Appendix C: Test Data for E-UTRA Band 5

Product Name: Telematics Module

Test Model: 8400-13001-00

Environmental Conditions

Temperature:	23.3° C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Nick Peng
Supervised by:	Ling Zhu

C.1 Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	22.84	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	22.72	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	22.74	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	22.74	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	22.74	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	22.68	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	21.73	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	22.54	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	22.62	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	22.52	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	22.48	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	22.55	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	22.56	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	21.64	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	22.47	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	22.33	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.12	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	22.53	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	22.69	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	22.39	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	21.67	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	23.28	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.28	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.90	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	21.78	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	21.74	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	21.68	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.63	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	21.56	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	21.65	PASS

Band5	1.4MHz	16QAM	20525	1RB#5	21.67	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	22.09	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	22.12	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	22.09	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.21	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.36	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.14	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	21.82	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	22.07	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	22.03	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	21.84	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.23	PASS
Band5	3MHz	QPSK	20415	1RB#0	22.64	PASS
Band5	3MHz	QPSK	20415	1RB#8	22.69	PASS
Band5	3MHz	QPSK	20415	1RB#14	22.68	PASS
Band5	3MHz	QPSK	20415	8RB#0	21.82	PASS
Band5	3MHz	QPSK	20415	8RB#4	21.79	PASS
Band5	3MHz	QPSK	20415	8RB#7	21.84	PASS
Band5	3MHz	QPSK	20415	15RB#0	21.76	PASS
Band5	3MHz	QPSK	20525	1RB#0	22.55	PASS
Band5	3MHz	QPSK	20525	1RB#8	22.62	PASS
Band5	3MHz	QPSK	20525	1RB#14	22.56	PASS
Band5	3MHz	QPSK	20525	8RB#0	21.51	PASS
Band5	3MHz	QPSK	20525	8RB#4	21.75	PASS
Band5	3MHz	QPSK	20525	8RB#7	21.58	PASS
Band5	3MHz	QPSK	20525	15RB#0	21.71	PASS
Band5	3MHz	QPSK	20635	1RB#0	22.59	PASS
Band5	3MHz	QPSK	20635	1RB#8	22.54	PASS
Band5	3MHz	QPSK	20635	1RB#14	22.06	PASS
Band5	3MHz	QPSK	20635	8RB#0	21.80	PASS
Band5	3MHz	QPSK	20635	8RB#4	21.81	PASS
Band5	3MHz	QPSK	20635	8RB#7	21.74	PASS
Band5	3MHz	QPSK	20635	15RB#0	21.66	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.31	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.30	PASS

Band5	3MHz	16QAM	20415	1RB#14	22.34	PASS
Band5	3MHz	16QAM	20415	8RB#0	21.45	PASS
Band5	3MHz	16QAM	20415	8RB#4	21.45	PASS
Band5	3MHz	16QAM	20415	8RB#7	21.41	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.23	PASS
Band5	3MHz	16QAM	20525	1RB#0	21.58	PASS
Band5	3MHz	16QAM	20525	1RB#8	21.53	PASS
Band5	3MHz	16QAM	20525	1RB#14	21.57	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.38	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.31	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.35	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.04	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.70	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.57	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.07	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.35	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.33	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.37	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.32	PASS
Band5	5MHz	QPSK	20425	1RB#0	22.72	PASS
Band5	5MHz	QPSK	20425	1RB#12	22.76	PASS
Band5	5MHz	QPSK	20425	1RB#24	22.65	PASS
Band5	5MHz	QPSK	20425	12RB#0	21.77	PASS
Band5	5MHz	QPSK	20425	12RB#6	21.77	PASS
Band5	5MHz	QPSK	20425	12RB#13	21.69	PASS
Band5	5MHz	QPSK	20425	25RB#0	21.72	PASS
Band5	5MHz	QPSK	20525	1RB#0	22.54	PASS
Band5	5MHz	QPSK	20525	1RB#12	22.56	PASS
Band5	5MHz	QPSK	20525	1RB#24	22.33	PASS
Band5	5MHz	QPSK	20525	12RB#0	21.68	PASS
Band5	5MHz	QPSK	20525	12RB#6	21.69	PASS
Band5	5MHz	QPSK	20525	12RB#13	21.66	PASS
Band5	5MHz	QPSK	20525	25RB#0	21.76	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.24	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.09	PASS

Band5	5MHz	QPSK	20625	1RB#24	22.64	PASS
Band5	5MHz	QPSK	20625	12RB#0	21.81	PASS
Band5	5MHz	QPSK	20625	12RB#6	21.78	PASS
Band5	5MHz	QPSK	20625	12RB#13	21.79	PASS
Band5	5MHz	QPSK	20625	25RB#0	21.82	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.61	PASS
Band5	5MHz	16QAM	20425	1RB#12	21.57	PASS
Band5	5MHz	16QAM	20425	1RB#24	21.79	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.26	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.32	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.19	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.24	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.49	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.56	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.60	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.30	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.31	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.24	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.20	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.27	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.27	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.00	PASS
Band5	5MHz	16QAM	20625	12RB#0	21.30	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.29	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.23	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.33	PASS
Band5	10MHz	QPSK	20450	1RB#0	22.55	PASS
Band5	10MHz	QPSK	20450	1RB#24	22.48	PASS
Band5	10MHz	QPSK	20450	1RB#49	22.46	PASS
Band5	10MHz	QPSK	20450	25RB#0	21.68	PASS
Band5	10MHz	QPSK	20450	25RB#12	21.70	PASS
Band5	10MHz	QPSK	20450	25RB#25	21.52	PASS
Band5	10MHz	QPSK	20450	50RB#0	21.61	PASS
Band5	10MHz	QPSK	20525	1RB#0	22.51	PASS
Band5	10MHz	QPSK	20525	1RB#24	22.65	PASS

Band5	10MHz	QPSK	20525	1RB#49	22.50	PASS
Band5	10MHz	QPSK	20525	25RB#0	21.71	PASS
Band5	10MHz	QPSK	20525	25RB#12	21.66	PASS
Band5	10MHz	QPSK	20525	25RB#25	21.76	PASS
Band5	10MHz	QPSK	20525	50RB#0	21.74	PASS
Band5	10MHz	QPSK	20600	1RB#0	22.58	PASS
Band5	10MHz	QPSK	20600	1RB#24	22.58	PASS
Band5	10MHz	QPSK	20600	1RB#49	22.33	PASS
Band5	10MHz	QPSK	20600	25RB#0	21.85	PASS
Band5	10MHz	QPSK	20600	25RB#12	21.70	PASS
Band5	10MHz	QPSK	20600	25RB#25	21.68	PASS
Band5	10MHz	QPSK	20600	50RB#0	21.64	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.38	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.39	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.26	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.16	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.23	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.07	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.18	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.23	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.42	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.40	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.23	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.31	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.32	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.13	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.71	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.78	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.05	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.34	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.35	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.42	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.34	PASS

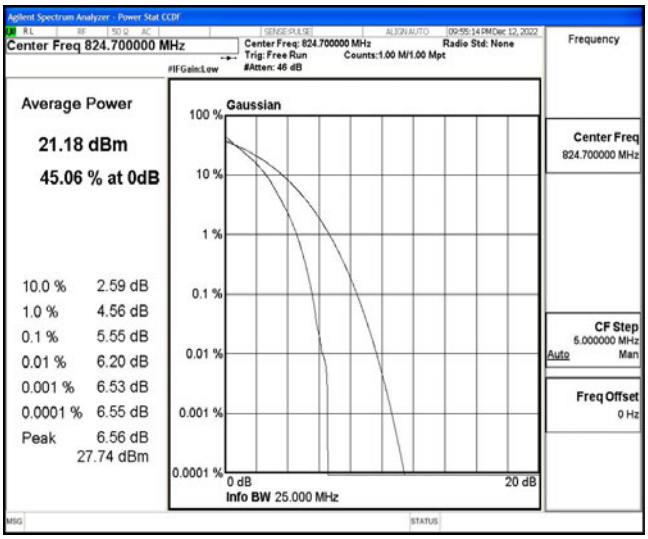
C.2 Peak-to-Average Ratio(CCDF)

Test Result

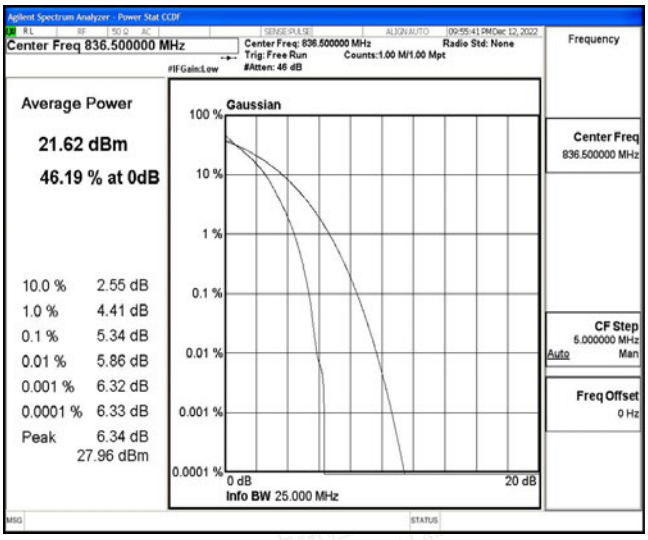
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	5.55	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.34	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.59	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.04	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.96	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.12	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.62	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.38	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.82	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.25	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	5.95	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.41	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.57	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.31	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.85	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.13	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	5.87	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.40	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.41	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.30	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.10	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.03	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.86	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.68	13	PASS

