Appendix F: Test Data for E-UTRA Band 5

Product Name: Personal Mobile Alarm System

Test Model: PAL 4

Environmental Conditions

Temperature:	23.9° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Li huan

F.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	22.74	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	22.89	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	22.74	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	22.90	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	22.94	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	22.98	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	21.82	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	22.89	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.01	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	22.89	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.00	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	22.97	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.01	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	21.92	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	22.62	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	22.74	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.65	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	22.77	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	22.74	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	22.75	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	21.65	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	21.75	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	21.91	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	21.78	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	21.71	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	21.70	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	21.71	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	20.87	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	21.79	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	21.89	PASS

Band5	1.4MHz	16QAM	20525	1RB#5	21.72	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	21.82	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	21.84	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	21.84	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	20.83	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	21.41	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	21.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	21.41	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	21.52	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	21.49	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	21.46	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	20.70	PASS
Band5	3MHz	QPSK	20415	1RB#0	22.81	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.02	PASS
Band5	3MHz	QPSK	20415	1RB#14	22.98	PASS
Band5	3MHz	QPSK	20415	8RB#0	21.92	PASS
Band5	3MHz	QPSK	20415	8RB#4	21.89	PASS
Band5	3MHz	QPSK	20415	8RB#7	21.91	PASS
Band5	3MHz	QPSK	20415	15RB#0	21.88	PASS
Band5	3MHz	QPSK	20525	1RB#0	22.94	PASS
Band5	3MHz	QPSK	20525	1RB#8	22.97	PASS
Band5	3MHz	QPSK	20525	1RB#14	22.92	PASS
Band5	3MHz	QPSK	20525	8RB#0	21.96	PASS
Band5	3MHz	QPSK	20525	8RB#4	21.95	PASS
Band5	3MHz	QPSK	20525	8RB#7	21.94	PASS
Band5	3MHz	QPSK	20525	15RB#0	21.88	PASS
Band5	3MHz	QPSK	20635	1RB#0	22.71	PASS
Band5	3MHz	QPSK	20635	1RB#8	22.73	PASS
Band5	3MHz	QPSK	20635	1RB#14	22.66	PASS
Band5	3MHz	QPSK	20635	8RB#0	21.69	PASS
Band5	3MHz	QPSK	20635	8RB#4	21.69	PASS
Band5	3MHz	QPSK	20635	8RB#7	21.65	PASS
Band5	3MHz	QPSK	20635	15RB#0	21.68	PASS
Band5	3MHz	16QAM	20415	1RB#0	21.94	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.00	PASS

Band5	3MHz	16QAM	20415	1RB#14	21.96	PASS
Band5	3MHz	16QAM	20415	8RB#0	21.03	PASS
Band5	3MHz	16QAM	20415	8RB#4	20.98	PASS
Band5	3MHz	16QAM	20415	8RB#7	20.99	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.00	PASS
Band5	3MHz	16QAM	20525	1RB#0	21.98	PASS
Band5	3MHz	16QAM	20525	1RB#8	21.99	PASS
Band5	3MHz	16QAM	20525	1RB#14	21.92	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.05	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.08	PASS
Band5	3MHz	16QAM	20525	8RB#7	20.94	PASS
Band5	3MHz	16QAM	20525	15RB#0	20.85	PASS
Band5	3MHz	16QAM	20635	1RB#0	21.60	PASS
Band5	3MHz	16QAM	20635	1RB#8	21.72	PASS
Band5	3MHz	16QAM	20635	1RB#14	21.55	PASS
Band5	3MHz	16QAM	20635	8RB#0	20.82	PASS
Band5	3MHz	16QAM	20635	8RB#4	20.78	PASS
Band5	3MHz	16QAM	20635	8RB#7	20.75	PASS
Band5	3MHz	16QAM	20635	15RB#0	20.81	PASS
Band5	5MHz	QPSK	20425	1RB#0	22.83	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.05	PASS
Band5	5MHz	QPSK	20425	1RB#24	22.94	PASS
Band5	5MHz	QPSK	20425	12RB#0	21.92	PASS
Band5	5MHz	QPSK	20425	12RB#6	21.95	PASS
Band5	5MHz	QPSK	20425	12RB#13	21.96	PASS
Band5	5MHz	QPSK	20425	25RB#0	21.95	PASS
Band5	5MHz	QPSK	20525	1RB#0	22.89	PASS
Band5	5MHz	QPSK	20525	1RB#12	22.99	PASS
Band5	5MHz	QPSK	20525	1RB#24	22.80	PASS
Band5	5MHz	QPSK	20525	12RB#0	21.97	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.01	PASS
Band5	5MHz	QPSK	20525	12RB#13	21.87	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.01	PASS
Band5	5MHz	QPSK	20625	1RB#0	22.77	PASS
Band5	5MHz	QPSK	20625	1RB#12	22.82	PASS

Band5	5MHz	QPSK	20625	1RB#24	22.63	PASS
Band5	5MHz	QPSK	20625	12RB#0	21.84	PASS
Band5	5MHz	QPSK	20625	12RB#6	21.81	PASS
Band5	5MHz	QPSK	20625	12RB#13	21.76	PASS
Band5	5MHz	QPSK	20625	25RB#0	21.77	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.75	PASS
Band5	5MHz	16QAM	20425	1RB#12	21.96	PASS
Band5	5MHz	16QAM	20425	1RB#24	21.85	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.00	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.01	PASS
Band5	5MHz	16QAM	20425	12RB#13	20.98	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.08	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.01	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.04	PASS
Band5	5MHz	16QAM	20525	1RB#24	21.89	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.09	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.10	PASS
Band5	5MHz	16QAM	20525	12RB#13	20.98	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.03	PASS
Band5	5MHz	16QAM	20625	1RB#0	21.65	PASS
Band5	5MHz	16QAM	20625	1RB#12	21.75	PASS
Band5	5MHz	16QAM	20625	1RB#24	21.61	PASS
Band5	5MHz	16QAM	20625	12RB#0	20.91	PASS
Band5	5MHz	16QAM	20625	12RB#6	20.88	PASS
Band5	5MHz	16QAM	20625	12RB#13	20.78	PASS
Band5	5MHz	16QAM	20625	25RB#0	20.90	PASS
Band5	10MHz	QPSK	20450	1RB#0	22.88	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.09	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.01	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.04	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.00	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.12	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.06	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.02	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.18	PASS

Band5	10MHz	QPSK	20525	1RB#49	22.86	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.05	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.02	PASS
Band5	10MHz	QPSK	20525	25RB#25	21.90	PASS
Band5	10MHz	QPSK	20525	50RB#0	21.93	PASS
Band5	10MHz	QPSK	20600	1RB#0	22.90	PASS
Band5	10MHz	QPSK	20600	1RB#24	22.96	PASS
Band5	10MHz	QPSK	20600	1RB#49	22.75	PASS
Band5	10MHz	QPSK	20600	25RB#0	21.99	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.03	PASS
Band5	10MHz	QPSK	20600	25RB#25	21.78	PASS
Band5	10MHz	QPSK	20600	50RB#0	21.86	PASS
Band5	10MHz	16QAM	20450	1RB#0	21.90	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.22	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.04	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.09	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.06	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.21	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.15	PASS
Band5	10MHz	16QAM	20525	1RB#0	21.84	PASS
Band5	10MHz	16QAM	20525	1RB#24	21.99	PASS
Band5	10MHz	16QAM	20525	1RB#49	21.78	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.09	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.14	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.07	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.09	PASS
Band5	10MHz	16QAM	20600	1RB#0	21.74	PASS
Band5	10MHz	16QAM	20600	1RB#24	21.69	PASS
Band5	10MHz	16QAM	20600	1RB#49	21.49	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.15	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.14	PASS
Band5	10MHz	16QAM	20600	25RB#25	20.87	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.02	PASS

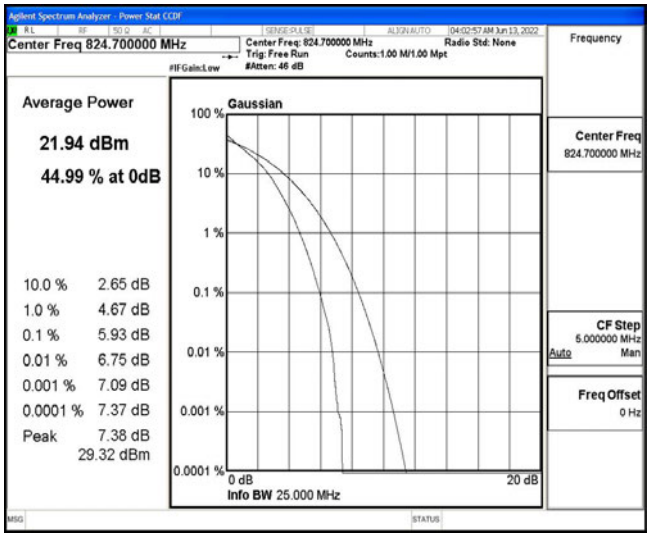
F.2 Peak-to-Average Ratio(CCDF)

Test Result

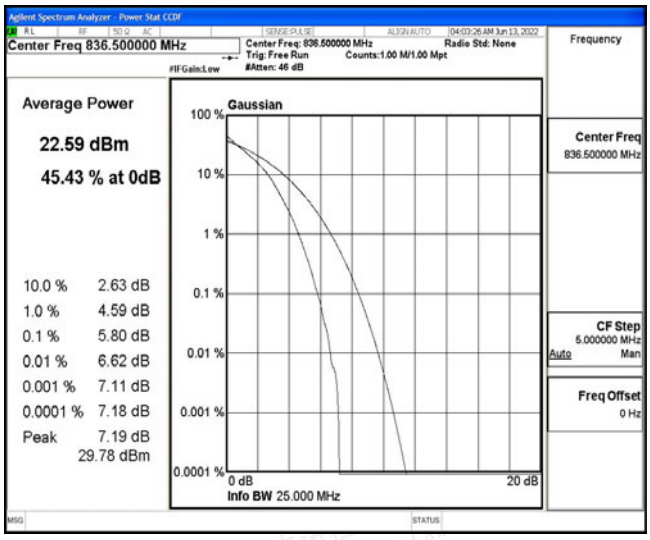
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	5.93	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.80	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.64	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.70	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.58	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	6.47	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.93	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.85	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.77	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.82	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.69	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	6.58	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	6.06	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.92	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.85	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.77	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.62	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	6.56	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.95	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.86	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.82	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.70	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.61	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.64	13	PASS

