.57	PASS
Band13	5MHz	16QAM	23205	1RB#0	3000~10000	-35.74	PASS
Band13	5MHz	QPSK	23230	1RB#0	0.009~0.15	-57.97	PASS
Band13	5MHz	QPSK	23230	1RB#0	0.15~30	-46.26	PASS
Band13	5MHz	QPSK	23230	1RB#0	30~1000	-53.17	PASS
Band13	5MHz	QPSK	23230	1RB#0	1000~3000	-36.83	PASS
Band13	5MHz	QPSK	23230	1RB#0	3000~10000	-34.87	PASS
Band13	5MHz	16QAM	23230	1RB#0	0.009~0.15	-55.46	PASS
Band13	5MHz	16QAM	23230	1RB#0	0.15~30	-46.06	PASS
Band13	5MHz	16QAM	23230	1RB#0	30~1000	-53.01	PASS
Band13	5MHz	16QAM	23230	1RB#0	1000~3000	-37.26	PASS
Band13	5MHz	16QAM	23230	1RB#0	3000~10000	-35.16	PASS
Band13	5MHz	QPSK	23255	1RB#0	0.009~0.15	-56.06	PASS
Band13	5MHz	QPSK	23255	1RB#0	0.15~30	-45.69	PASS
Band13	5MHz	QPSK	23255	1RB#0	30~1000	-53.05	PASS
Band13	5MHz	QPSK	23255	1RB#0	1000~3000	-38.74	PASS
Band13	5MHz	QPSK	23255	1RB#0	3000~10000	-35.05	PASS
Band13	5MHz	16QAM	23255	1RB#0	0.009~0.15	-57.60	PASS
Band13	5MHz	16QAM	23255	1RB#0	0.15~30	-45.86	PASS
Band13	5MHz	16QAM	23255	1RB#0	30~1000	-52.89	PASS
Band13	5MHz	16QAM	23255	1RB#0	1000~3000	-34.69	PASS
Band13	5MHz	16QAM	23255	1RB#0	3000~10000	-35.65	PASS
Band13	10MHz	QPSK	23230	1RB#0	0.009~0.15	-55.87	PASS
Band13	10MHz	QPSK	23230	1RB#0	0.15~30	-44.90	PASS
Band13	10MHz	QPSK	23230	1RB#0	30~1000	-52.29	PASS
Band13	10MHz	QPSK	23230	1RB#0	1000~3000	-38.05	PASS
Band13	10MHz	QPSK	23230	1RB#0	3000~10000	-35.55	PASS
Band13	10MHz	16QAM	23230	1RB#0	0.009~0.15	-57.78	PASS

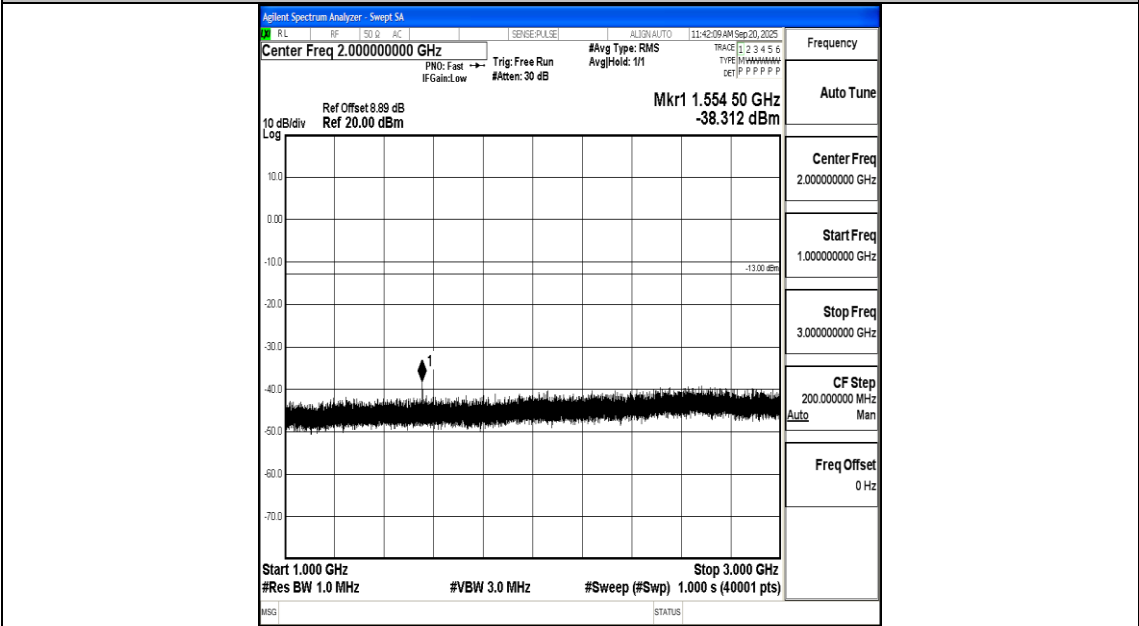
Band13	10MHz	16QAM	23230	1RB#0	0.15~30	-48.00	PASS
Band13	10MHz	16QAM	23230	1RB#0	30~1000	-53.48	PASS
Band13	10MHz	16QAM	23230	1RB#0	1000~3000	-37.14	PASS
Band13	10MHz	16QAM	23230	1RB#0	3000~10000	-35.10	PASS

Test Graphs

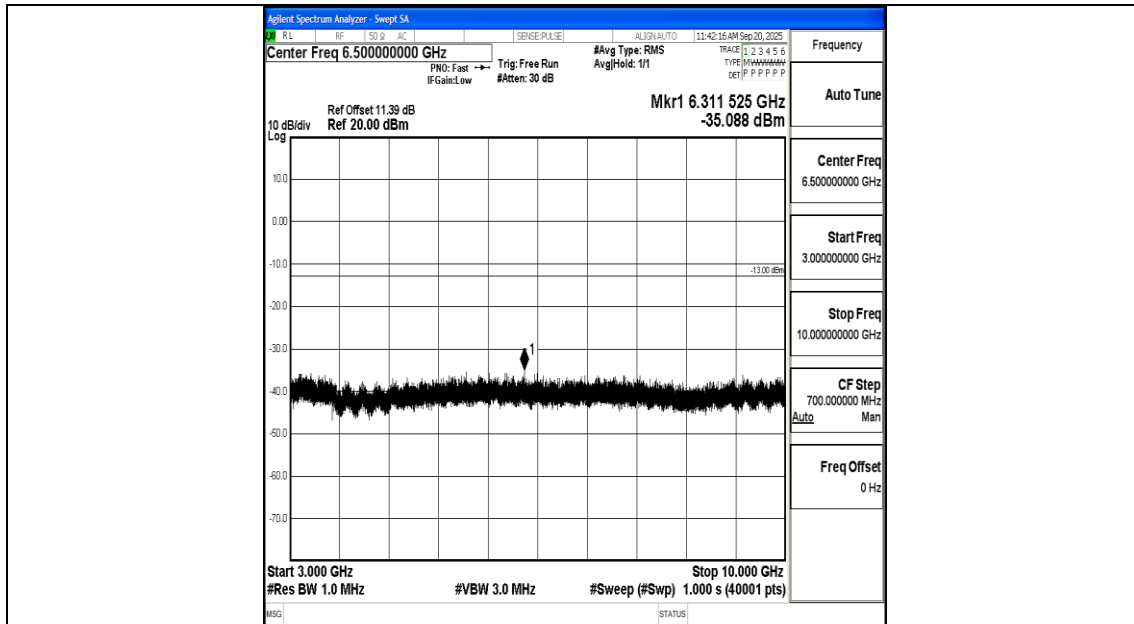




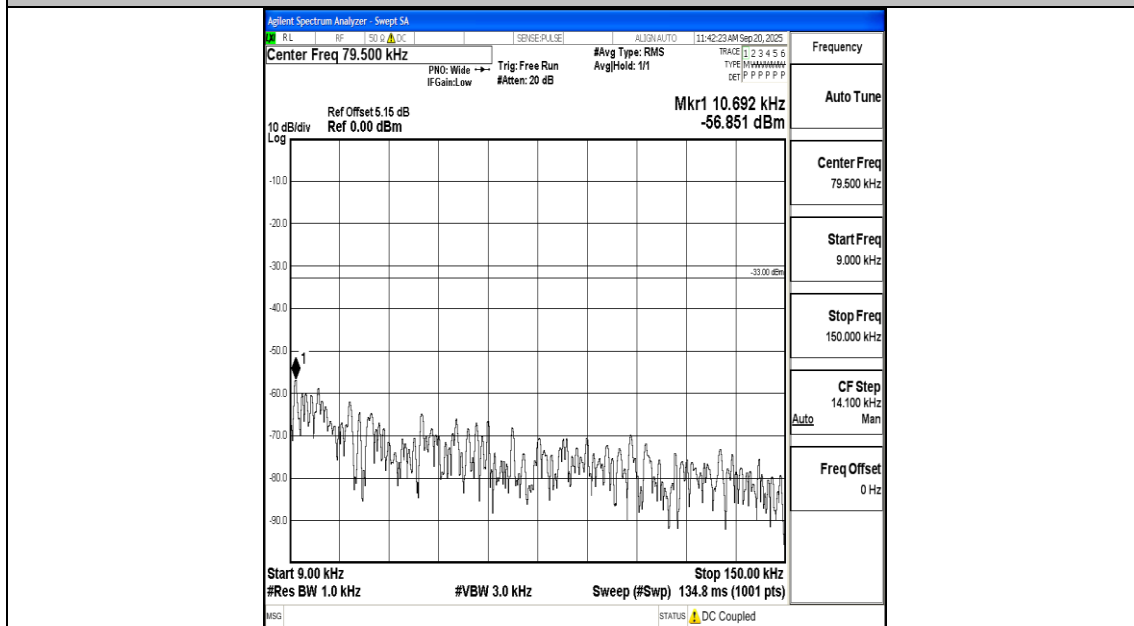
Band13_5MHz_QPSK_23205_1RB#0_30~1000_30~1000