Test Graphs

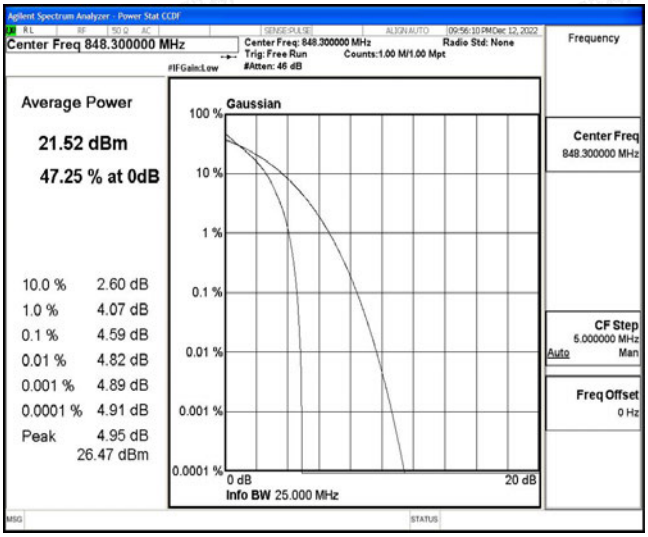
Band5-1.4MHz-QPSK-20407-6RB#0



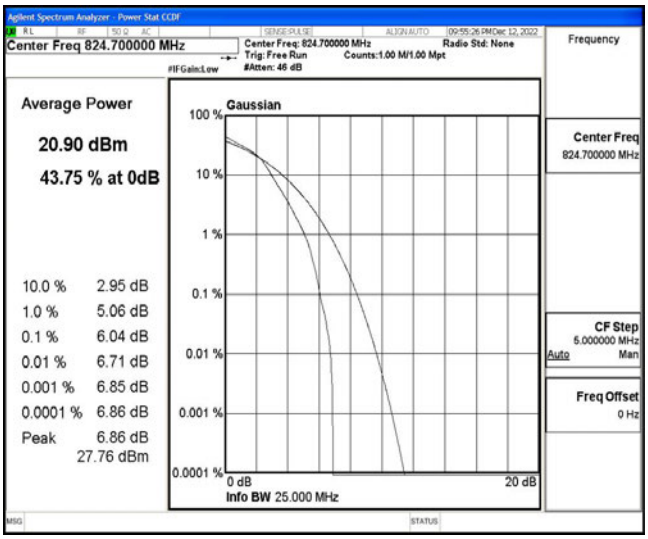
Band5-1.4MHz-QPSK-20525-6RB#0



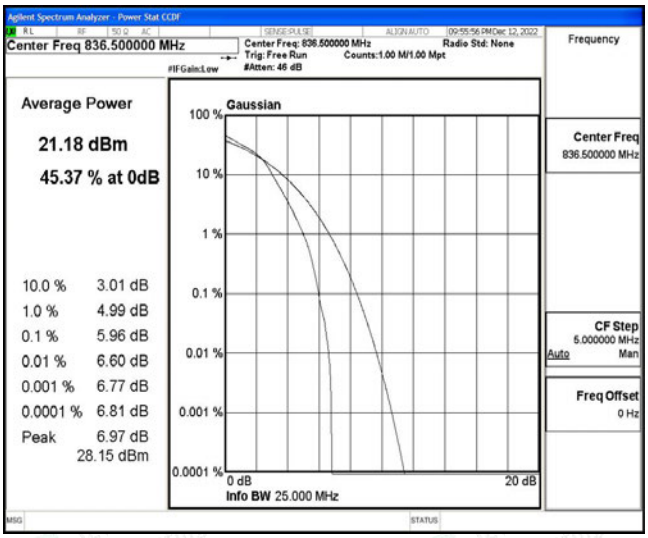
Band5-1.4MHz-QPSK-20643-6RB#0



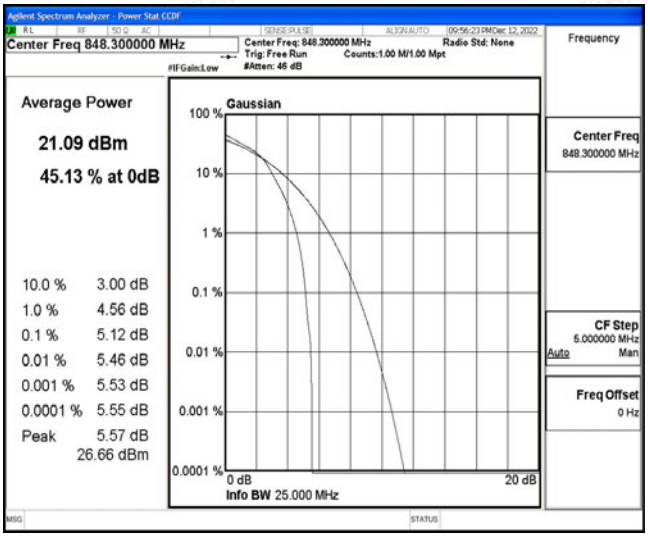
Band5-1.4MHz-16QAM-20407-6RB#0



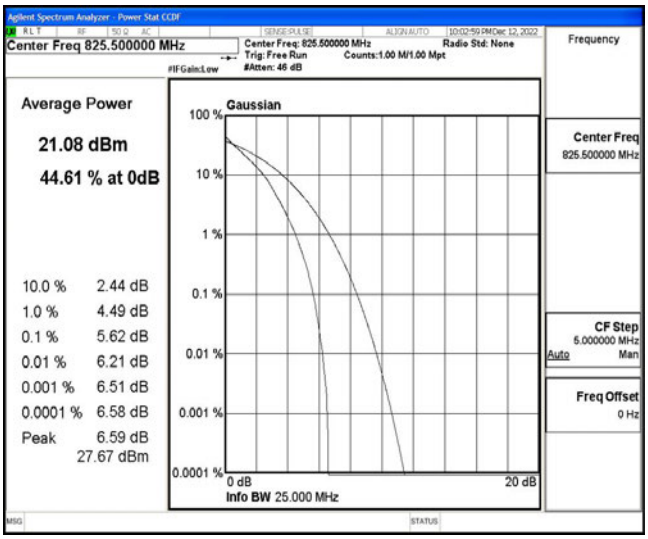
Band5-1.4MHz-16QAM-20525-6RB#0



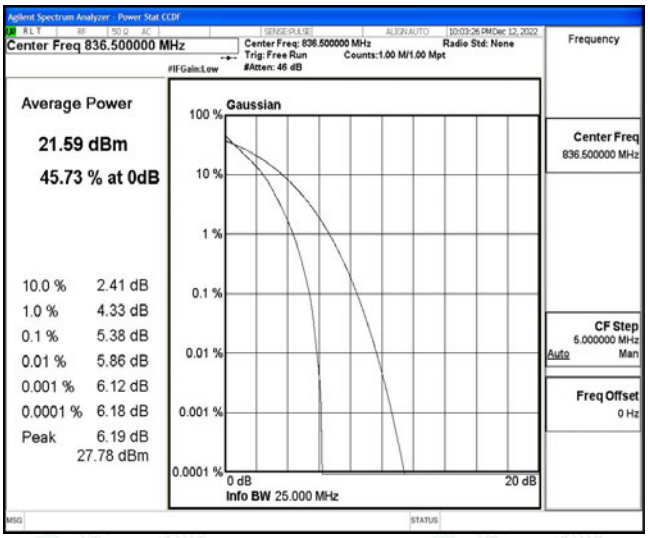
Band5-1.4MHz-16QAM-20643-6RB#0



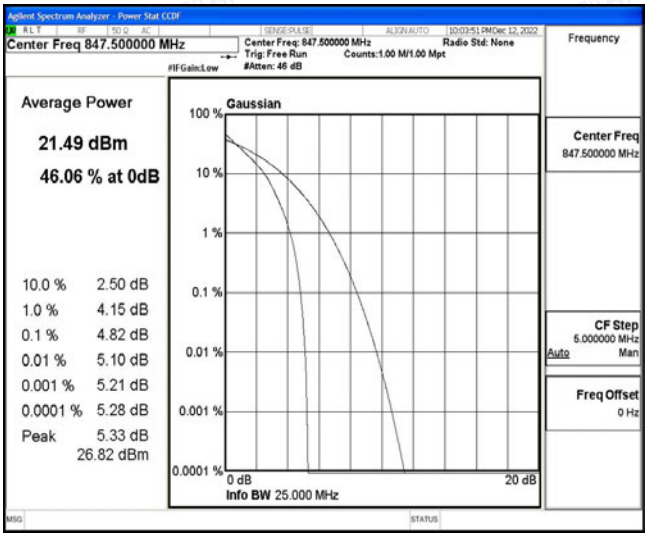
Band5-3MHz-QPSK-20415-15RB#0



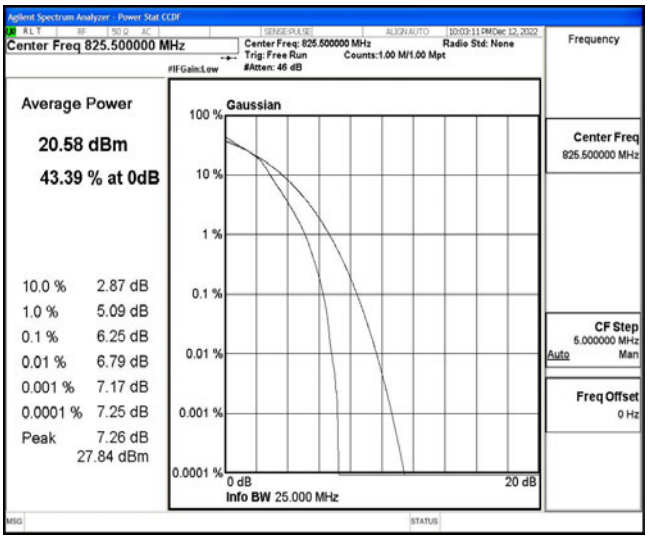
Band5-3MHz-QPSK-20525-15RB#0



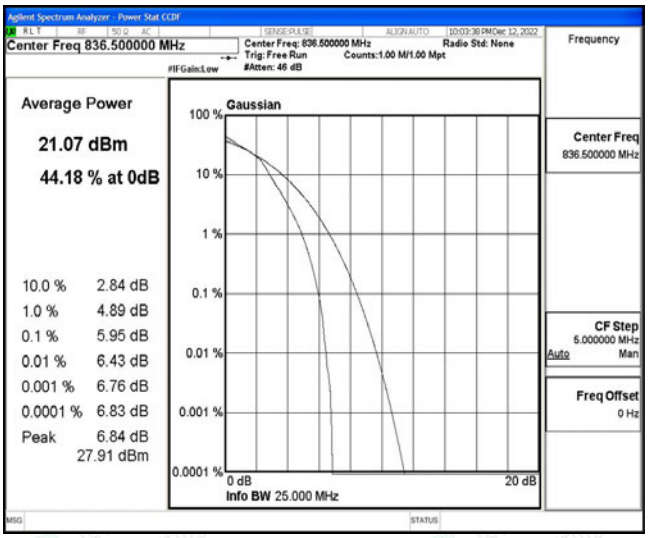
Band5-3MHz-QPSK-20635-15RB#0



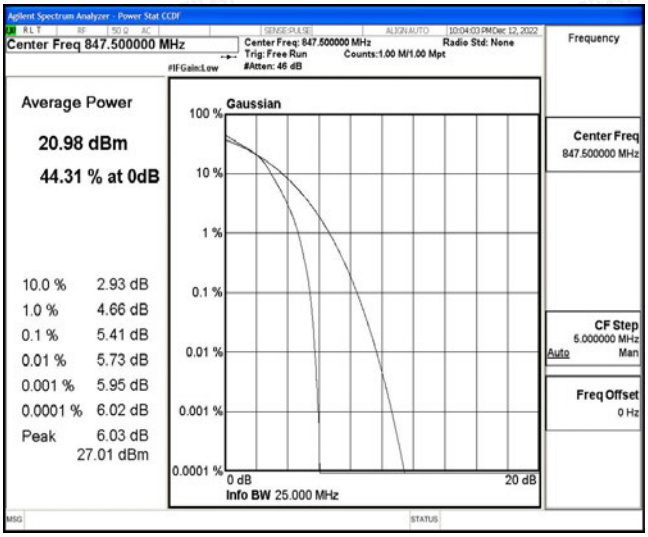
Band5-3MHz-16QAM-20415-15RB#0



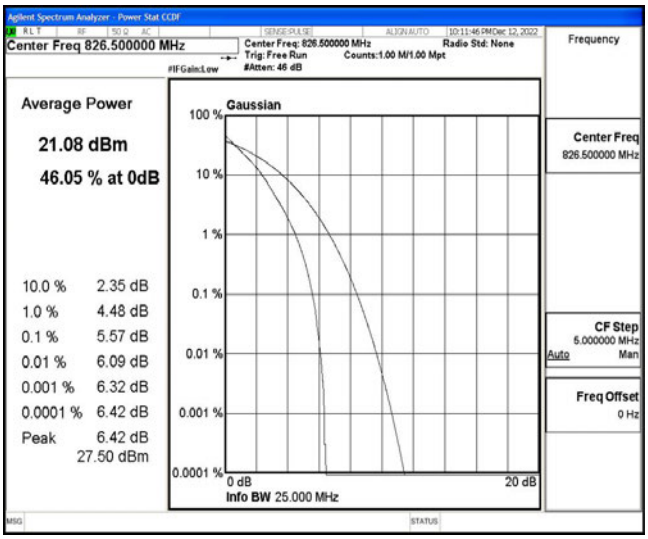
Band5-3MHz-16QAM-20525-15RB#0



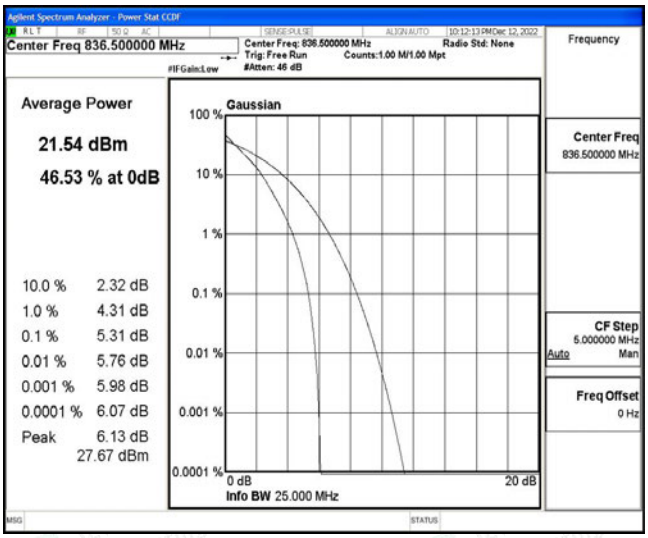
Band5-3MHz-16QAM-20635-15RB#0



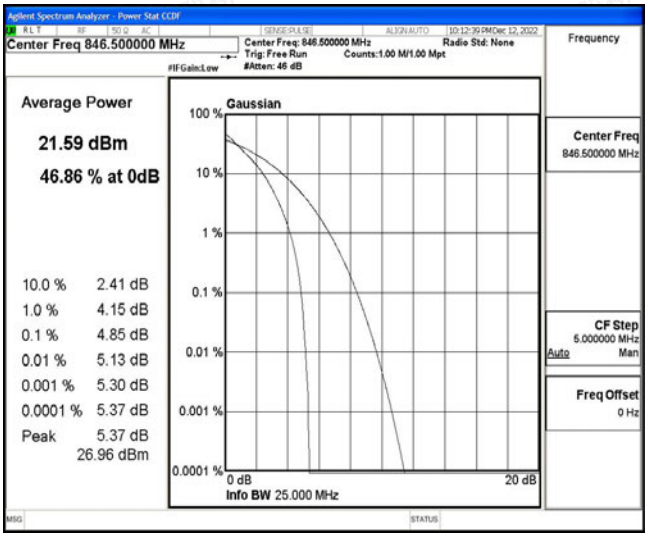
Band5-5MHz-QPSK-20425-25RB#0



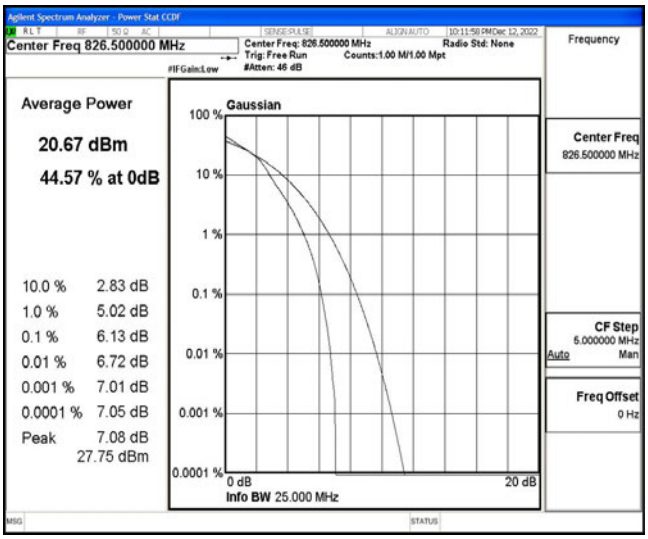
Band5-5MHz-QPSK-20525-25RB#0



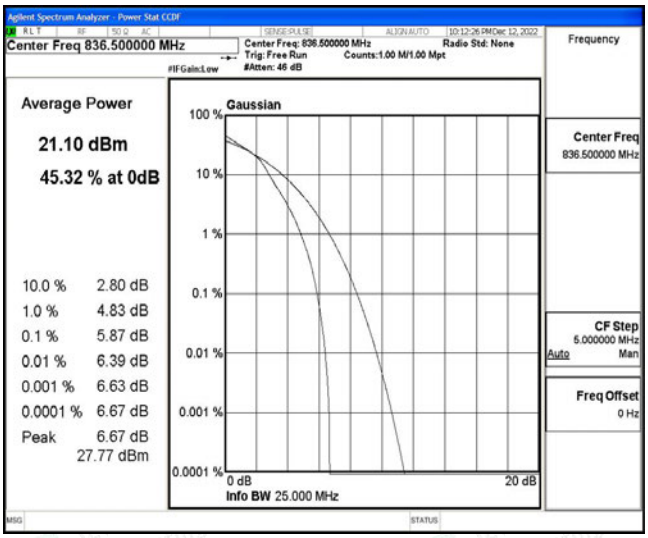
Band5-5MHz-QPSK-20625-25RB#0



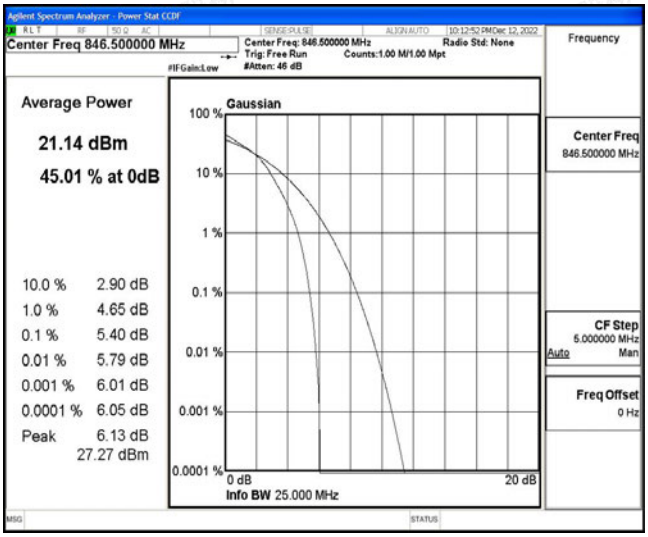
Band5-5MHz-16QAM-20425-25RB#0



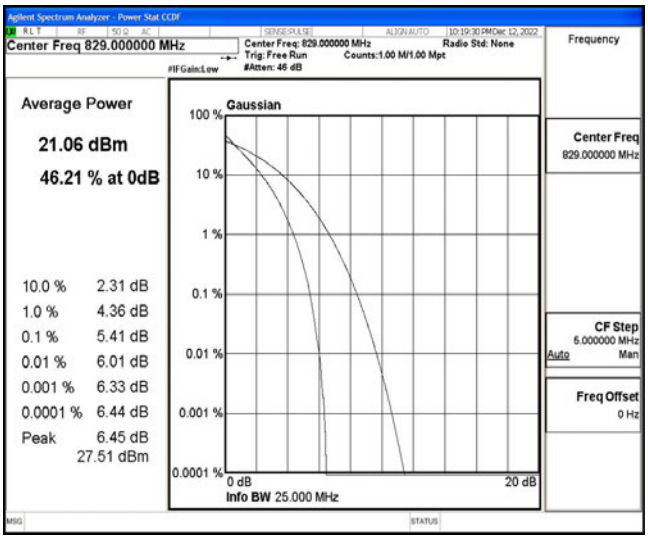
Band5-5MHz-16QAM-20525-25RB#0



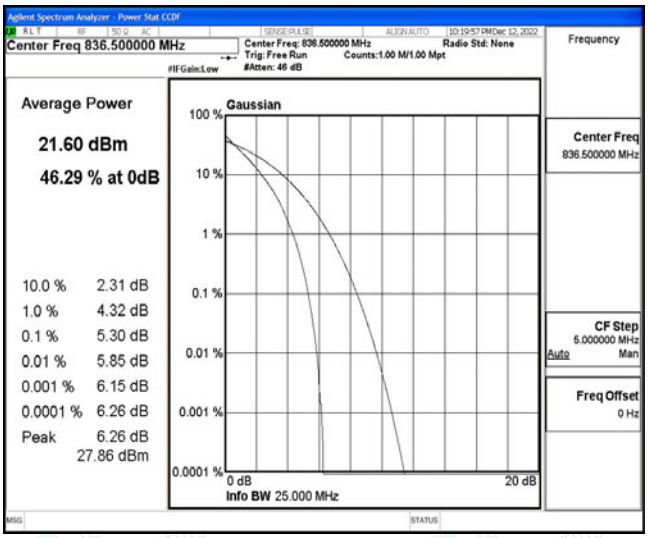
Band5-5MHz-16QAM-20625-25RB#0



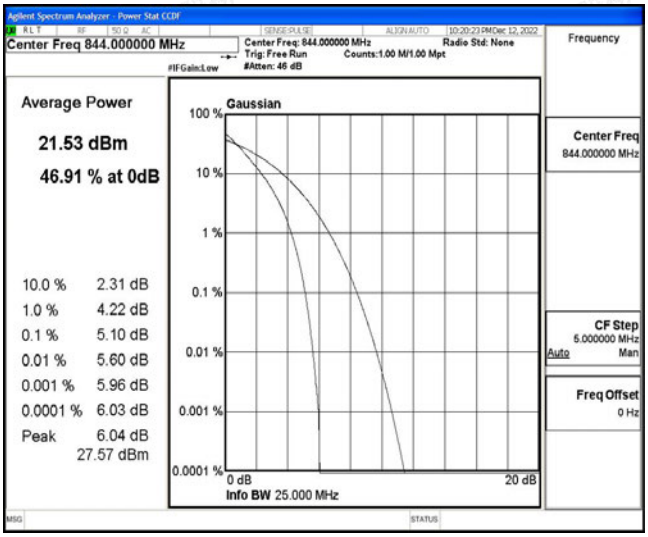
Band5-10MHz-QPSK-20450-50RB#0



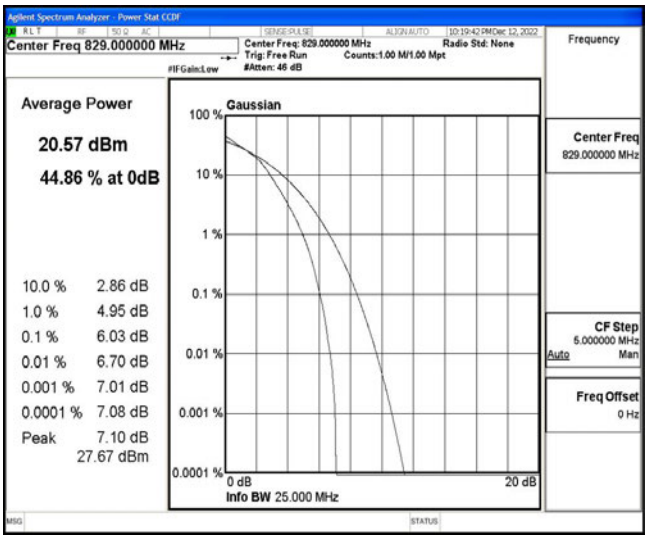
Band5-10MHz-QPSK-20525-50RB#0



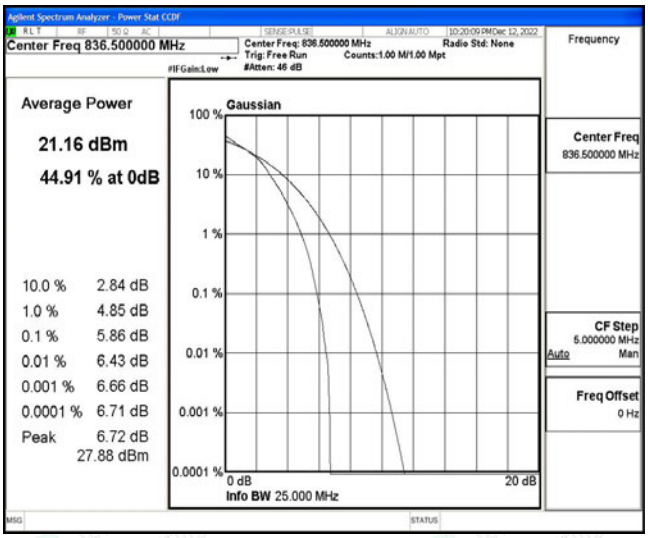
Band5-10MHz-QPSK-20600-50RB#0



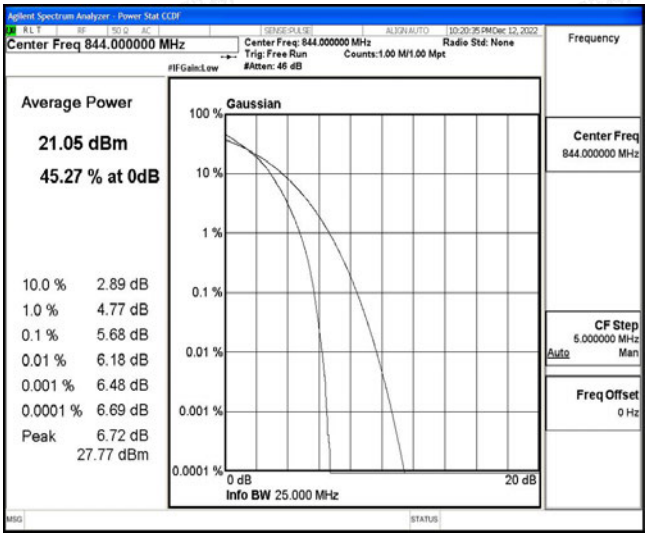
Band5-10MHz-16QAM-20450-50RB#0



Band5-10MHz-16QAM-20525-50RB#0



Band5-10MHz-16QAM-20600-50RB#0


Agilent Spectrum Analyzer - Power Stat CCDF
Center Freq 844.000000 MHz
Center Freq: 844.000000 MHz
Trig: Free Run
#Atten: 46 dB
Counts:1.00 M/1.00 Mpt
Radio Std: None
Frequency
Average Power
21.05 dBm
45.27 % at 0dB
10.0 % 2.89 dB
1.0 % 4.77 dB
0.1 % 5.68 dB
0.01 % 6.18 dB
0.001 % 6.48 dB
0.0001 % 6.69 dB
Peak 6.72 dB
27.77 dBm
Gaussian
100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0 dB
20 dB
Info BW 25.000 MHz
Center Freq
844.000000 MHz
CF Step
5.000000 MHz
Auto Man
Freq Offset
0 Hz