Test Graphs

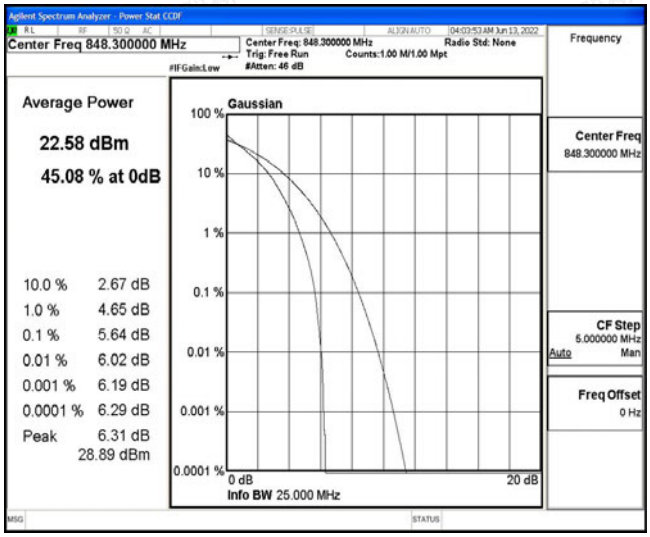
Band5-1.4MHz-QPSK-20407-6RB#0



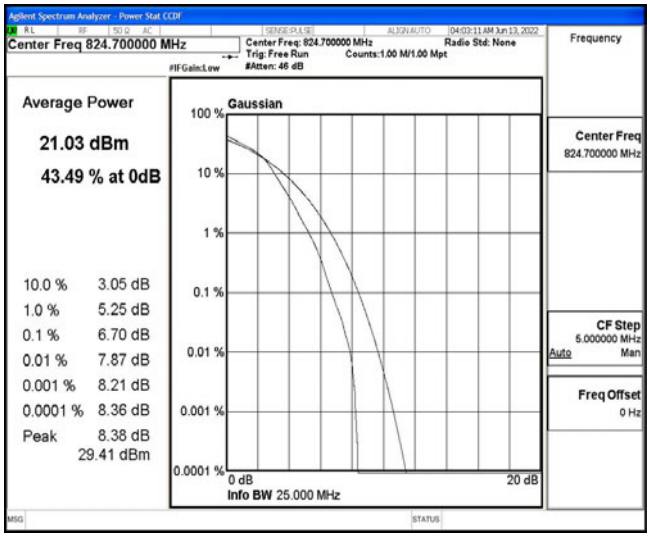
Band5-1.4MHz-QPSK-20525-6RB#0



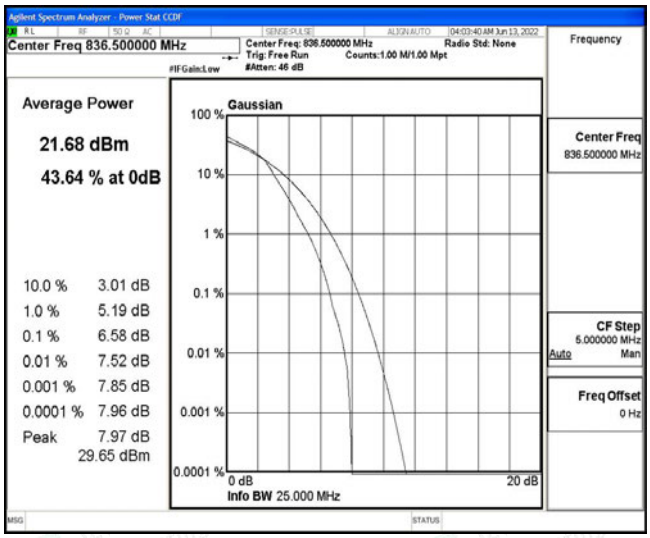
Band5-1.4MHz-QPSK-20643-6RB#0



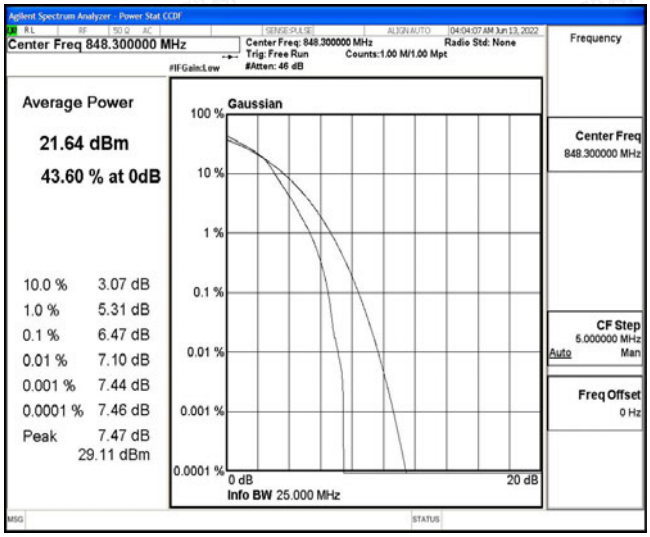
Band5-1.4MHz-16QAM-20407-6RB#0



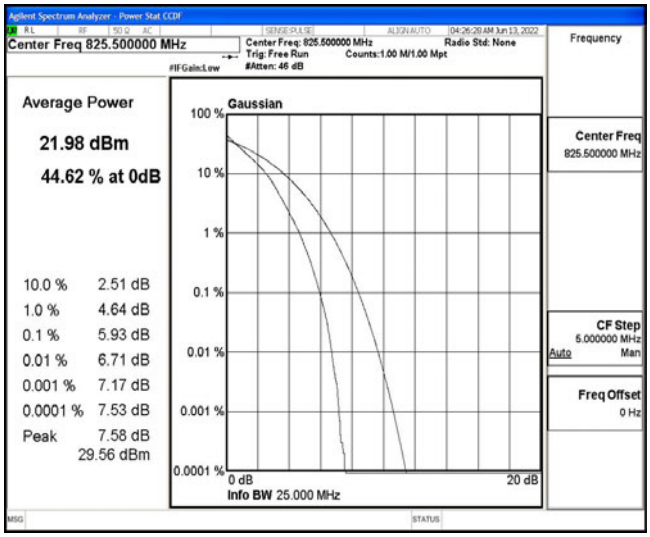
Band5-1.4MHz-16QAM-20525-6RB#0



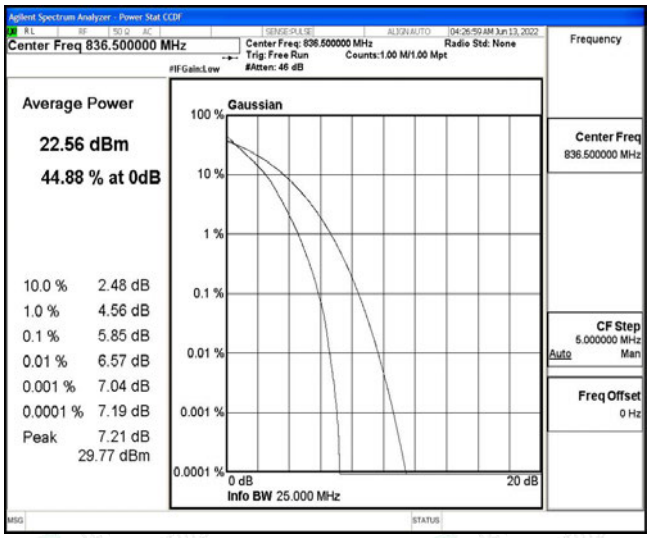
Band5-1.4MHz-16QAM-20643-6RB#0



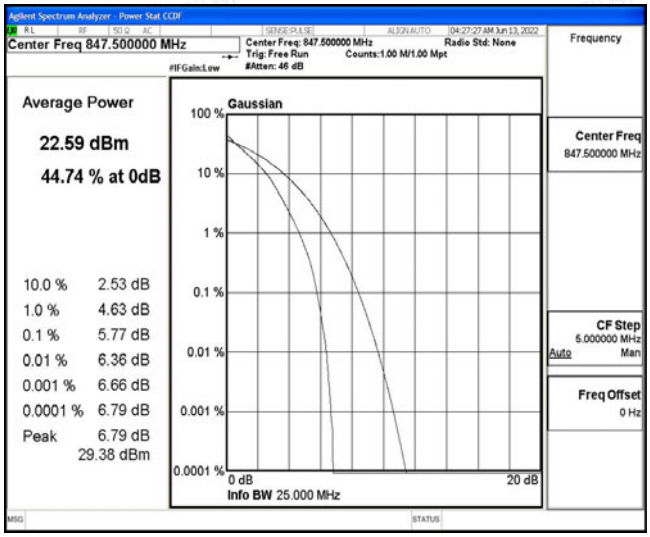
Band5-3MHz-QPSK-20415-15RB#0



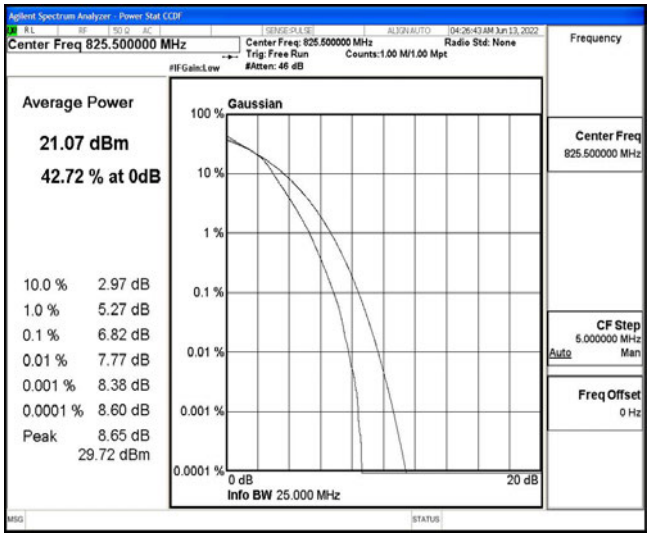
Band5-3MHz-QPSK-20525-15RB#0



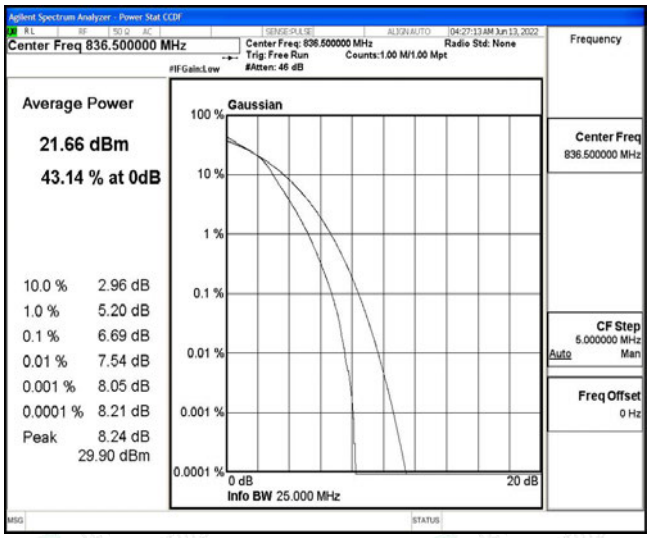
Band5-3MHz-QPSK-20635-15RB#0



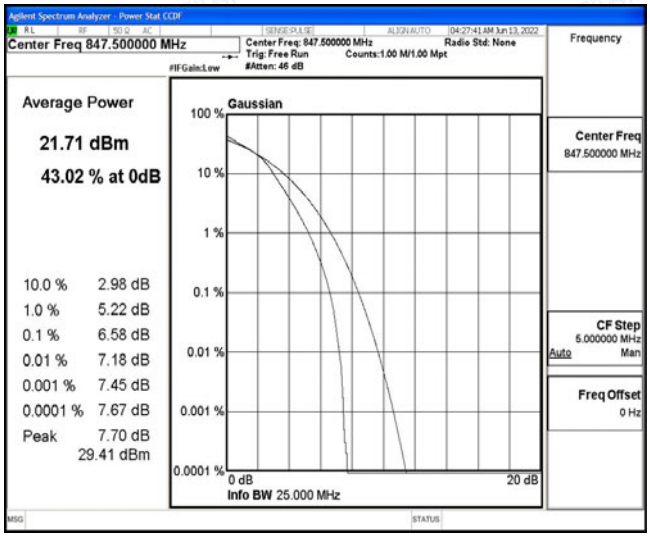
Band5-3MHz-16QAM-20415-15RB#0



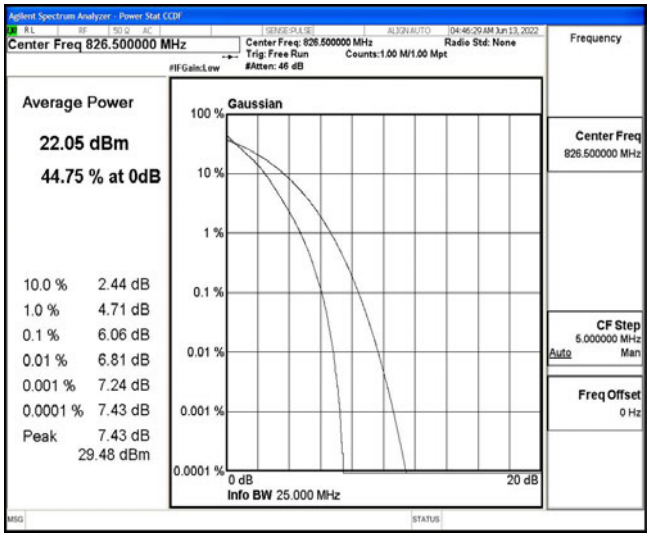
Band5-3MHz-16QAM-20525-15RB#0



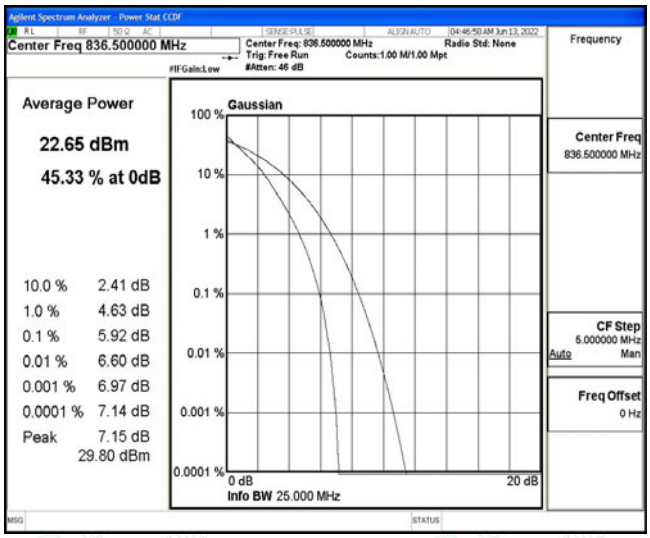
Band5-3MHz-16QAM-20635-15RB#0



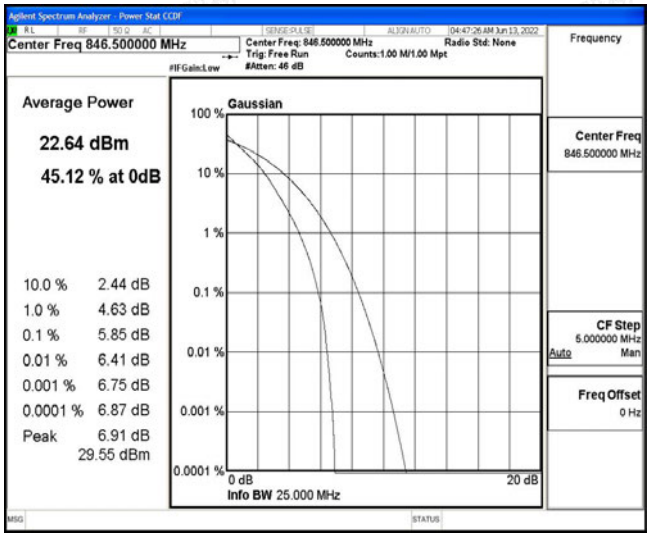
Band5-5MHz-QPSK-20425-25RB#0



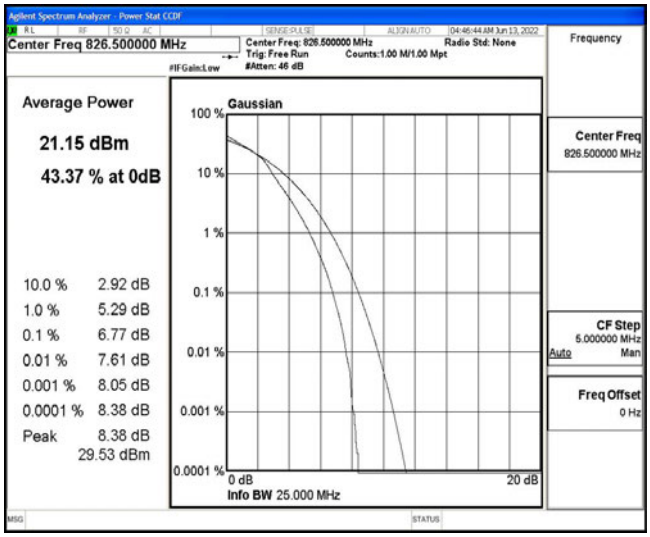
Band5-5MHz-QPSK-20525-25RB#0



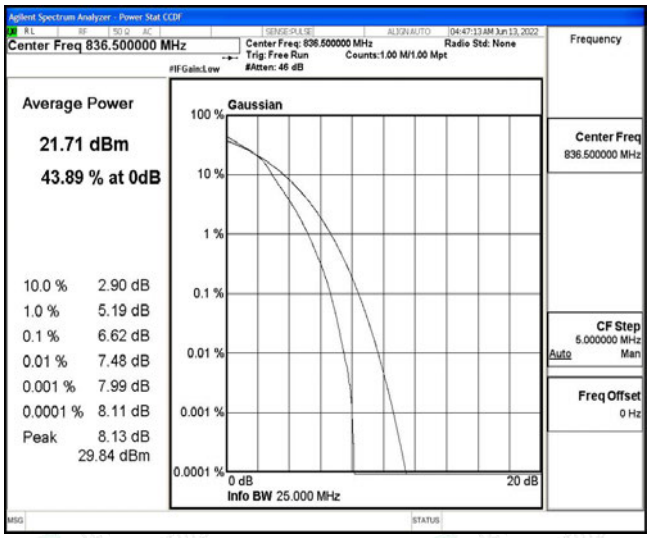
Band5-5MHz-QPSK-20625-25RB#0



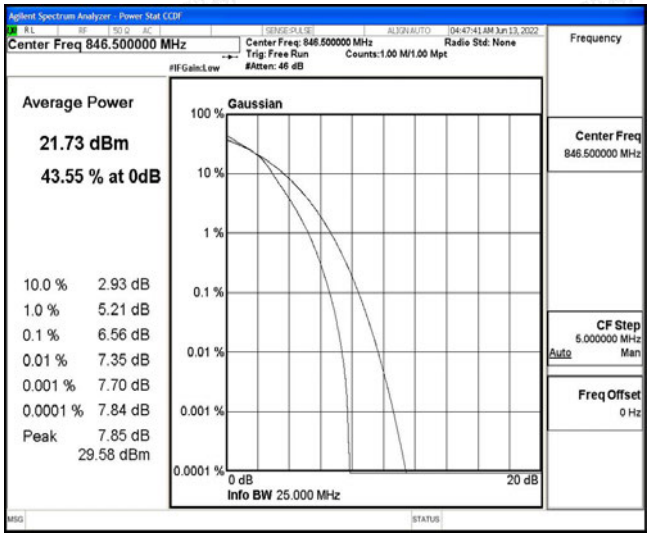
Band5-5MHz-16QAM-20425-25RB#0



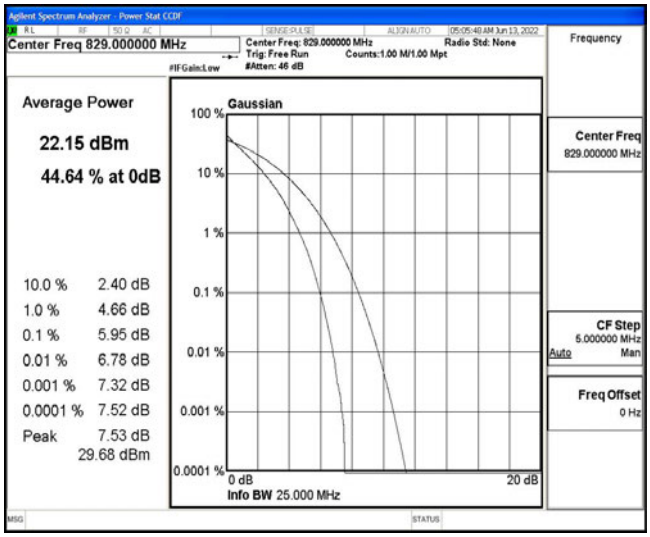
Band5-5MHz-16QAM-20525-25RB#0



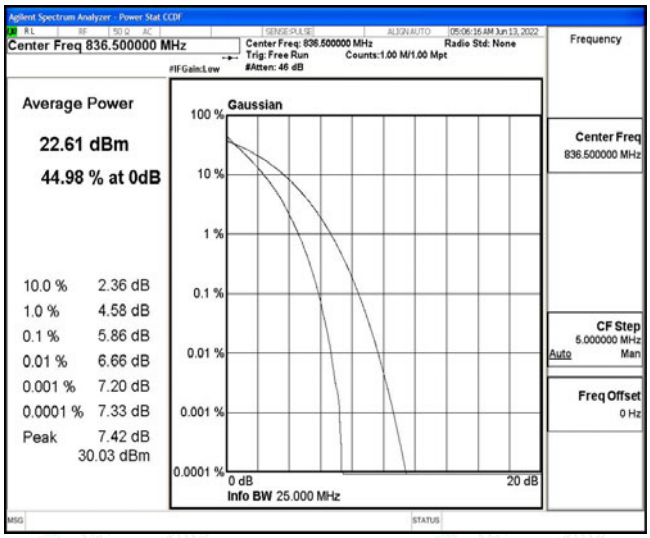
Band5-5MHz-16QAM-20625-25RB#0



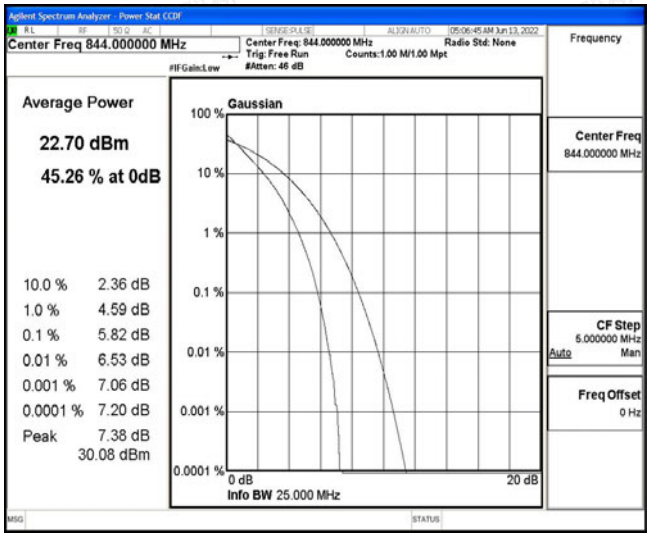
Band5-10MHz-QPSK-20450-50RB#0



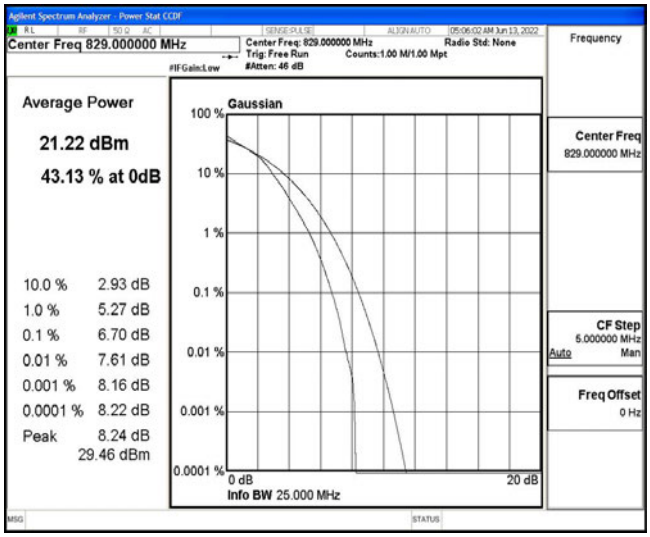
Band5-10MHz-QPSK-20525-50RB#0



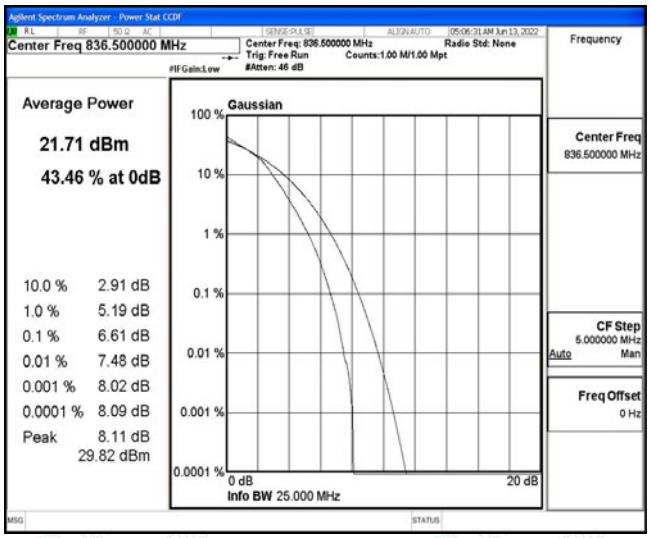
Band5-10MHz-QPSK-20600-50RB#0



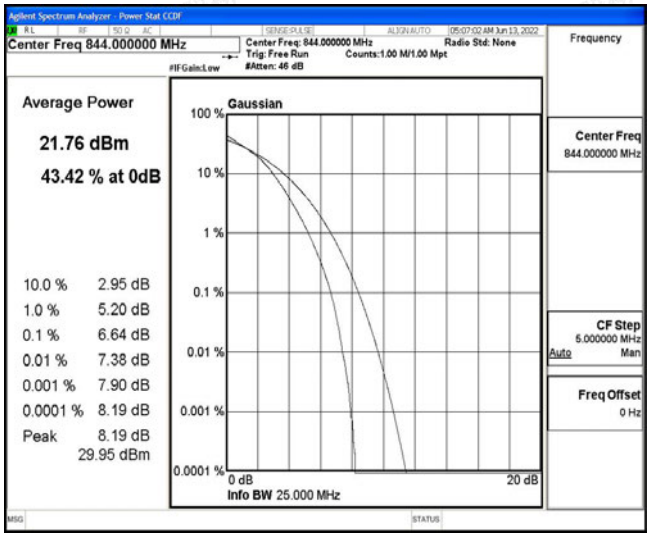
Band5-10MHz-16QAM-20450-50RB#0



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
21.76 dBm
43.42 % at 0dB
10.0 % 2.95 dB
1.0 % 5.20 dB
0.1 % 6.64 dB
0.01 % 7.38 dB
