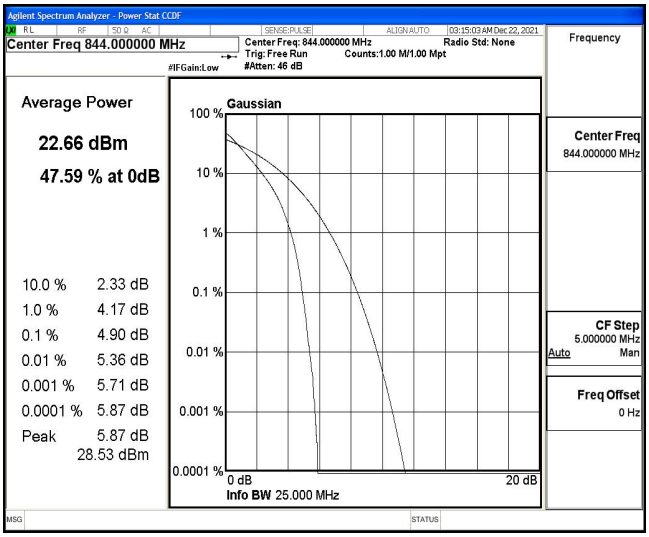
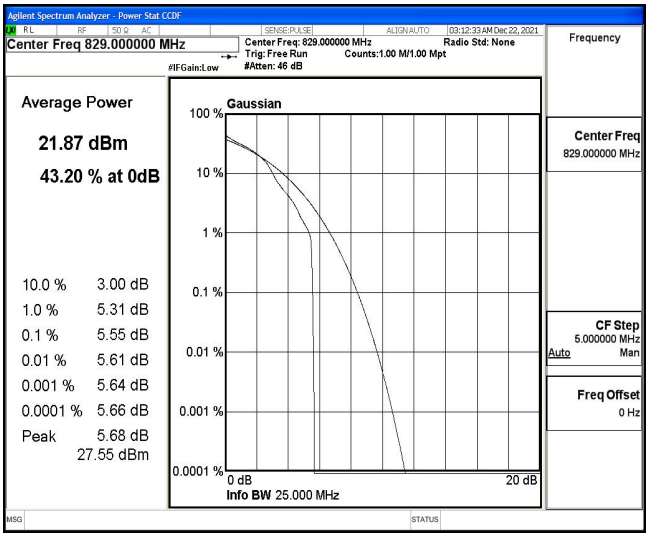
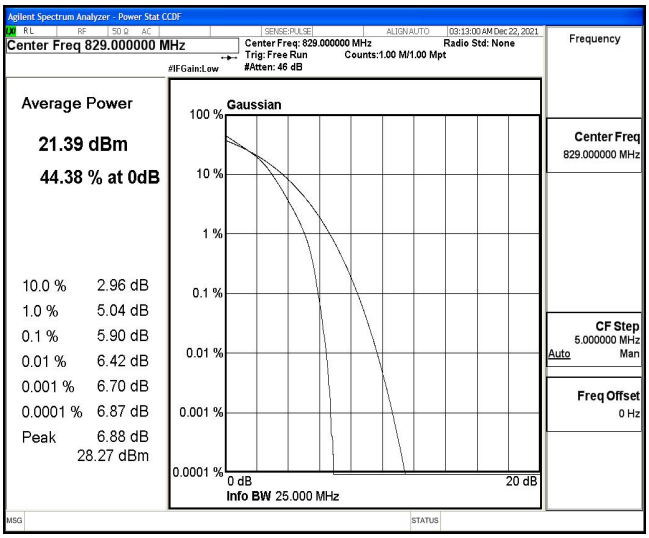