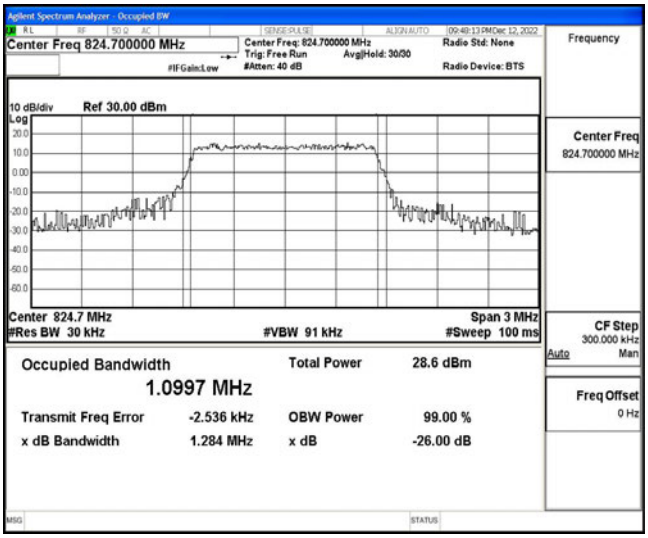
C.3 26dB Bandwidth and Occupied Bandwidth

Test Result

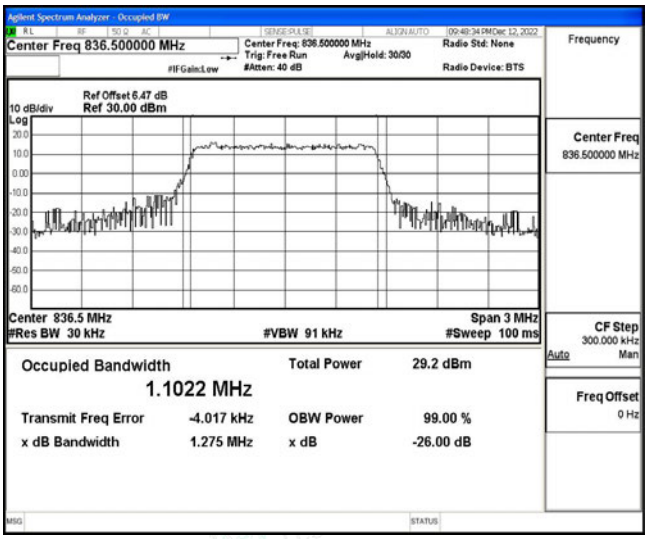
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0997	1.284	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.1022	1.275	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0963	1.283	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.1032	1.294	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.1071	1.299	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0986	1.327	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.7096	3.039	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7132	3.122	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7145	3.157	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.7020	3.067	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.7083	3.128	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.7299	3.349	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5305	5.264	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5315	5.286	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5260	5.367	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5249	5.274	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5108	5.196	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5428	5.377	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9941	9.944	PASS
Band5	10MHz	QPSK	20525	50RB#0	9.0070	10.11	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9950	10.07	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9821	10.17	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9978	10.07	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9827	10.44	PASS

