Appendix H: Test Data for E-UTRA Band 5

Product Name: BlueCash-50

Test Model: BlueCash-50

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Li huan

H.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	22.33	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	22.44	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	22.31	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	22.40	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	22.40	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	22.40	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	21.33	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	21.97	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	22.11	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	21.95	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	22.10	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	22.10	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	22.11	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	21.08	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	22.24	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	22.41	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.28	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	22.32	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	22.34	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	22.36	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	21.34	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	21.11	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	21.24	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	21.12	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	21.18	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	21.18	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	21.16	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	20.28	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	20.91	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	21.03	PASS

Band5	1.4MHz	16QAM	20525	1RB#5	20.87	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	20.92	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	20.86	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	20.89	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	20.08	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	21.11	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	21.28	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	21.10	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	21.17	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	21.15	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	21.16	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	20.19	PASS
Band5	3MHz	QPSK	20415	1RB#0	22.36	PASS
Band5	3MHz	QPSK	20415	1RB#8	22.32	PASS
Band5	3MHz	QPSK	20415	1RB#14	22.24	PASS
Band5	3MHz	QPSK	20415	8RB#0	21.28	PASS
Band5	3MHz	QPSK	20415	8RB#4	21.24	PASS
Band5	3MHz	QPSK	20415	8RB#7	21.28	PASS
Band5	3MHz	QPSK	20415	15RB#0	21.21	PASS
Band5	3MHz	QPSK	20525	1RB#0	22.08	PASS
Band5	3MHz	QPSK	20525	1RB#8	22.01	PASS
Band5	3MHz	QPSK	20525	1RB#14	22.07	PASS
Band5	3MHz	QPSK	20525	8RB#0	21.04	PASS
Band5	3MHz	QPSK	20525	8RB#4	21.03	PASS
Band5	3MHz	QPSK	20525	8RB#7	21.11	PASS
Band5	3MHz	QPSK	20525	15RB#0	21.02	PASS
Band5	3MHz	QPSK	20635	1RB#0	22.28	PASS
Band5	3MHz	QPSK	20635	1RB#8	22.28	PASS
Band5	3MHz	QPSK	20635	1RB#14	22.31	PASS
Band5	3MHz	QPSK	20635	8RB#0	21.25	PASS
Band5	3MHz	QPSK	20635	8RB#4	21.28	PASS
Band5	3MHz	QPSK	20635	8RB#7	21.25	PASS
Band5	3MHz	QPSK	20635	15RB#0	21.27	PASS
Band5	3MHz	16QAM	20415	1RB#0	21.40	PASS
Band5	3MHz	16QAM	20415	1RB#8	21.33	PASS