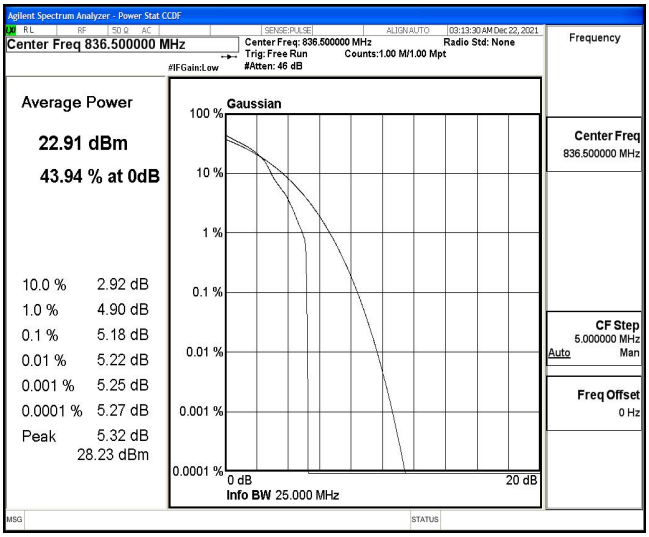
Band5-10MHz-16QAM-20450-1RB#0



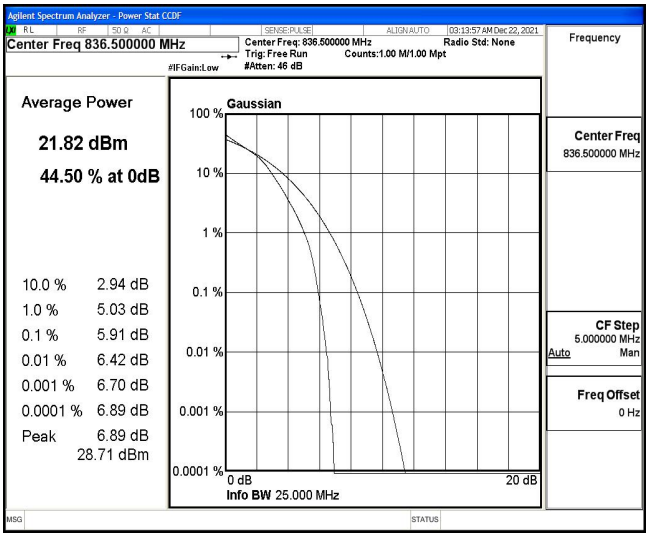
Band5-10MHz-16QAM-20450-50RB#0



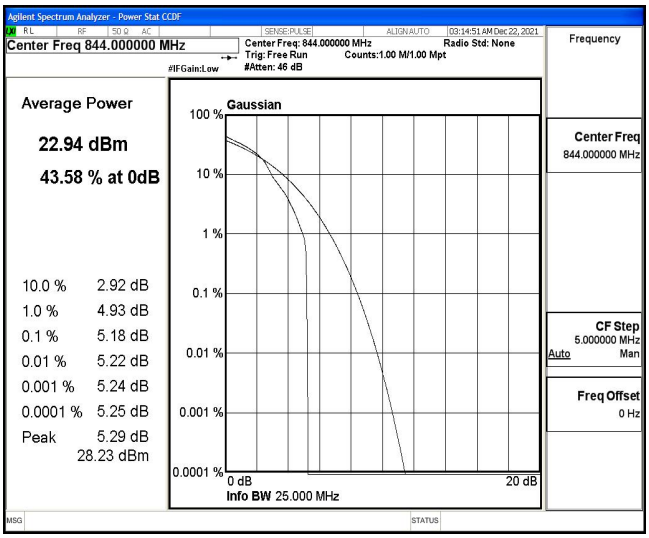
Band5-10MHz-16QAM-20525-1RB#0



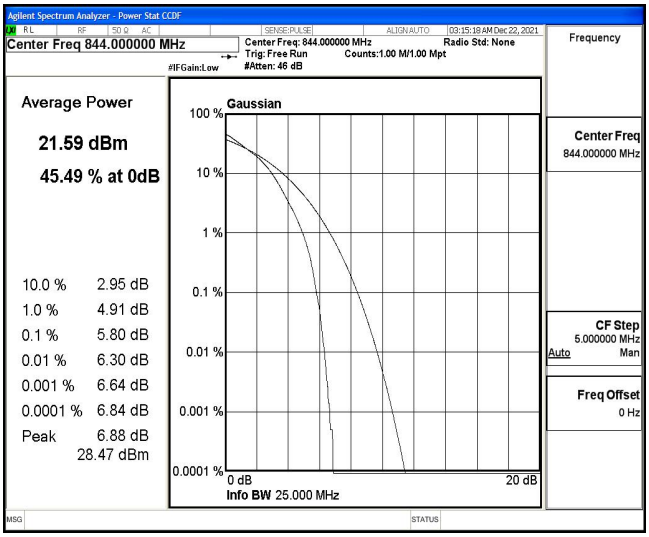
Band5-10MHz-16QAM-20525-50RB#0



Band5-10MHz-16QAM-20600-1RB#0



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

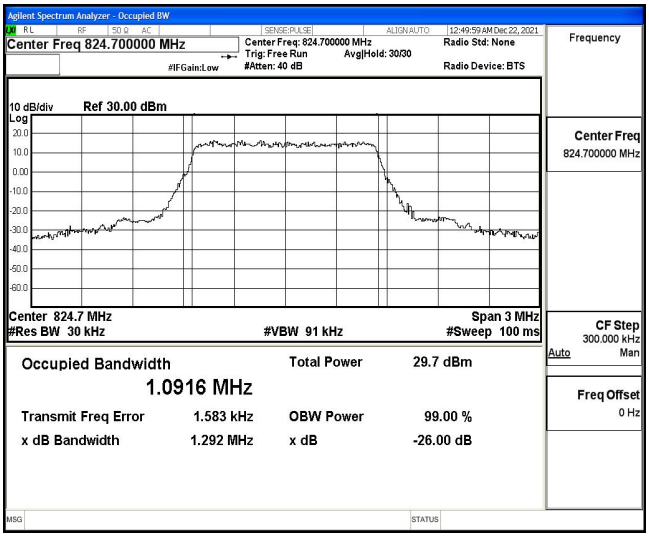
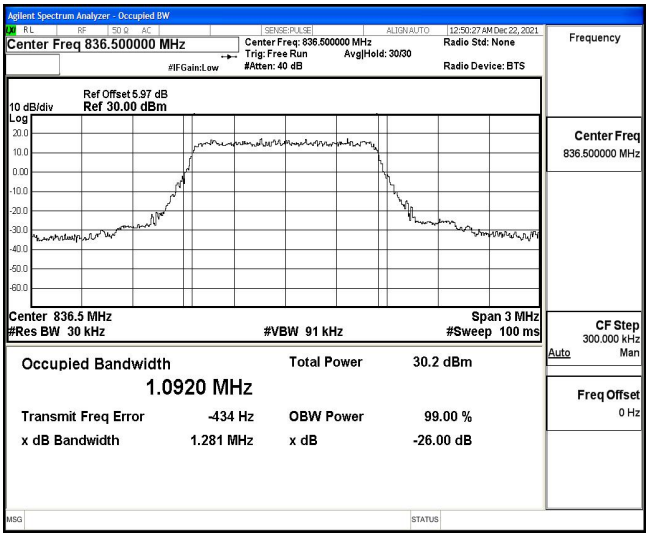

Agilent Spectrum Analyzer - Power Stat CCDF
Center Freq 844.000000 MHz
Center Freq: 844.000000 MHz
Trig: Free Run
#Atten: 46 dB
Counts:1.00 M/1.00 Mpt
Radio Std: None
Frequency
Average Power
21.59 dBm
45.49 % at 0dB
10.0 % 2.95 dB
1.0 % 4.91 dB
0.1 % 5.80 dB
0.01 % 6.30 dB
0.001 % 6.64 dB
0.0001 % 6.84 dB
Peak 6.88 dB
28.47 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

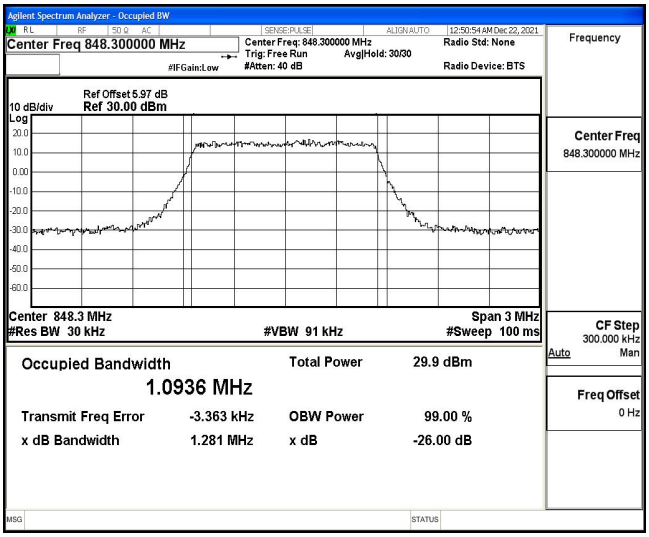
F.3 26dB Bandwidth and Occupied Bandwidth