Test Graphs

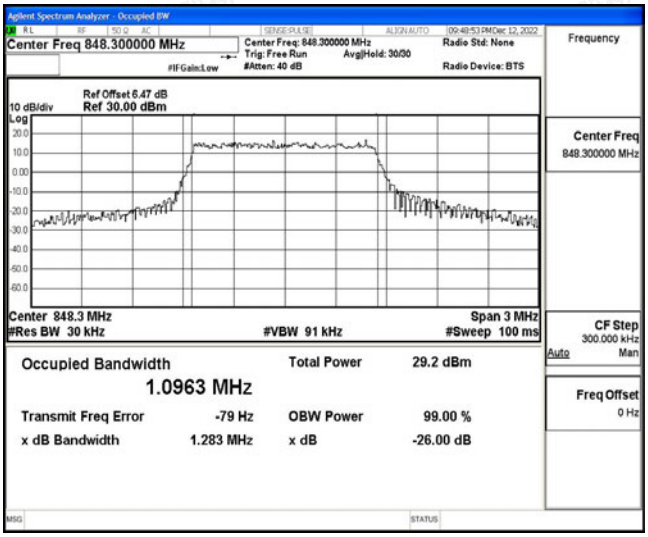
Band5-1.4MHz-QPSK-20407-6RB#0



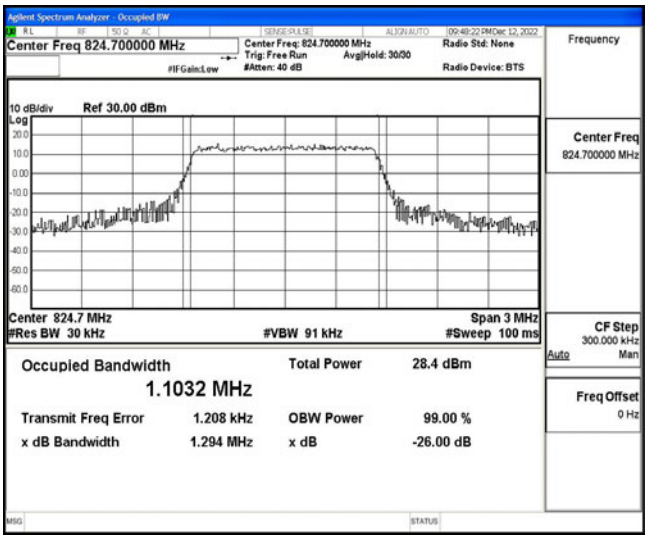
Band5-1.4MHz-QPSK-20525-6RB#0



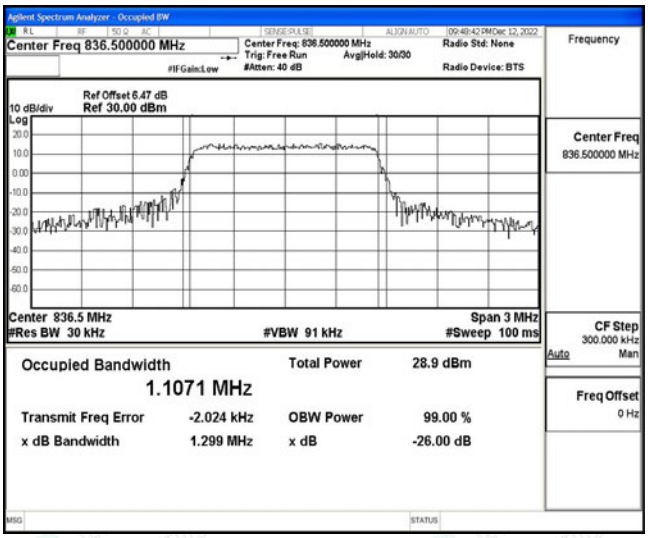
Band5-1.4MHz-QPSK-20643-6RB#0



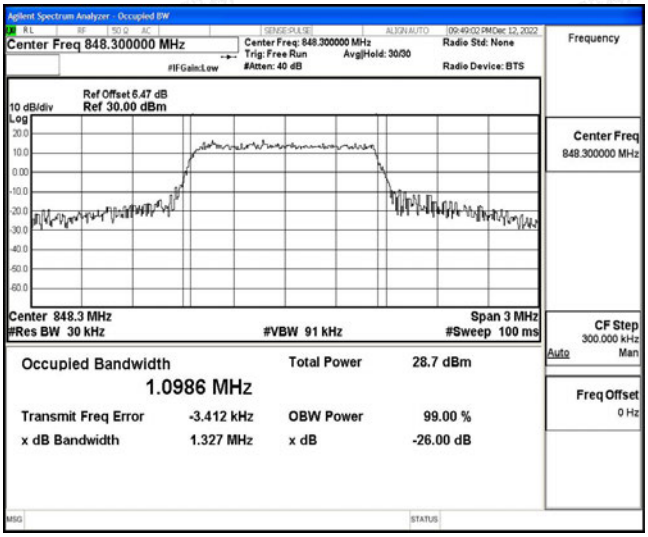
Band5-1.4MHz-16QAM-20407-6RB#0



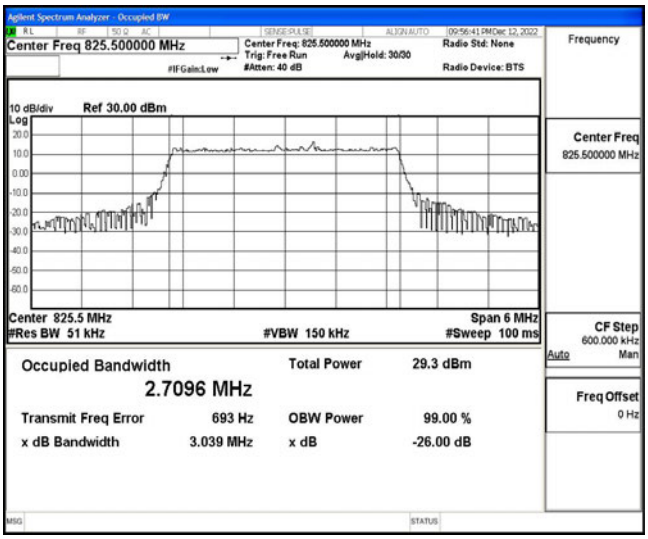
Band5-1.4MHz-16QAM-20525-6RB#0



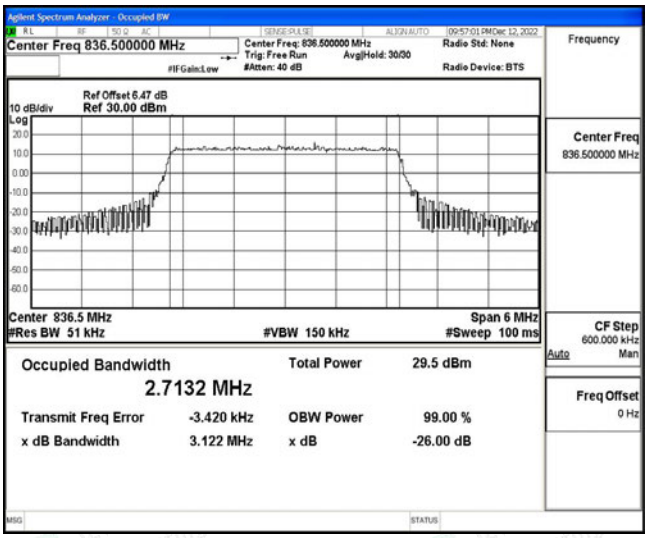
Band5-1.4MHz-16QAM-20643-6RB#0



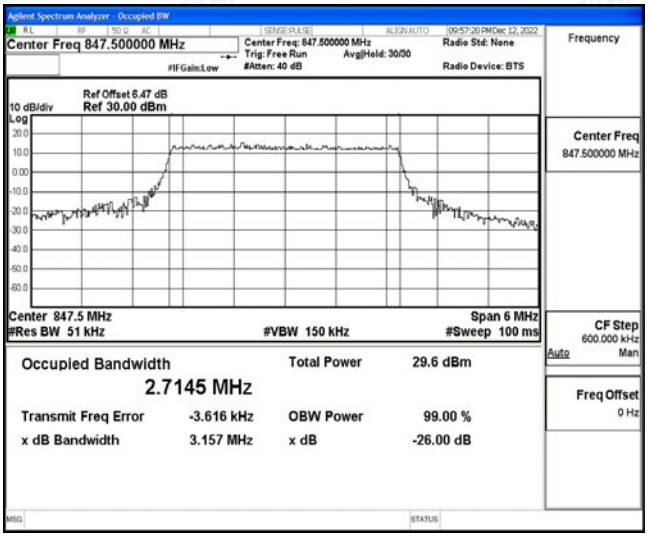
Band5-3MHz-QPSK-20415-15RB#0



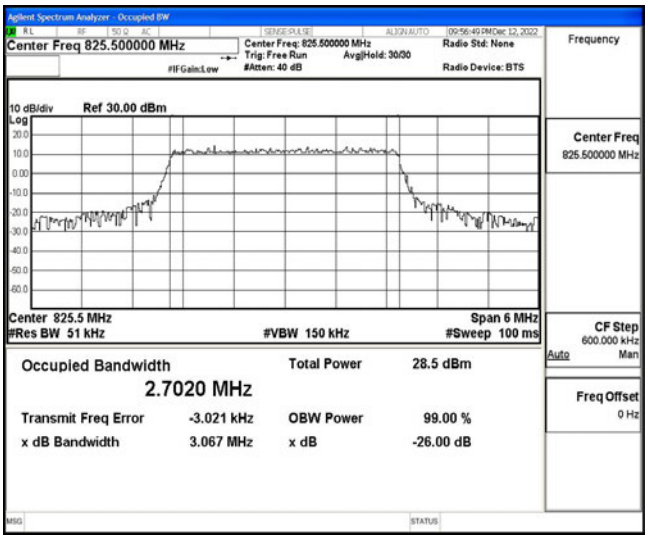
Band5-3MHz-QPSK-20525-15RB#0



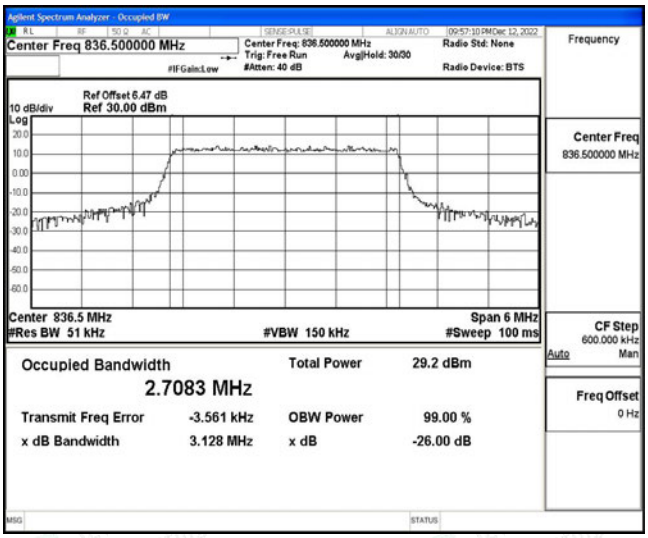
Band5-3MHz-QPSK-20635-15RB#0



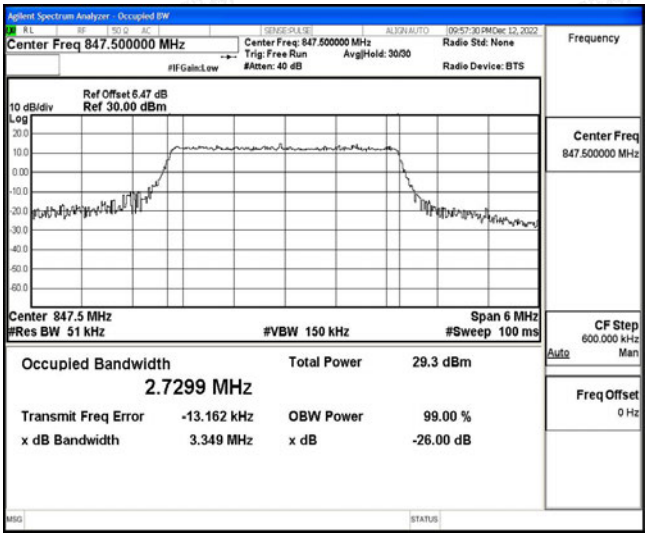
Band5-3MHz-16QAM-20415-15RB#0



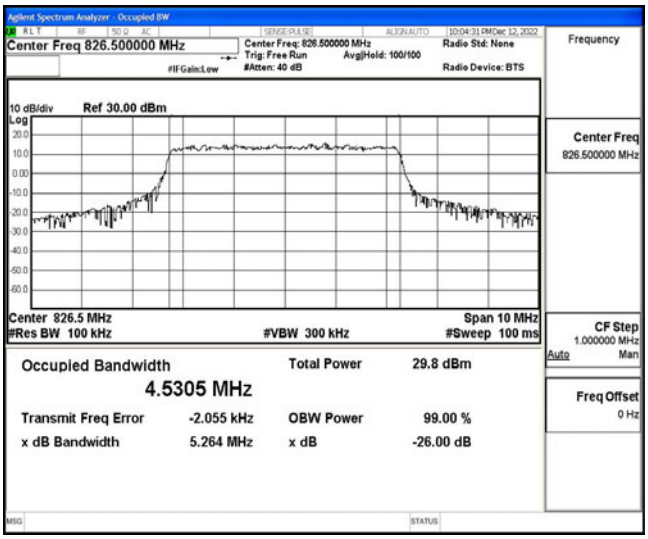
Band5-3MHz-16QAM-20525-15RB#0



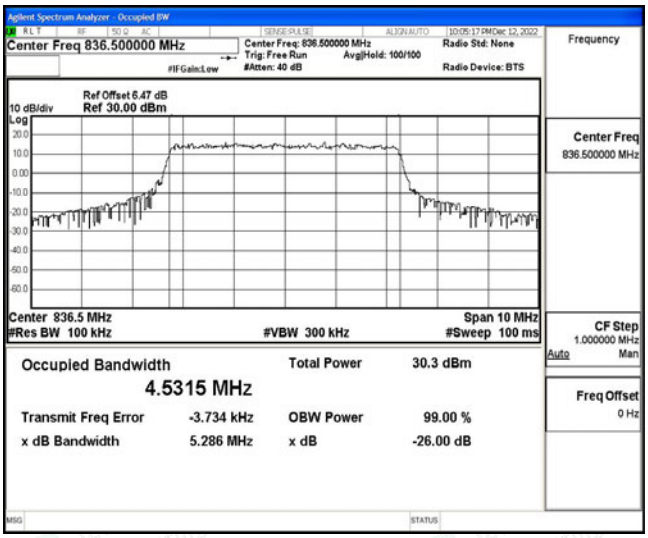
Band5-3MHz-16QAM-20635-15RB#0



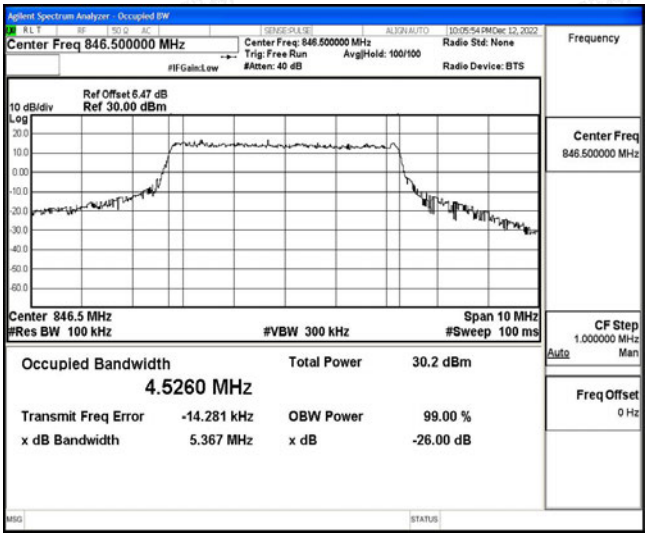
Band5-5MHz-QPSK-20425-25RB#0



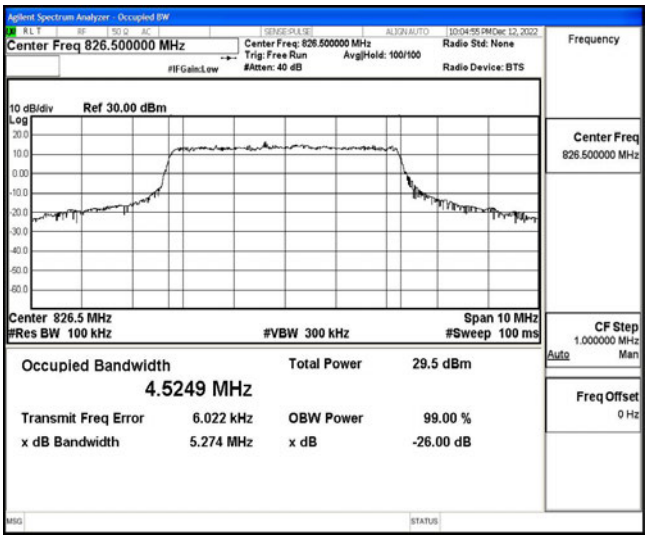
Band5-5MHz-QPSK-20525-25RB#0



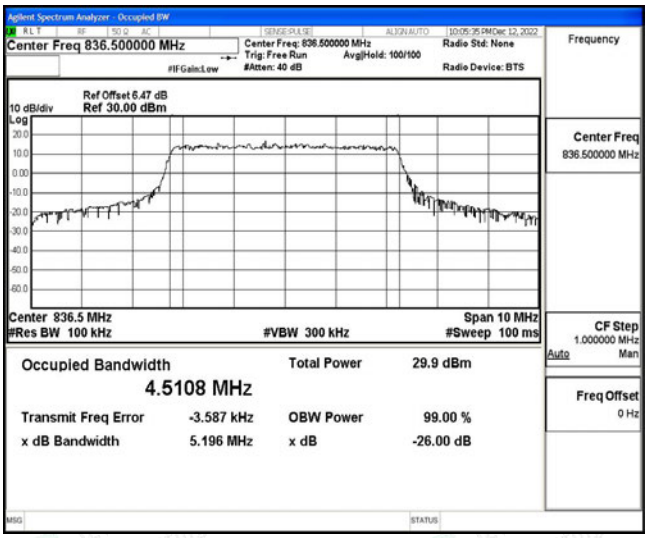
Band5-5MHz-QPSK-20625-25RB#0



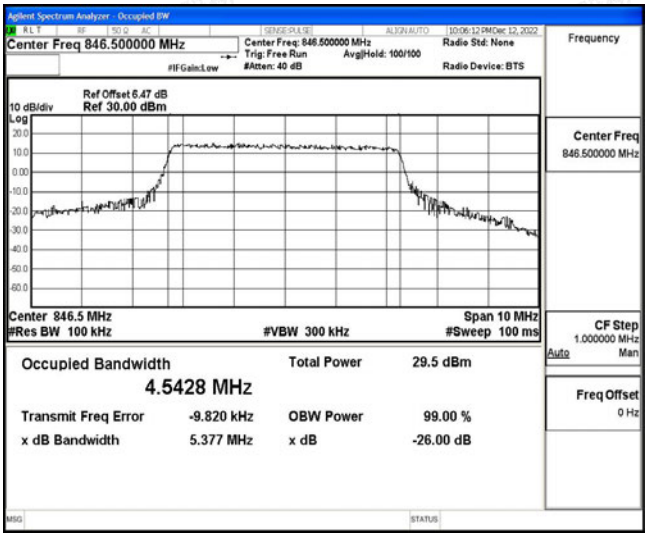
Band5-5MHz-16QAM-20425-25RB#0



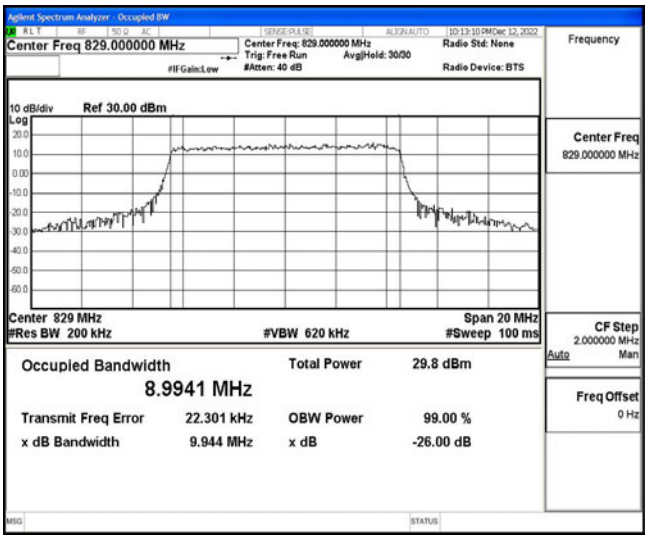
Band5-5MHz-16QAM-20525-25RB#0



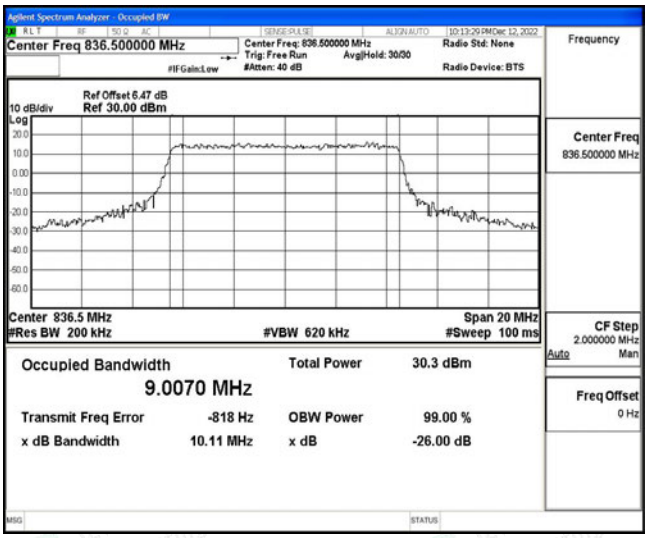
Band5-5MHz-16QAM-20625-25RB#0



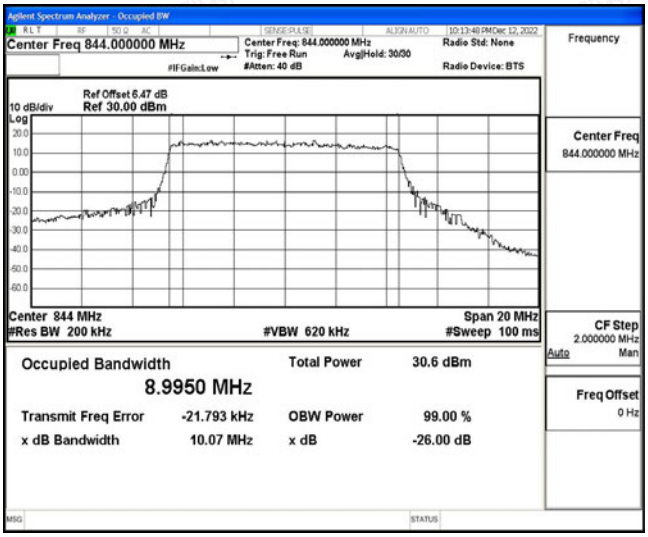
Band5-10MHz-QPSK-20450-50RB#0



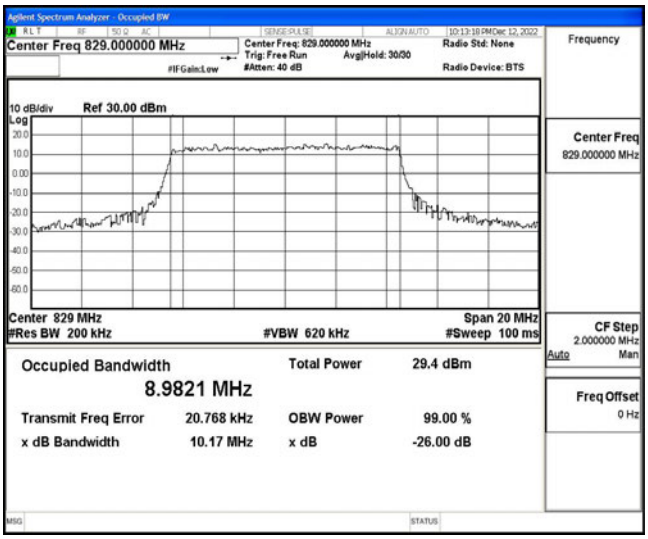
Band5-10MHz-QPSK-20525-50RB#0



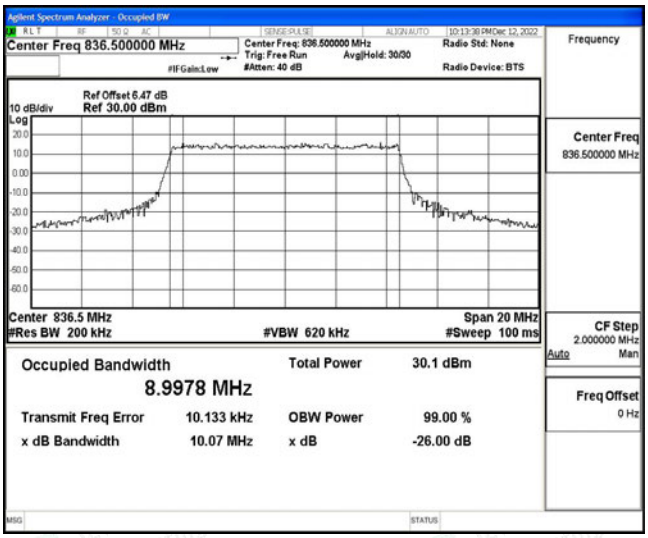
Band5-10MHz-QPSK-20600-50RB#0



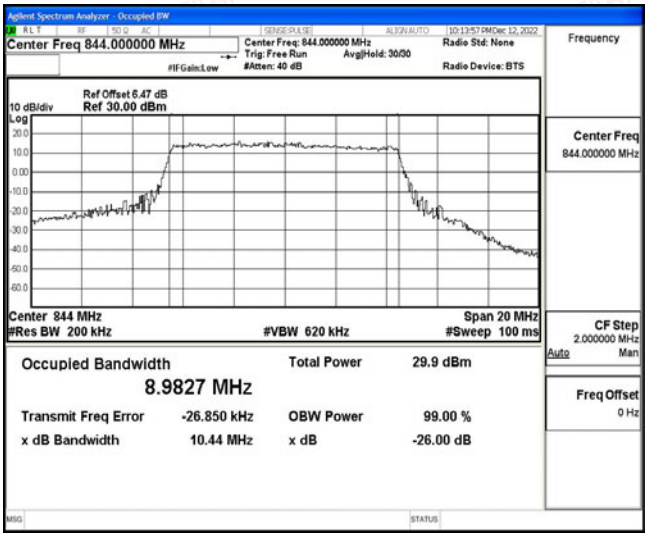
Band5-10MHz-16QAM-20450-50RB#0



Band5-10MHz-16QAM-20525-50RB#0



Band5-10MHz-16QAM-20600-50RB#0


Agilent Spectrum Analyzer - Occupied BW
Center Freq 844.000000 MHz
Center Freq: 844.000000 MHz
Trig: Free Run
Avg|Hold: 30/30
#Atten: 40 dB
Radio Std: None
Radio Device: BTS
Frequency
Ref Offset 6.47 dB
10 dB/div
Ref 30.00 dBm
Log
Center Freq
844.000000 MHz
Center 844 MHz
#Res BW 200 kHz
#VBW 620 kHz
Span 20 MHz
#Sweep 100 ms
CF Step
2.000000 MHz
Auto
Man
Occupied Bandwidth
8.9827 MHz
Total Power 29.9 dBm
Transmit Freq Error -26.850 kHz
OBW Power 99.00 %
x dB Bandwidth 10.44 MHz
x dB -26.00 dB
Freq Offset
0 Hz

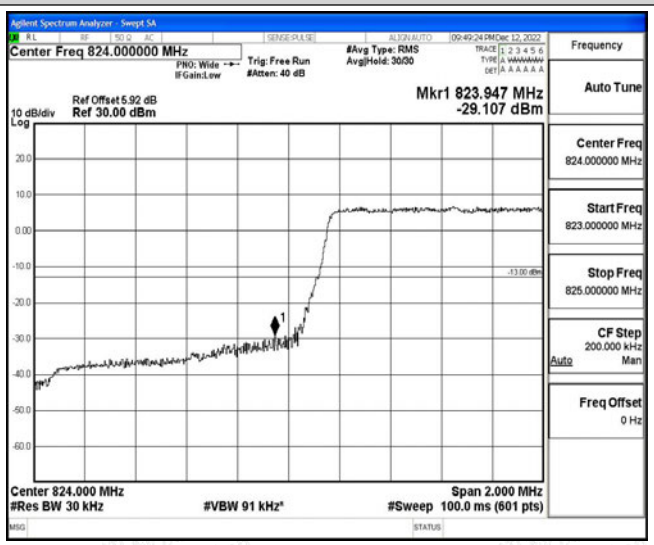
C.4 Band Edge

Test Result

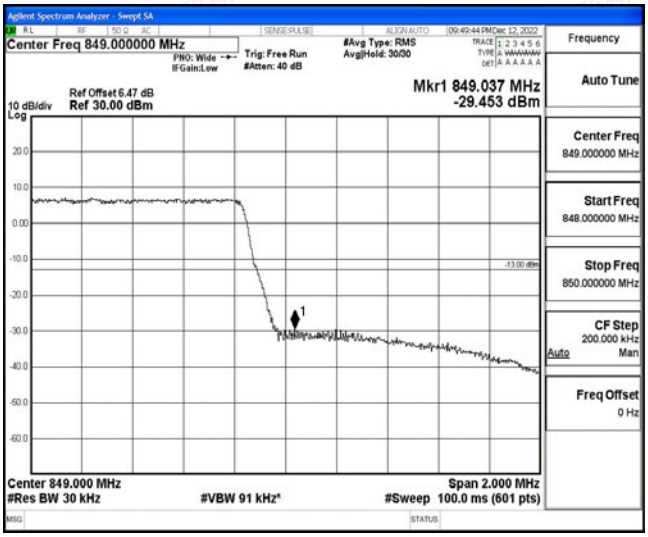
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	-29.11	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-29.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-29.93	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-27.42	PASS
Band5	3MHz	QPSK	20415	15RB#0	-23.24	PASS
Band5	3MHz	QPSK	20635	15RB#0	-22.86	PASS
Band5	3MHz	16QAM	20415	15RB#0	-24.24	PASS
Band5	3MHz	16QAM	20635	15RB#0	-22.90	PASS
Band5	5MHz	QPSK	20425	25RB#0	-26.27	PASS
Band5	5MHz	QPSK	20625	25RB#0	-26.31	PASS
Band5	5MHz	16QAM	20425	25RB#0	-28.02	PASS
Band5	5MHz	16QAM	20625	25RB#0	-26.68	PASS
Band5	10MHz	QPSK	20450	50RB#0	-30.05	PASS
Band5	10MHz	QPSK	20600	50RB#0	-29.57	PASS
Band5	10MHz	16QAM	20450	50RB#0	-30.86	PASS
Band5	10MHz	16QAM	20600	50RB#0	-28.86	PASS