Band5	3MHz	16QAM	20415	1RB#14	21.33	PASS
Band5	3MHz	16QAM	20415	8RB#0	20.29	PASS
Band5	3MHz	16QAM	20415	8RB#4	20.32	PASS
Band5	3MHz	16QAM	20415	8RB#7	20.25	PASS
Band5	3MHz	16QAM	20415	15RB#0	20.27	PASS
Band5	3MHz	16QAM	20525	1RB#0	21.13	PASS
Band5	3MHz	16QAM	20525	1RB#8	21.10	PASS
Band5	3MHz	16QAM	20525	1RB#14	21.08	PASS
Band5	3MHz	16QAM	20525	8RB#0	20.07	PASS
Band5	3MHz	16QAM	20525	8RB#4	20.06	PASS
Band5	3MHz	16QAM	20525	8RB#7	20.09	PASS
Band5	3MHz	16QAM	20525	15RB#0	20.07	PASS
Band5	3MHz	16QAM	20635	1RB#0	21.18	PASS
Band5	3MHz	16QAM	20635	1RB#8	21.16	PASS
Band5	3MHz	16QAM	20635	1RB#14	21.17	PASS
Band5	3MHz	16QAM	20635	8RB#0	20.26	PASS
Band5	3MHz	16QAM	20635	8RB#4	20.30	PASS
Band5	3MHz	16QAM	20635	8RB#7	20.20	PASS
Band5	3MHz	16QAM	20635	15RB#0	20.21	PASS
Band5	5MHz	QPSK	20425	1RB#0	22.29	PASS
Band5	5MHz	QPSK	20425	1RB#12	22.39	PASS
Band5	5MHz	QPSK	20425	1RB#24	22.16	PASS
Band5	5MHz	QPSK	20425	12RB#0	21.23	PASS
Band5	5MHz	QPSK	20425	12RB#6	21.22	PASS
Band5	5MHz	QPSK	20425	12RB#13	21.24	PASS
Band5	5MHz	QPSK	20425	25RB#0	21.25	PASS
Band5	5MHz	QPSK	20525	1RB#0	21.98	PASS
Band5	5MHz	QPSK	20525	1RB#12	22.07	PASS
Band5	5MHz	QPSK	20525	1RB#24	22.01	PASS
Band5	5MHz	QPSK	20525	12RB#0	21.05	PASS
Band5	5MHz	QPSK	20525	12RB#6	21.04	PASS
Band5	5MHz	QPSK	20525	12RB#13	21.13	PASS
Band5	5MHz	QPSK	20525	25RB#0	21.11	PASS
Band5	5MHz	QPSK	20625	1RB#0	22.14	PASS
Band5	5MHz	QPSK	20625	1RB#12	22.30	PASS

Band5	5MHz	QPSK	20625	1RB#24	22.25	PASS
Band5	5MHz	QPSK	20625	12RB#0	21.34	PASS
Band5	5MHz	QPSK	20625	12RB#6	21.27	PASS
Band5	5MHz	QPSK	20625	12RB#13	21.22	PASS
Band5	5MHz	QPSK	20625	25RB#0	21.36	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.23	PASS
Band5	5MHz	16QAM	20425	1RB#12	21.25	PASS
Band5	5MHz	16QAM	20425	1RB#24	21.10	PASS
Band5	5MHz	16QAM	20425	12RB#0	20.17	PASS
Band5	5MHz	16QAM	20425	12RB#6	20.15	PASS
Band5	5MHz	16QAM	20425	12RB#13	20.15	PASS
Band5	5MHz	16QAM	20425	25RB#0	20.23	PASS
Band5	5MHz	16QAM	20525	1RB#0	21.08	PASS
Band5	5MHz	16QAM	20525	1RB#12	21.14	PASS
Band5	5MHz	16QAM	20525	1RB#24	21.09	PASS
Band5	5MHz	16QAM	20525	12RB#0	20.07	PASS
Band5	5MHz	16QAM	20525	12RB#6	20.00	PASS
Band5	5MHz	16QAM	20525	12RB#13	20.12	PASS
Band5	5MHz	16QAM	20525	25RB#0	20.09	PASS
Band5	5MHz	16QAM	20625	1RB#0	21.07	PASS
Band5	5MHz	16QAM	20625	1RB#12	21.25	PASS
Band5	5MHz	16QAM	20625	1RB#24	21.16	PASS
Band5	5MHz	16QAM	20625	12RB#0	20.33	PASS
Band5	5MHz	16QAM	20625	12RB#6	20.35	PASS
Band5	5MHz	16QAM	20625	12RB#13	20.31	PASS
Band5	5MHz	16QAM	20625	25RB#0	20.33	PASS
Band5	10MHz	QPSK	20450	1RB#0	22.34	PASS
Band5	10MHz	QPSK	20450	1RB#24	22.30	PASS
Band5	10MHz	QPSK	20450	1RB#49	22.07	PASS
Band5	10MHz	QPSK	20450	25RB#0	21.28	PASS
Band5	10MHz	QPSK	20450	25RB#12	21.33	PASS
Band5	10MHz	QPSK	20450	25RB#25	21.16	PASS
Band5	10MHz	QPSK	20450	50RB#0	21.21	PASS
Band5	10MHz	QPSK	20525	1RB#0	22.15	PASS
Band5	10MHz	QPSK	20525	1RB#24	22.27	PASS