0.001 % 7.90 dB
0.0001 % 8.19 dB
Peak 8.19 dB
29.95 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

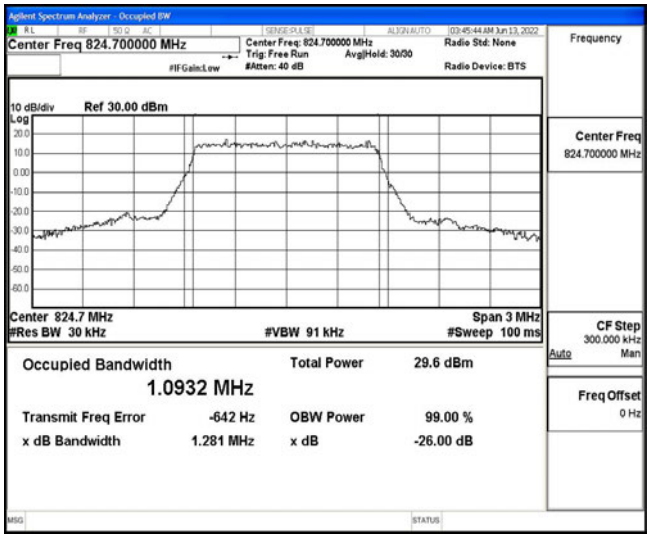
F.3 26dB Bandwidth and Occupied Bandwidth

Test Result

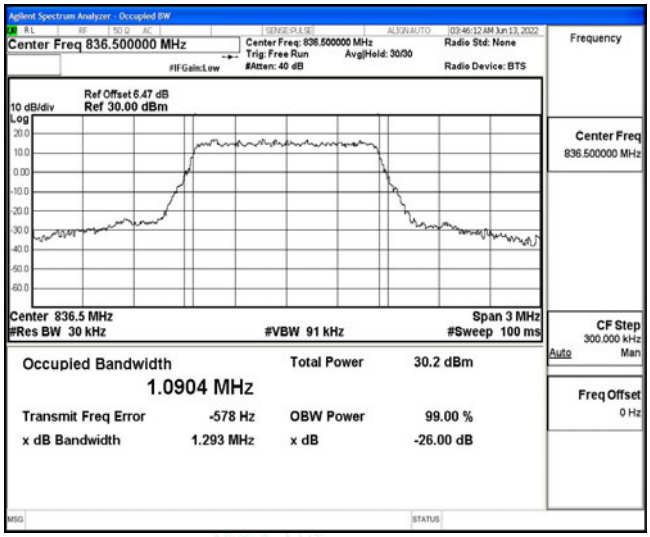
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0932	1.281	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0904	1.293	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0907	1.280	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0891	1.277	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0933	1.290	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0953	1.291	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6856	2.895	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6909	2.886	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6852	2.907	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6796	2.874	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6843	2.910	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6809	2.893	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5070	4.982	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.4974	4.911	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.4930	4.920	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.4949	4.885	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.4926	4.900	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.4862	4.962	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9915	9.836	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9860	9.823	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9745	9.741	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9974	9.777	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9728	9.711	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9640	9.781	PASS