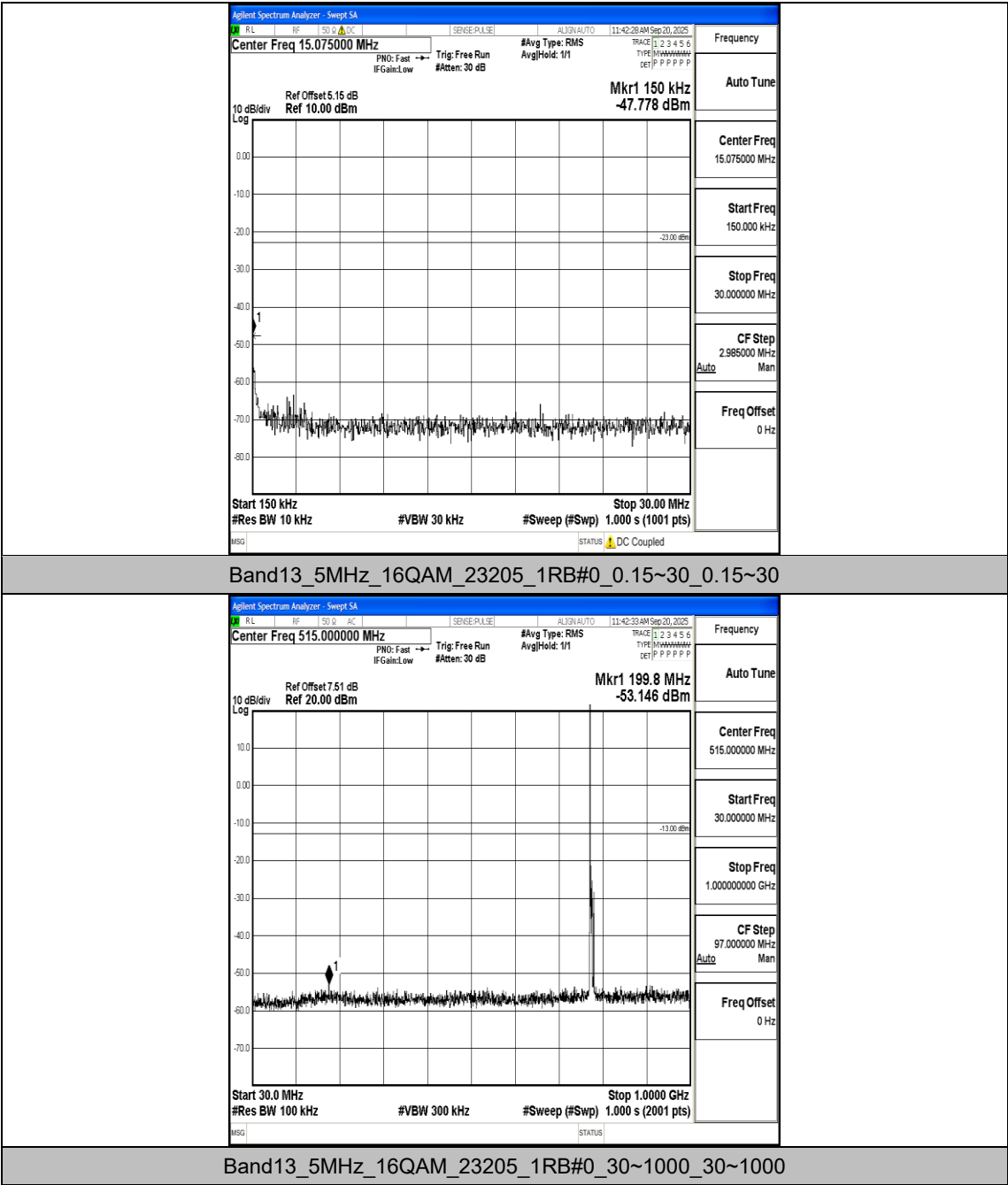
Band13_5MHz_QPSK_23205_1RB#0_1000~3000_1000~3000

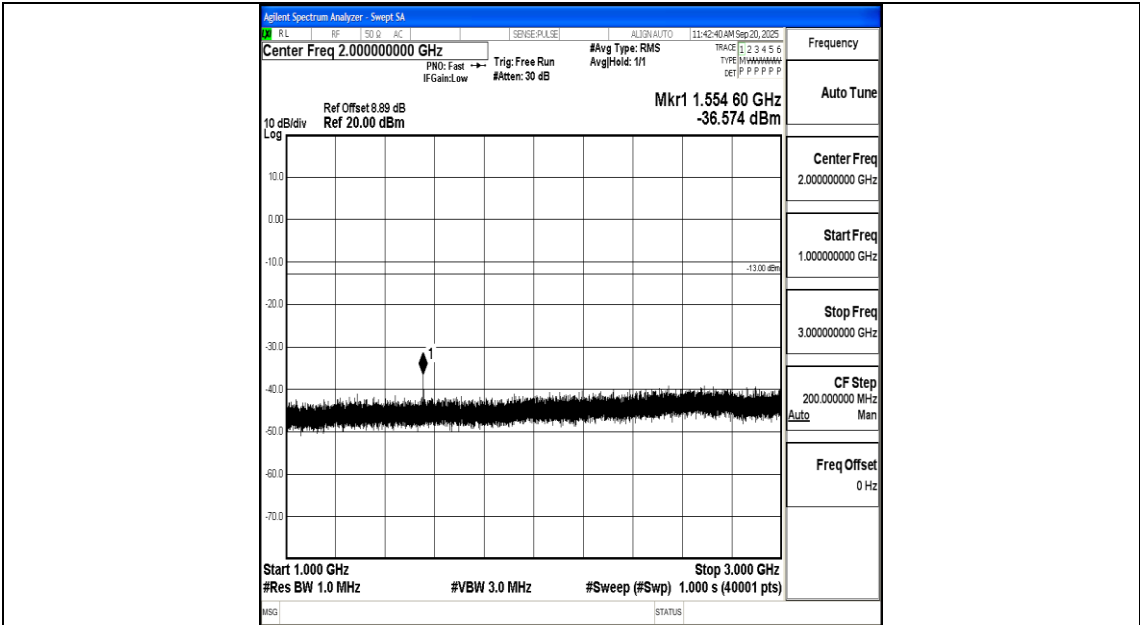


Band13_5MHz_QPSK_23205_1RB#0_3000~10000_3000~10000

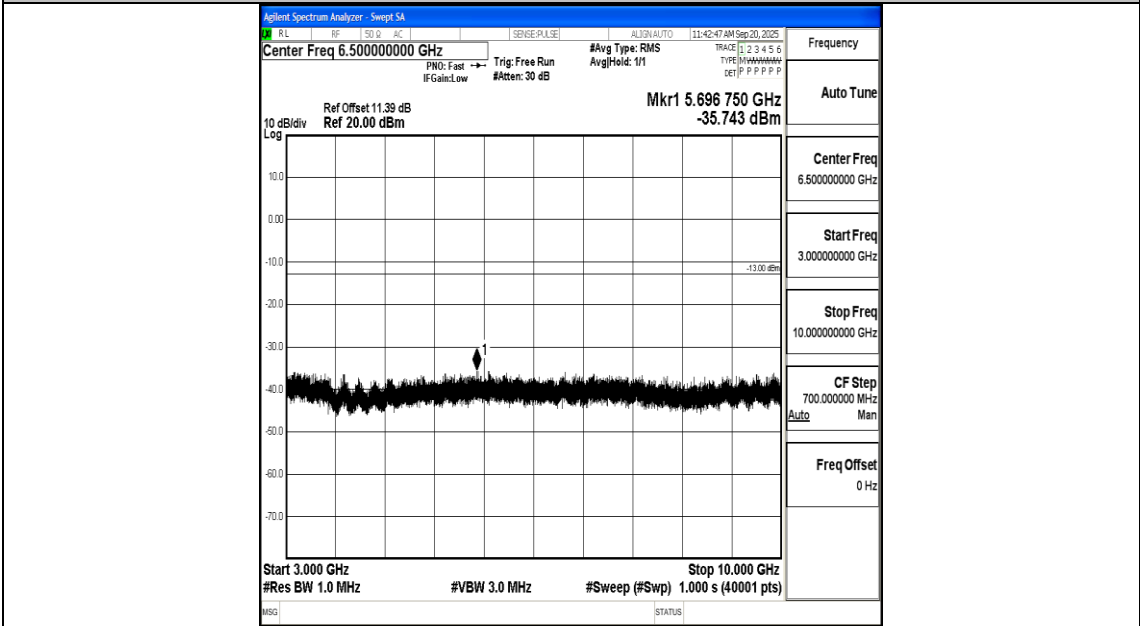


Band13_5MHz_16QAM_23205_1RB#0_0.009~0.15_0.009~0.15

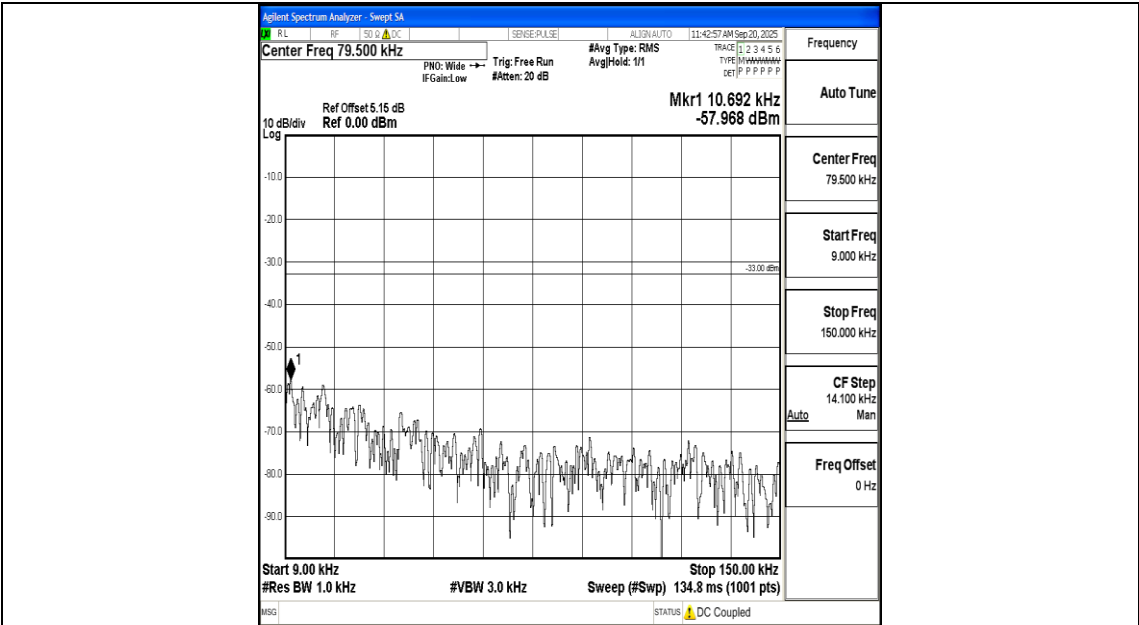




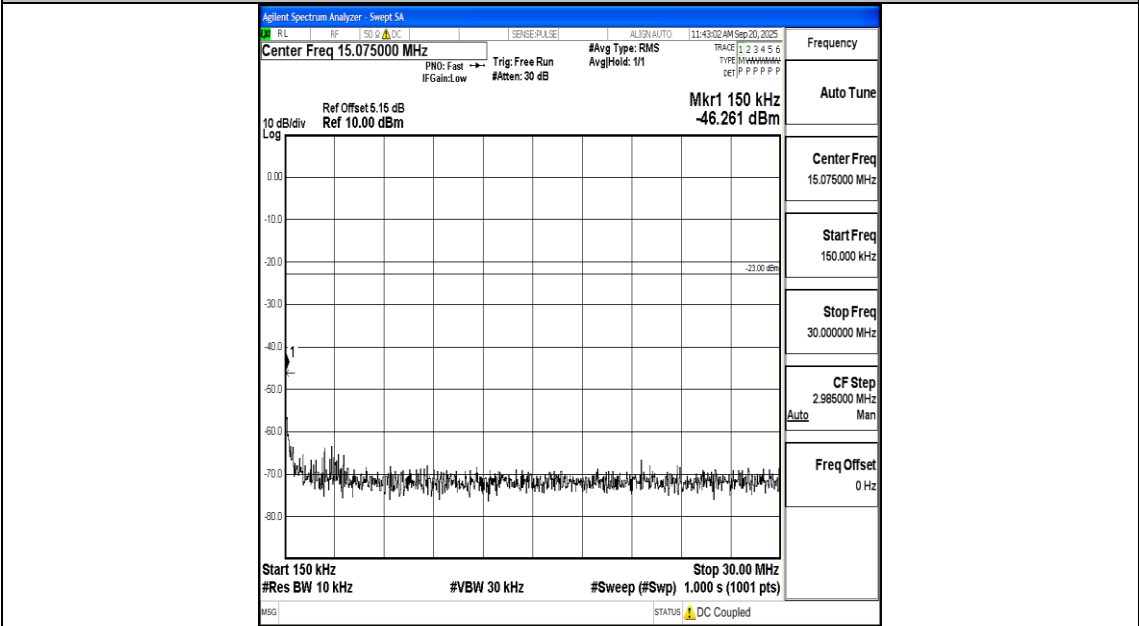
Band13_5MHz_16QAM_23205_1RB#0_1000~3000_1000~3000