Band5	10MHz	QPSK	20525	1RB#49	22.11	PASS
Band5	10MHz	QPSK	20525	25RB#0	21.09	PASS
Band5	10MHz	QPSK	20525	25RB#12	21.08	PASS
Band5	10MHz	QPSK	20525	25RB#25	21.17	PASS
Band5	10MHz	QPSK	20525	50RB#0	21.08	PASS
Band5	10MHz	QPSK	20600	1RB#0	22.11	PASS
Band5	10MHz	QPSK	20600	1RB#24	22.38	PASS
Band5	10MHz	QPSK	20600	1RB#49	22.30	PASS
Band5	10MHz	QPSK	20600	25RB#0	21.20	PASS
Band5	10MHz	QPSK	20600	25RB#12	21.22	PASS
Band5	10MHz	QPSK	20600	25RB#25	21.14	PASS
Band5	10MHz	QPSK	20600	50RB#0	21.21	PASS
Band5	10MHz	16QAM	20450	1RB#0	21.40	PASS
Band5	10MHz	16QAM	20450	1RB#24	21.36	PASS
Band5	10MHz	16QAM	20450	1RB#49	21.11	PASS
Band5	10MHz	16QAM	20450	25RB#0	20.28	PASS
Band5	10MHz	16QAM	20450	25RB#12	20.31	PASS
Band5	10MHz	16QAM	20450	25RB#25	20.15	PASS
Band5	10MHz	16QAM	20450	50RB#0	20.18	PASS
Band5	10MHz	16QAM	20525	1RB#0	21.02	PASS
Band5	10MHz	16QAM	20525	1RB#24	21.07	PASS
Band5	10MHz	16QAM	20525	1RB#49	20.99	PASS
Band5	10MHz	16QAM	20525	25RB#0	20.08	PASS
Band5	10MHz	16QAM	20525	25RB#12	20.09	PASS
Band5	10MHz	16QAM	20525	25RB#25	20.18	PASS
Band5	10MHz	16QAM	20525	50RB#0	20.12	PASS
Band5	10MHz	16QAM	20600	1RB#0	20.89	PASS
Band5	10MHz	16QAM	20600	1RB#24	21.15	PASS
Band5	10MHz	16QAM	20600	1RB#49	21.11	PASS
Band5	10MHz	16QAM	20600	25RB#0	20.22	PASS
Band5	10MHz	16QAM	20600	25RB#12	20.23	PASS
Band5	10MHz	16QAM	20600	25RB#25	20.14	PASS
Band5	10MHz	16QAM	20600	50RB#0	20.13	PASS

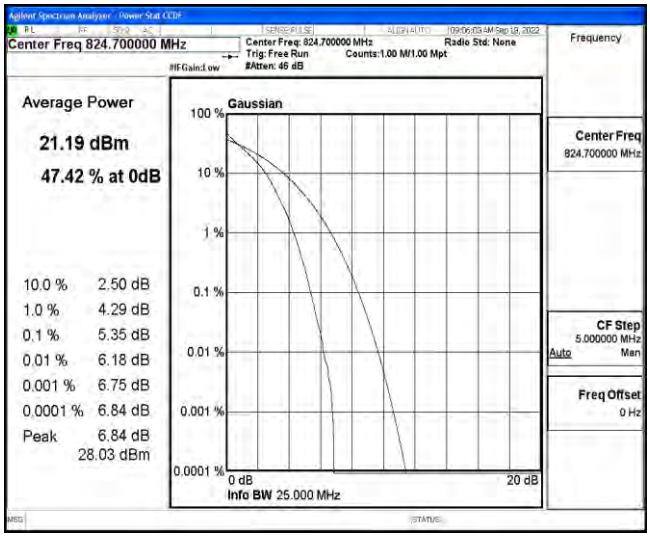
H.2 Peak-to-Average Ratio(CCDF)