Test Graphs

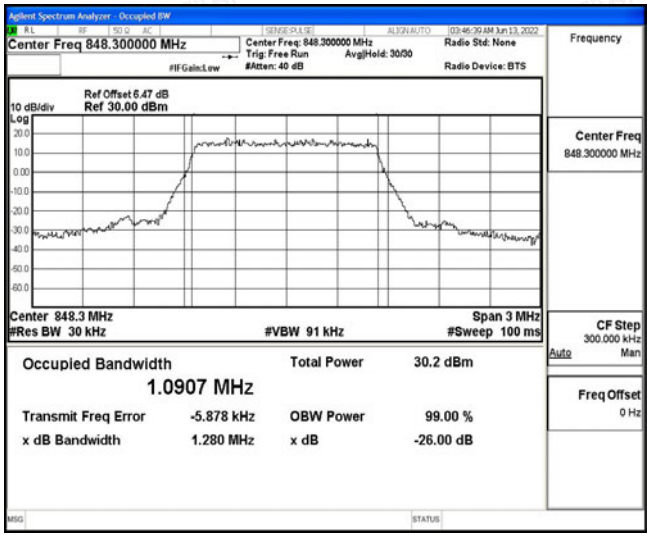
Band5-1.4MHz-QPSK-20407-6RB#0



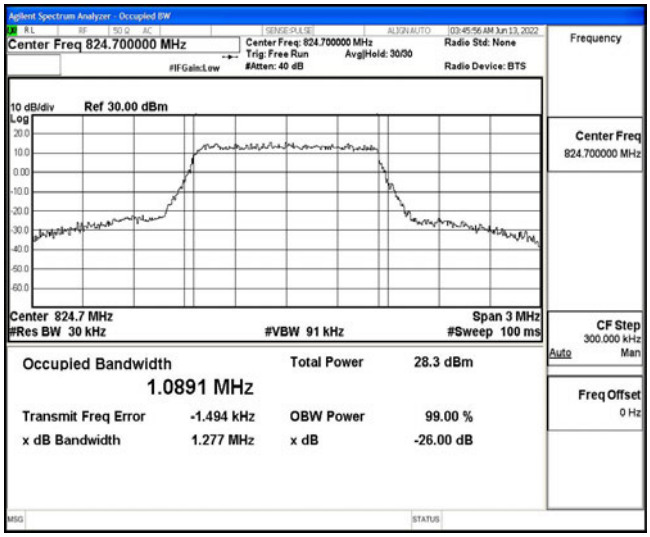
Band5-1.4MHz-QPSK-20525-6RB#0



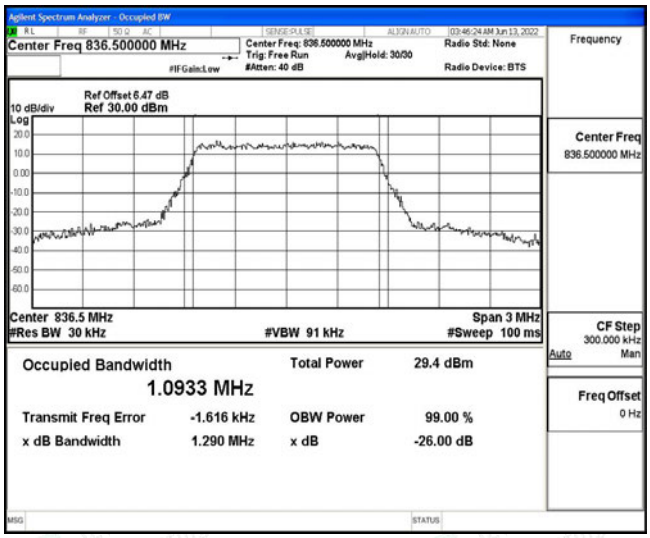
Band5-1.4MHz-QPSK-20643-6RB#0



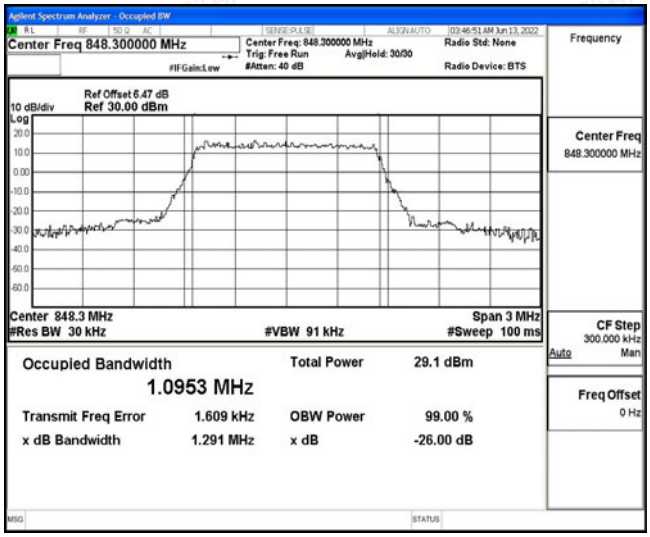
Band5-1.4MHz-16QAM-20407-6RB#0



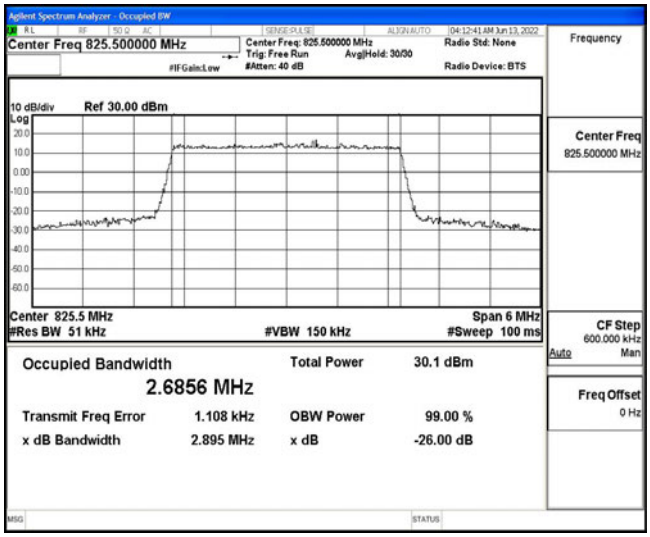
Band5-1.4MHz-16QAM-20525-6RB#0



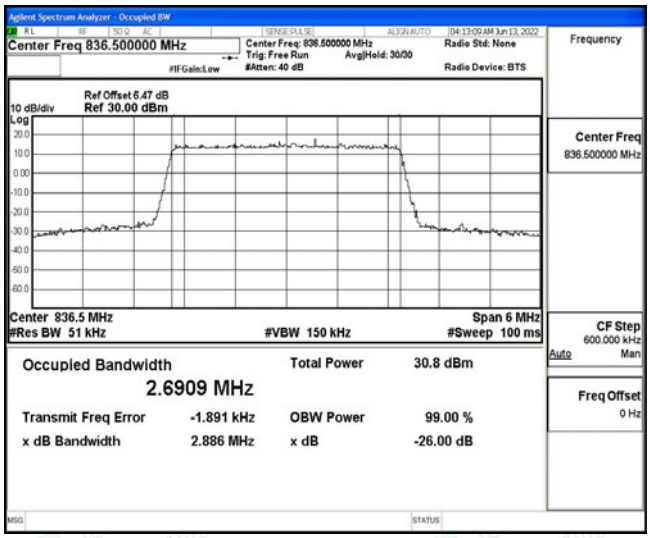
Band5-1.4MHz-16QAM-20643-6RB#0



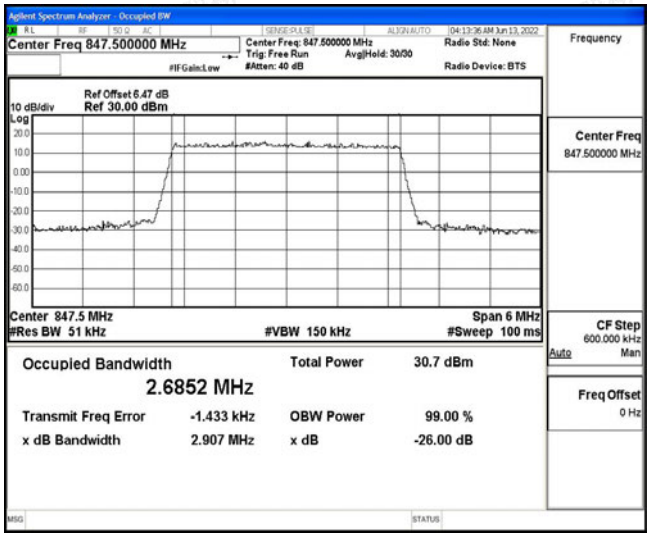
Band5-3MHz-QPSK-20415-15RB#0



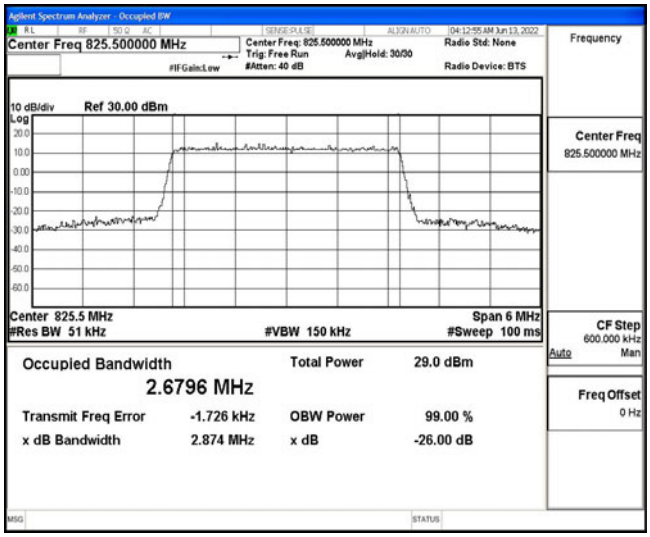
Band5-3MHz-QPSK-20525-15RB#0



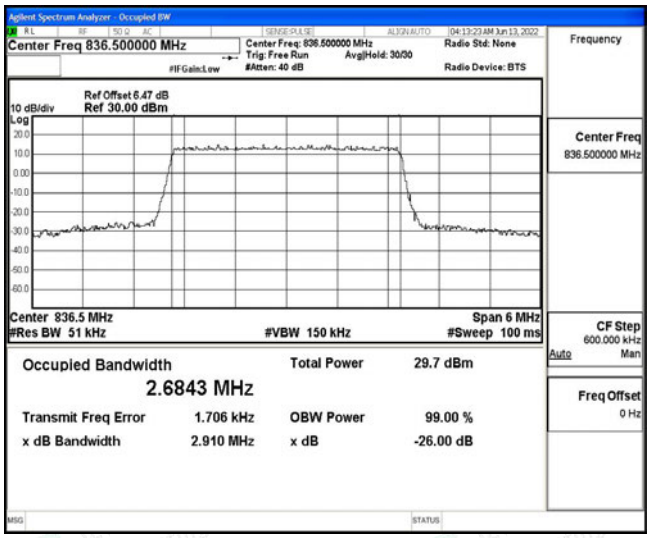
Band5-3MHz-QPSK-20635-15RB#0



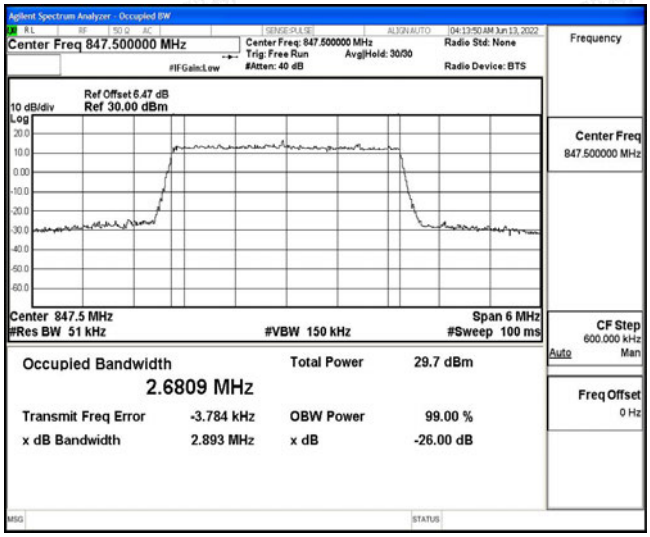
Band5-3MHz-16QAM-20415-15RB#0



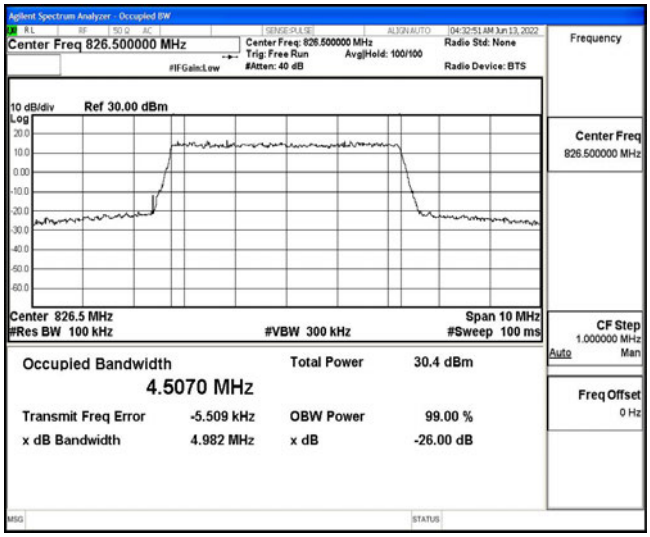
Band5-3MHz-16QAM-20525-15RB#0



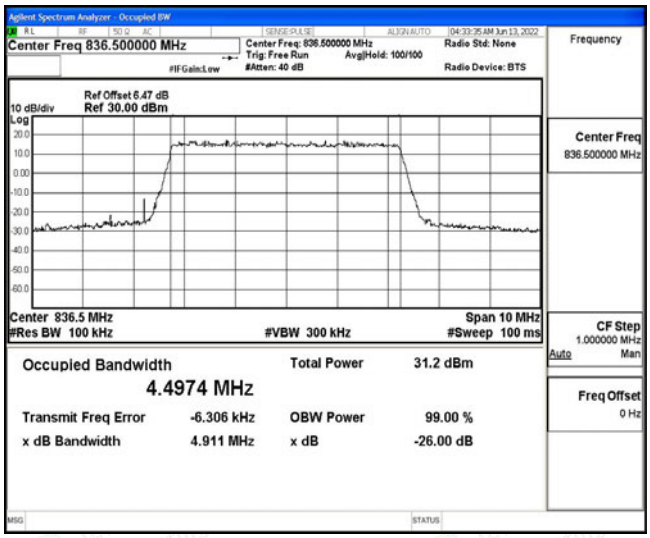
Band5-3MHz-16QAM-20635-15RB#0



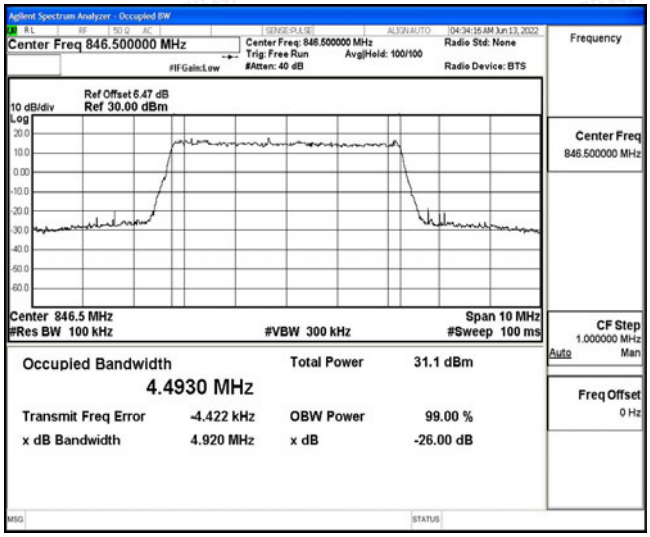
Band5-5MHz-QPSK-20425-25RB#0



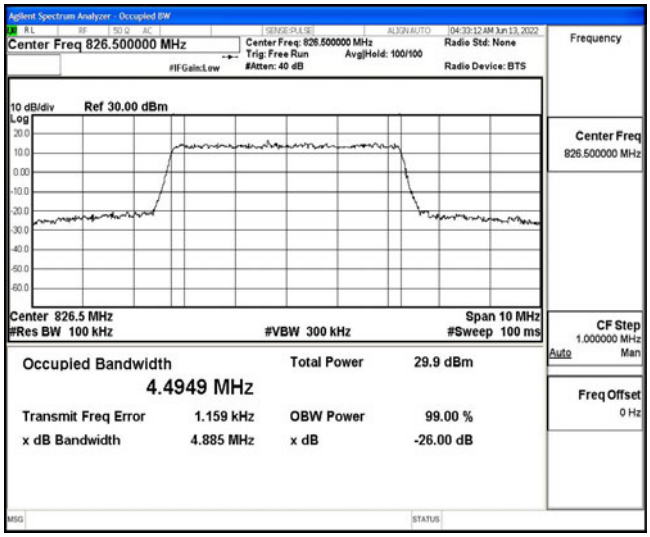
Band5-5MHz-QPSK-20525-25RB#0



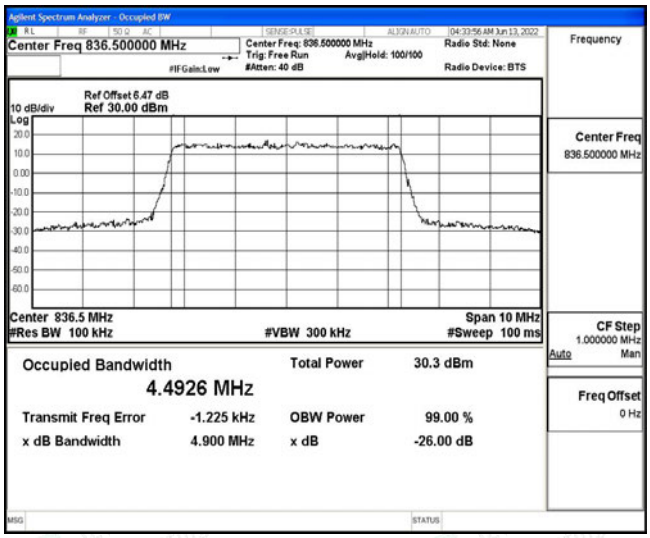
Band5-5MHz-QPSK-20625-25RB#0



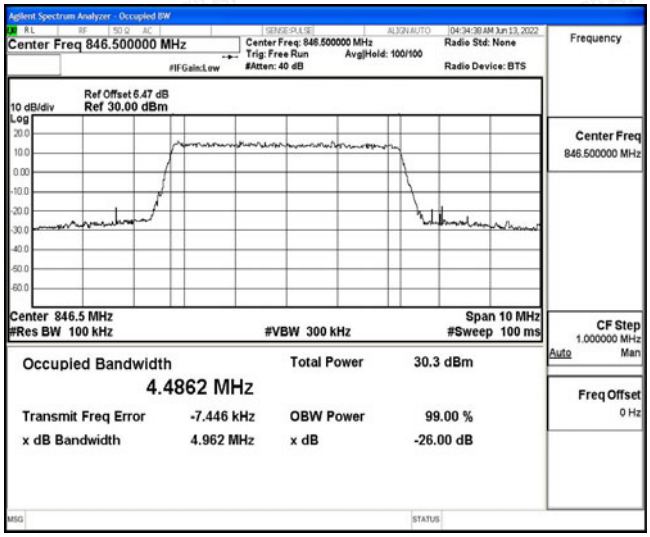
Band5-5MHz-16QAM-20425-25RB#0



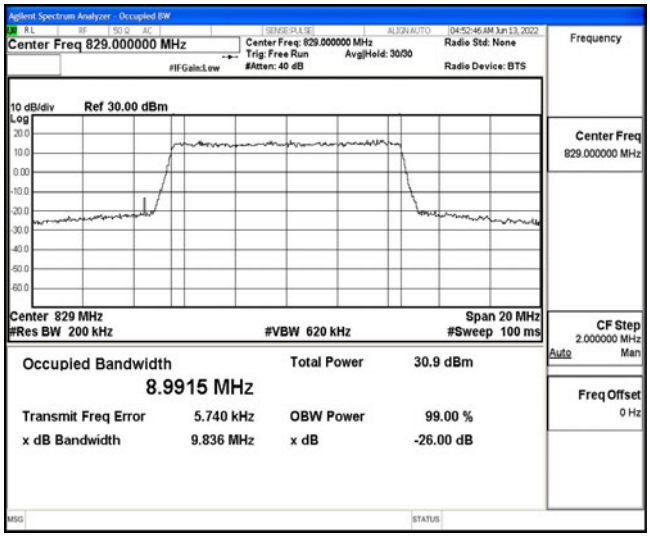
Band5-5MHz-16QAM-20525-25RB#0



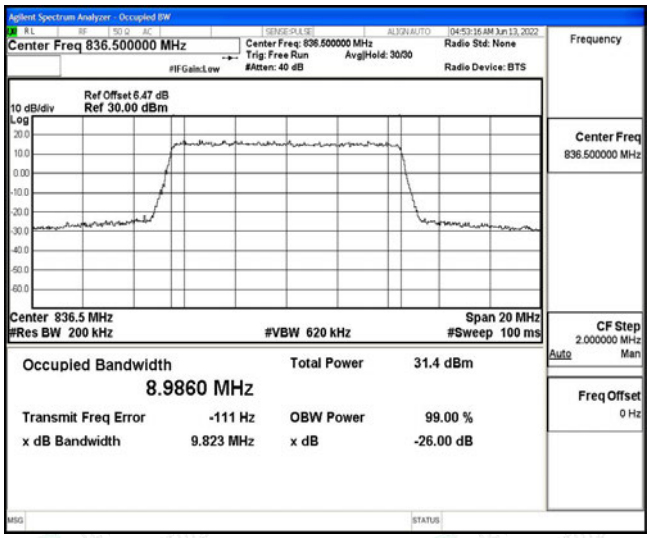
Band5-5MHz-16QAM-20625-25RB#0