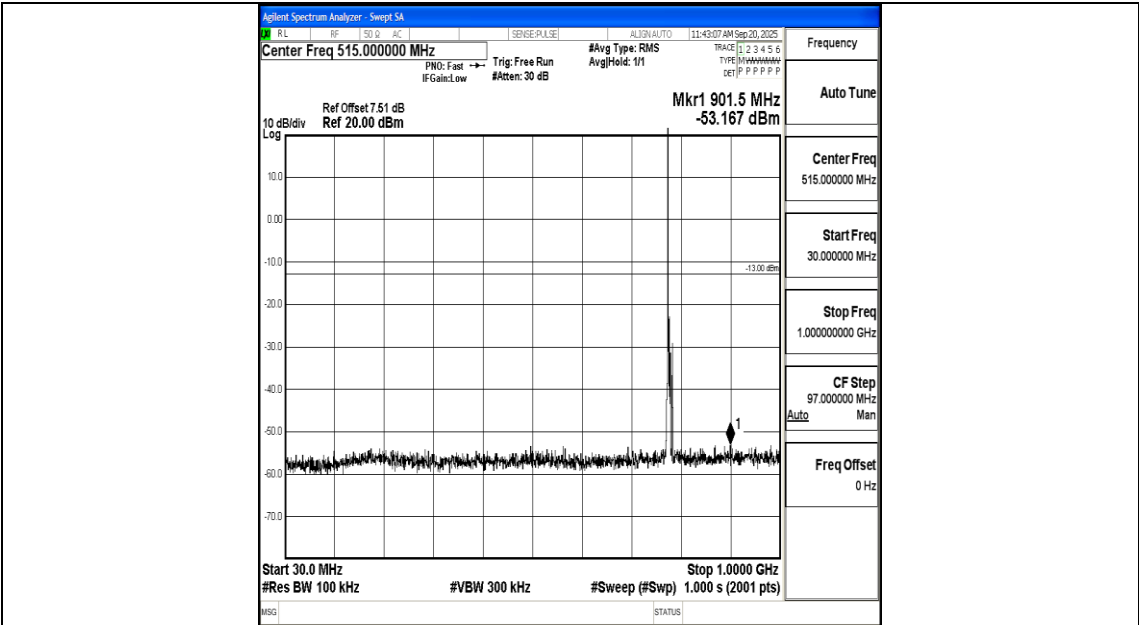
Band13_5MHz_16QAM_23205_1RB#0_3000~10000_3000~10000



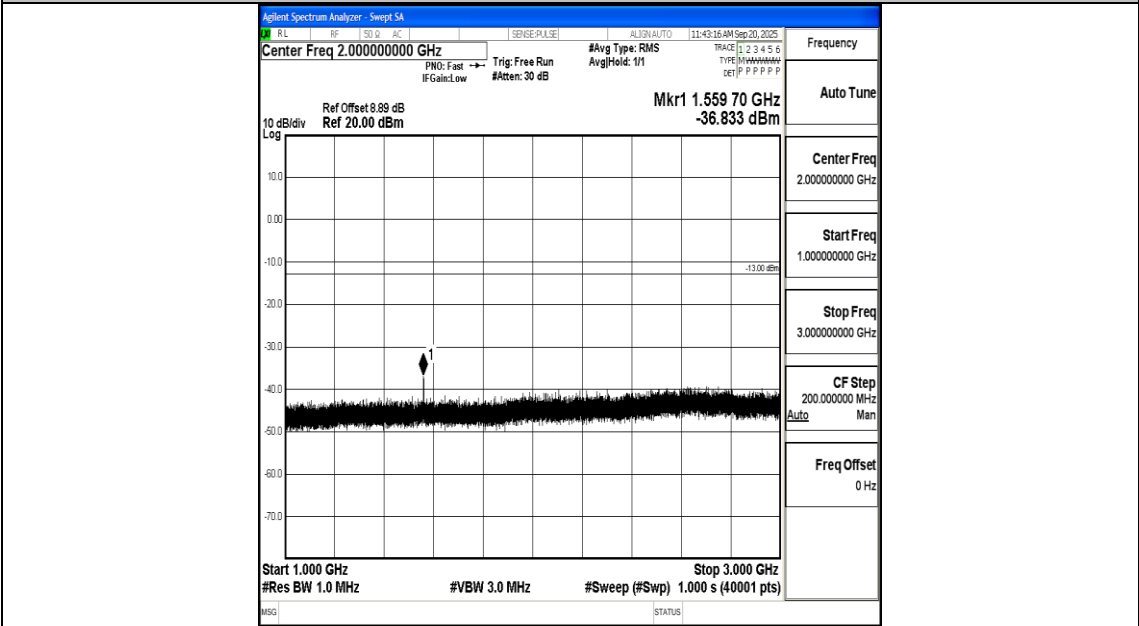
Band13_5MHz_QPSK_23230_1RB#0_0.009~0.15_0.009~0.15



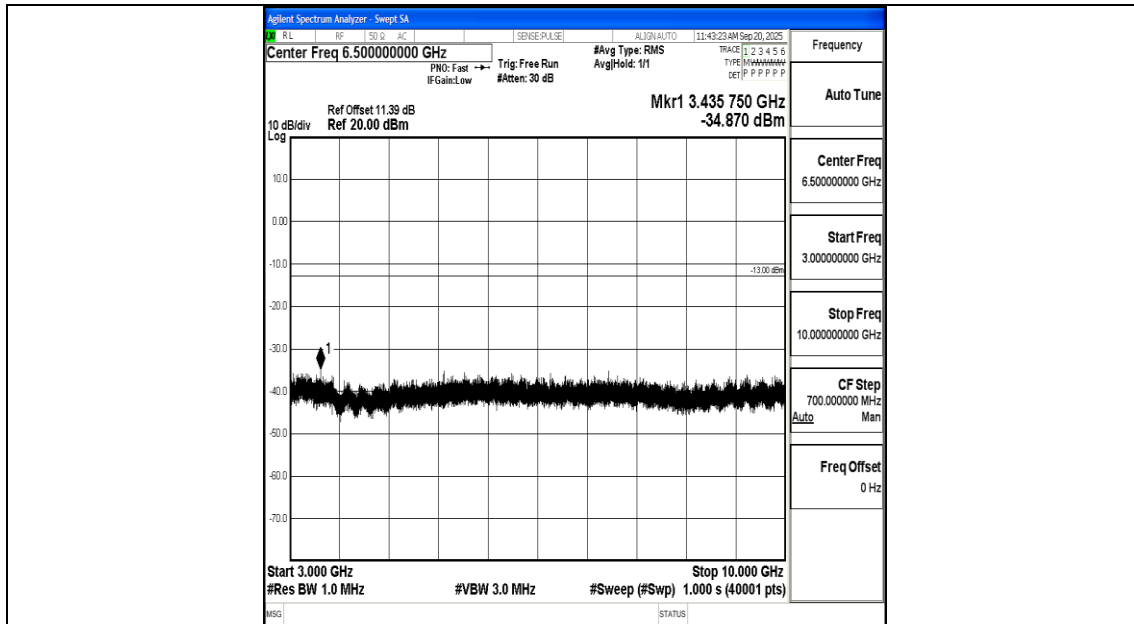
Band13_5MHz_QPSK_23230_1RB#0_0.15~30_0.15~30



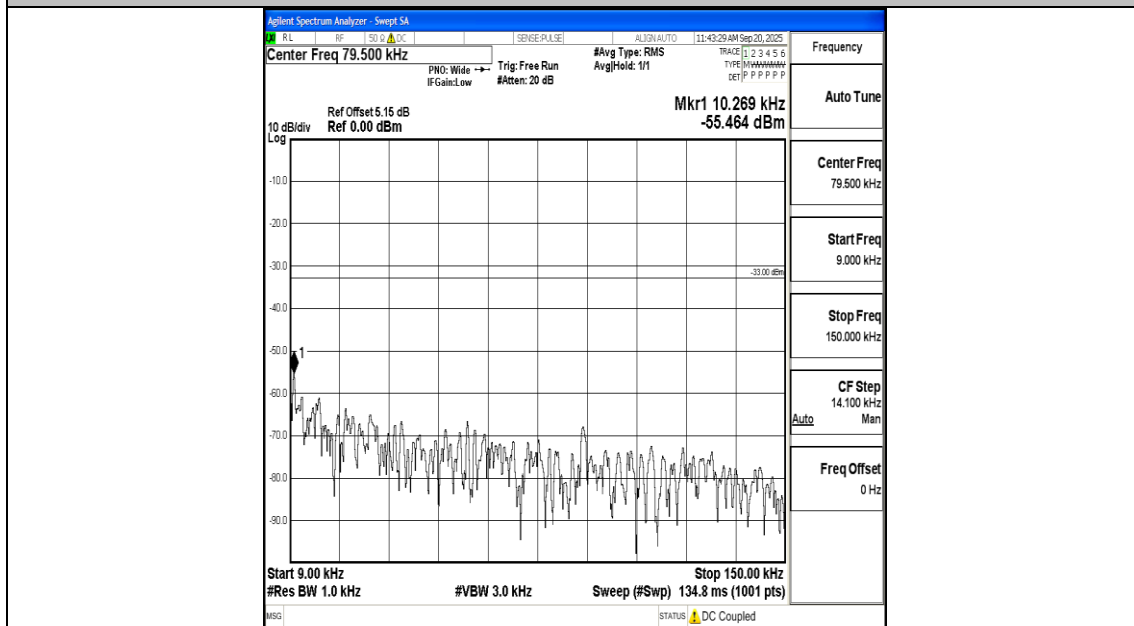
Band13_5MHz_QPSK_23230_1RB#0_30~1000_30~1000