Test Result

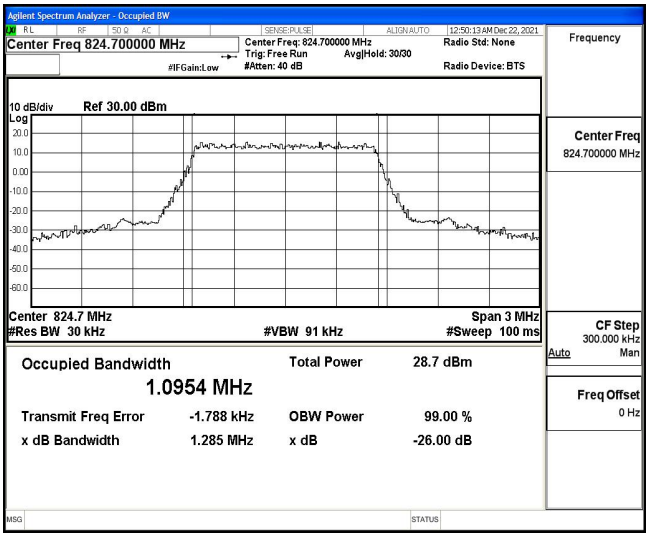
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0916	1.292	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0920	1.281	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0936	1.281	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0954	1.285	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0945	1.275	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0933	1.282	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6996	2.940	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7038	3.002	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6993	2.972	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6905	2.942	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6957	2.948	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6857	2.969	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5089	5.024	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5053	5.022	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.4992	4.992	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5152	5.012	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5016	5.014	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5016	4.998	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9688	9.821	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9679	9.864	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9647	9.845	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9656	9.818	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9667	9.885	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9421	9.784	PASS