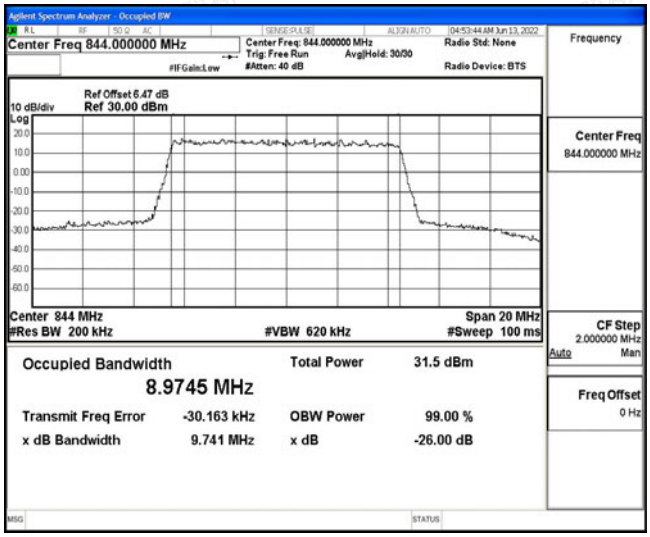
Band5-10MHz-QPSK-20450-50RB#0



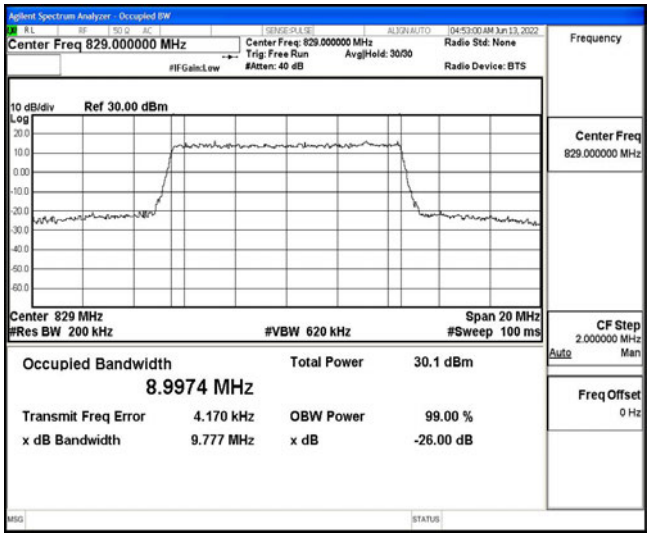
Band5-10MHz-QPSK-20525-50RB#0



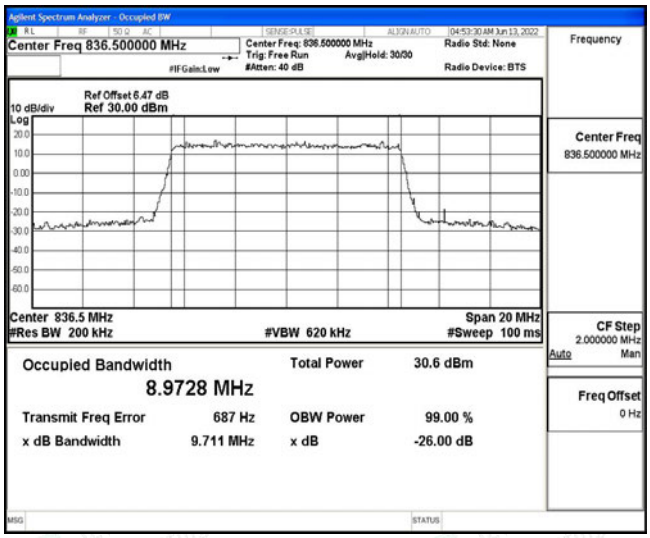
Band5-10MHz-QPSK-20600-50RB#0



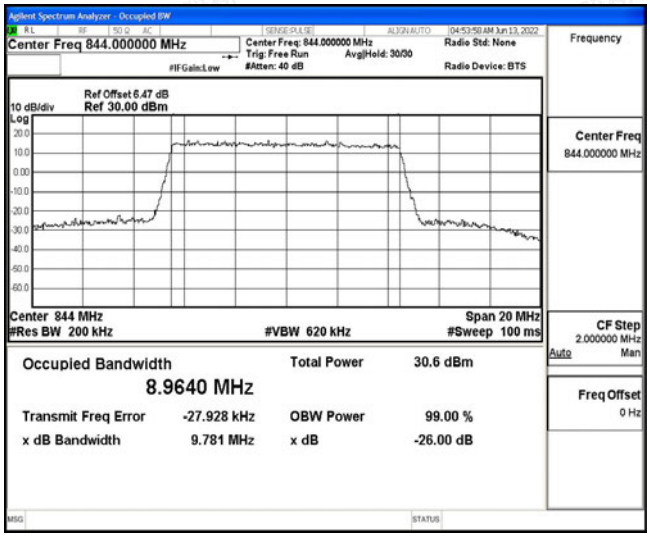
Band5-10MHz-16QAM-20450-50RB#0



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
8.9640 MHz
Total Power 30.6 dBm
Transmit Freq Error -27.928 kHz
OBW Power 99.00 %
x dB Bandwidth 9.781 MHz
x dB -26.00 dB
Freq Offset
0 Hz

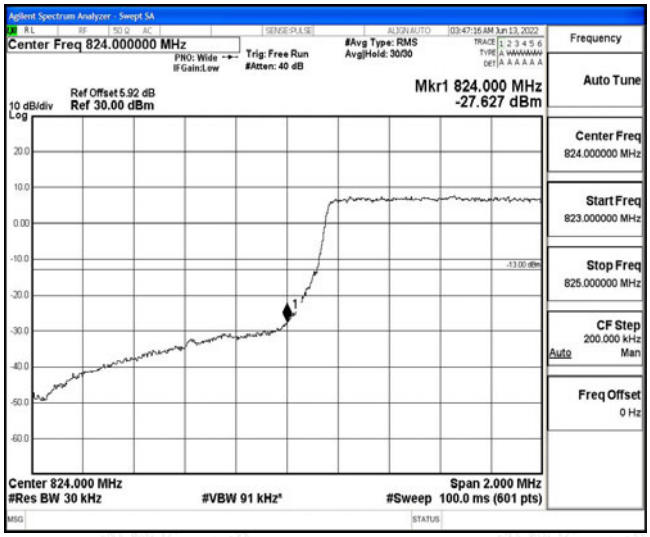
F.4 Band Edge

Test Result

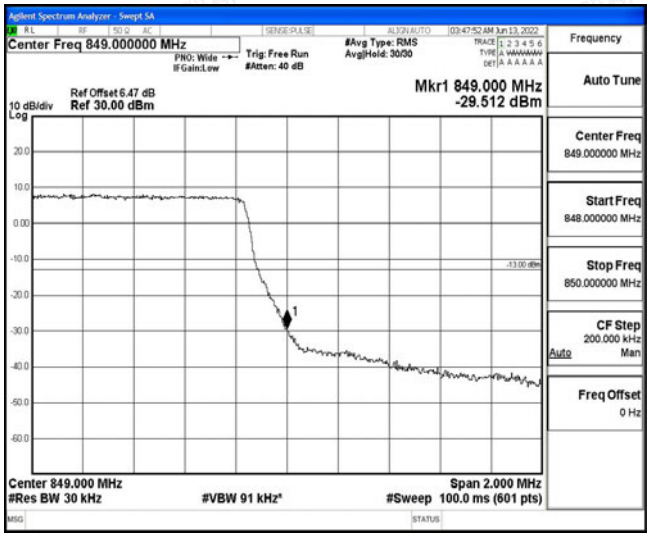
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	-27.63	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-29.51	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-27.96	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-30.06	PASS
Band5	3MHz	QPSK	20415	15RB#0	-27.94	PASS
Band5	3MHz	QPSK	20635	15RB#0	-31.48	PASS
Band5	3MHz	16QAM	20415	15RB#0	-29.63	PASS
Band5	3MHz	16QAM	20635	15RB#0	-32.08	PASS
Band5	5MHz	QPSK	20425	25RB#0	-26.96	PASS
Band5	5MHz	QPSK	20625	25RB#0	-29.08	PASS
Band5	5MHz	16QAM	20425	25RB#0	-28.15	PASS
Band5	5MHz	16QAM	20625	25RB#0	-29.70	PASS
Band5	10MHz	QPSK	20450	50RB#0	-28.89	PASS
Band5	10MHz	QPSK	20600	50RB#0	-32.46	PASS
Band5	10MHz	16QAM	20450	50RB#0	-29.99	PASS
Band5	10MHz	16QAM	20600	50RB#0	-32.21	PASS