Test Graphs

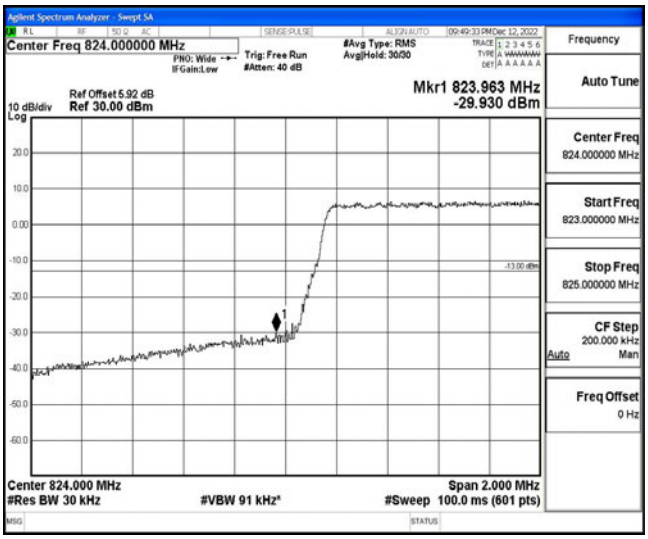
Band5-1.4MHz-QPSK-20407-6RB#0



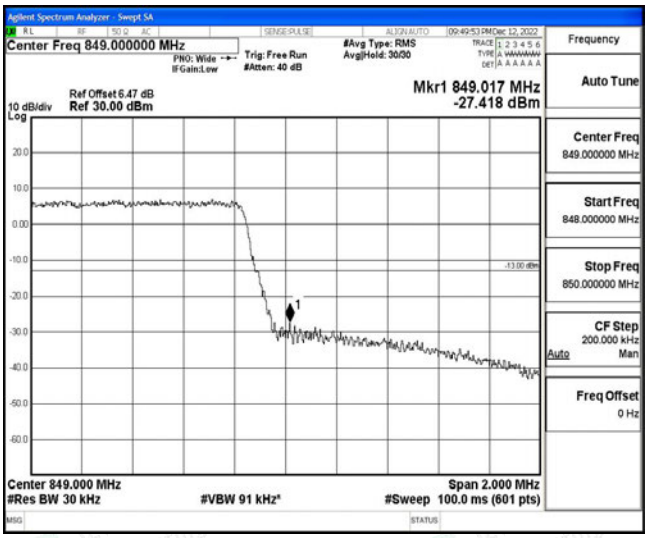
Band5-1.4MHz-QPSK-20643-6RB#0



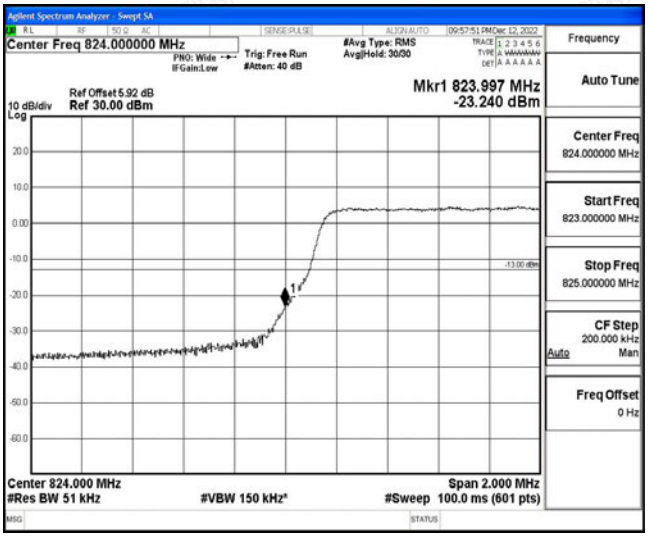
Band5-1.4MHz-16QAM-20407-6RB#0



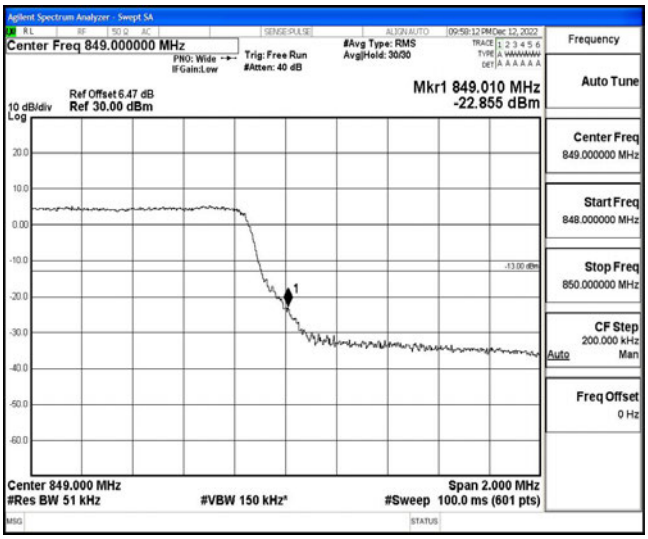
Band5-1.4MHz-16QAM-20643-6RB#0



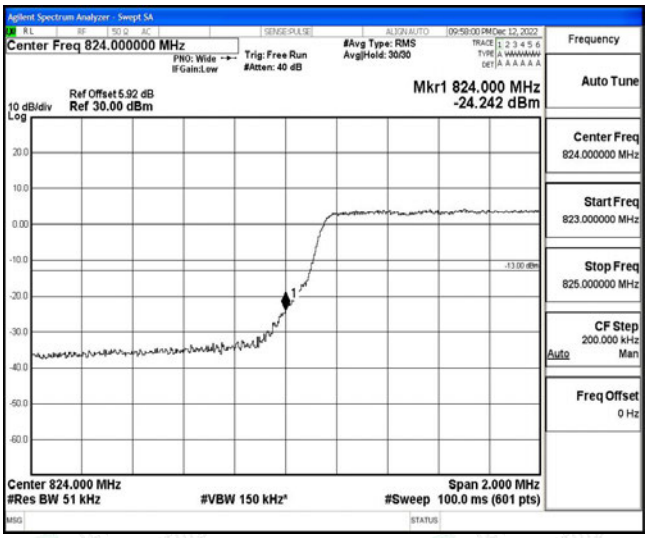
Band5-3MHz-QPSK-20415-15RB#0



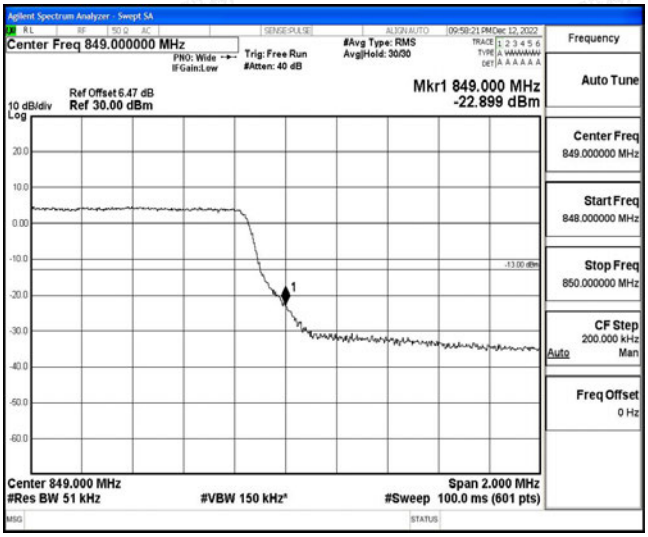
Band5-3MHz-QPSK-20635-15RB#0



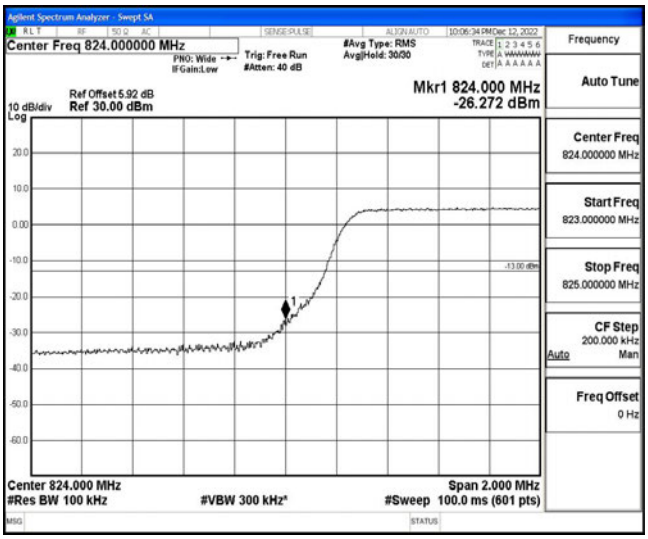
Band5-3MHz-16QAM-20415-15RB#0



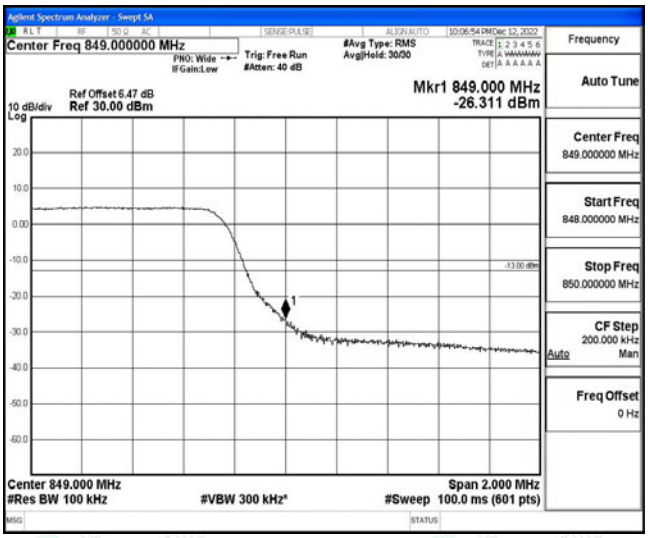
Band5-3MHz-16QAM-20635-15RB#0



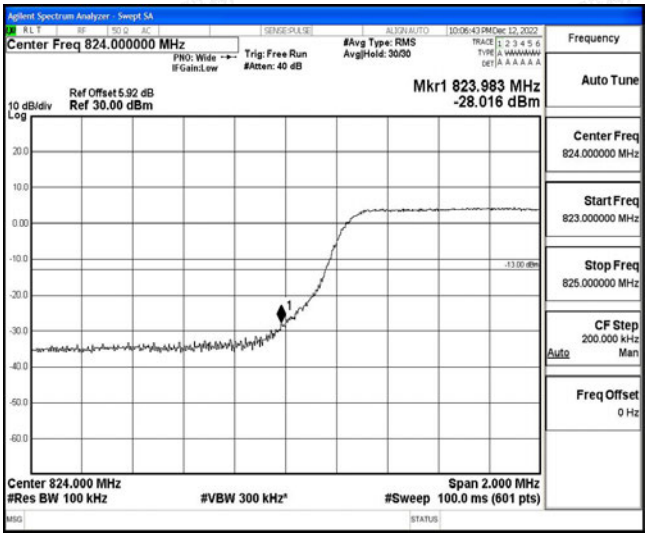
Band5-5MHz-QPSK-20425-25RB#0



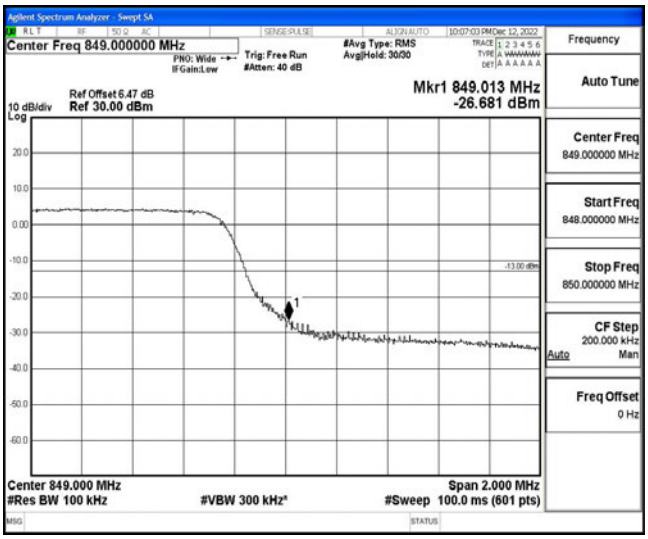
Band5-5MHz-QPSK-20625-25RB#0



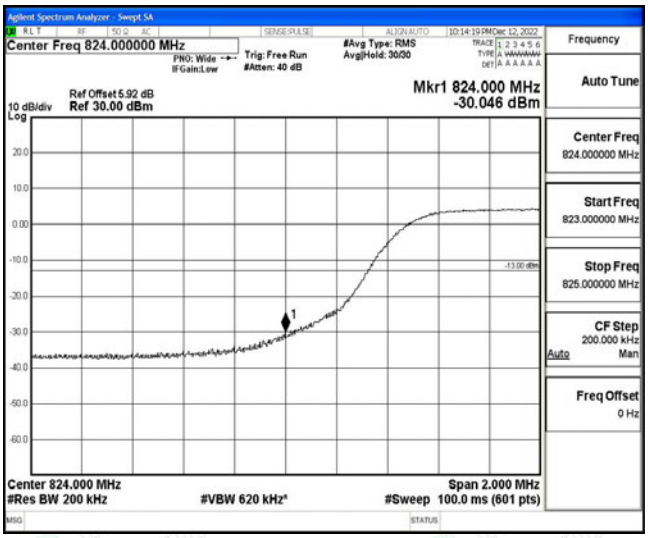
Band5-5MHz-16QAM-20425-25RB#0



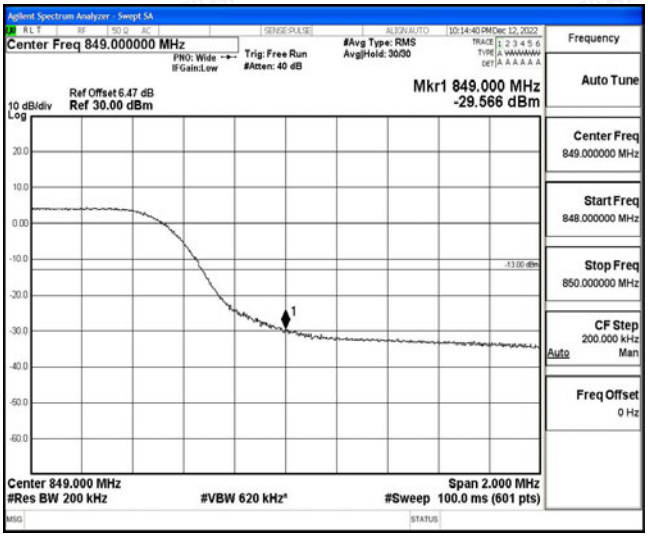
Band5-5MHz-16QAM-20625-25RB#0



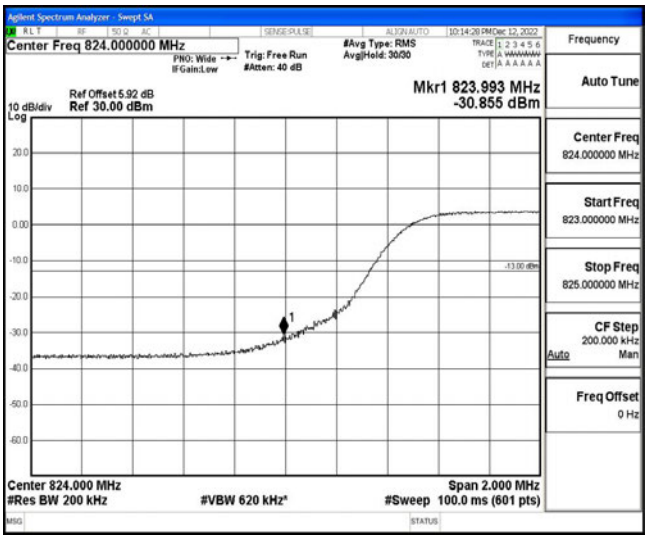
Band5-10MHz-QPSK-20450-50RB#0



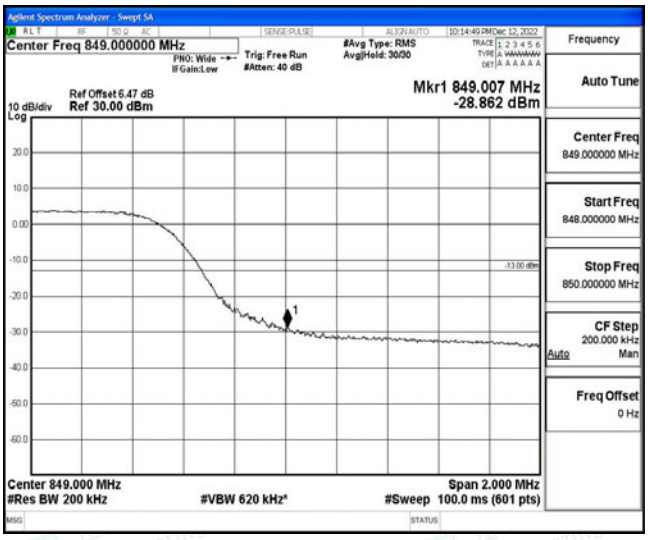
Band5-10MHz-QPSK-20600-50RB#0



Band5-10MHz-16QAM-20450-50RB#0



Band5-10MHz-16QAM-20600-50RB#0



C.5 Conducted Spurious Emission

Test Result

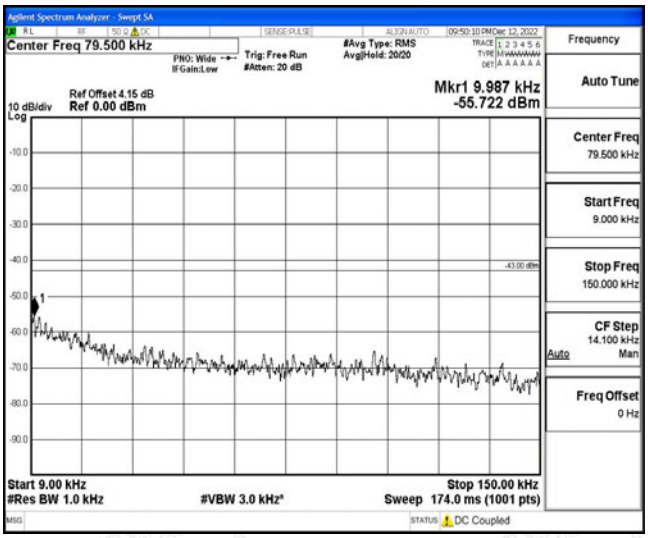
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	Range1:0.009~0.15MHz	-55.72	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range2:0.15~30MHz	-52.04	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range3:30~1000MHz	-42.02	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range4:1000~10000MHz	-45.01	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range1:0.009~0.15MHz	-55.02	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range2:0.15~30MHz	-52.47	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range3:30~1000MHz	-40.57	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range4:1000~10000MHz	-45.05	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range1:0.009~0.15MHz	-56.23	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range2:0.15~30MHz	-52.05	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range3:30~1000MHz	-41.98	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range4:1000~10000MHz	-44.89	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range1:0.009~0.15MHz	-54.94	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range2:0.15~30MHz	-51.6	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range3:30~1000MHz	-41.7	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range4:1000~10000MHz	-45.03	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range1:0.009~0.15MHz	-51.96	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range2:0.15~30MHz	-50.32	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range3:30~1000MHz	-41.17	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range4:1000~10000MHz	-45.06	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range1:0.009~0.15MHz	-55.42	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range2:0.15~30MHz	-50.83	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range3:30~1000MHz	-40.93	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range4:1000~10000MHz	-44.86	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range1:0.009~0.15MHz	-53.22	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range2:0.15~30MHz	-52.02	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range3:30~1000MHz	-41.19	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range4:1000~10000MHz	-44.93	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range1:0.009~0.15MHz	-56.47	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range2:0.15~30MHz	-50.11	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range3:30~1000MHz	-40.61	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range4:1000~10000MHz	-44.82	PASS
Band5	3MHz	QPSK	20635	1RB#0	Range1:0.009~0.15MHz	-54.94	PASS