Test Graphs

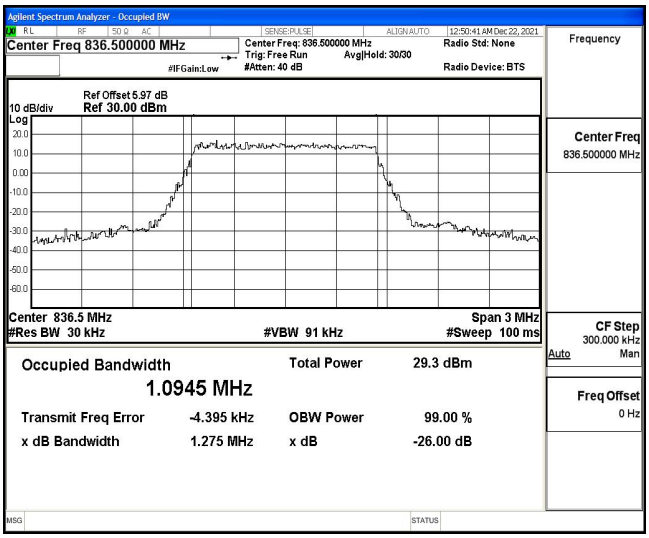
Band5-1.4MHz-QPSK-20407-6RB#0

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

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



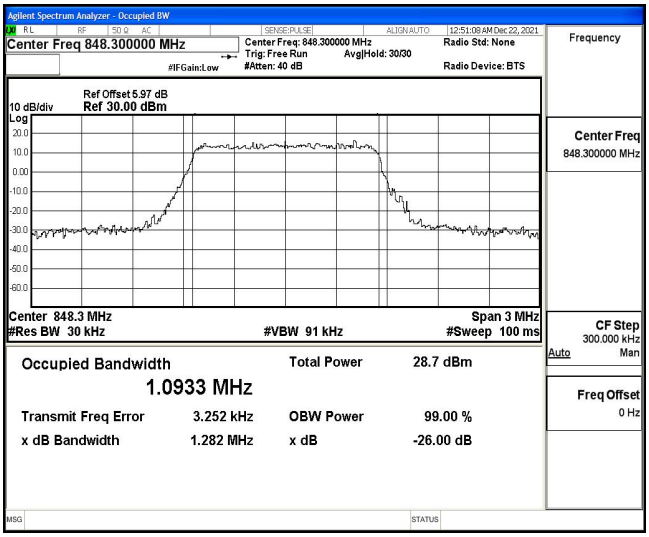
Band5-1.4MHz-16QAM-20407-6RB#0



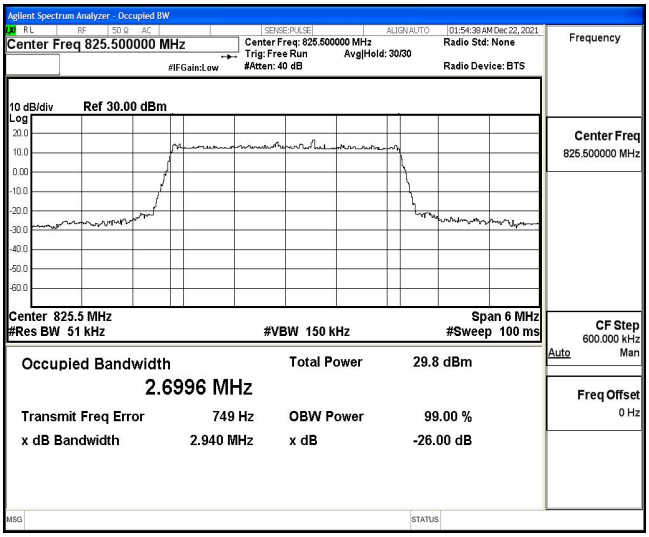
Band5-1.4MHz-16QAM-20525-6RB#0



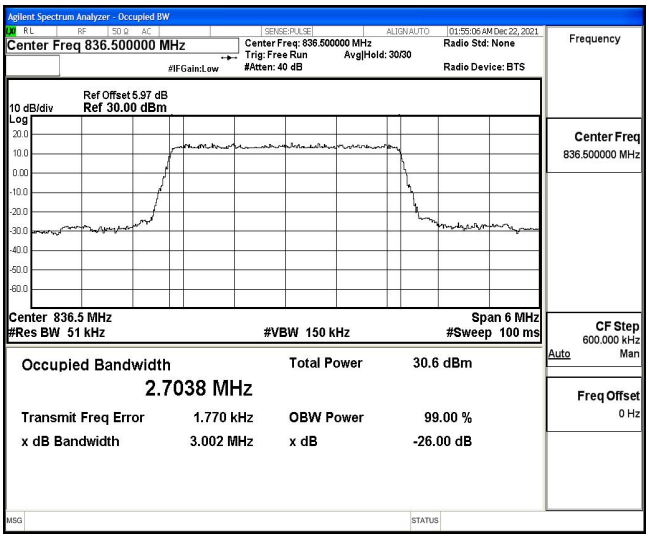
Band5-1.4MHz-16QAM-20643-6RB#0



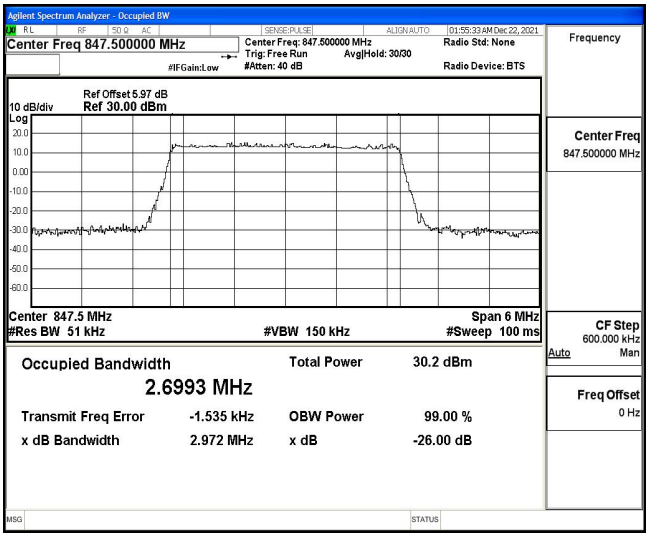
Band5-3MHz-QPSK-20415-15RB#0



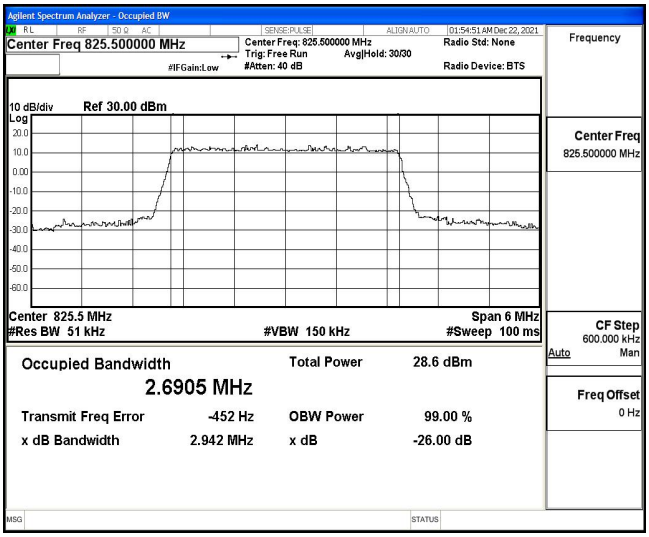
Band5-3MHz-QPSK-20525-15RB#0



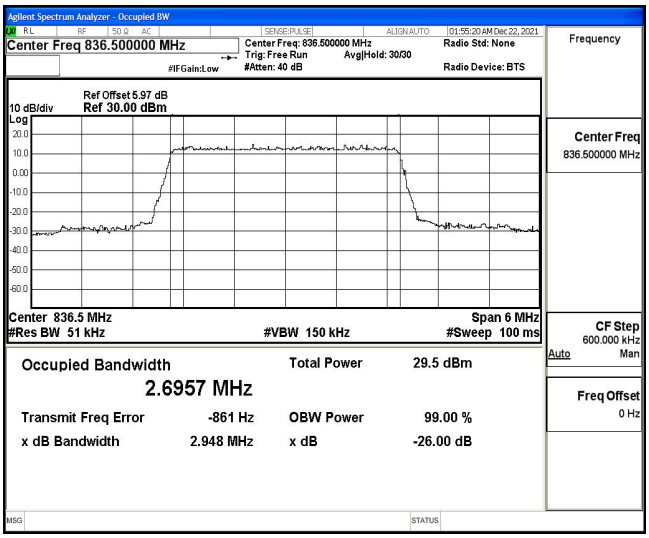
Band5-3MHz-QPSK-20635-15RB#0



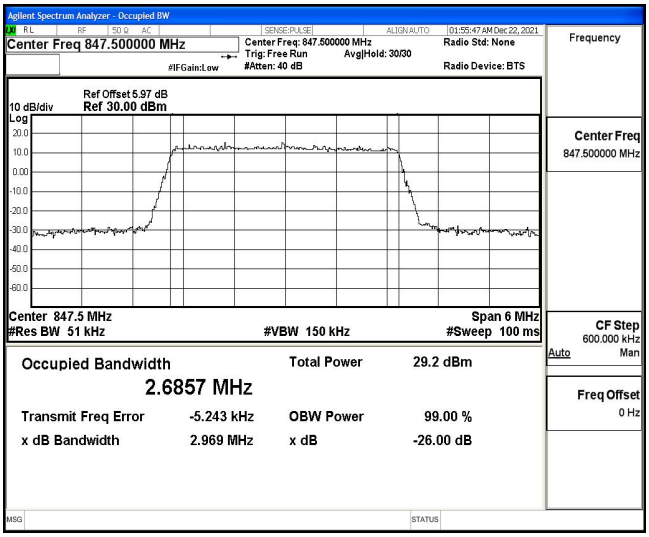
Band5-3MHz-16QAM-20415-15RB#0