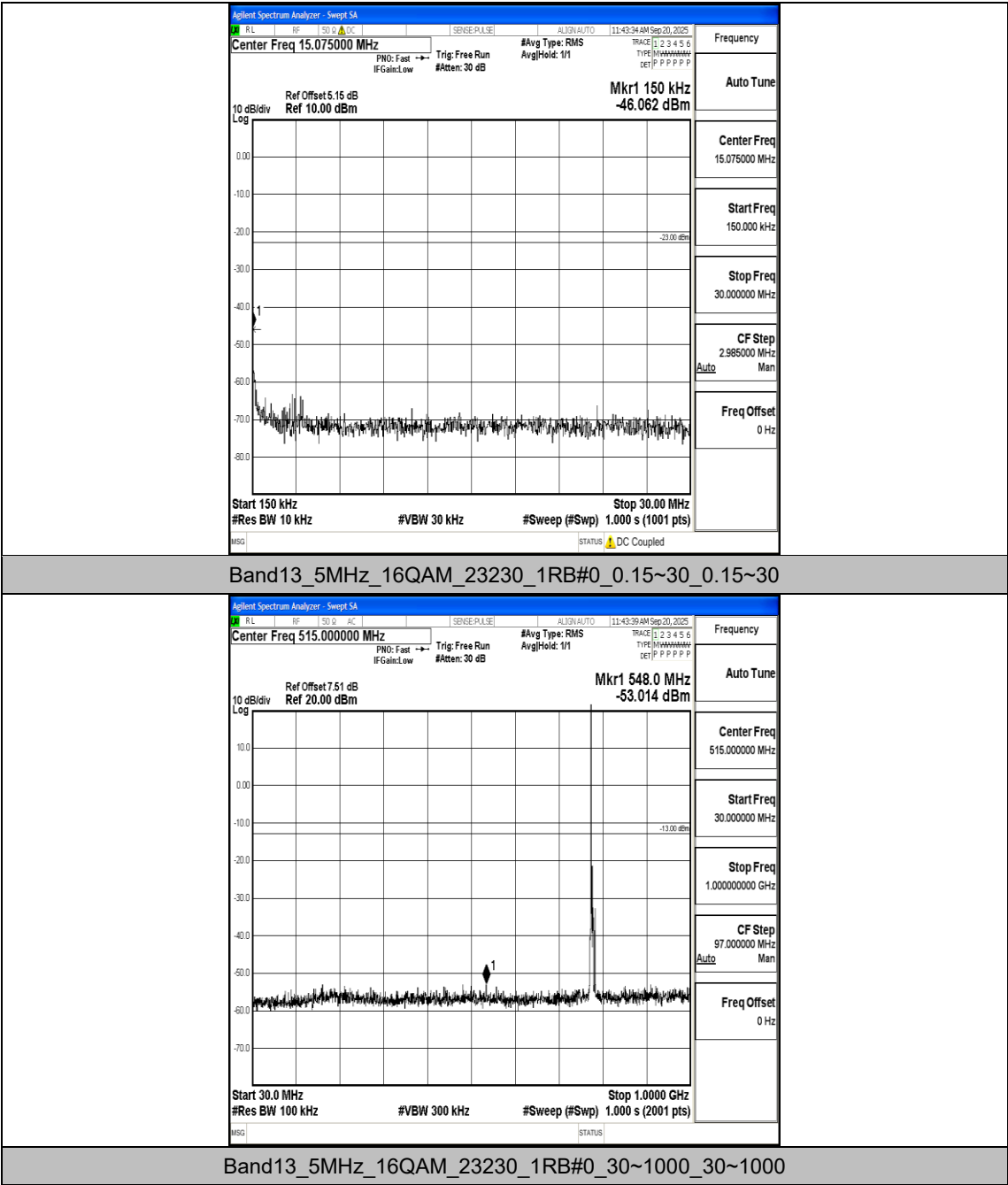
Band13_5MHz_QPSK_23230_1RB#0_1000~3000_1000~3000