Test Result

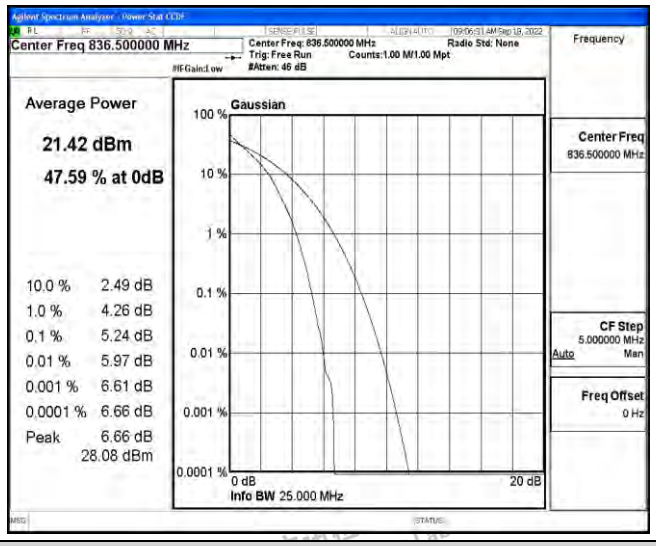
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	5.35	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.24	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.22	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.25	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.07	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	6.07	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.42	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.37	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.46	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.25	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.21	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	6.24	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.56	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.43	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.56	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.22	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.11	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	6.28	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.55	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.45	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.53	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.25	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.16	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.22	13	PASS