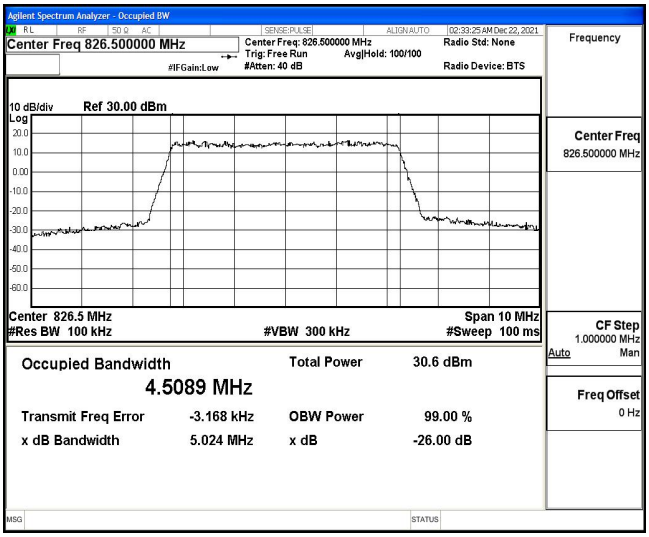
Band5-3MHz-16QAM-20525-15RB#0



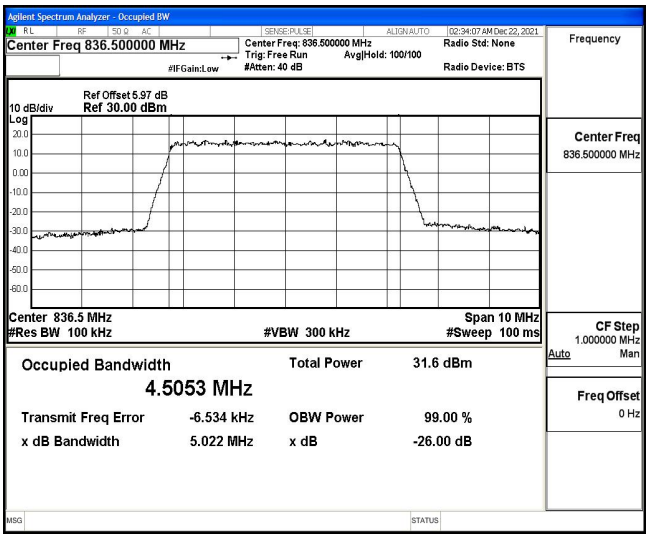
Band5-3MHz-16QAM-20635-15RB#0



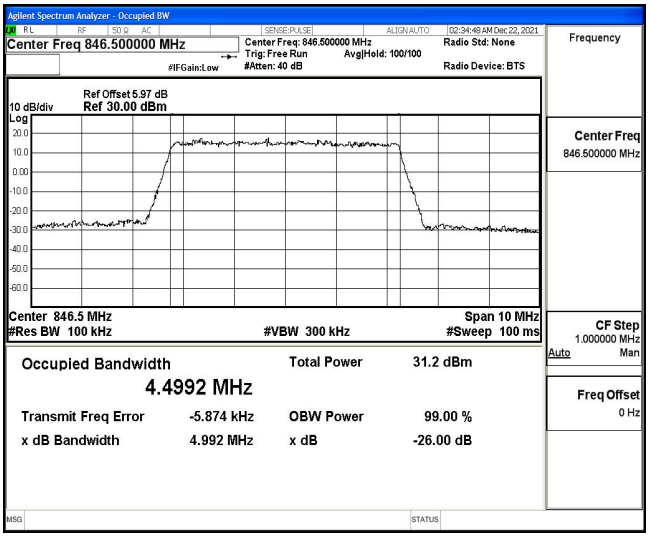
Band5-5MHz-QPSK-20425-25RB#0



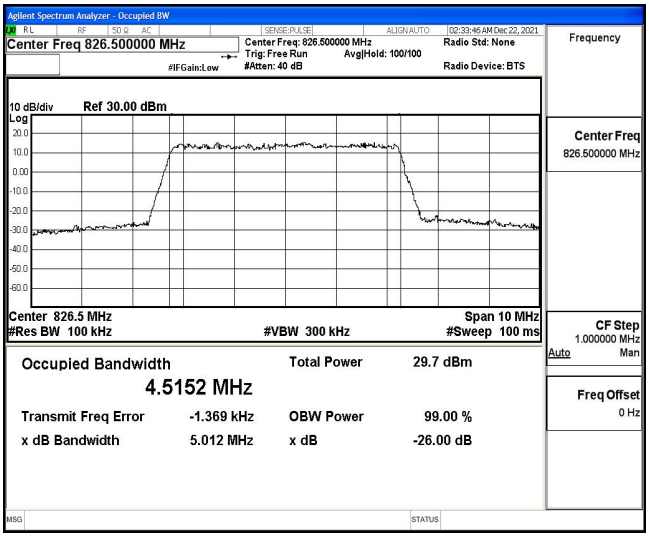
Band5-5MHz-QPSK-20525-25RB#0



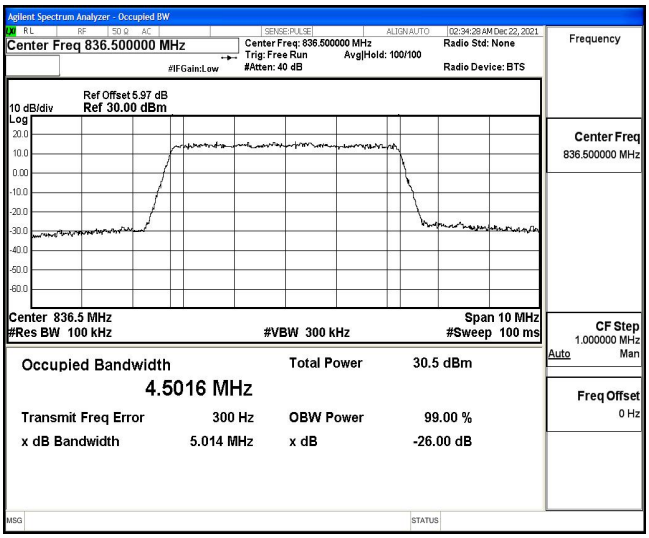
Band5-5MHz-QPSK-20625-25RB#0



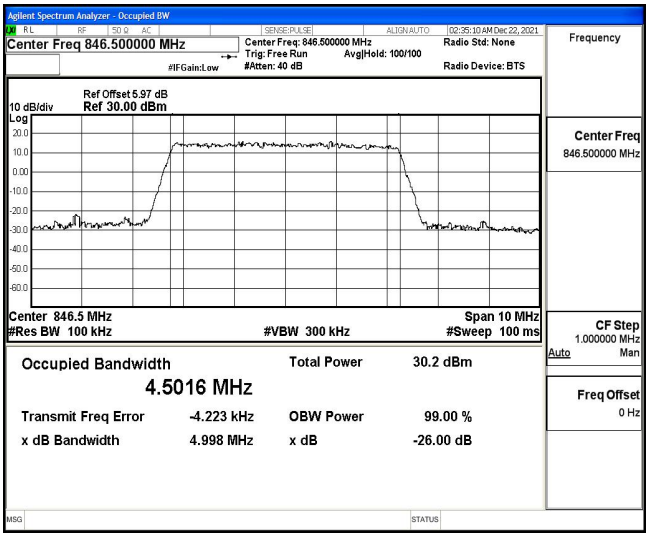
Band5-5MHz-16QAM-20425-25RB#0



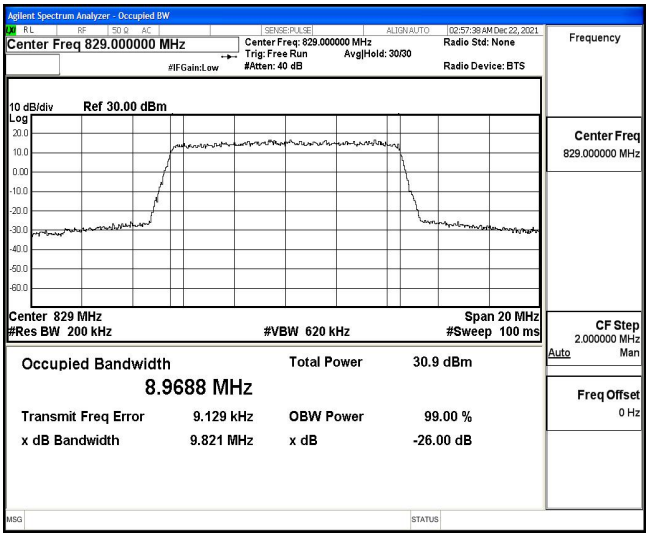
Band5-5MHz-16QAM-20525-25RB#0



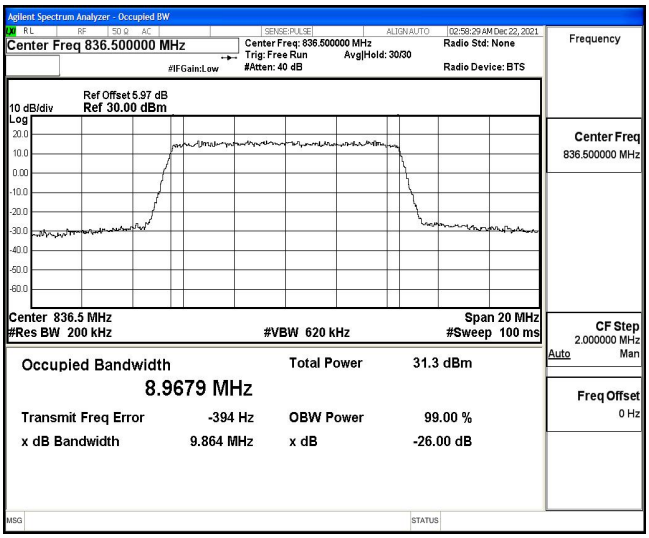
Band5-5MHz-16QAM-20625-25RB#0



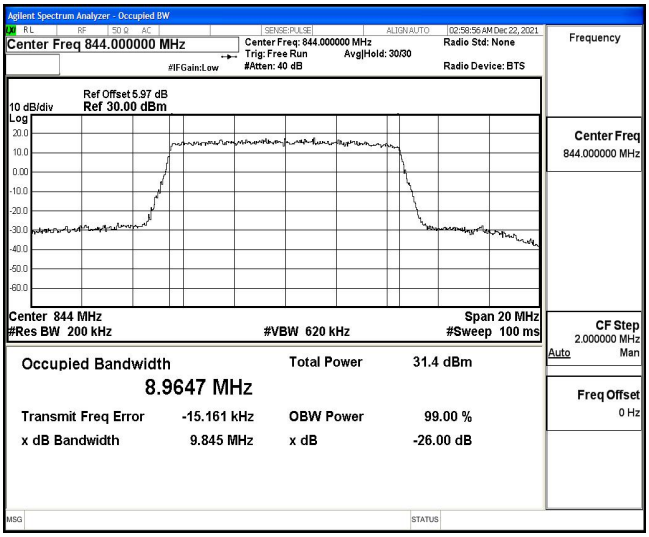
Band5-10MHz-QPSK-20450-50RB#0



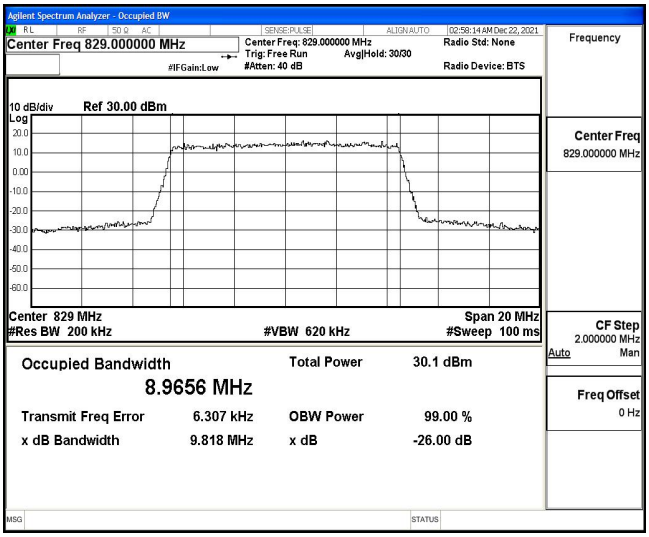