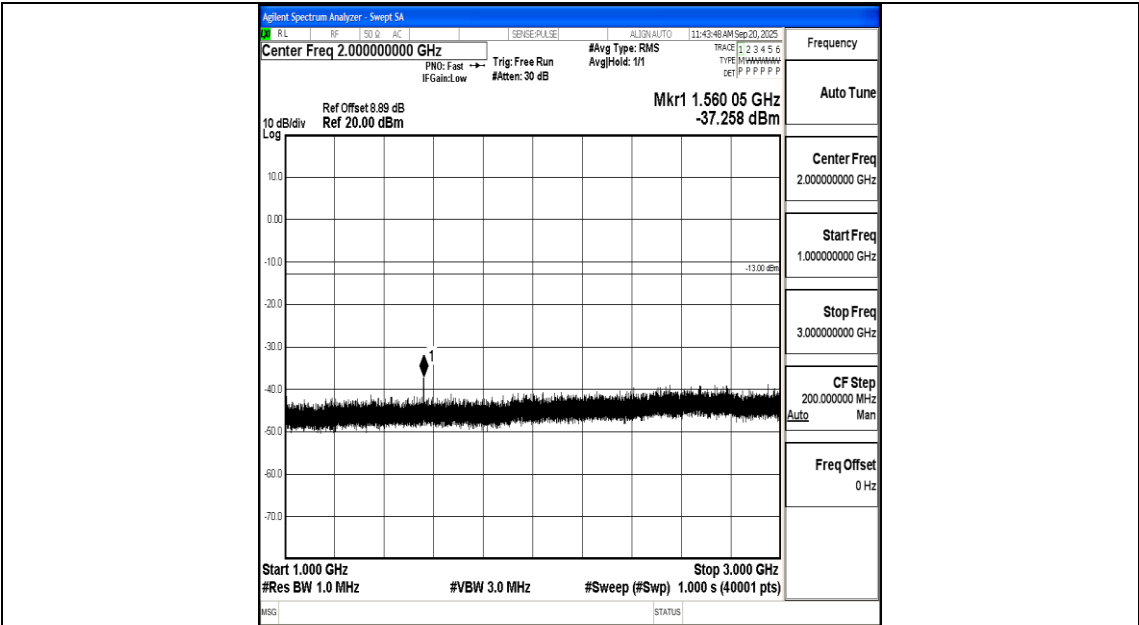


Band13_5MHz_QPSK_23230_1RB#0_3000~10000_3000~10000

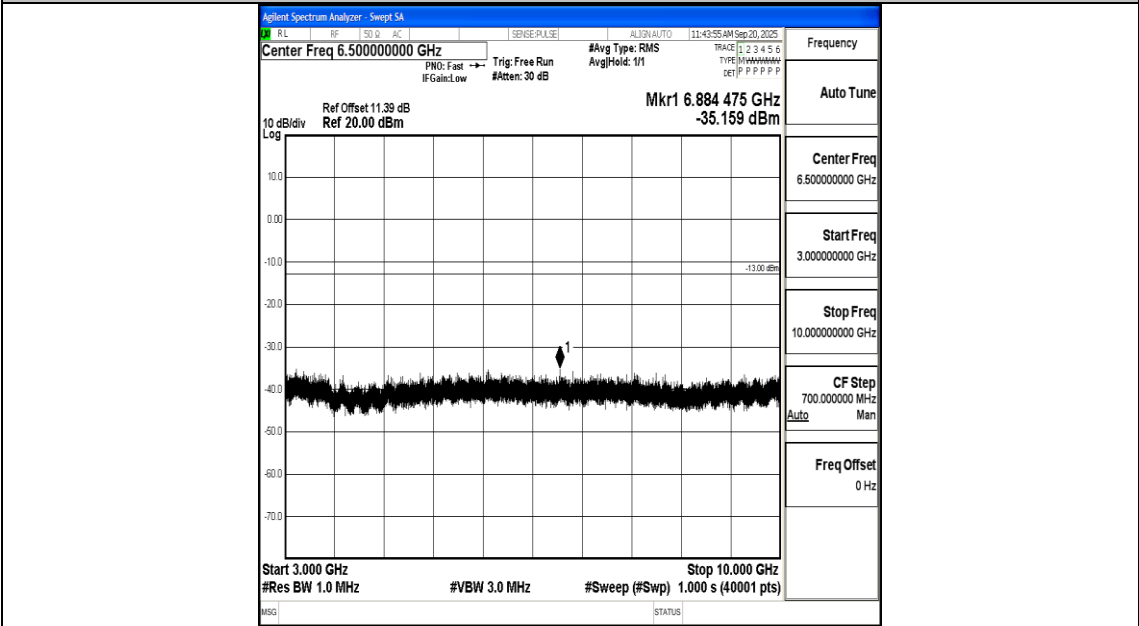


Band13_5MHz_16QAM_23230_1RB#0_0.009~0.15_0.009~0.15

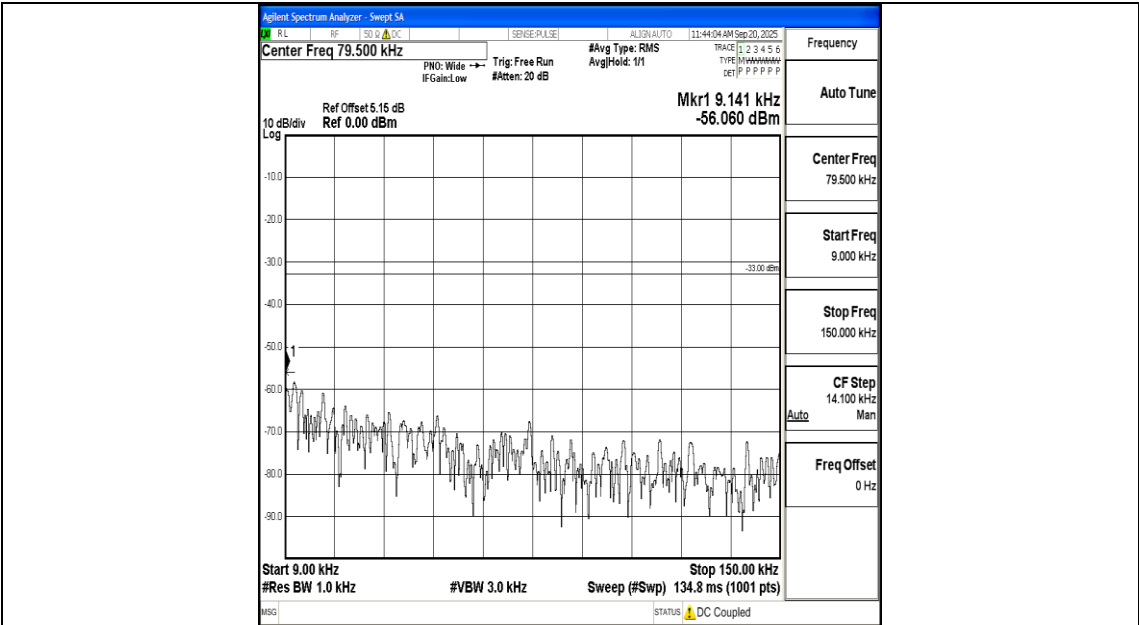




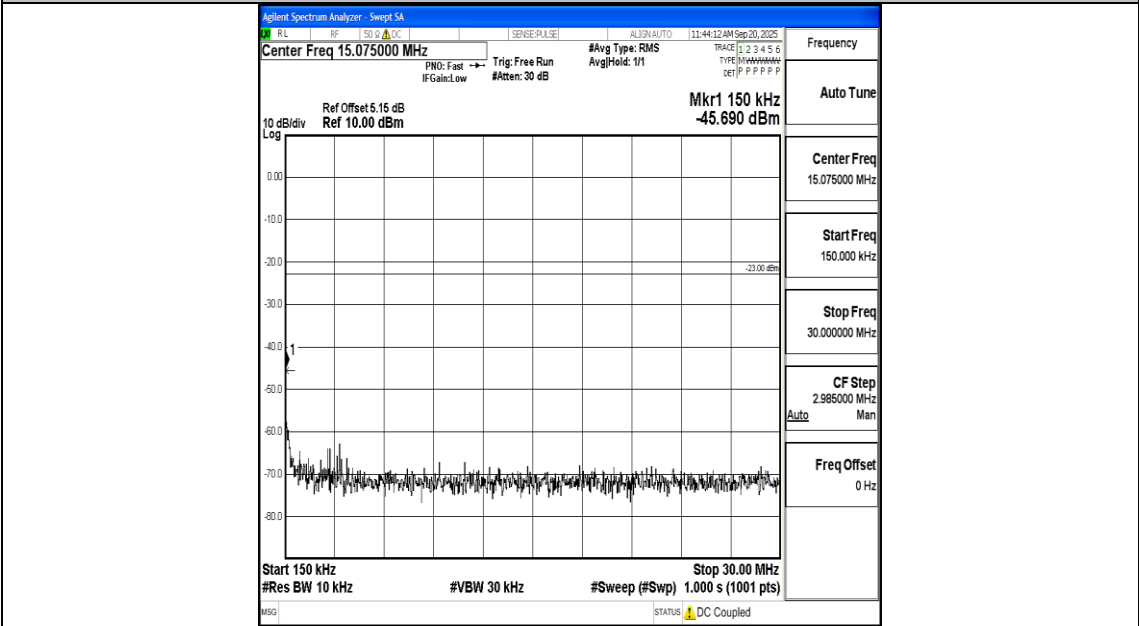
Band13_5MHz_16QAM_23230_1RB#0_1000~3000_1000~3000



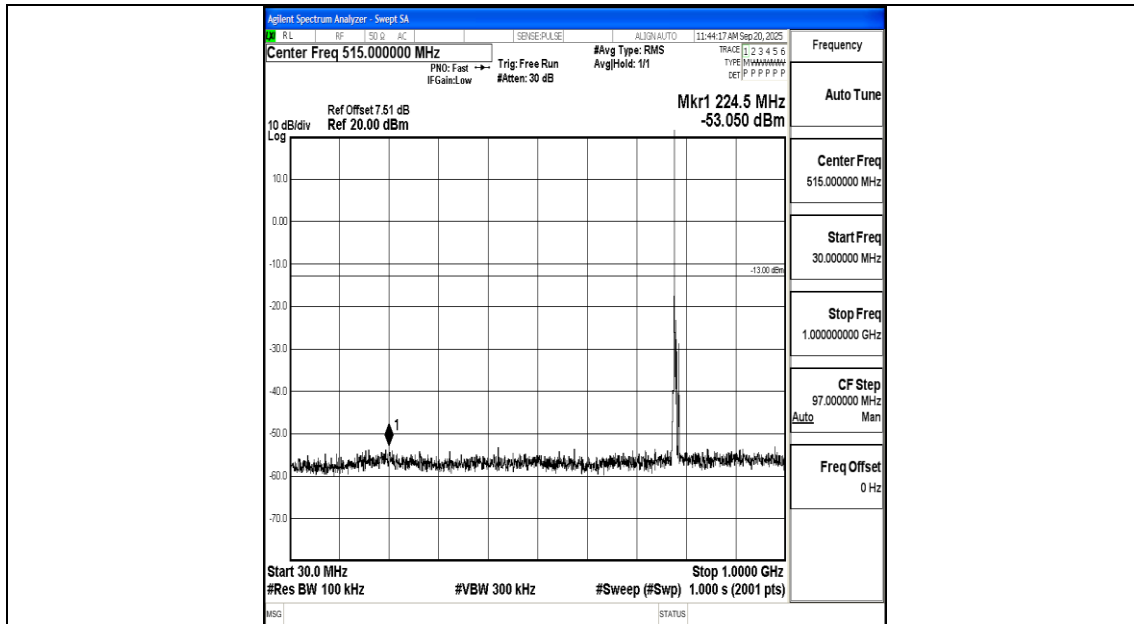
Band13_5MHz_16QAM_23230_1RB#0_3000~10000_3000~10000



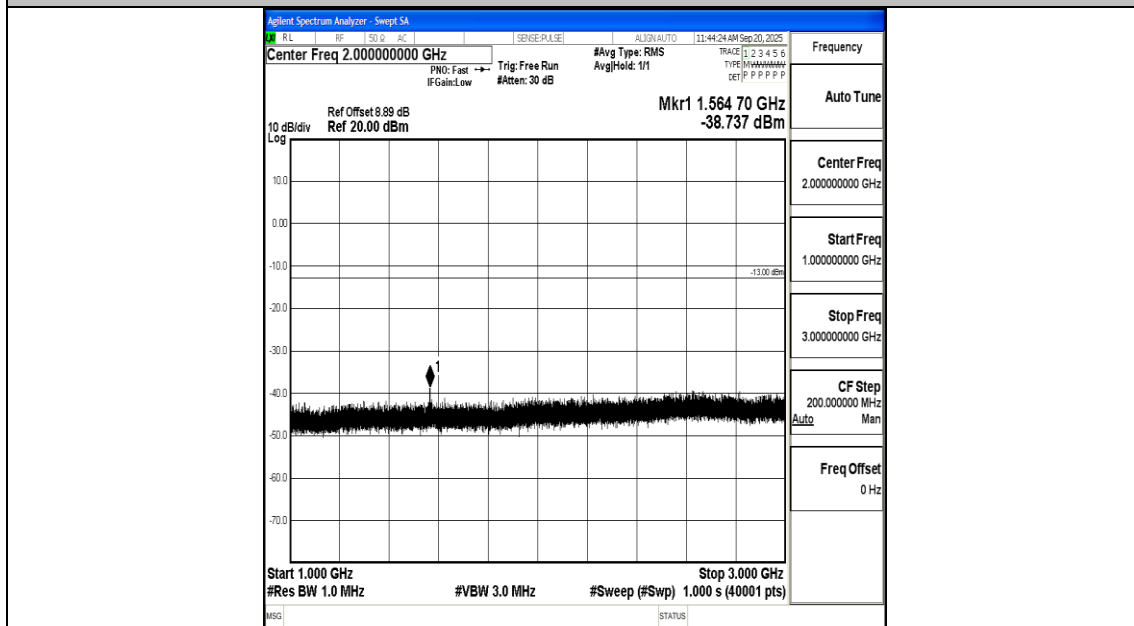
Band13_5MHz_QPSK_23255_1RB#0_0.009~0.15_0.009~0.15



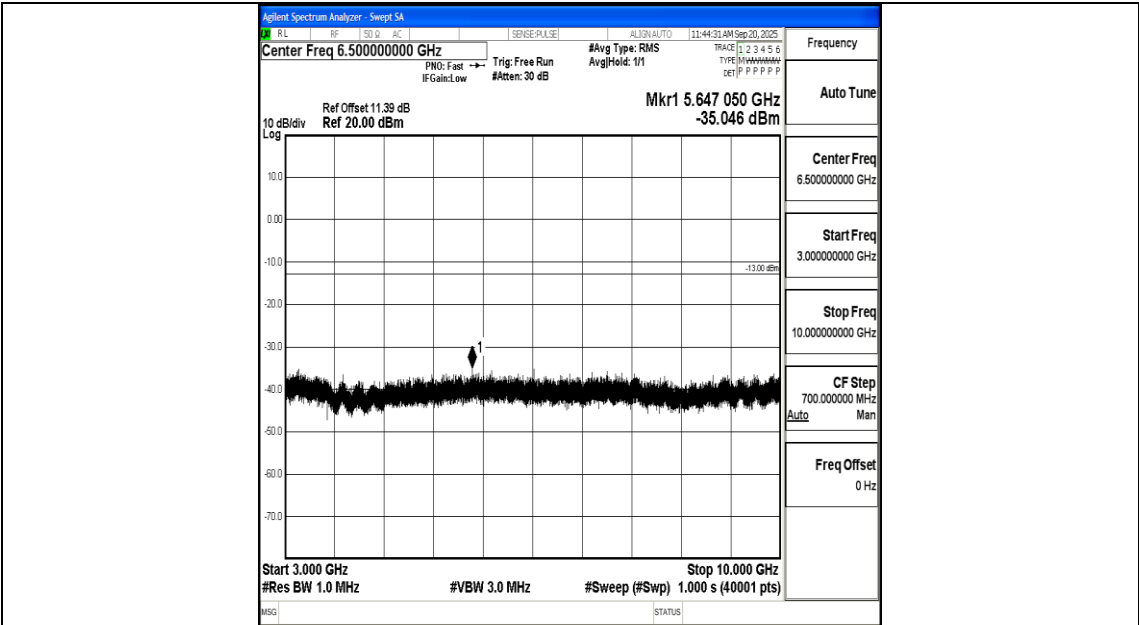
Band13_5MHz_QPSK_23255_1RB#0_0.15~30_0.15~30



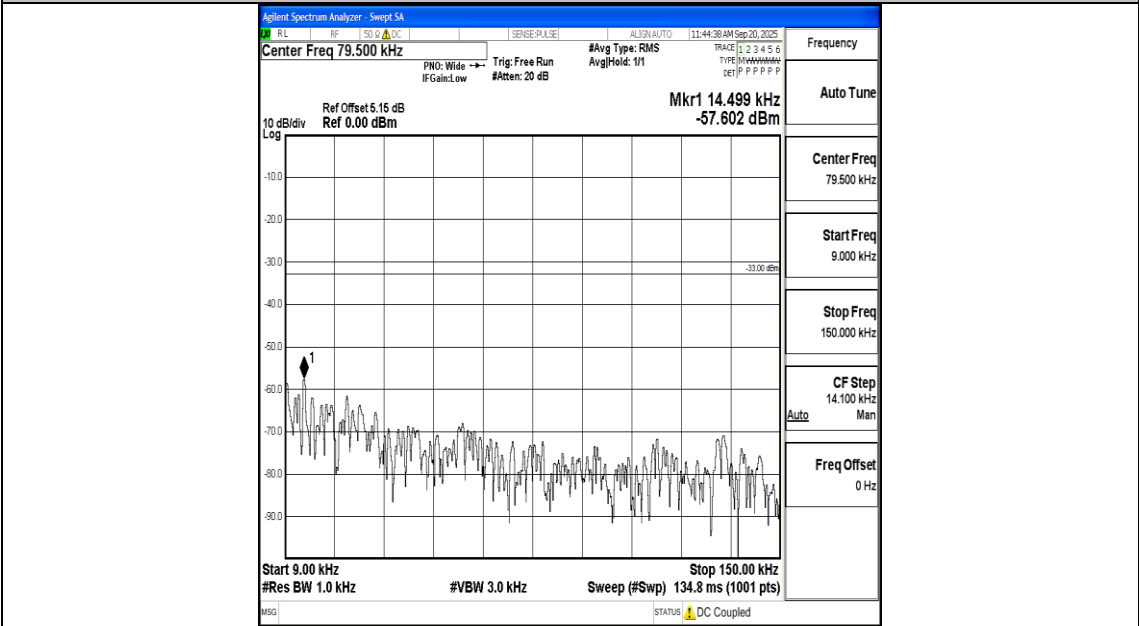
Band13_5MHz_QPSK_23255_1RB#0_30~1000_30~1000