Test Graphs

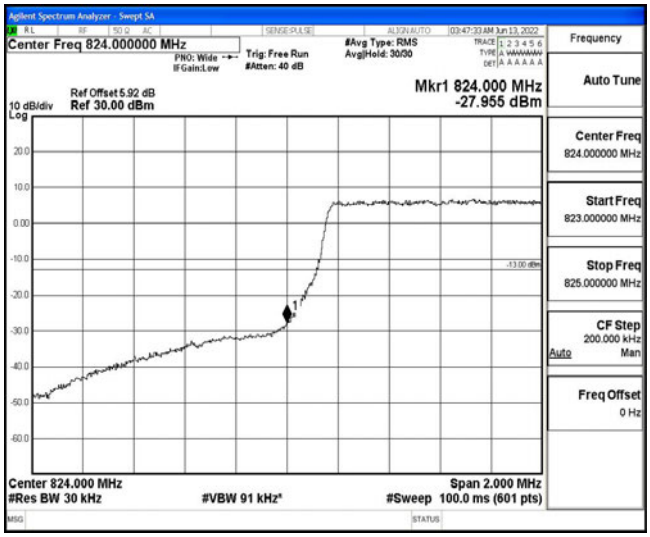
Band5-1.4MHz-QPSK-20407-6RB#0



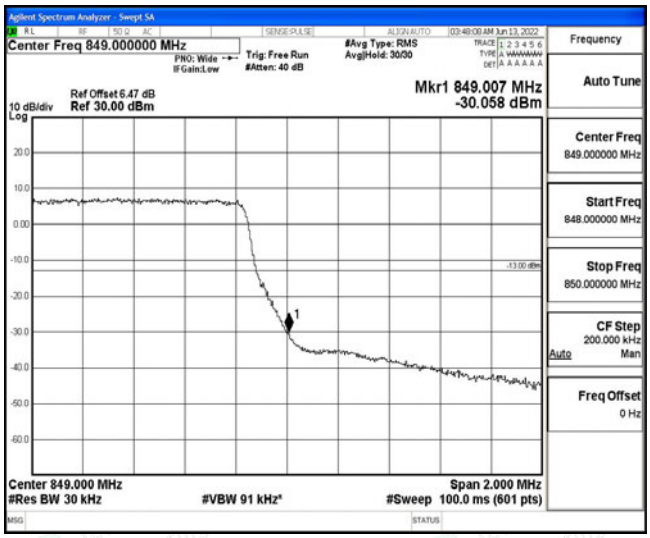
Band5-1.4MHz-QPSK-20643-6RB#0



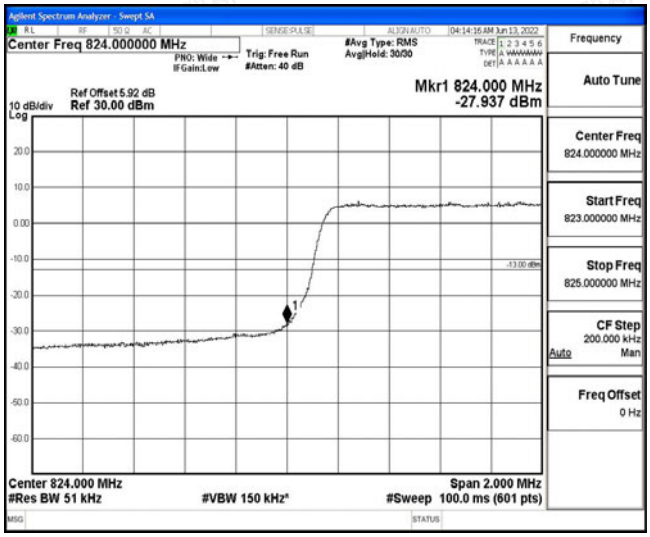
Band5-1.4MHz-16QAM-20407-6RB#0



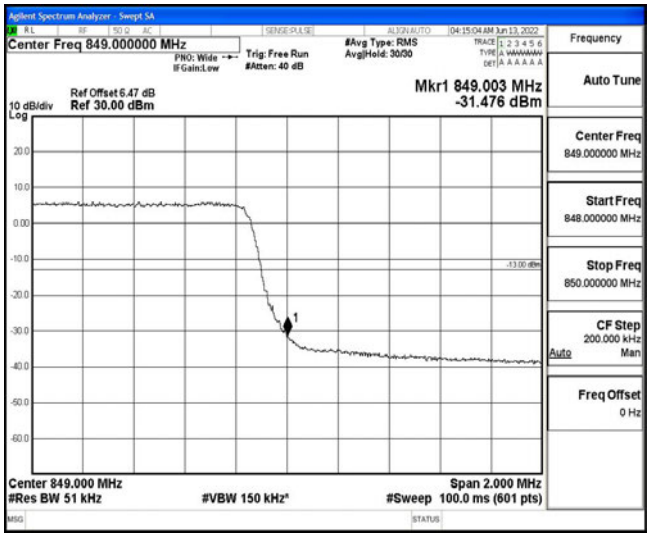
Band5-1.4MHz-16QAM-20643-6RB#0



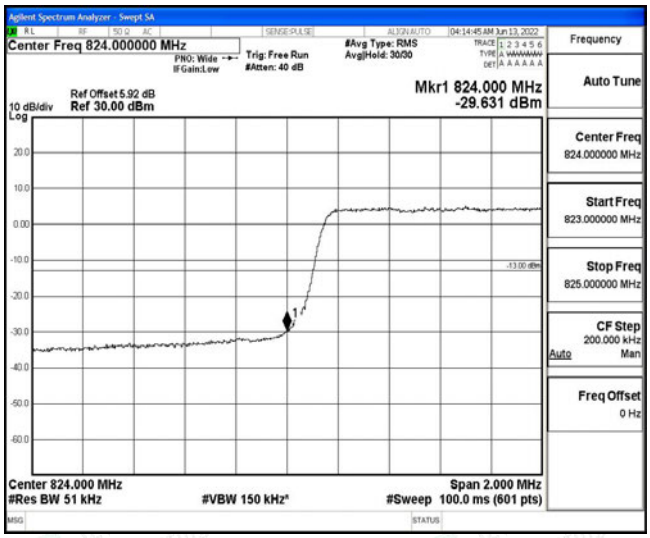
Band5-3MHz-QPSK-20415-15RB#0



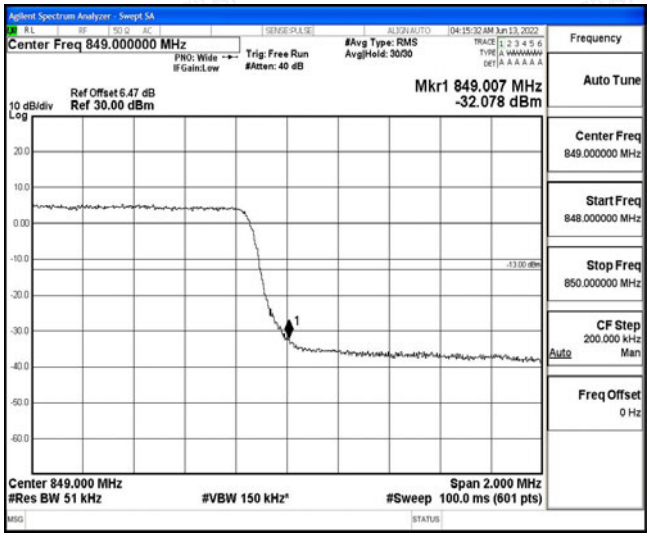
Band5-3MHz-QPSK-20635-15RB#0



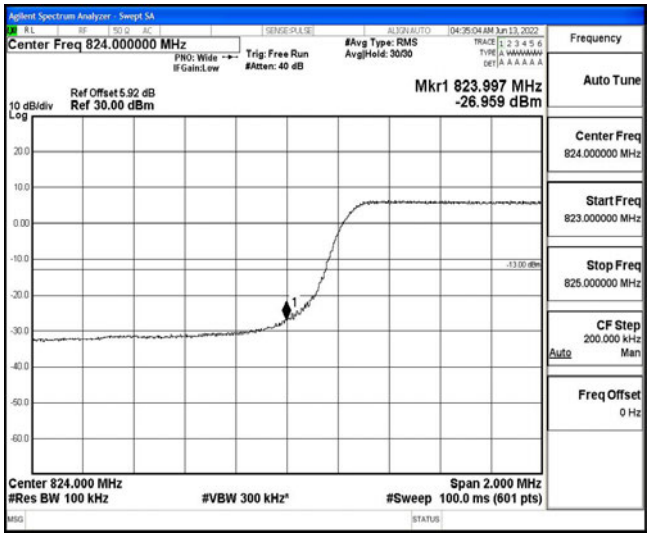
Band5-3MHz-16QAM-20415-15RB#0



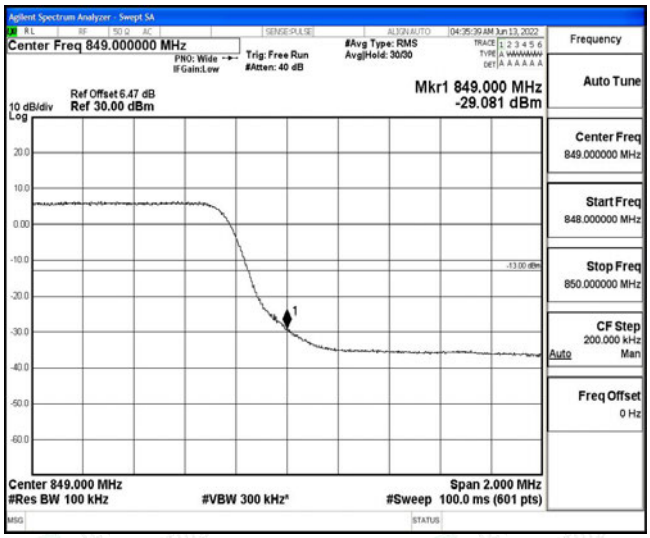
Band5-3MHz-16QAM-20635-15RB#0



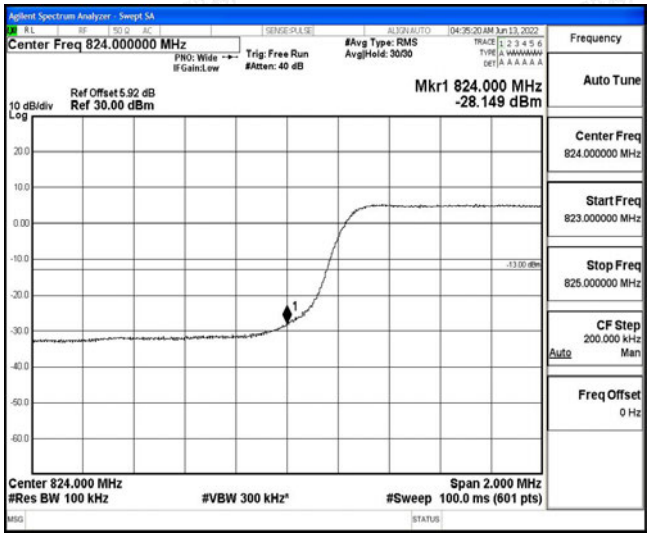
Band5-5MHz-QPSK-20425-25RB#0



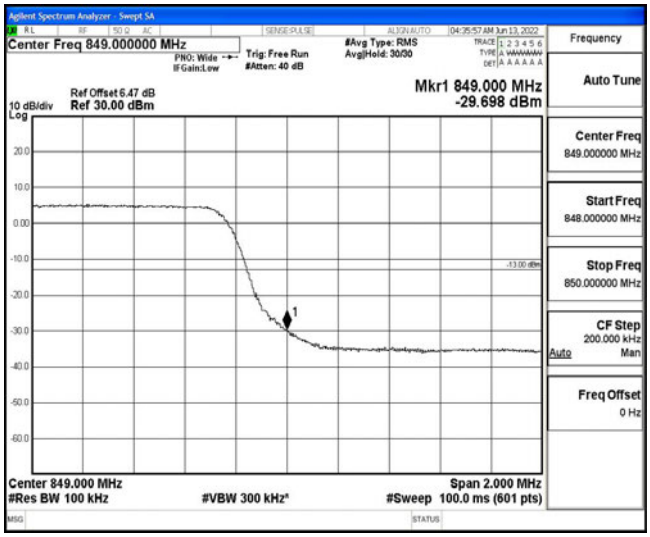
Band5-5MHz-QPSK-20625-25RB#0



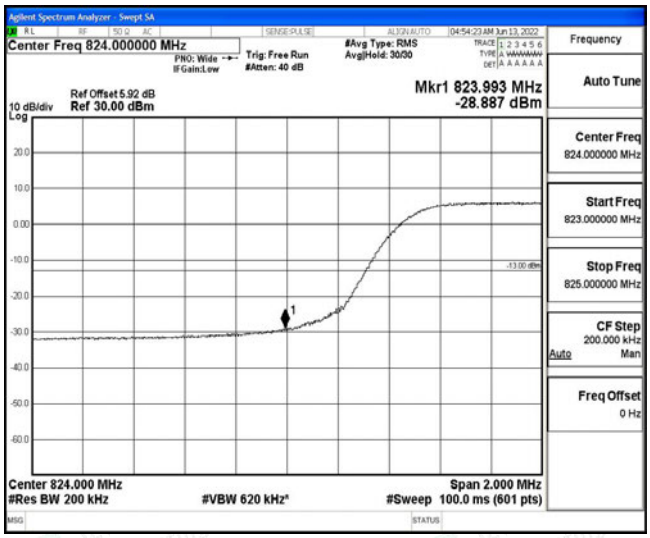
Band5-5MHz-16QAM-20425-25RB#0



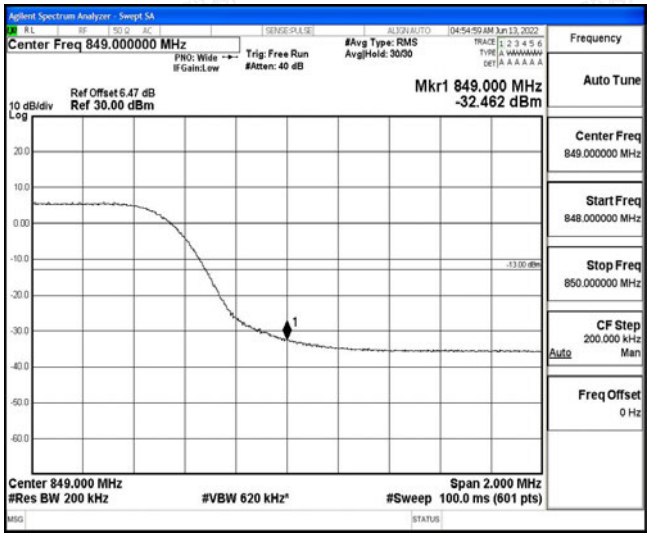
Band5-5MHz-16QAM-20625-25RB#0



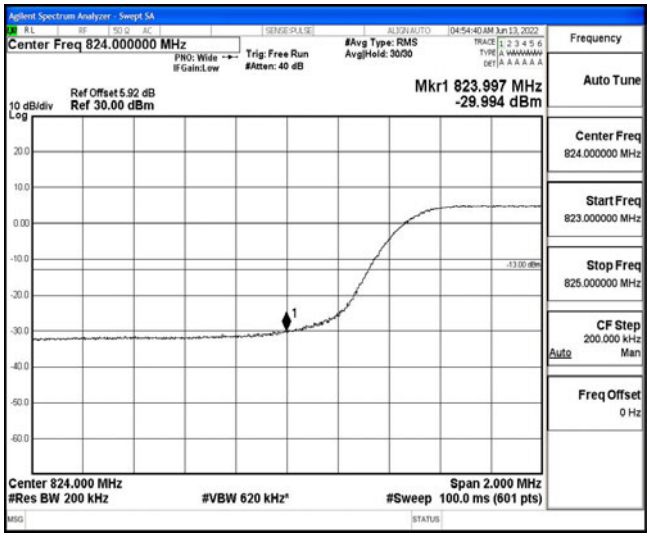
Band5-10MHz-QPSK-20450-50RB#0



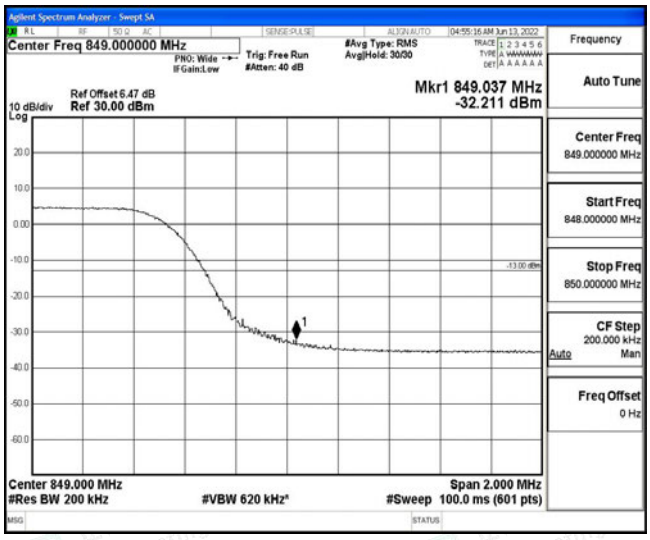
Band5-10MHz-QPSK-20600-50RB#0



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



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



F.5 Conducted Spurious Emission

Test Result

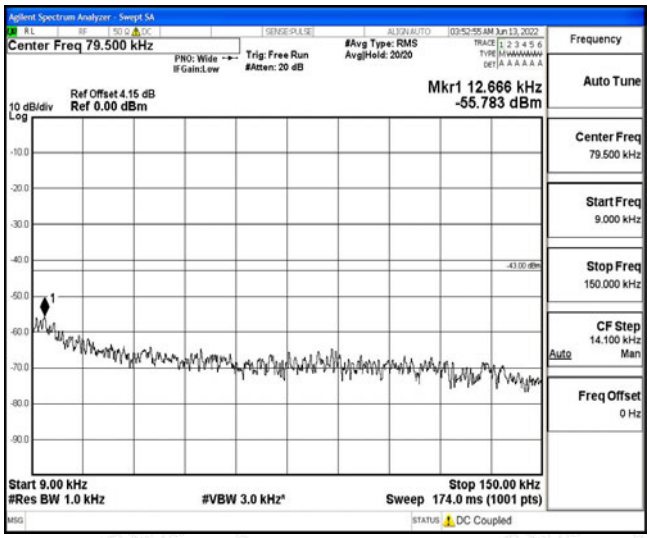
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	Range1:0.009~0.15MHz	-55.78	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range2:0.15~30MHz	-51.2	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range3:30~1000MHz	-40.87	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range4:1000~10000MHz	-44.98	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range1:0.009~0.15MHz	-55.48	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range2:0.15~30MHz	-50.92	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range3:30~1000MHz	-40.9	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range4:1000~10000MHz	-44.94	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range1:0.009~0.15MHz	-54.68	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range2:0.15~30MHz	-52.36	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range3:30~1000MHz	-41.11	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range4:1000~10000MHz	-45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range1:0.009~0.15MHz	-55.28	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range2:0.15~30MHz	-52.02	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range3:30~1000MHz	-40.67	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range4:1000~10000MHz	-44.78	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range1:0.009~0.15MHz	-54.55	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range2:0.15~30MHz	-51.38	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range3:30~1000MHz	-40.97	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range4:1000~10000MHz	-44.97	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range1:0.009~0.15MHz	-55.1	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range2:0.15~30MHz	-50.03	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range3:30~1000MHz	-39.51	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range4:1000~10000MHz	-44.85	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range1:0.009~0.15MHz	-56.39	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range2:0.15~30MHz	-51.26	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range3:30~1000MHz	-41.01	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range4:1000~10000MHz	-44.92	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range1:0.009~0.15MHz	-54.96	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range2:0.15~30MHz	-52.2	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range3:30~1000MHz	-40.78	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range4:1000~10000MHz	-44.95	PASS
Band5	3MHz	QPSK	20635	1RB#0	Range1:0.009~0.15MHz	-56.09	PASS

Band5	3MHz	QPSK	20635	1RB#0	Range2:0.15~30MHz	-51.6	PASS
Band5	3MHz	QPSK	20635	1RB#0	Range3:30~1000MHz	-40.27	PASS
Band5	3MHz	QPSK	20635	1RB#0	Range4:1000~10000MHz	-45.08	PASS
Band5	3MHz	16QAM	20415	1RB#0	Range1:0.009~0.15MHz	-54.08	PASS
Band5	3MHz	16QAM	20415	1RB#0	Range2:0.15~30MHz	-51.74	PASS
Band5	3MHz	16QAM	20415	1RB#0	Range3:30~1000MHz	-40.93	PASS
Band5	3MHz	16QAM	20415	1RB#0	Range4:1000~10000MHz	-44.94	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range1:0.009~0.15MHz	-53.77	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range2:0.15~30MHz	-53.62	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range3:30~1000MHz	-40.8	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range4:1000~10000MHz	-44.93	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range1:0.009~0.15MHz	-52.74	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range2:0.15~30MHz	-51.82	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range3:30~1000MHz	-39.87	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range4:1000~10000MHz	-45.04	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range1:0.009~0.15MHz	-56.74	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range2:0.15~30MHz	-52.32	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range3:30~1000MHz	-41.03	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range4:1000~10000MHz	-45.1	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range1:0.009~0.15MHz	-53.35	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range2:0.15~30MHz	-51.65	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range3:30~1000MHz	-40.71	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range4:1000~10000MHz	-45.06	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range1:0.009~0.15MHz	-55	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range2:0.15~30MHz	-50.95	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range3:30~1000MHz	-40.71	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range4:1000~10000MHz	-45.02	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range1:0.009~0.15MHz	-55.48	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range2:0.15~30MHz	-50.18	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range3:30~1000MHz	-41.09	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range4:1000~10000MHz	-44.93	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range1:0.009~0.15MHz	-54.55	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range2:0.15~30MHz	-52.36	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range3:30~1000MHz	-40.83	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range4:1000~10000MHz	-45.02	PASS
Band5	5MHz	16QAM	20625	1RB#0	Range1:0.009~0.15MHz	-55.83	PASS
Band5	5MHz	16QAM	20625	1RB#0	Range2:0.15~30MHz	-48.64	PASS
Band5	5MHz	16QAM	20625	1RB#0	Range3:30~1000MHz	-40.81	PASS
Band5	5MHz	16QAM	20625	1RB#0	Range4:1000~10000MHz	-44.96	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range1:0.009~0.15MHz	-55.72	PASS