Band5-10MHz-QPSK-20525-50RB#0



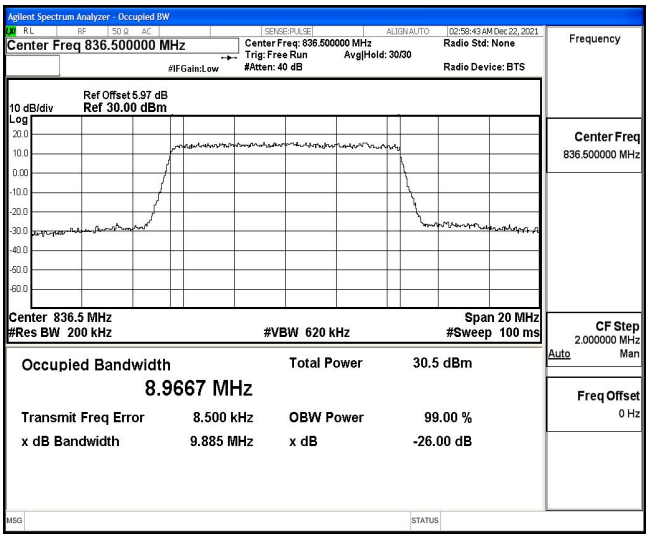
Band5-10MHz-QPSK-20600-50RB#0



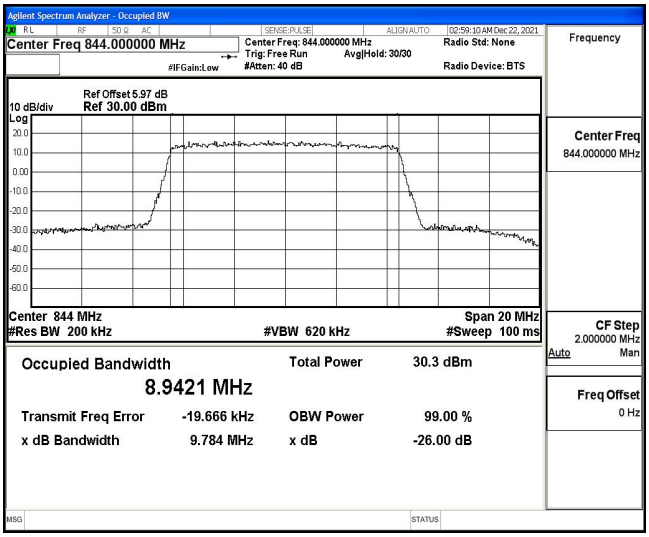
Band5-10MHz-16QAM-20450-50RB#0



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
#IFGain:Low
Radio Std: None
Radio Device: BTS
Frequency
Ref Offset 5.97 dB
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
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
8.9421 MHz
Total Power
30.3 dBm
Transmit Freq Error
-19.666 kHz
OBW Power
99.00 %
x dB Bandwidth
9.784 MHz
x dB
-26.00 dB
Freq Offset
0 Hz
MSG
STATUS

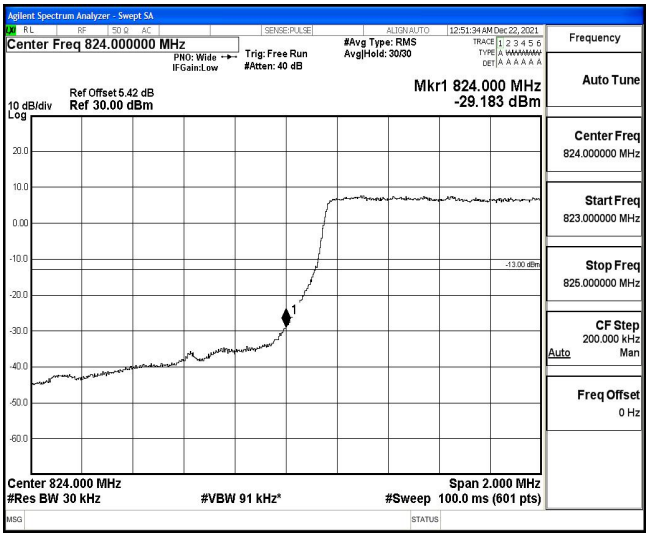
F.4 Band Edge

Test Result

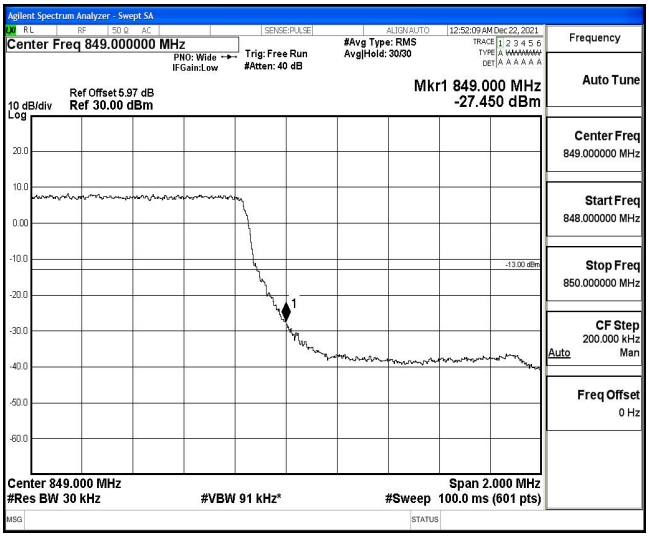
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	-29.18	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-27.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-29.27	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-29.52	PASS
Band5	3MHz	QPSK	20415	15RB#0	-25.20	PASS
Band5	3MHz	QPSK	20635	15RB#0	-26.41	PASS
Band5	3MHz	16QAM	20415	15RB#0	-27.88	PASS
Band5	3MHz	16QAM	20635	15RB#0	-28.85	PASS
Band5	5MHz	QPSK	20425	25RB#0	-25.27	PASS
Band5	5MHz	QPSK	20625	25RB#0	-26.26	PASS
Band5	5MHz	16QAM	20425	25RB#0	-26.77	PASS
Band5	5MHz	16QAM	20625	25RB#0	-26.76	PASS
Band5	10MHz	QPSK	20450	50RB#0	-29.40	PASS
Band5	10MHz	QPSK	20600	50RB#0	-30.08	PASS
Band5	10MHz	16QAM	20450	50RB#0	-31.11	PASS
Band5	10MHz	16QAM	20600	50RB#0	-30.76	PASS