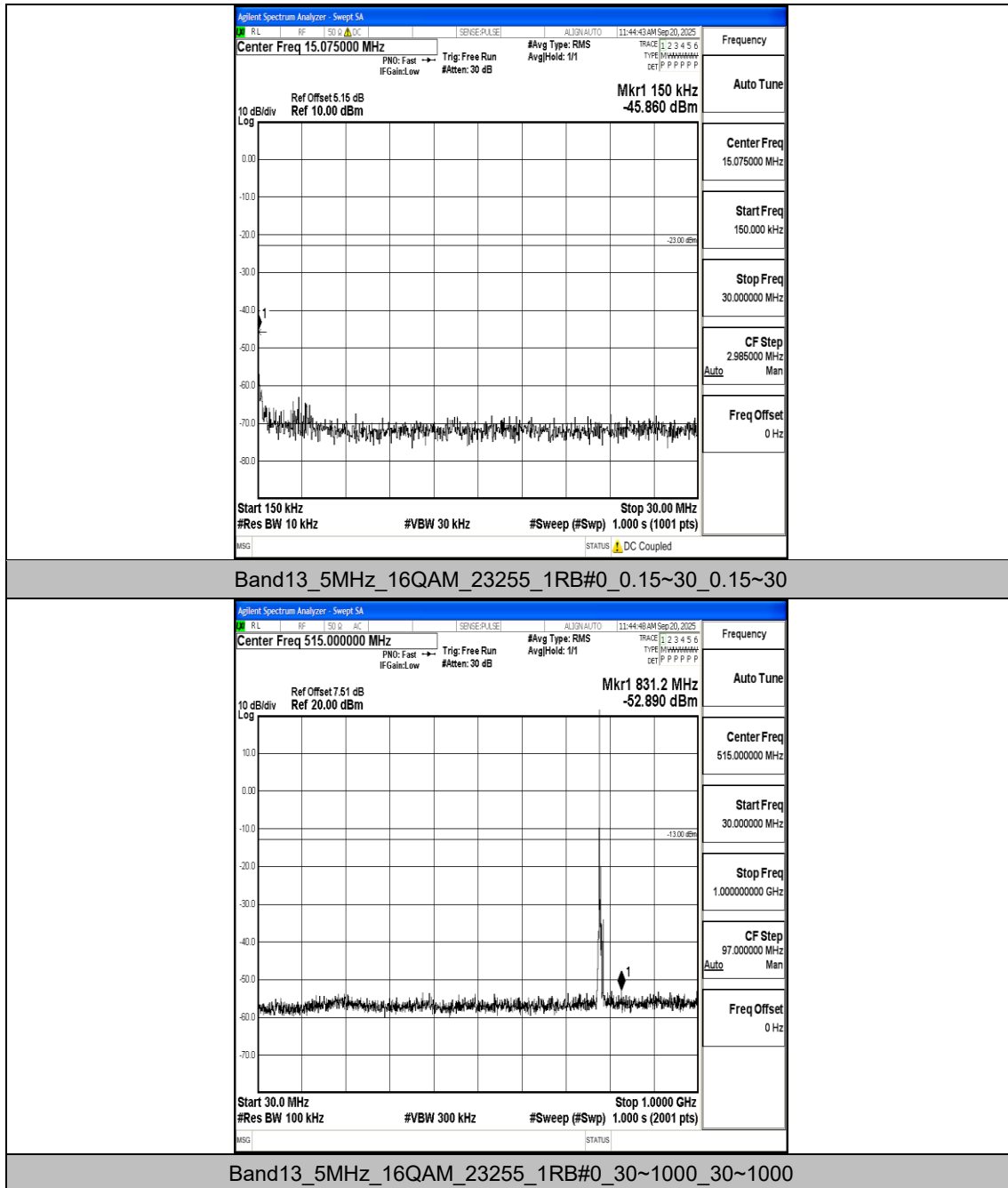
Band13_5MHz_QPSK_23255_1RB#0_1000~3000_1000~3000