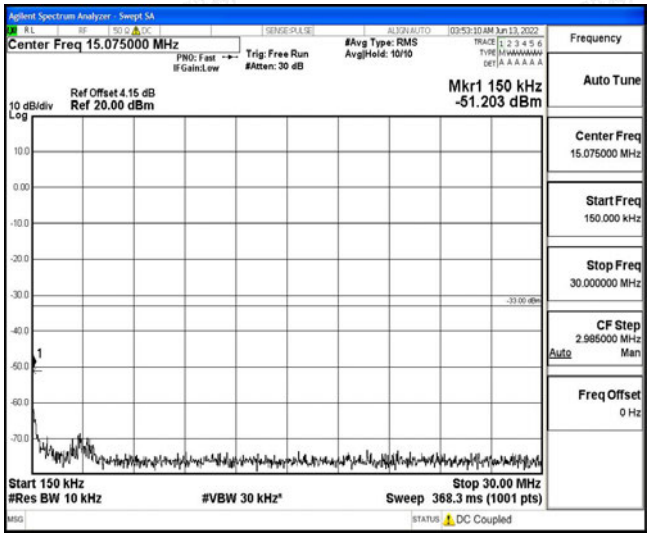
Band5	10MHz	QPSK	20450	1RB#0	Range2:0.15~30MHz	-52.17	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range3:30~1000MHz	-41.2	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range4:1000~10000MHz	-45.04	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range1:0.009~0.15MHz	-54.67	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range2:0.15~30MHz	-50.56	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range3:30~1000MHz	-41.16	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range4:1000~10000MHz	-44.86	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range1:0.009~0.15MHz	-55.57	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range2:0.15~30MHz	-51.35	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range3:30~1000MHz	-40.63	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range4:1000~10000MHz	-45.04	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range1:0.009~0.15MHz	-55.53	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range2:0.15~30MHz	-51.53	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range3:30~1000MHz	-40.55	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range4:1000~10000MHz	-44.93	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range1:0.009~0.15MHz	-55.34	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range2:0.15~30MHz	-51.55	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range3:30~1000MHz	-40.98	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range4:1000~10000MHz	-44.94	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range1:0.009~0.15MHz	-55.75	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range2:0.15~30MHz	-50.62	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range3:30~1000MHz	-41.4	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range4:1000~10000MHz	-45.02	PASS

Test Graphs

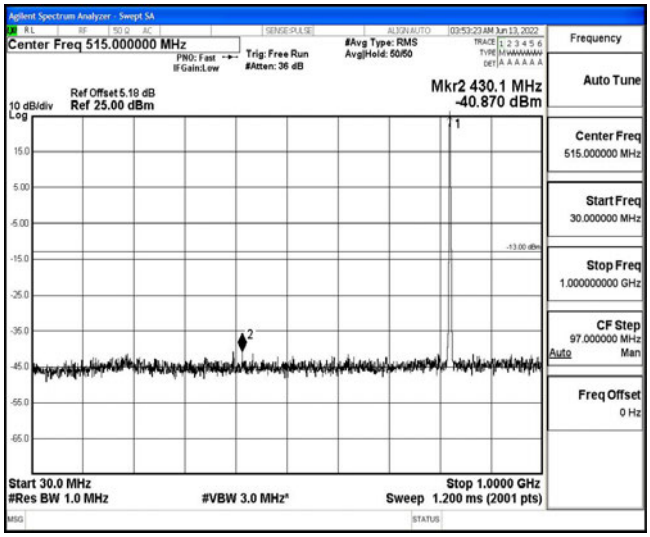
Band5-1.4MHz-QPSK-20407-1RB#0-Range1:0.009~0.15MHz



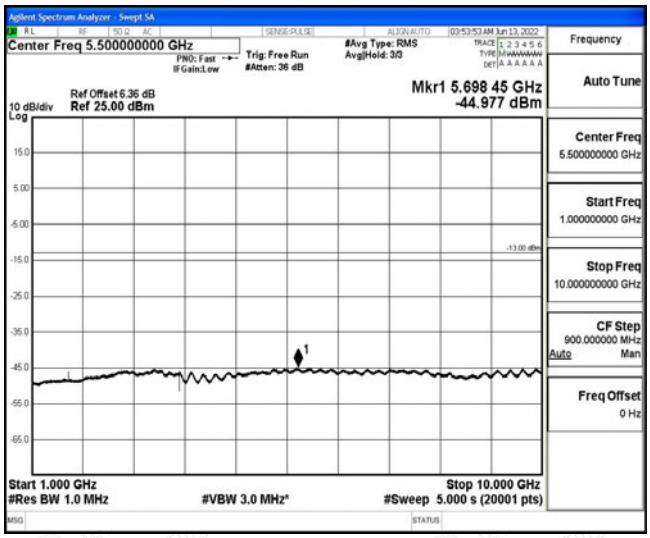
Band5-1.4MHz-QPSK-20407-1RB#0-Range2:0.15~30MHz



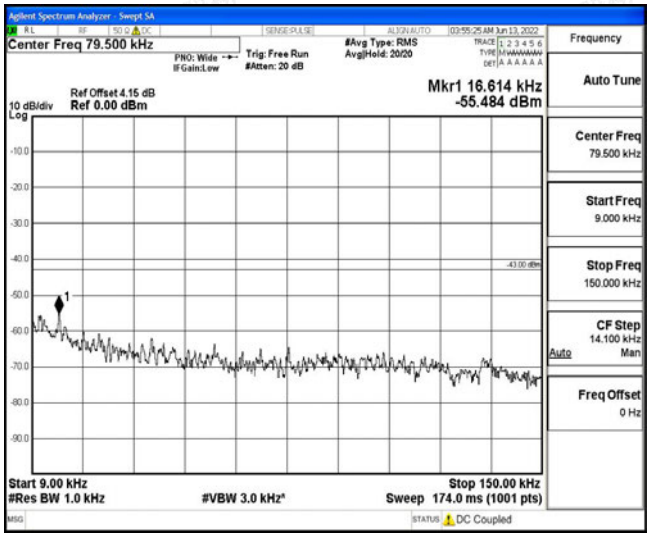
Band5-1.4MHz-QPSK-20407-1RB#0-Range3:30~1000MHz



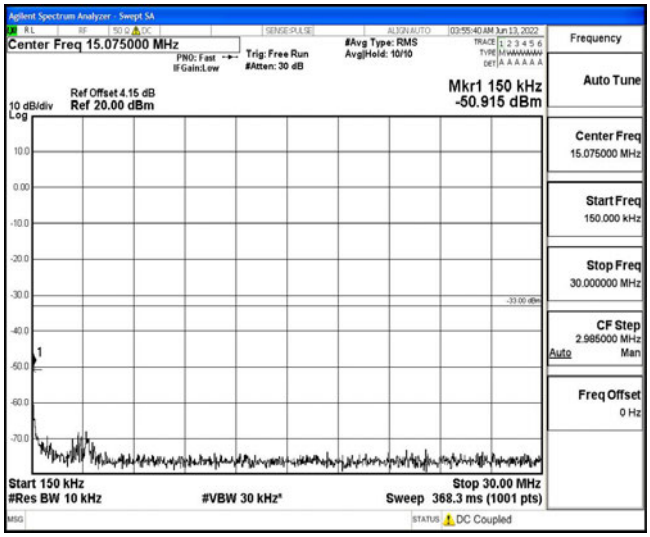
Band5-1.4MHz-QPSK-20407-1RB#0-Range4:1000~10000MHz



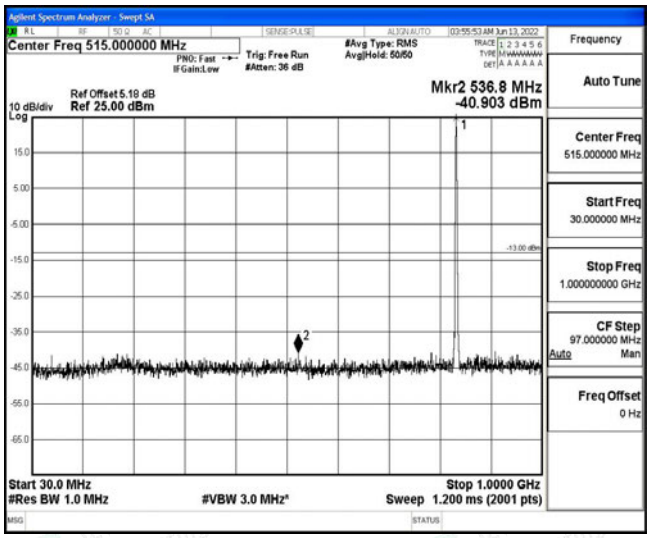
Band5-1.4MHz-QPSK-20525-1RB#0-Range1:0.009~0.15MHz



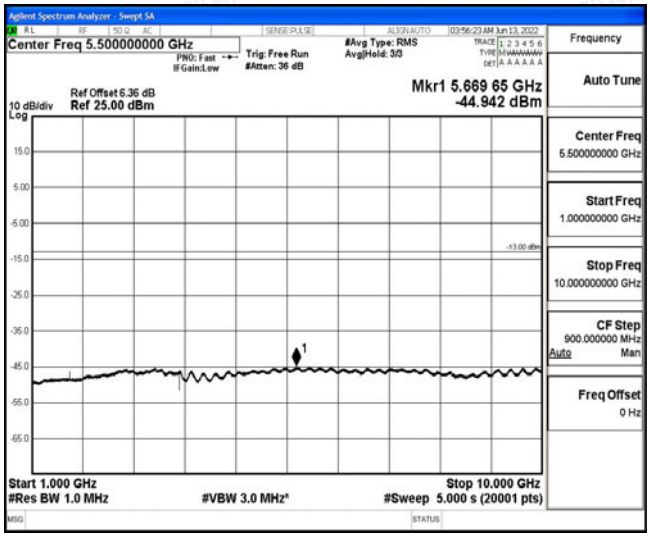
Band5-1.4MHz-QPSK-20525-1RB#0-Range2:0.15~30MHz



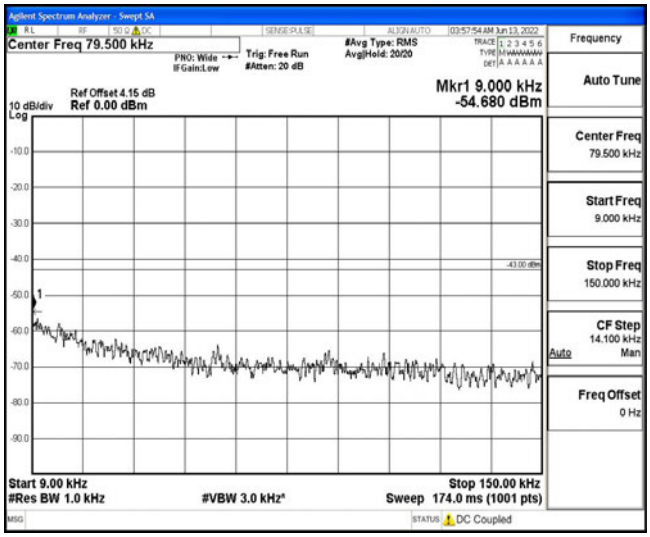
Band5-1.4MHz-QPSK-20525-1RB#0-Range3:30~1000MHz



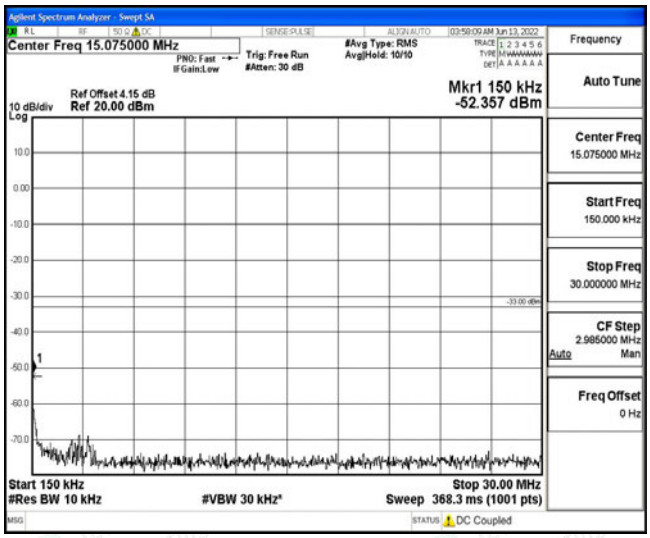
Band5-1.4MHz-QPSK-20525-1RB#0-Range4:1000~10000MHz



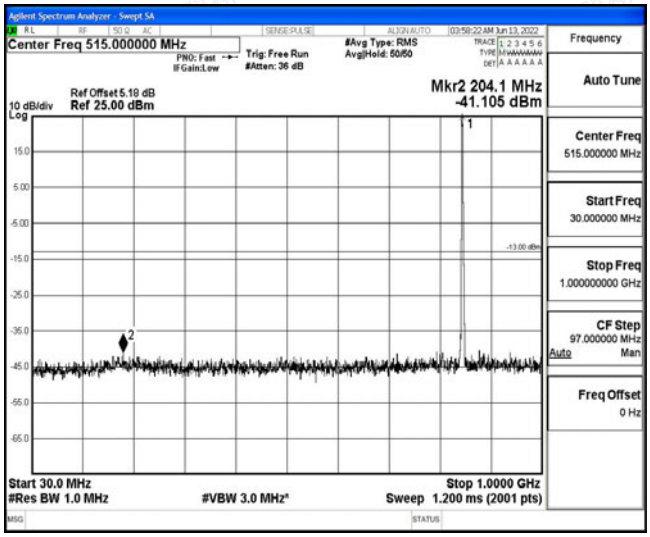
Band5-1.4MHz-QPSK-20643-1RB#0-Range1:0.009~0.15MHz



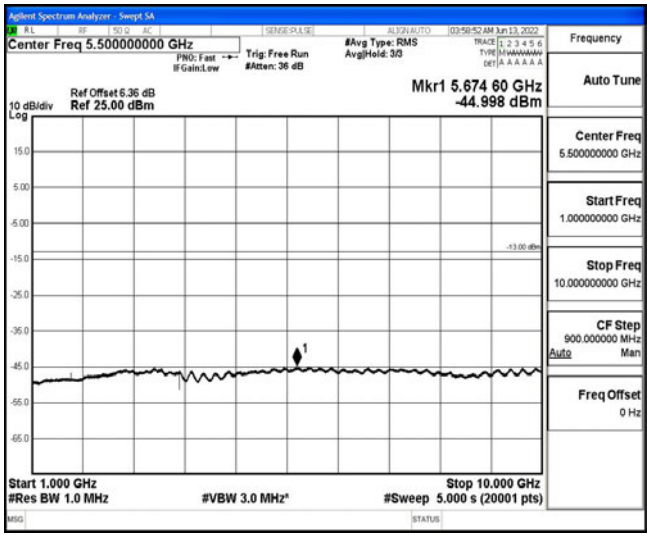
Band5-1.4MHz-QPSK-20643-1RB#0-Range2:0.15~30MHz



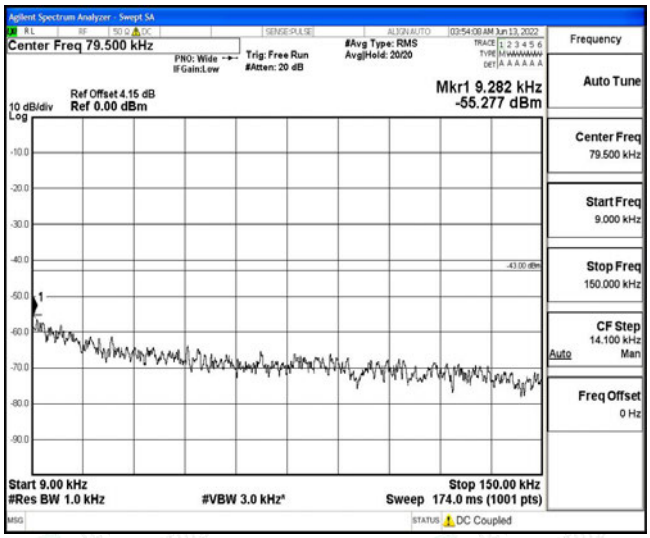
Band5-1.4MHz-QPSK-20643-1RB#0-Range3:30~1000MHz