Test Graphs

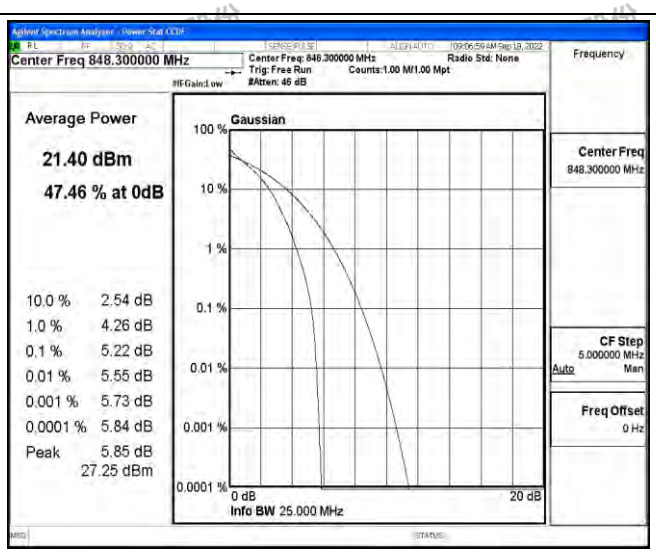
Band5-1.4MHz-QPSK-20407-6RB#0



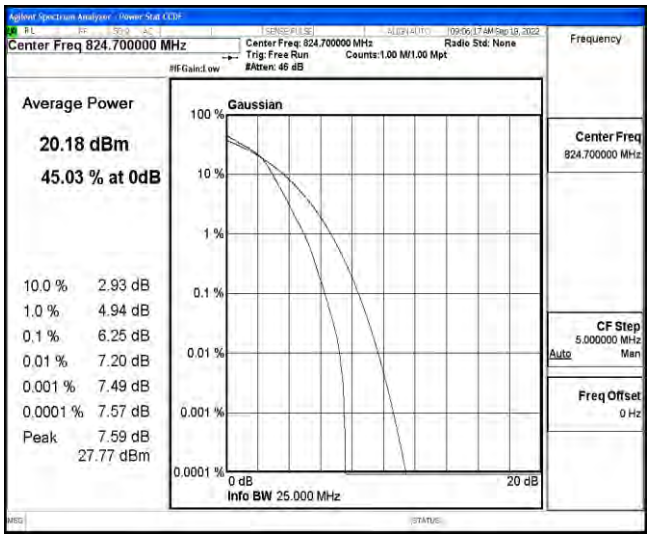
Band5-1.4MHz-QPSK-20525-6RB#0



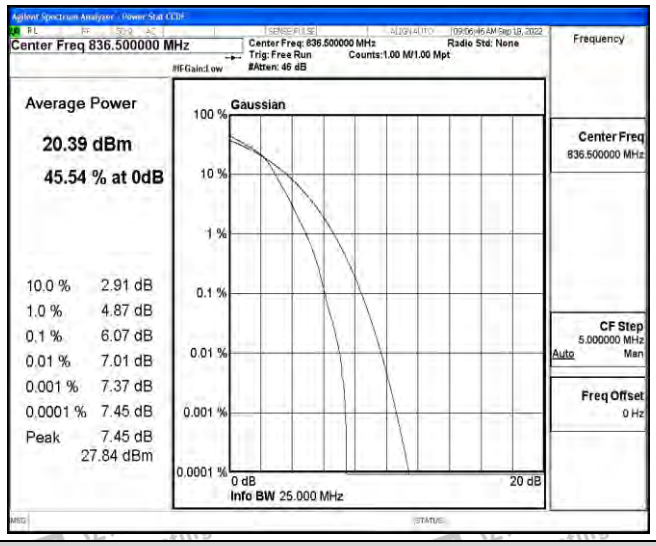
Band5-1.4MHz-QPSK-20643-6RB#0



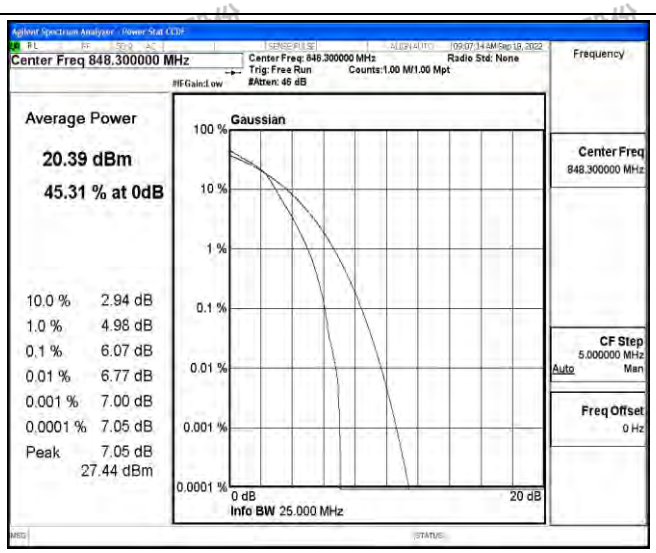
Band5-1.4MHz-16QAM-20407-6RB#0