Band5	3MHz	QPSK	20635	1RB#0	Range2:0.15~30MHz	-49.7	PASS
Band5	3MHz	QPSK	20635	1RB#0	Range3:30~1000MHz	-40.32	PASS
Band5	3MHz	QPSK	20635	1RB#0	Range4:1000~10000MHz	-44.99	PASS
Band5	3MHz	16QAM	20415	1RB#0	Range1:0.009~0.15MHz	-57.11	PASS
Band5	3MHz	16QAM	20415	1RB#0	Range2:0.15~30MHz	-52.35	PASS
Band5	3MHz	16QAM	20415	1RB#0	Range3:30~1000MHz	-40.85	PASS
Band5	3MHz	16QAM	20415	1RB#0	Range4:1000~10000MHz	-44.67	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range1:0.009~0.15MHz	-52.99	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range2:0.15~30MHz	-50.97	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range3:30~1000MHz	-40.8	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range4:1000~10000MHz	-45.02	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range1:0.009~0.15MHz	-55.4	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range2:0.15~30MHz	-50.6	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range3:30~1000MHz	-41.06	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range4:1000~10000MHz	-44.96	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range1:0.009~0.15MHz	-55.1	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range2:0.15~30MHz	-51.21	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range3:30~1000MHz	-41.29	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range4:1000~10000MHz	-44.89	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range1:0.009~0.15MHz	-55.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range2:0.15~30MHz	-51.82	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range3:30~1000MHz	-39.61	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range4:1000~10000MHz	-44.91	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range1:0.009~0.15MHz	-51.91	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range2:0.15~30MHz	-51.13	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range3:30~1000MHz	-40.96	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range4:1000~10000MHz	-44.79	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range1:0.009~0.15MHz	-55.97	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range2:0.15~30MHz	-49.58	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range3:30~1000MHz	-40.46	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range4:1000~10000MHz	-44.84	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range1:0.009~0.15MHz	-56.19	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range2:0.15~30MHz	-51.83	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range3:30~1000MHz	-40.96	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range4:1000~10000MHz	-44.97	PASS
Band5	5MHz	16QAM	20625	1RB#0	Range1:0.009~0.15MHz	-55.58	PASS
Band5	5MHz	16QAM	20625	1RB#0	Range2:0.15~30MHz	-51.77	PASS
Band5	5MHz	16QAM	20625	1RB#0	Range3:30~1000MHz	-40.51	PASS
Band5	5MHz	16QAM	20625	1RB#0	Range4:1000~10000MHz	-44.76	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range1:0.009~0.15MHz	-54.86	PASS

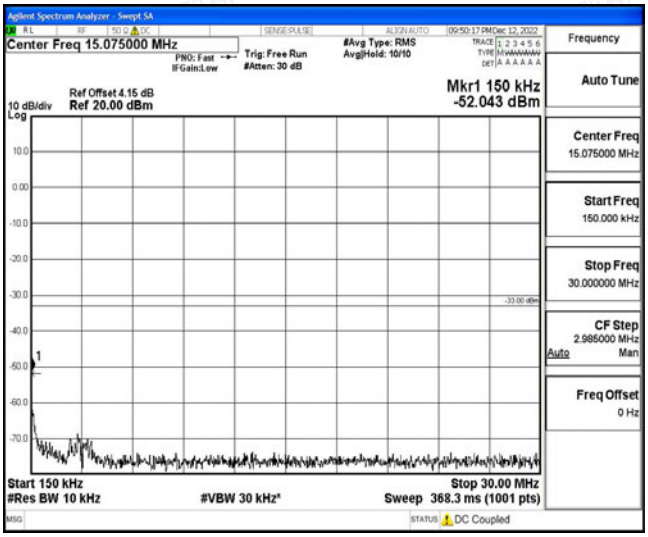
Band5	10MHz	QPSK	20450	1RB#0	Range2:0.15~30MHz	-51.02	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range3:30~1000MHz	-40.2	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range4:1000~10000MHz	-44.96	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range1:0.009~0.15MHz	-56.41	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range2:0.15~30MHz	-52.05	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range3:30~1000MHz	-41.1	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range4:1000~10000MHz	-44.86	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range1:0.009~0.15MHz	-56.26	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range2:0.15~30MHz	-51.03	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range3:30~1000MHz	-40.82	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range4:1000~10000MHz	-44.97	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range1:0.009~0.15MHz	-54.29	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range2:0.15~30MHz	-51.92	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range3:30~1000MHz	-41	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range4:1000~10000MHz	-44.94	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range1:0.009~0.15MHz	-55.16	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range2:0.15~30MHz	-50.61	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range3:30~1000MHz	-40.66	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range4:1000~10000MHz	-44.93	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range1:0.009~0.15MHz	-55.58	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range2:0.15~30MHz	-51.38	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range3:30~1000MHz	-41.32	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range4:1000~10000MHz	-44.92	PASS

Test Graphs

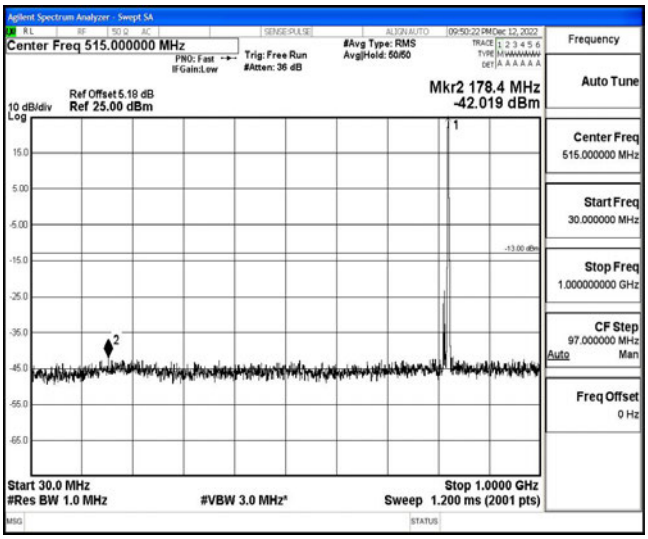
Band5-1.4MHz-QPSK-20407-1RB#0-Range1:0.009~0.15MHz



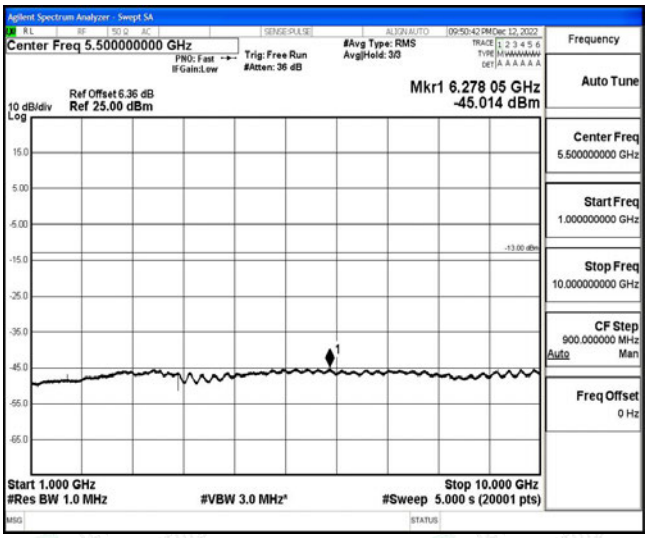
Band5-1.4MHz-QPSK-20407-1RB#0-Range2:0.15~30MHz



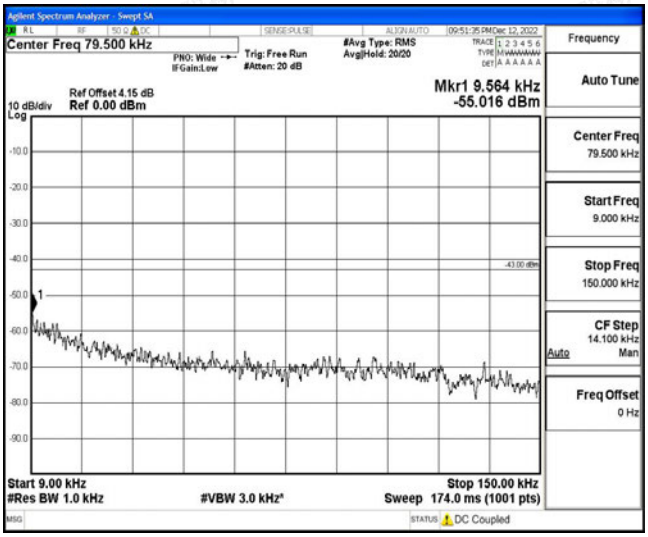
Band5-1.4MHz-QPSK-20407-1RB#0-Range3:30~1000MHz



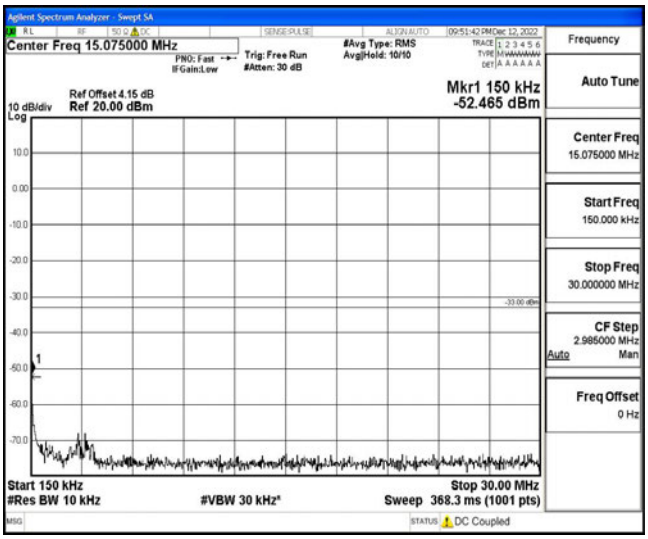
Band5-1.4MHz-QPSK-20407-1RB#0-Range4:1000~10000MHz



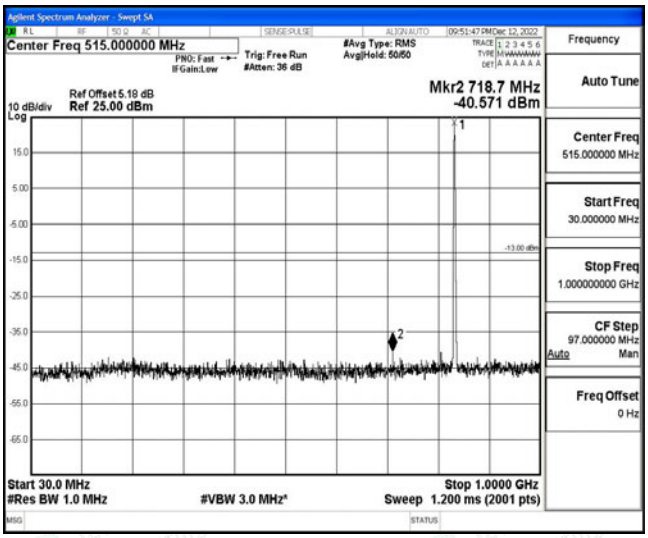
Band5-1.4MHz-QPSK-20525-1RB#0-Range1:0.009~0.15MHz



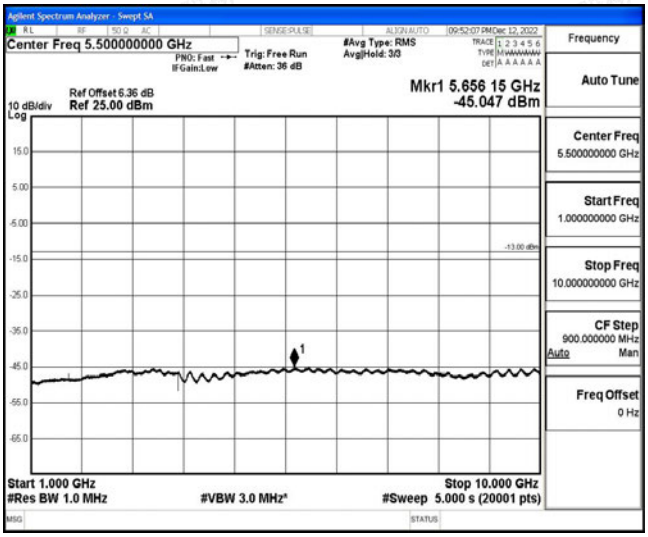
Band5-1.4MHz-QPSK-20525-1RB#0-Range2:0.15~30MHz



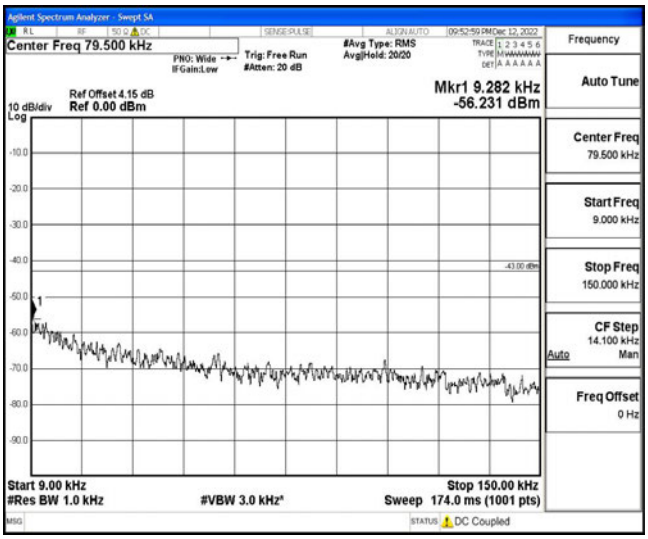
Band5-1.4MHz-QPSK-20525-1RB#0-Range3:30~1000MHz



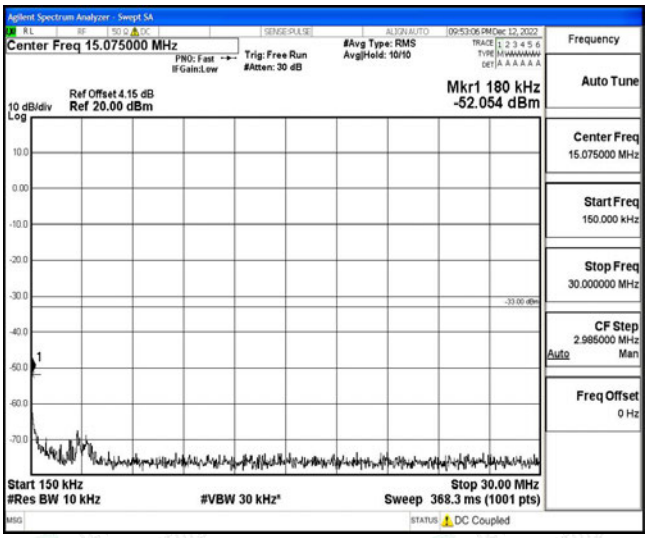
Band5-1.4MHz-QPSK-20525-1RB#0-Range4:1000~10000MHz



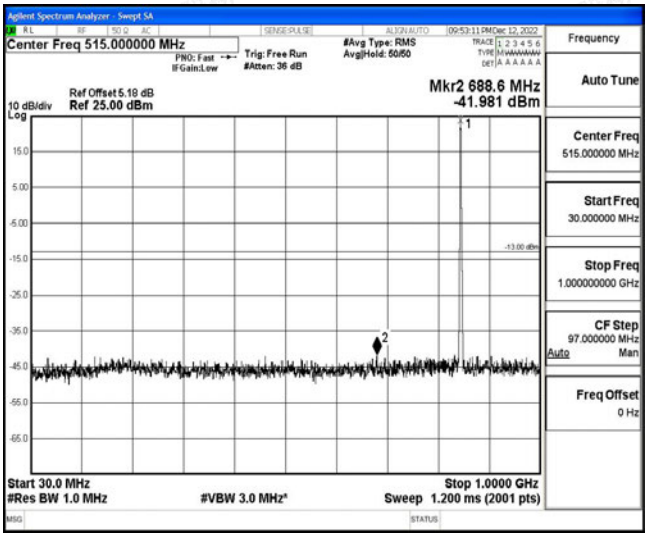
Band5-1.4MHz-QPSK-20643-1RB#0-Range1:0.009~0.15MHz



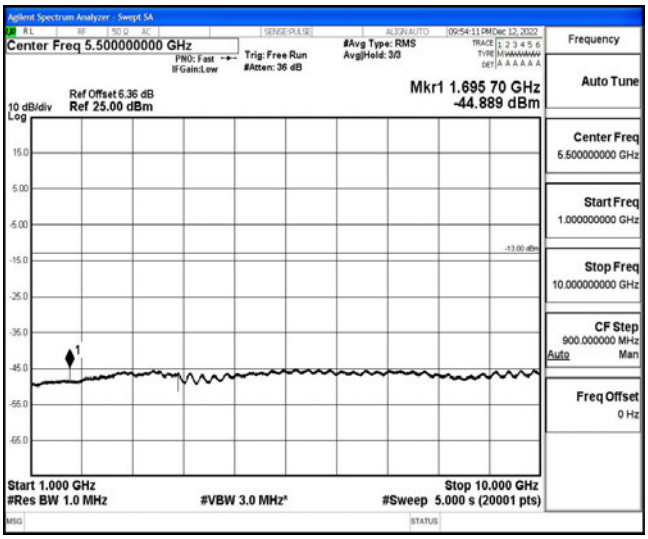
Band5-1.4MHz-QPSK-20643-1RB#0-Range2:0.15~30MHz