Test Graphs

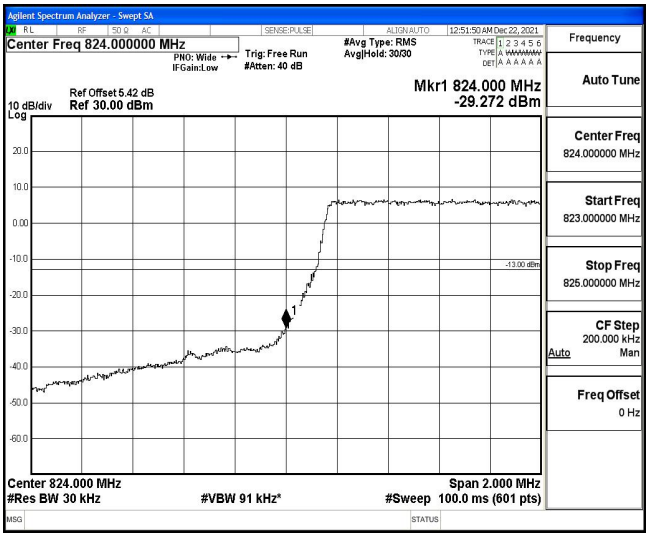
Band5-1.4MHz-QPSK-20407-6RB#0



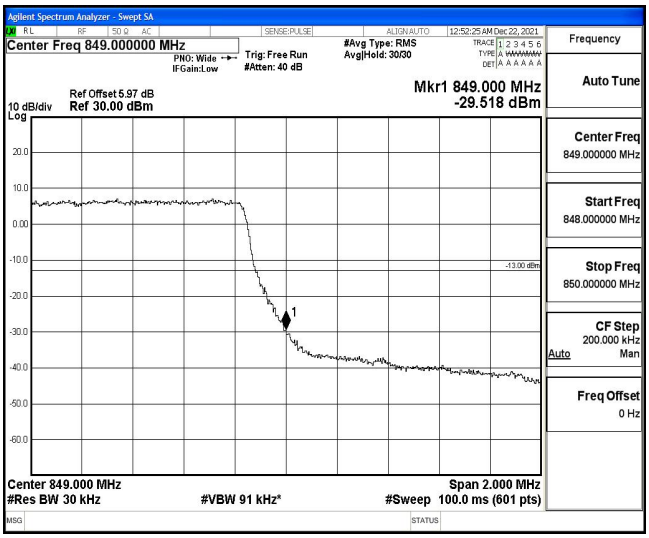
Band5-1.4MHz-QPSK-20643-6RB#0



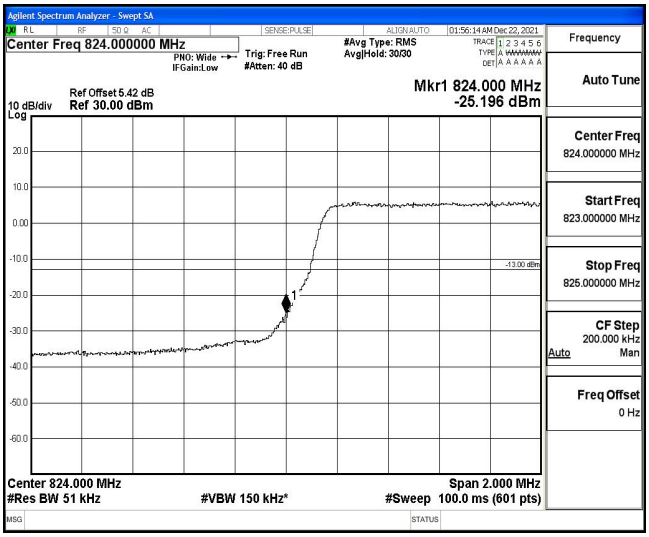
Band5-1.4MHz-16QAM-20407-6RB#0



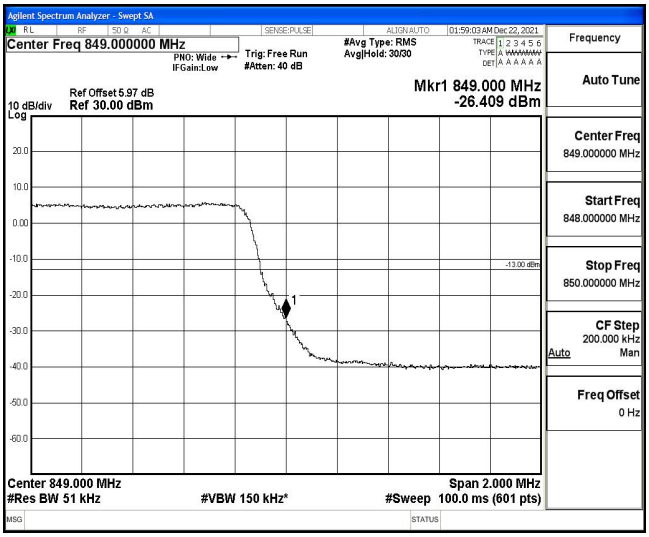
Band5-1.4MHz-16QAM-20643-6RB#0



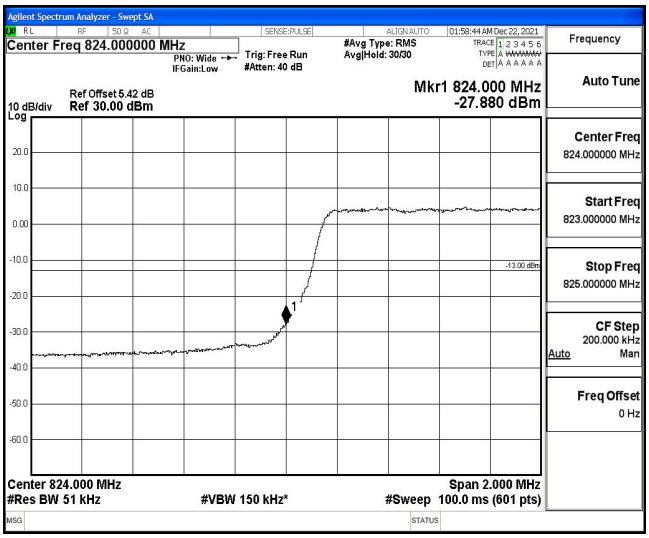
Band5-3MHz-QPSK-20415-15RB#0



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



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



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