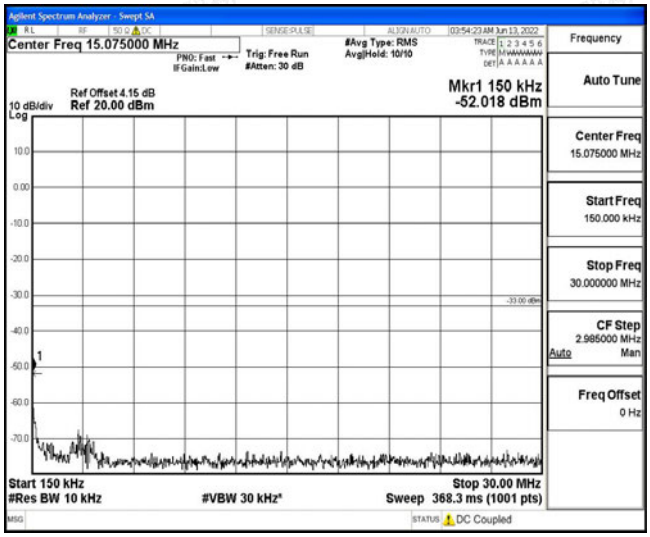
Band5-1.4MHz-QPSK-20643-1RB#0-Range4:1000~10000MHz



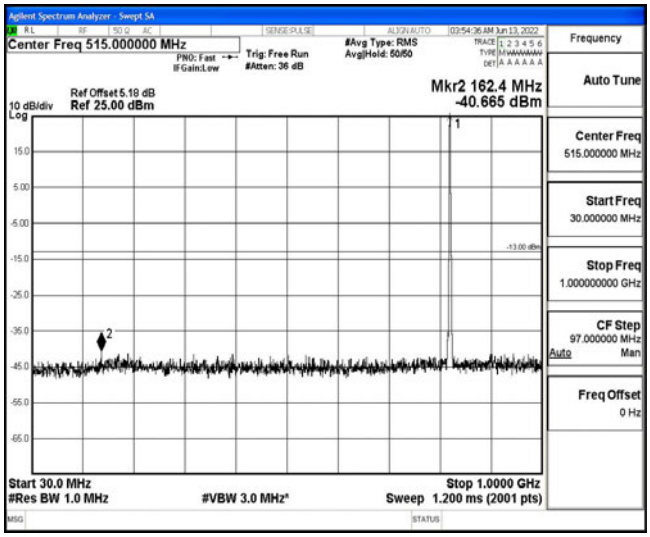
Band5-1.4MHz-16QAM-20407-1RB#0-Range1:0.009~0.15MHz



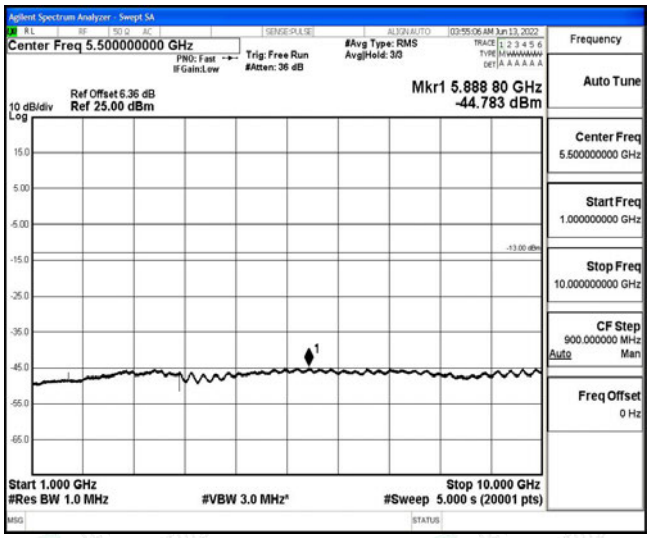
Band5-1.4MHz-16QAM-20407-1RB#0-Range2:0.15~30MHz



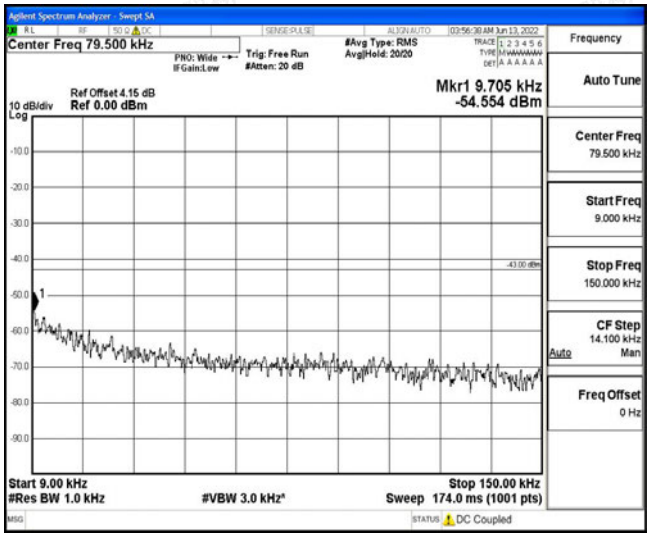
Band5-1.4MHz-16QAM-20407-1RB#0-Range3:30~1000MHz



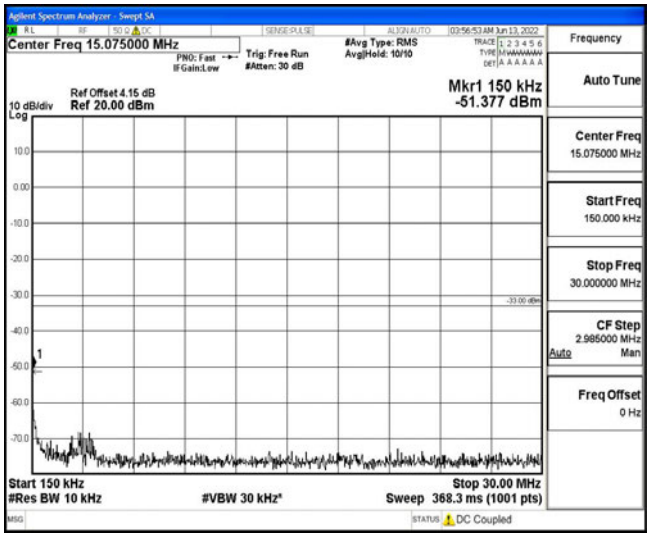
Band5-1.4MHz-16QAM-20407-1RB#0-Range4:1000~10000MHz



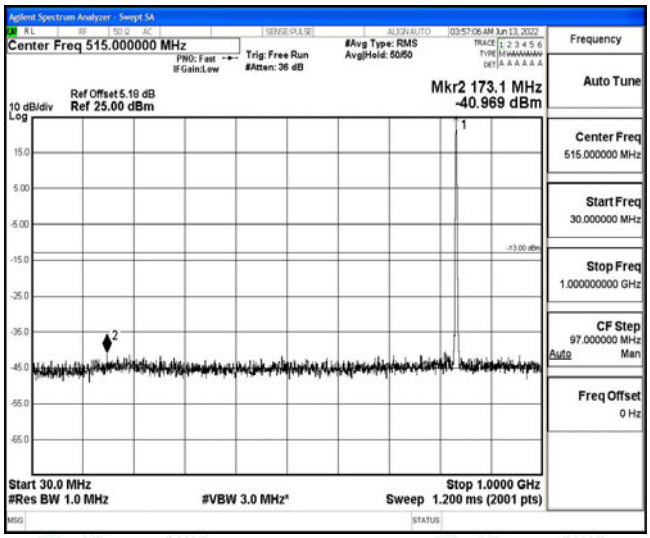
Band5-1.4MHz-16QAM-20525-1RB#0-Range1:0.009~0.15MHz



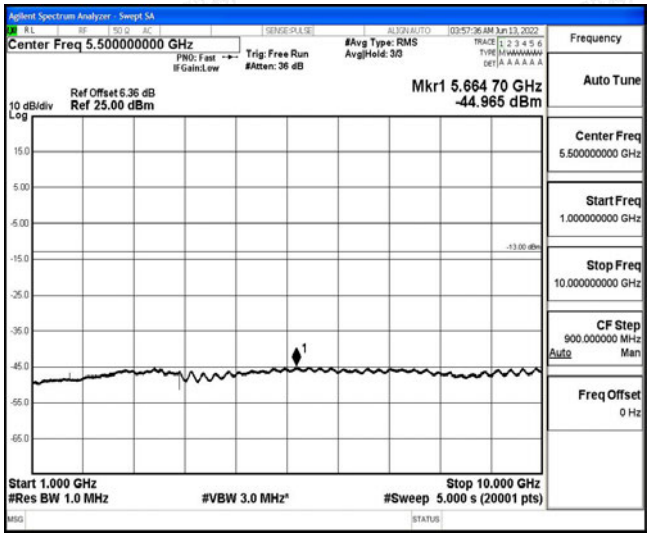
Band5-1.4MHz-16QAM-20525-1RB#0-Range2:0.15~30MHz



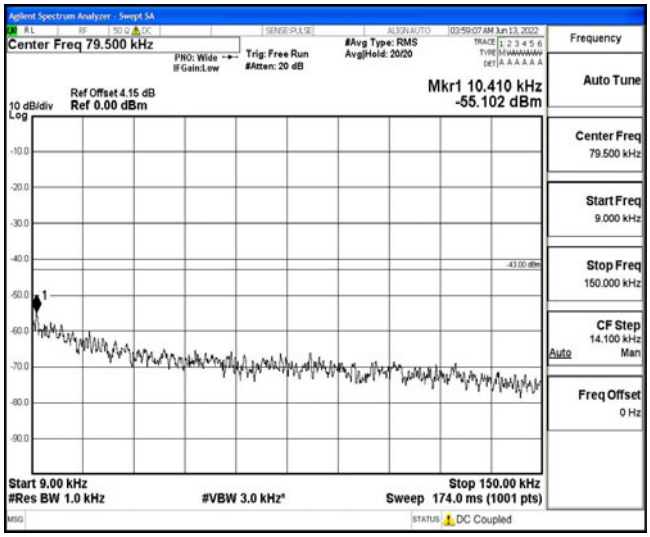
Band5-1.4MHz-16QAM-20525-1RB#0-Range3:30~1000MHz



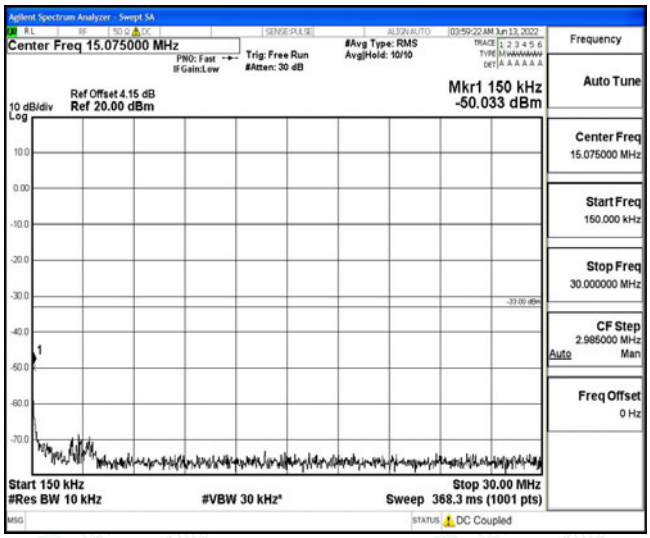
Band5-1.4MHz-16QAM-20525-1RB#0-Range4:1000~10000MHz



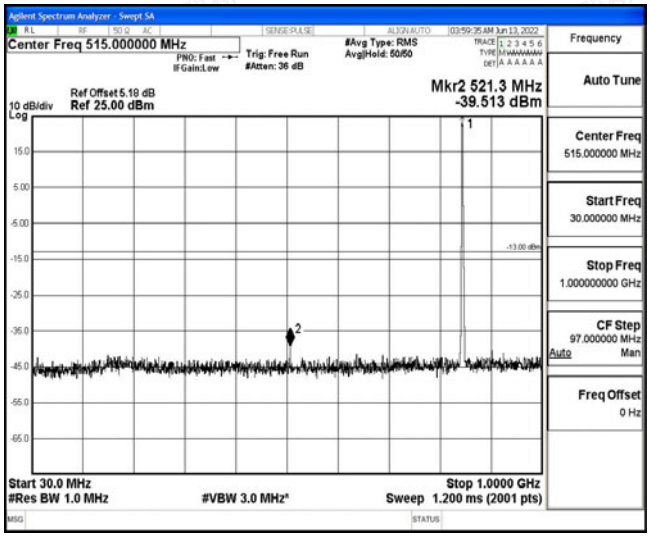
Band5-1.4MHz-16QAM-20643-1RB#0-Range1:0.009~0.15MHz



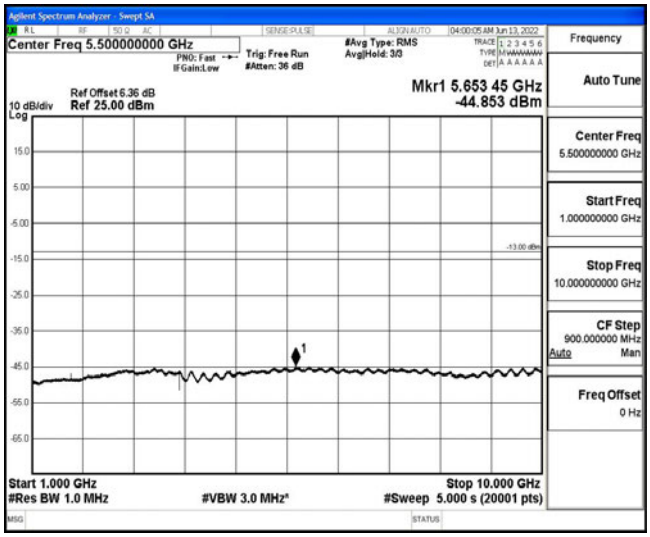
Band5-1.4MHz-16QAM-20643-1RB#0-Range2:0.15~30MHz



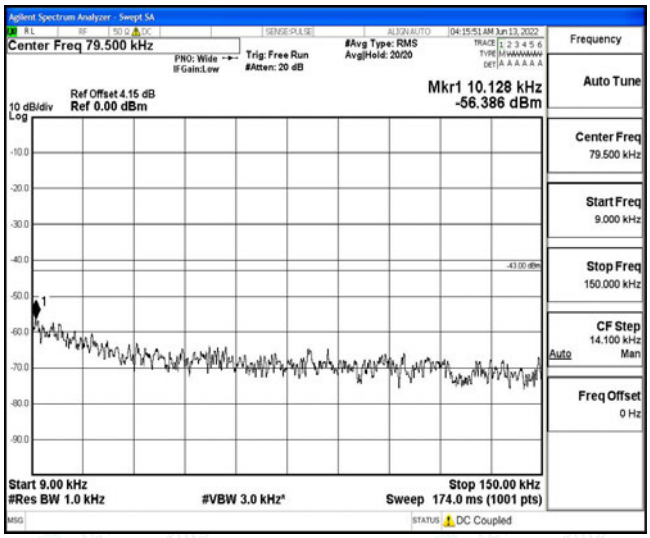
Band5-1.4MHz-16QAM-20643-1RB#0-Range3:30~1000MHz



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