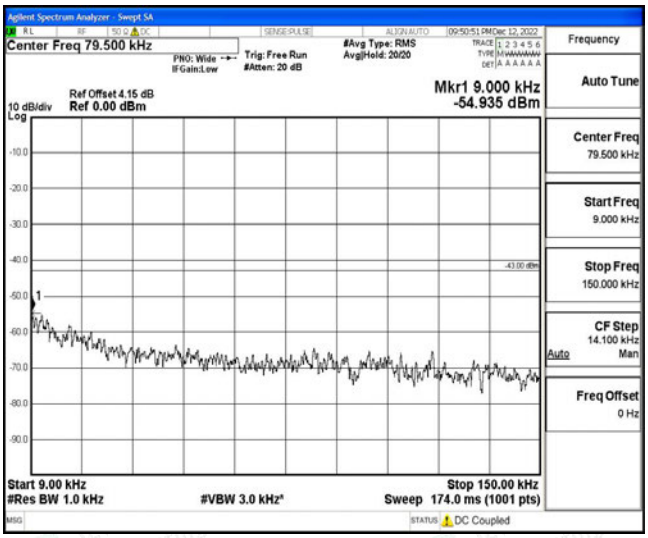
Band5-1.4MHz-QPSK-20643-1RB#0-Range3:30~1000MHz



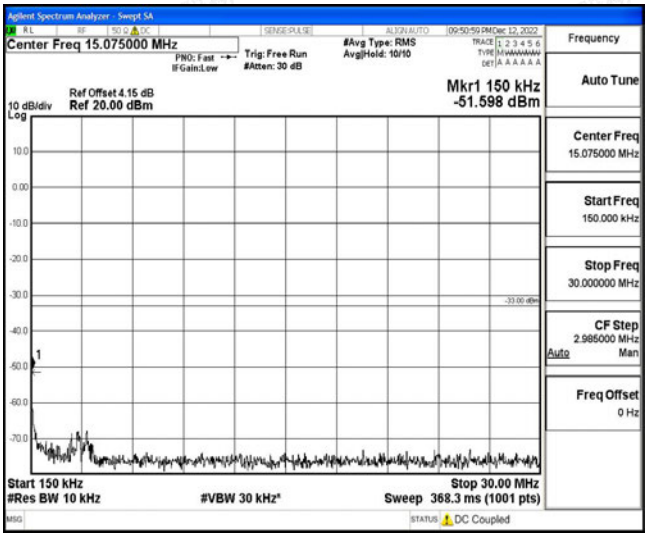
Band5-1.4MHz-QPSK-20643-1RB#0-Range4:1000~10000MHz



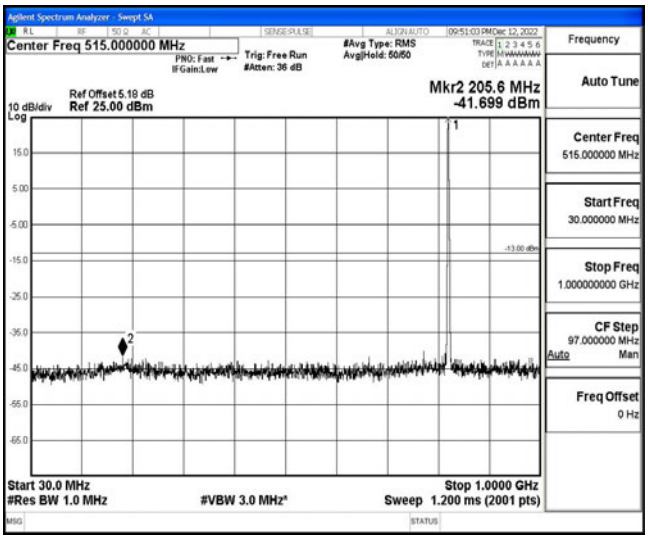
Band5-1.4MHz-16QAM-20407-1RB#0-Range1:0.009~0.15MHz



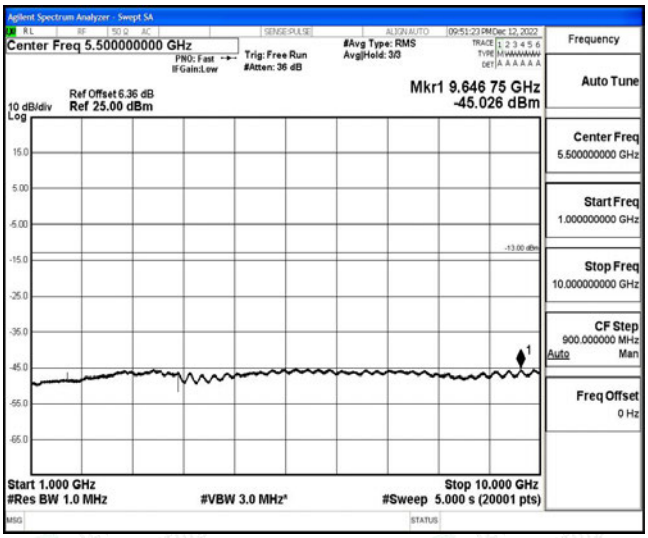
Band5-1.4MHz-16QAM-20407-1RB#0-Range2:0.15~30MHz



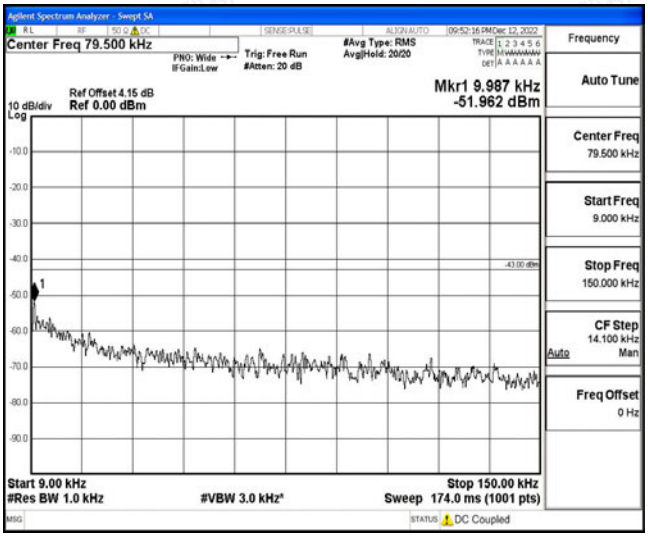
Band5-1.4MHz-16QAM-20407-1RB#0-Range3:30~1000MHz



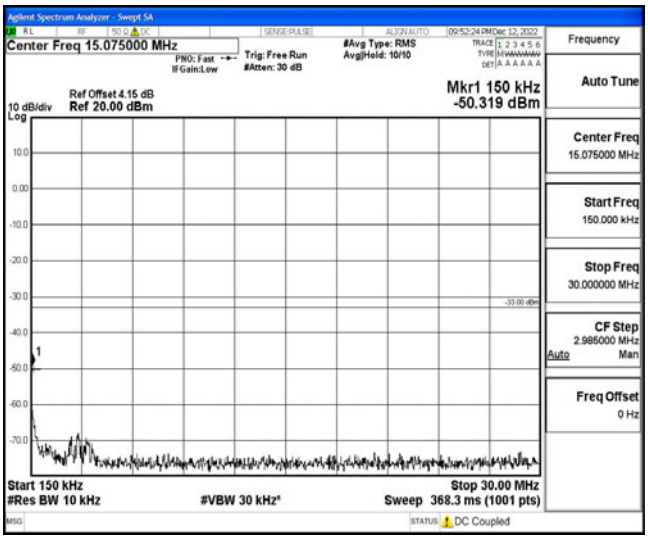
Band5-1.4MHz-16QAM-20407-1RB#0-Range4:1000~10000MHz



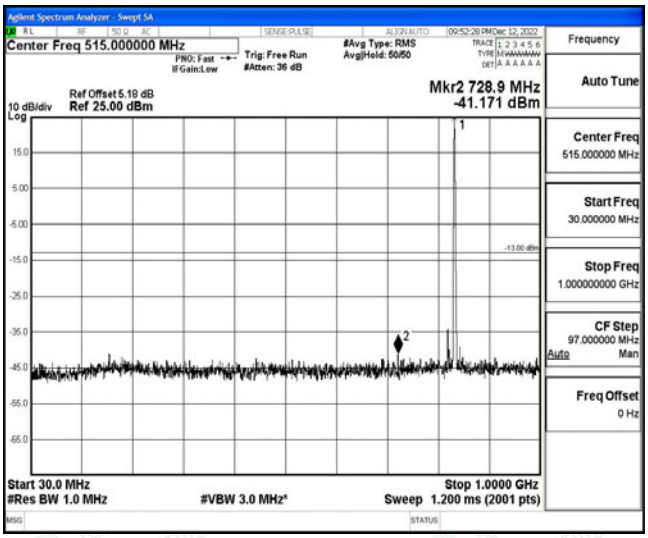
Band5-1.4MHz-16QAM-20525-1RB#0-Range1:0.009~0.15MHz



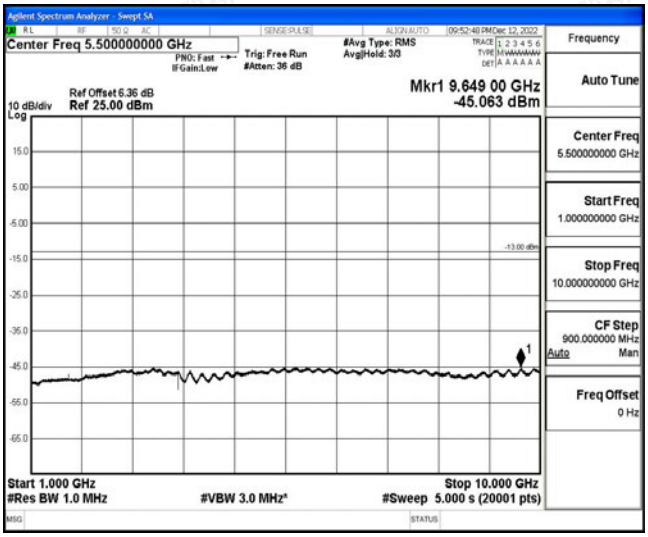
Band5-1.4MHz-16QAM-20525-1RB#0-Range2:0.15~30MHz



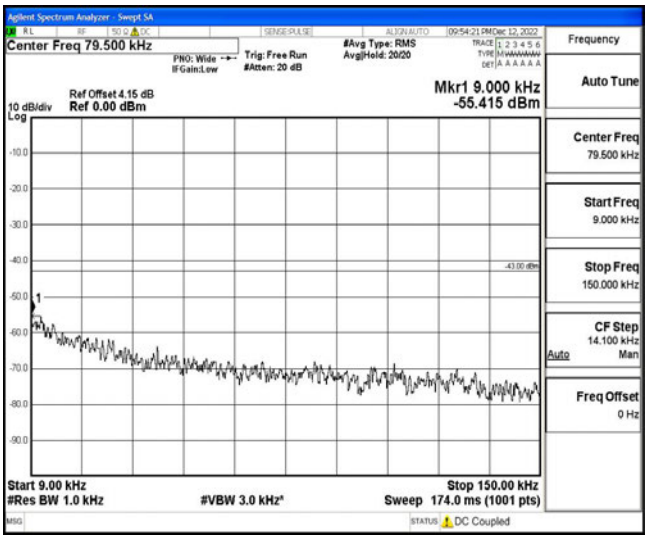
Band5-1.4MHz-16QAM-20525-1RB#0-Range3:30~1000MHz



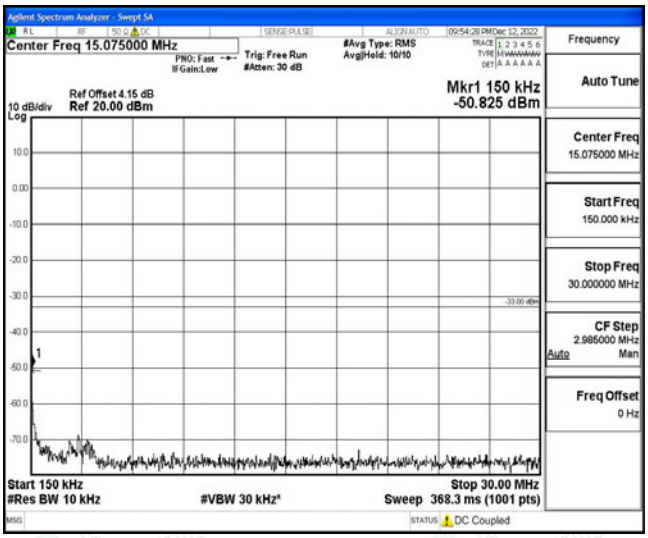
Band5-1.4MHz-16QAM-20525-1RB#0-Range4:1000~10000MHz



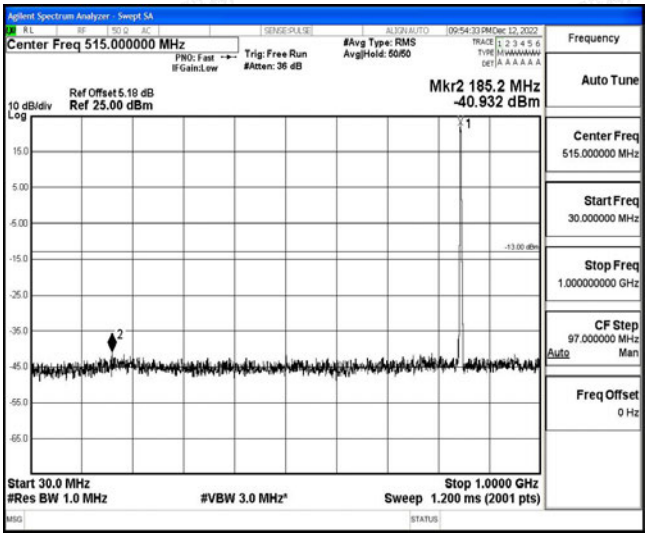
Band5-1.4MHz-16QAM-20643-1RB#0-Range1:0.009~0.15MHz



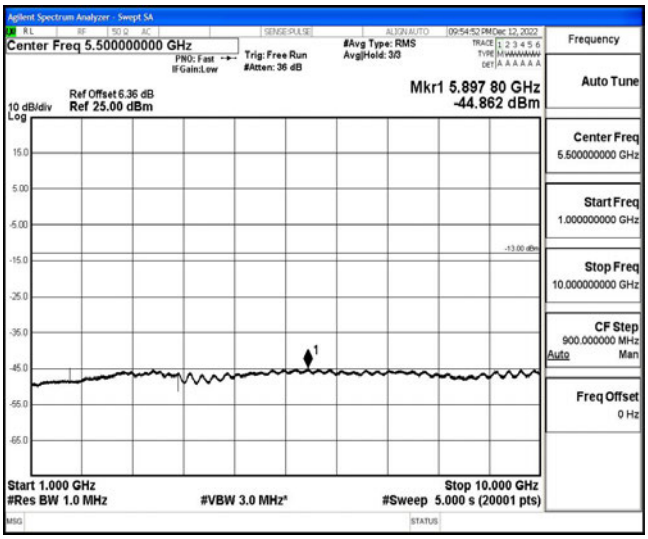
Band5-1.4MHz-16QAM-20643-1RB#0-Range2:0.15~30MHz



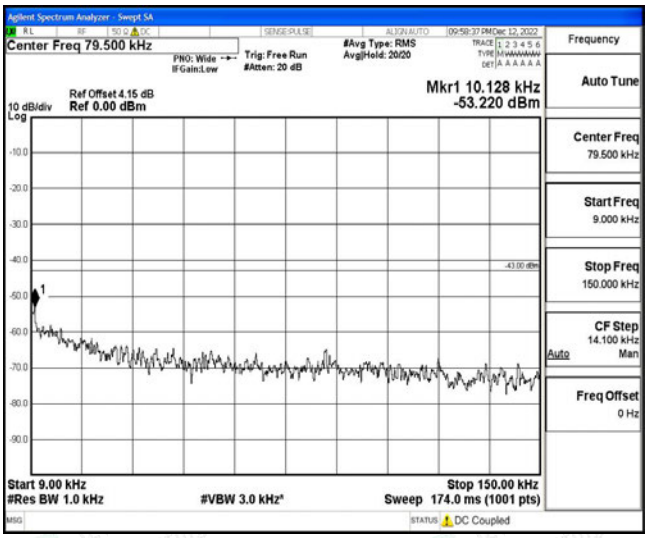
Band5-1.4MHz-16QAM-20643-1RB#0-Range3:30~1000MHz



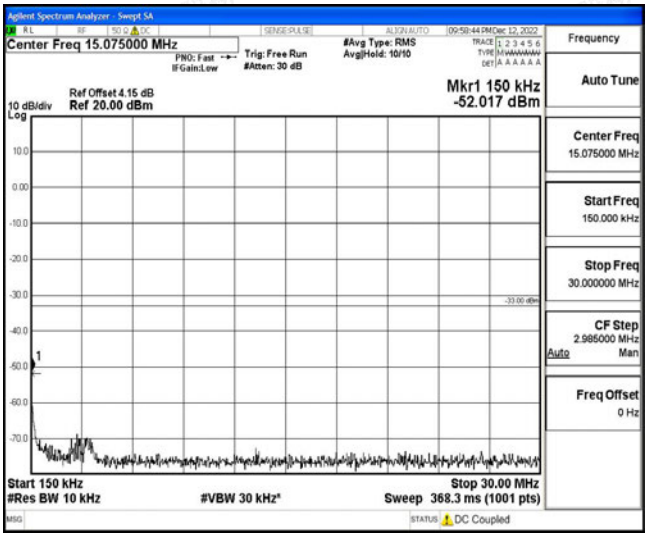
Band5-1.4MHz-16QAM-20643-1RB#0-Range4:1000~10000MHz