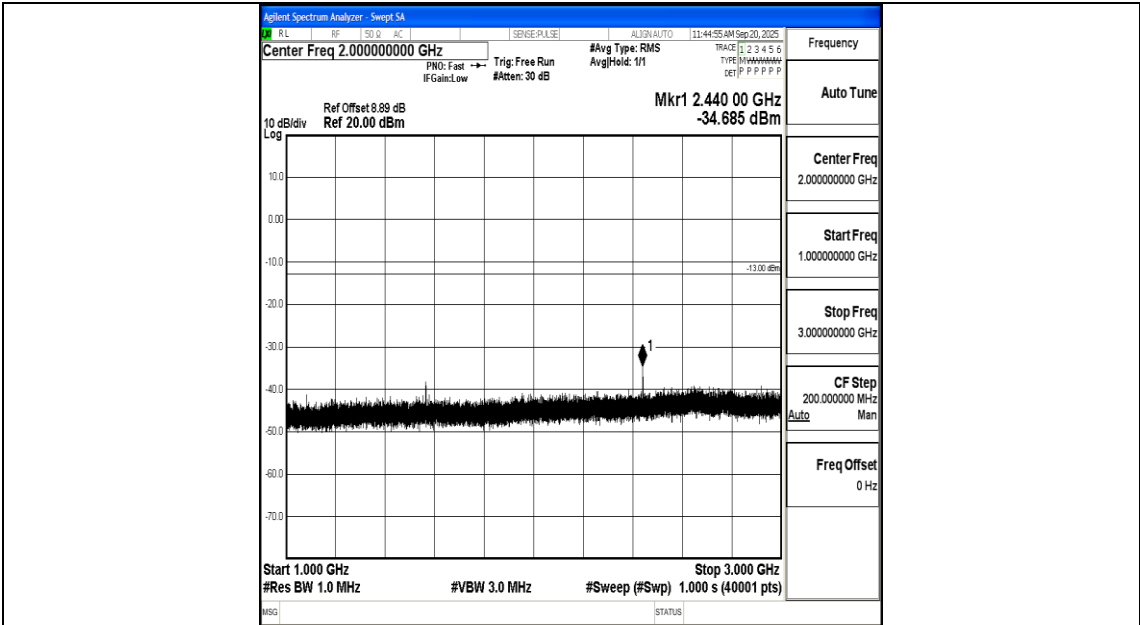


Band13_5MHz_QPSK_23255_1RB#0_3000~10000_3000~10000

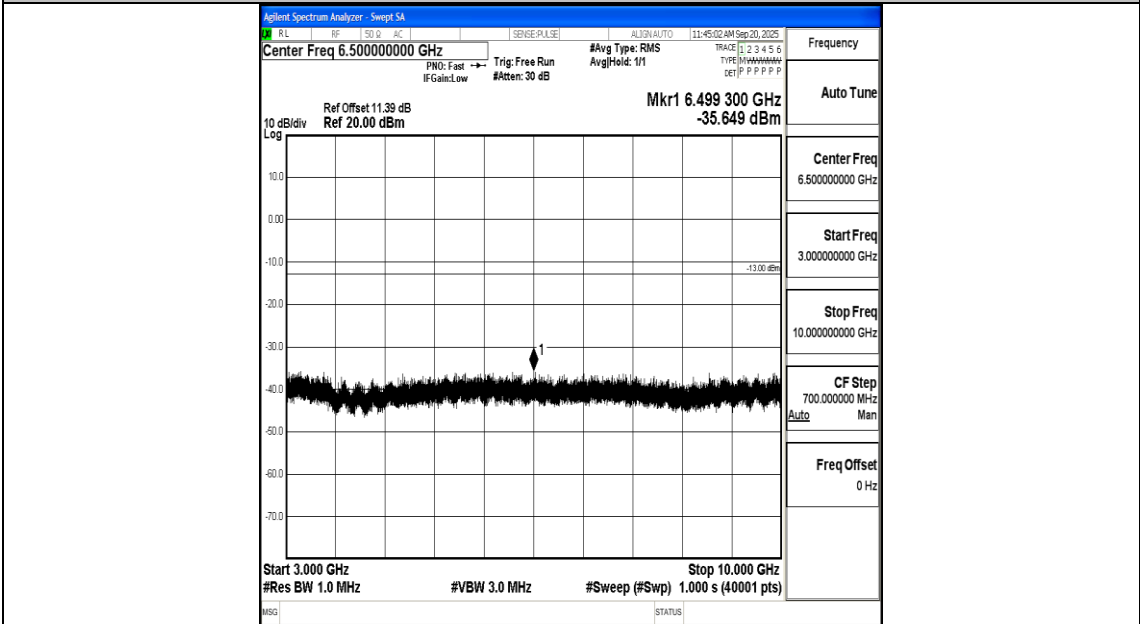


Band13_5MHz_16QAM_23255_1RB#0_0.009~0.15_0.009~0.15

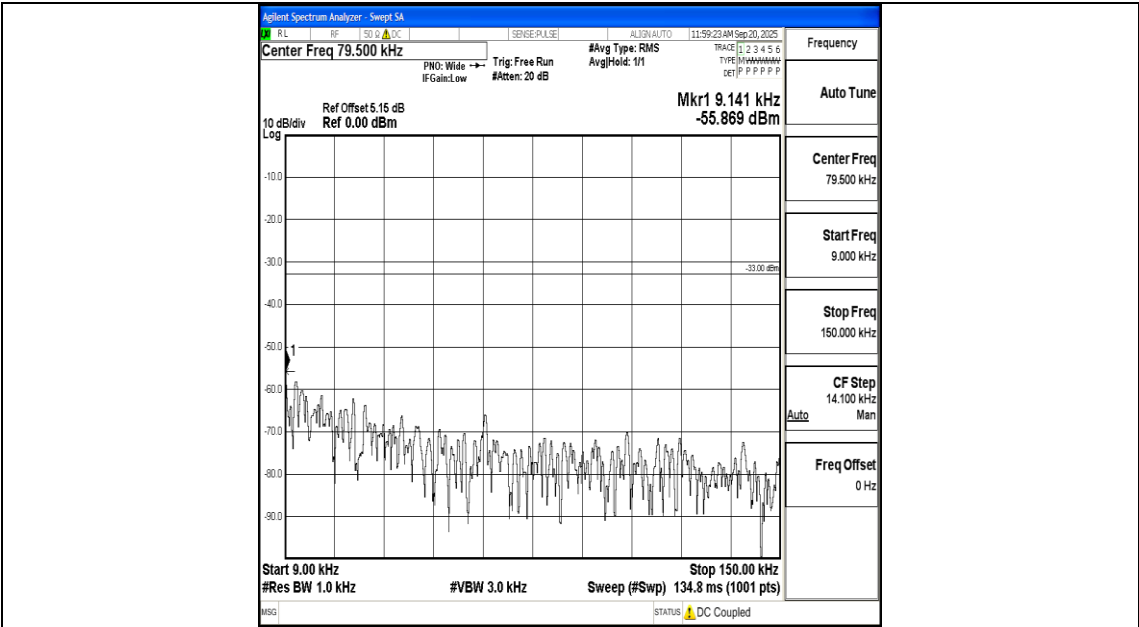




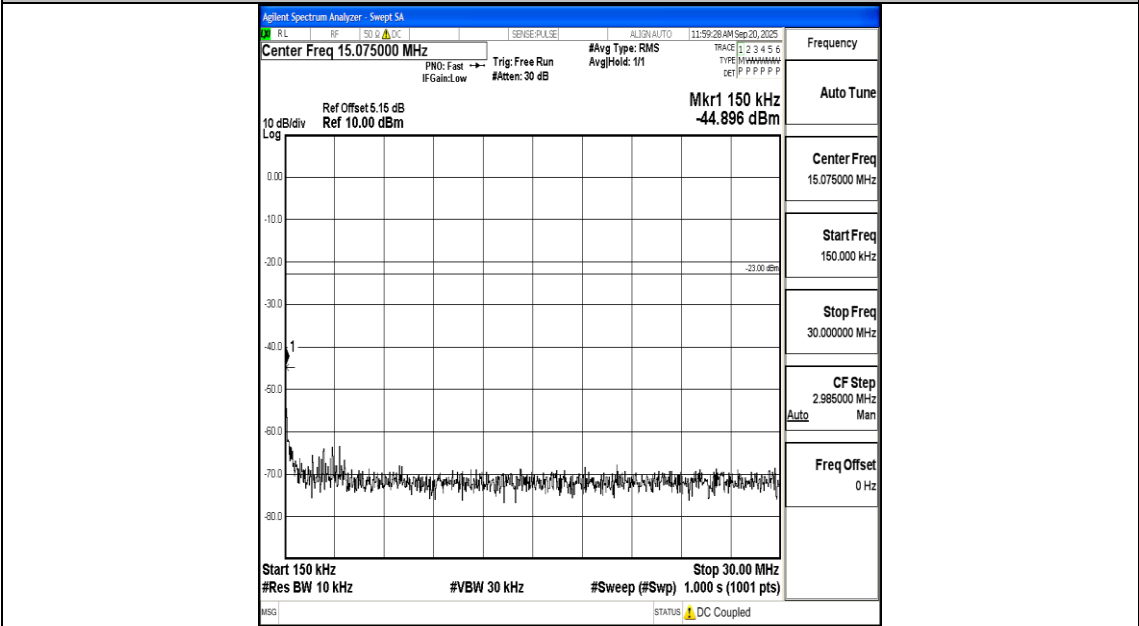
Band13_5MHz_16QAM_23255_1RB#0_1000~3000_1000~3000



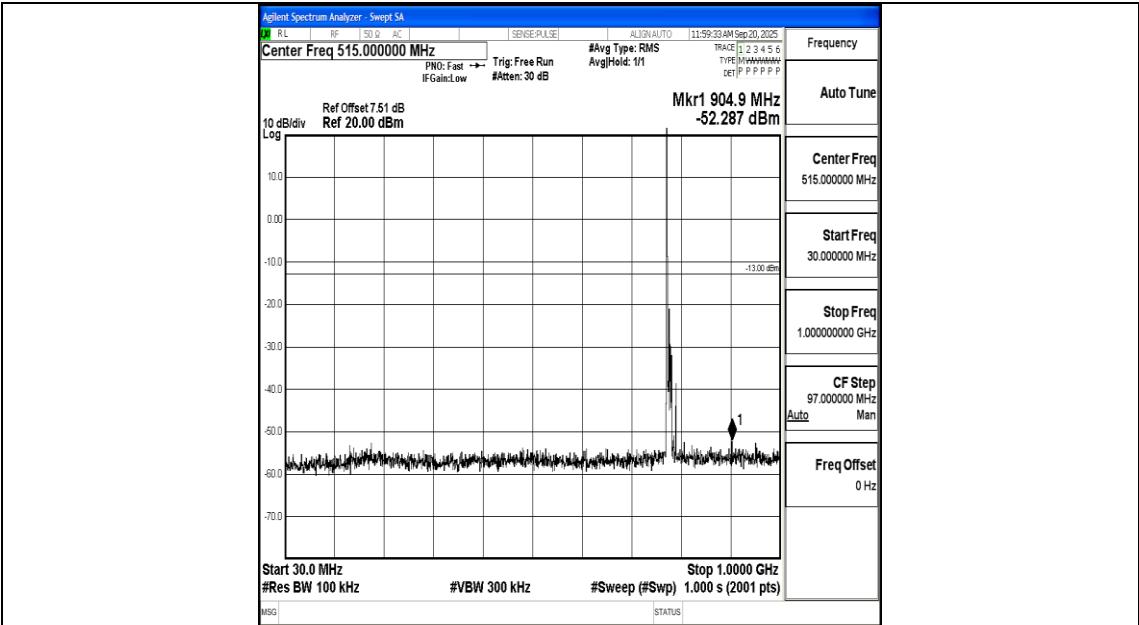
Band13_5MHz_16QAM_23255_1RB#0_3000~10000_3000~10000



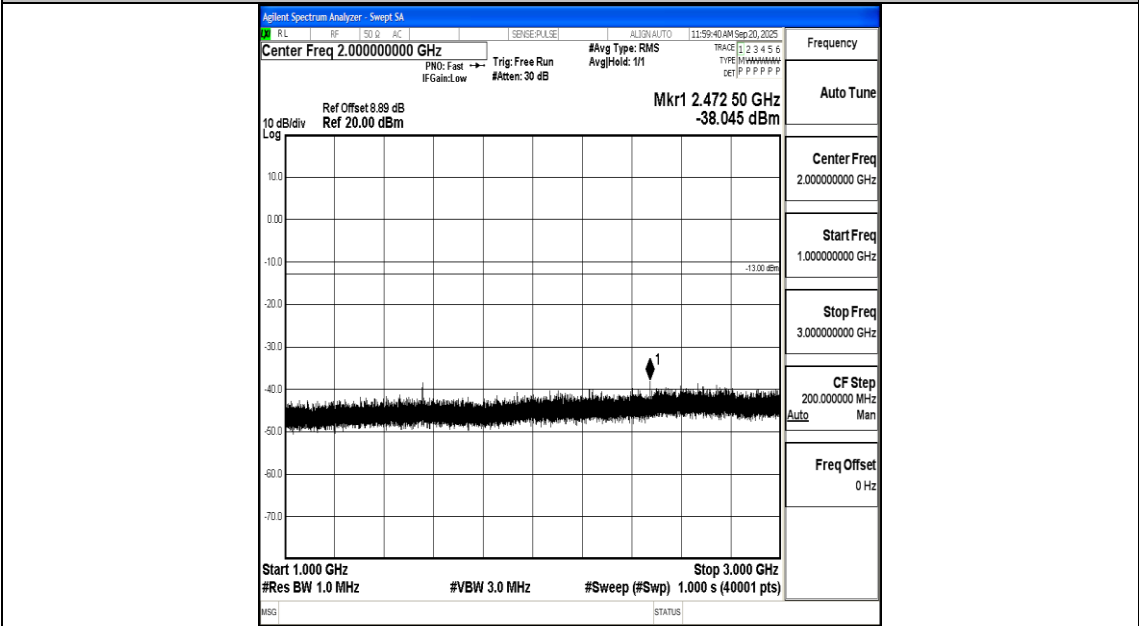
Band13_10MHz_QPSK_23230_1RB#0_0.009~0.15_0.009~0.15



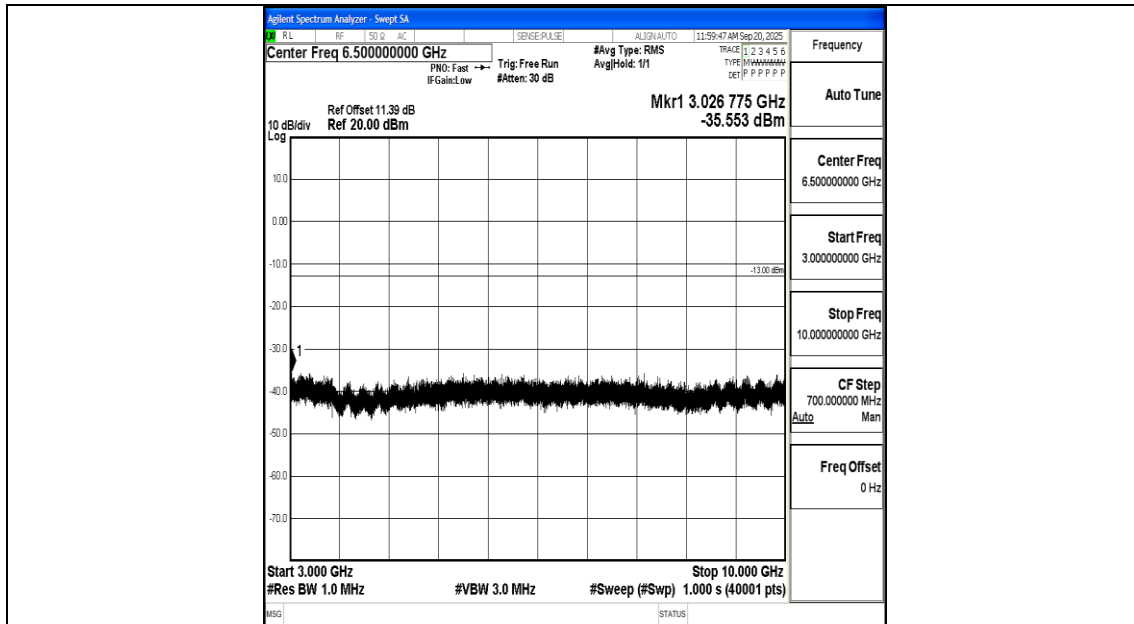
Band13_10MHz_QPSK_23230_1RB#0_0.15~30_0.15~30