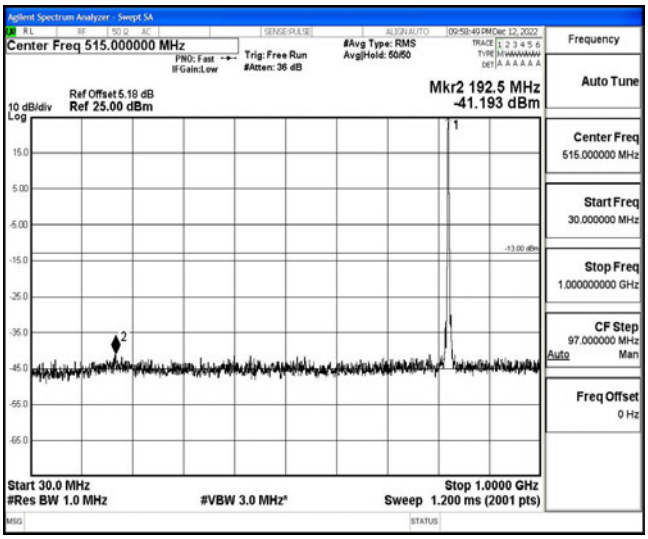
Band5-3MHz-QPSK-20415-1RB#0-Range1:0.009~0.15MHz



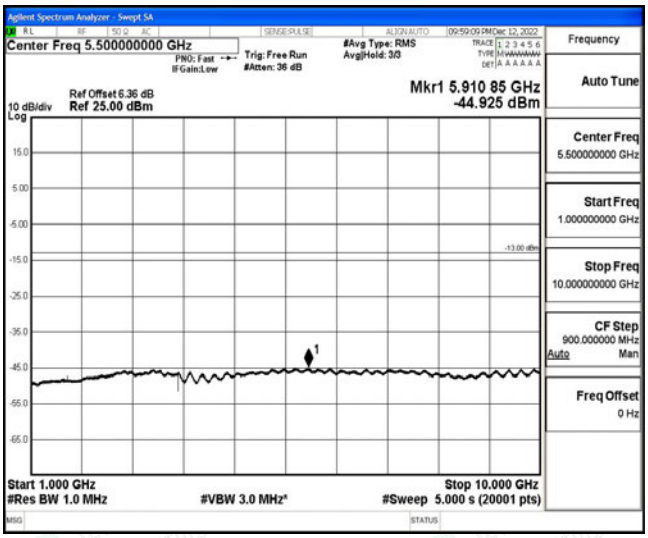
Band5-3MHz-QPSK-20415-1RB#0-Range2:0.15~30MHz



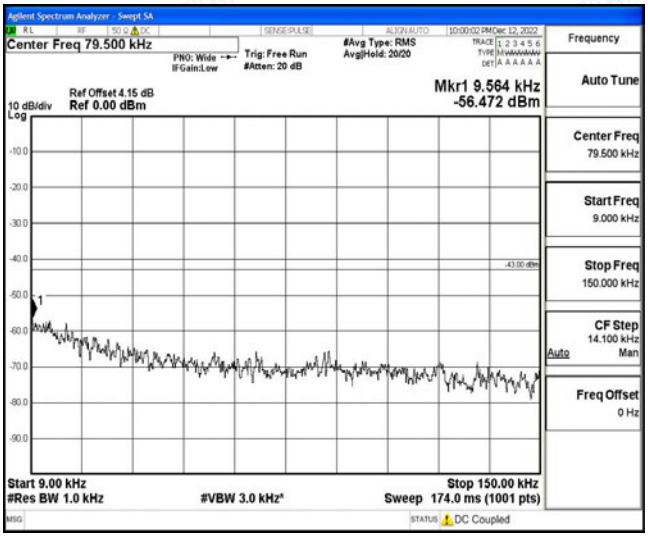
Band5-3MHz-QPSK-20415-1RB#0-Range3:30~1000MHz



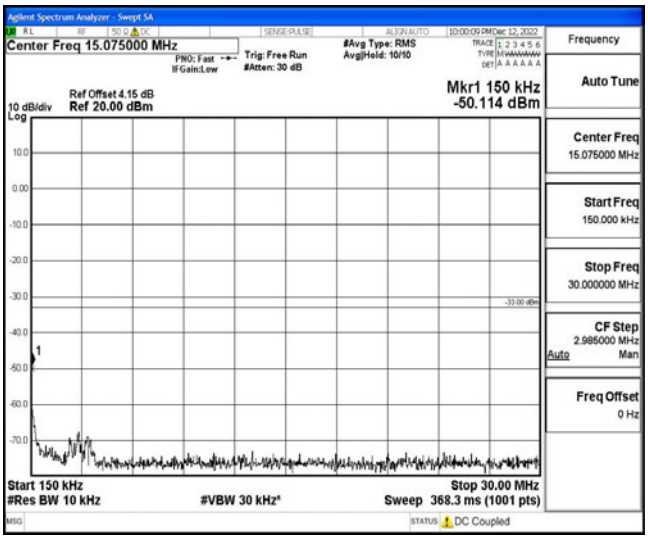
Band5-3MHz-QPSK-20415-1RB#0-Range4:1000~10000MHz



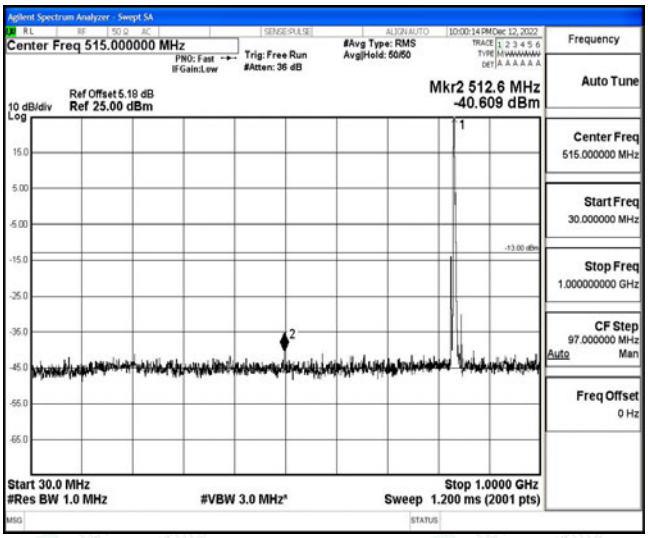
Band5-3MHz-QPSK-20525-1RB#0-Range1:0.009~0.15MHz



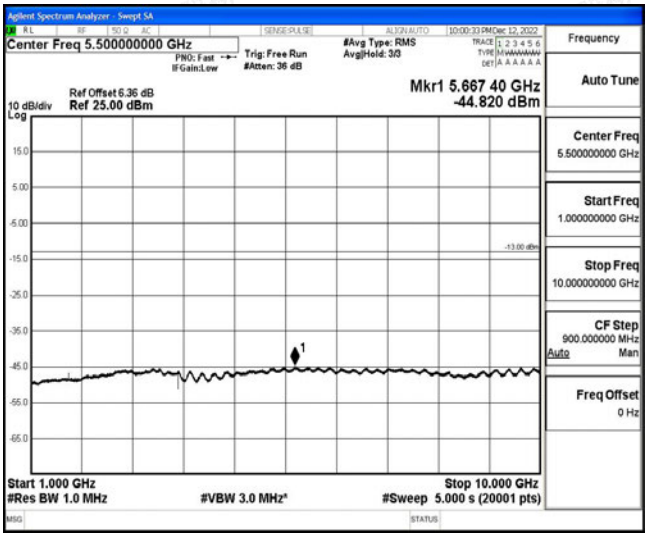
Band5-3MHz-QPSK-20525-1RB#0-Range2:0.15~30MHz



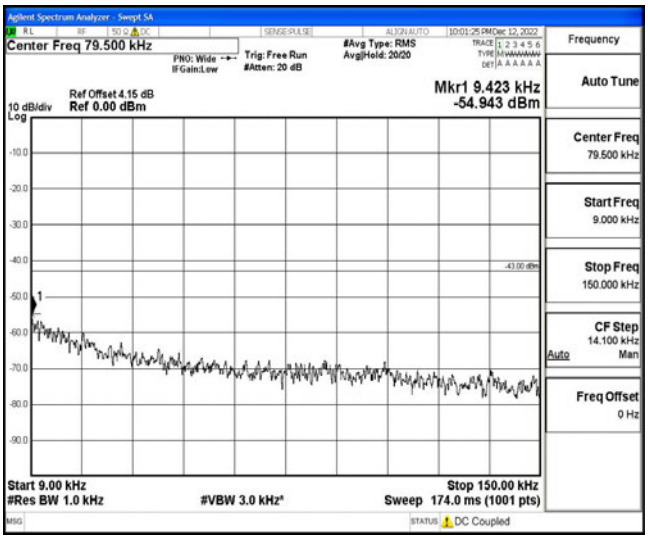
Band5-3MHz-QPSK-20525-1RB#0-Range3:30~1000MHz



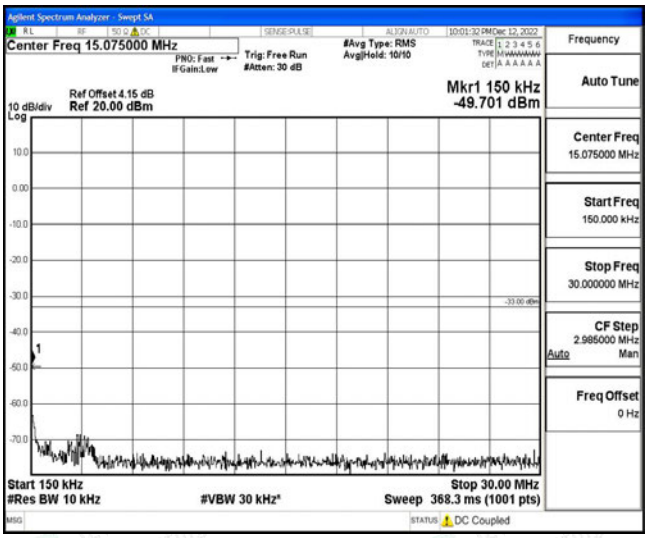
Band5-3MHz-QPSK-20525-1RB#0-Range4:1000~10000MHz



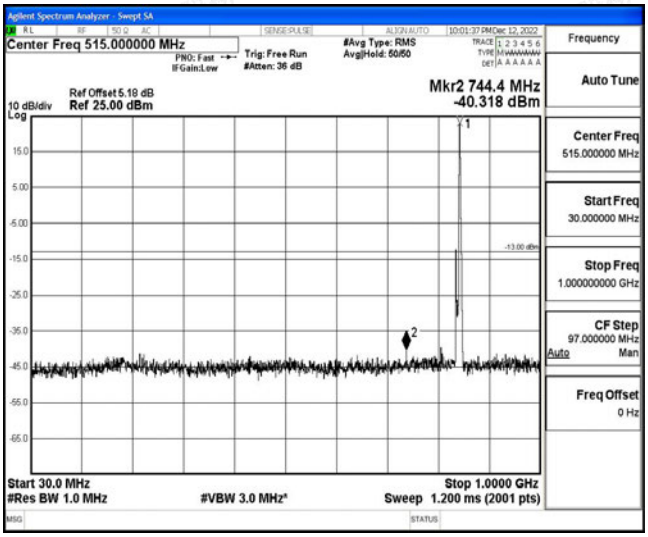
Band5-3MHz-QPSK-20635-1RB#0-Range1:0.009~0.15MHz



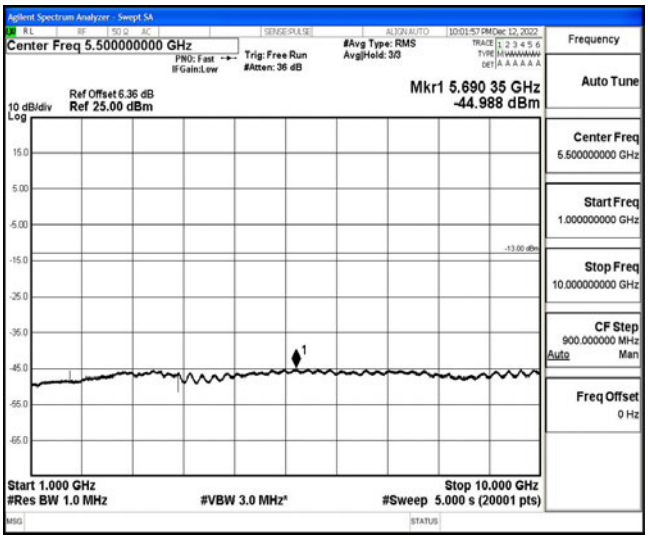
Band5-3MHz-QPSK-20635-1RB#0-Range2:0.15~30MHz



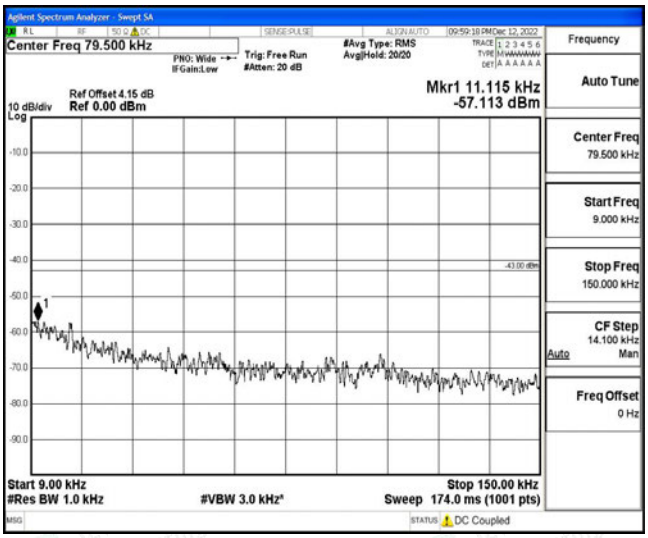
Band5-3MHz-QPSK-20635-1RB#0-Range3:30~1000MHz



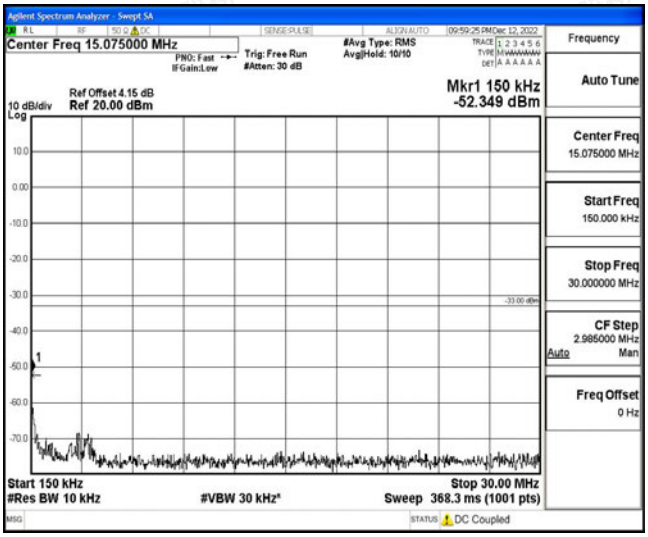
Band5-3MHz-QPSK-20635-1RB#0-Range4:1000~10000MHz



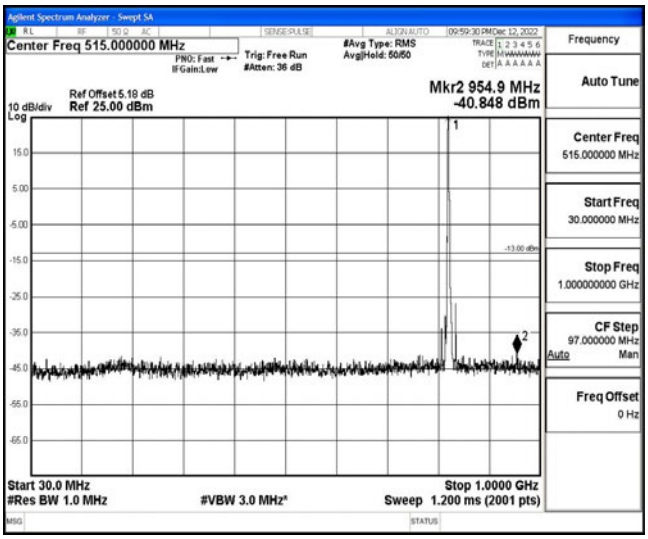
Band5-3MHz-16QAM-20415-1RB#0-Range1:0.009~0.15MHz



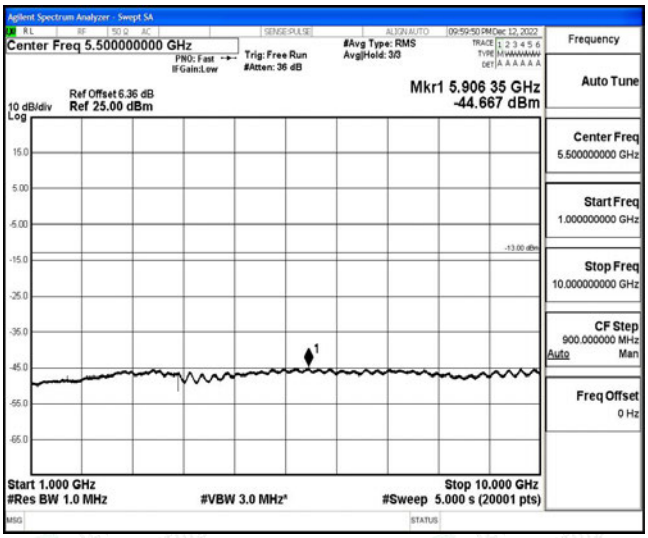
Band5-3MHz-16QAM-20415-1RB#0-Range2:0.15~30MHz



Band5-3MHz-16QAM-20415-1RB#0-Range3:30~1000MHz



Band5-3MHz-16QAM-20415-1RB#0-Range4:1000~10000MHz



Band5-3MHz-16QAM-20525-1RB#0-Range1:0.009~0.15MHz