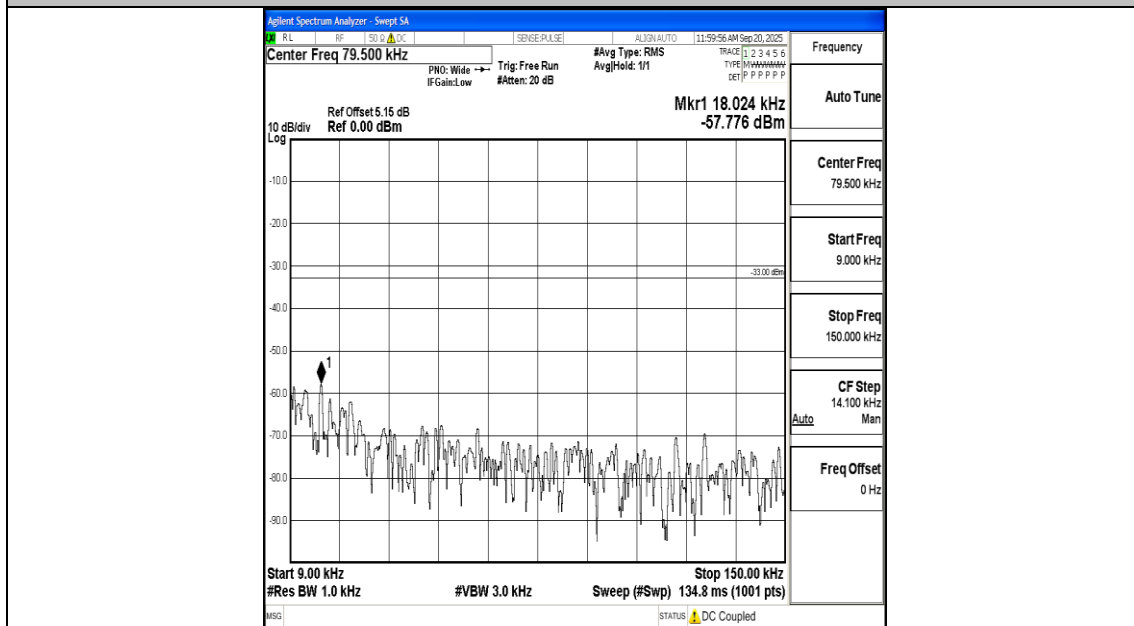
Band13_10MHz_QPSK_23230_1RB#0_30~1000_30~1000



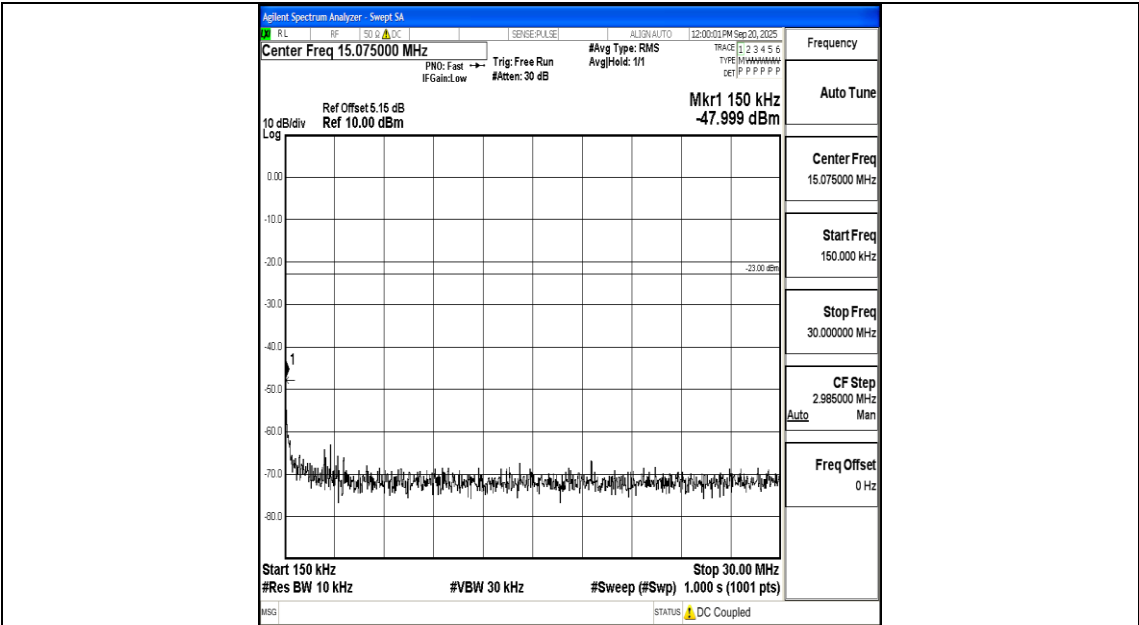
Band13_10MHz_QPSK_23230_1RB#0_1000~3000_1000~3000



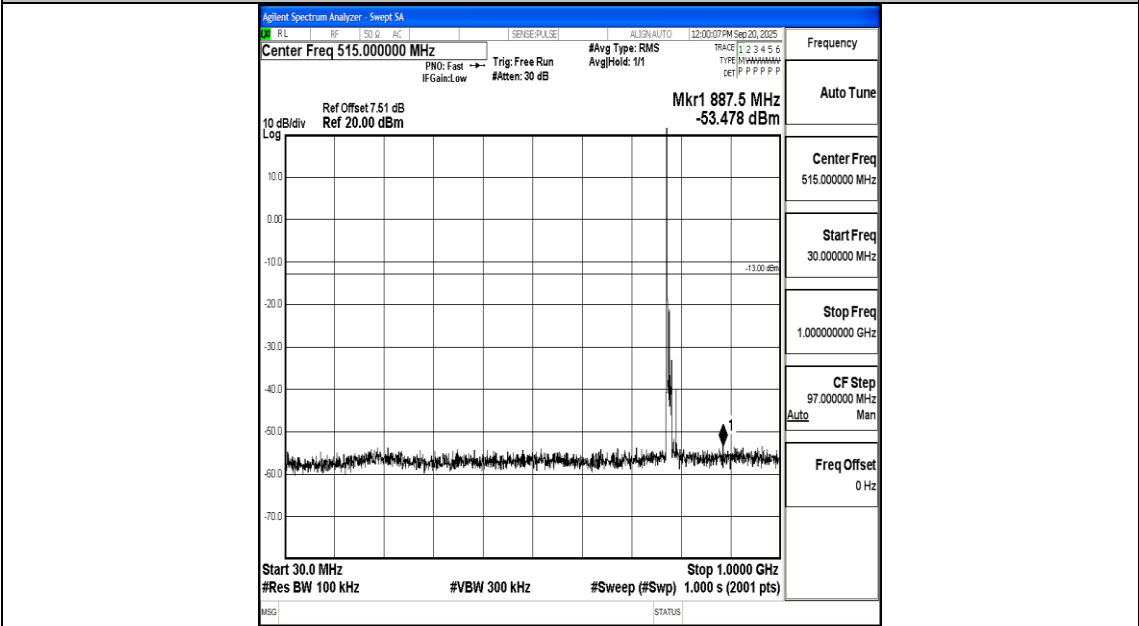
Band13_10MHz_QPSK_23230_1RB#0_3000~10000_3000~10000



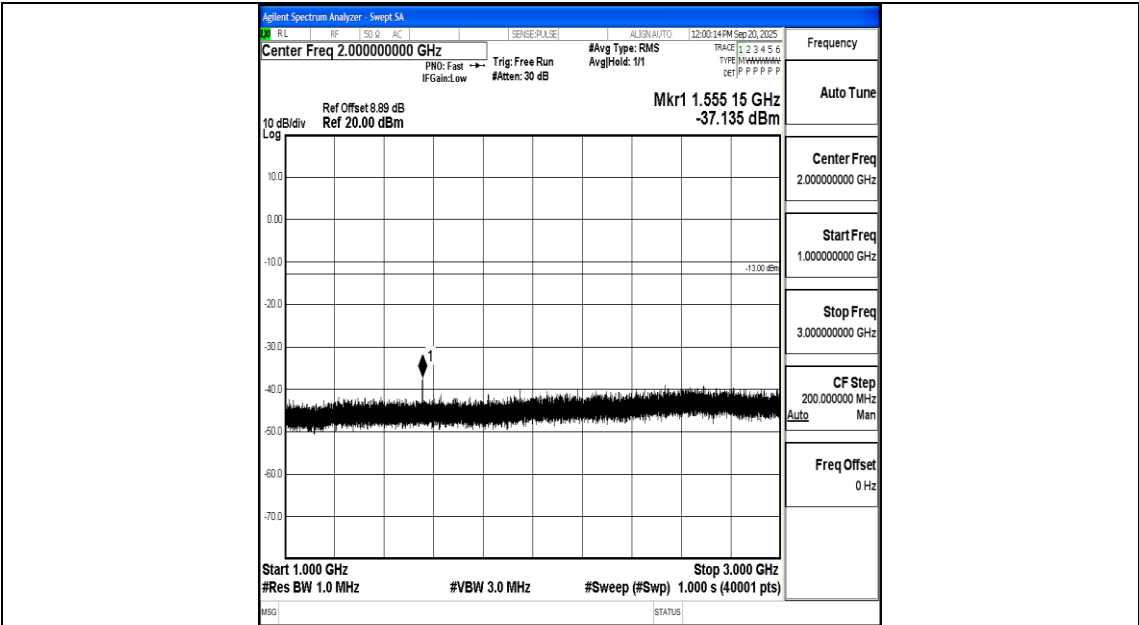
Band13_10MHz_16QAM_23230_1RB#0_0.009~0.15_0.009~0.15



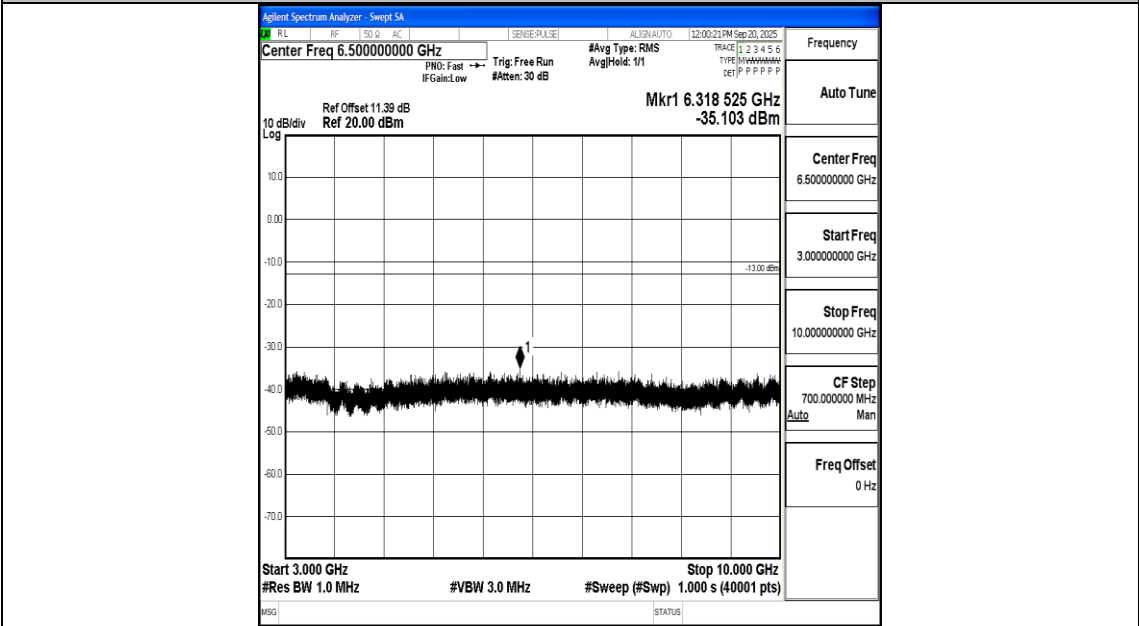
Band13_10MHz_16QAM_23230_1RB#0_0.15~30_0.15~30



Band13_10MHz_16QAM_23230_1RB#0_30~1000_30~1000



Band13_10MHz_16QAM_23230_1RB#0_1000~3000_1000~3000



Band13_10MHz_16QAM_23230_1RB#0_3000~10000_3000~10000