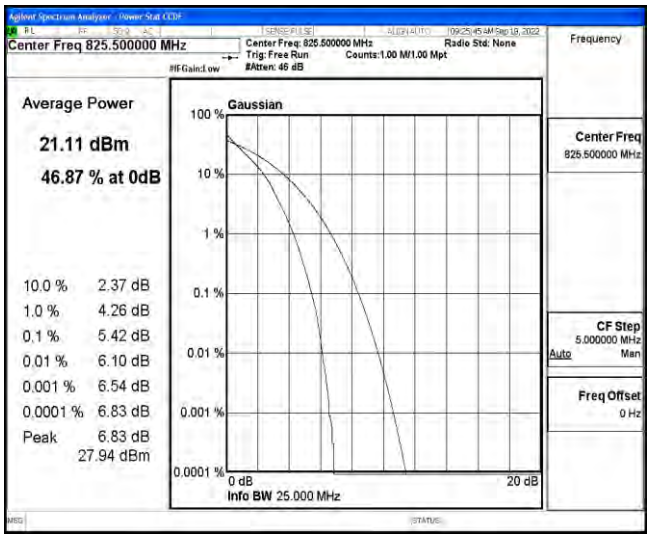
Band5-1.4MHz-16QAM-20525-6RB#0



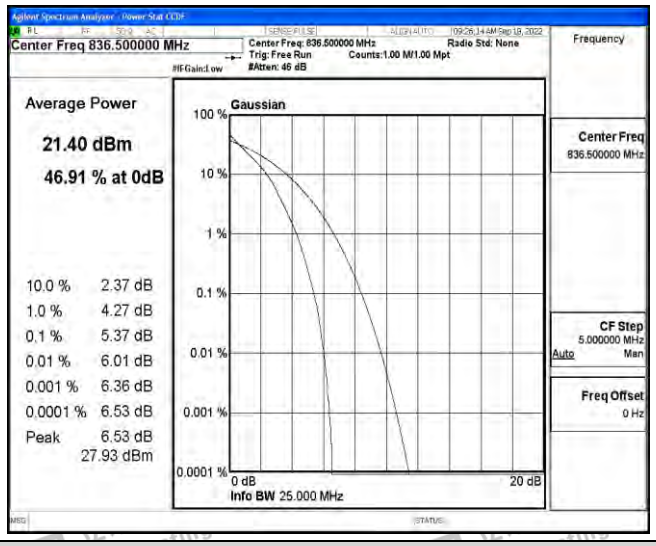
Band5-1.4MHz-16QAM-20643-6RB#0



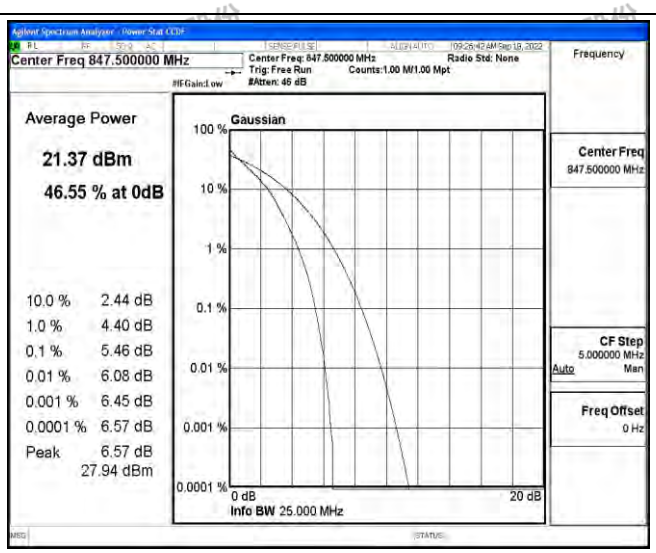
Band5-3MHz-QPSK-20415-15RB#0



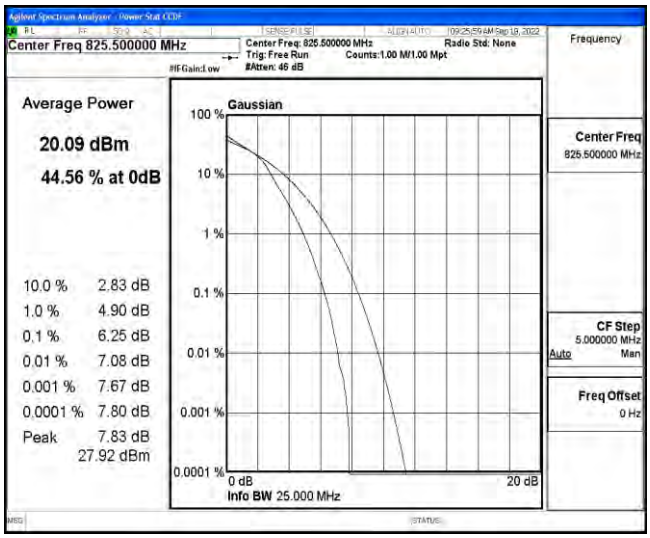
Band5-3MHz-QPSK-20525-15RB#0



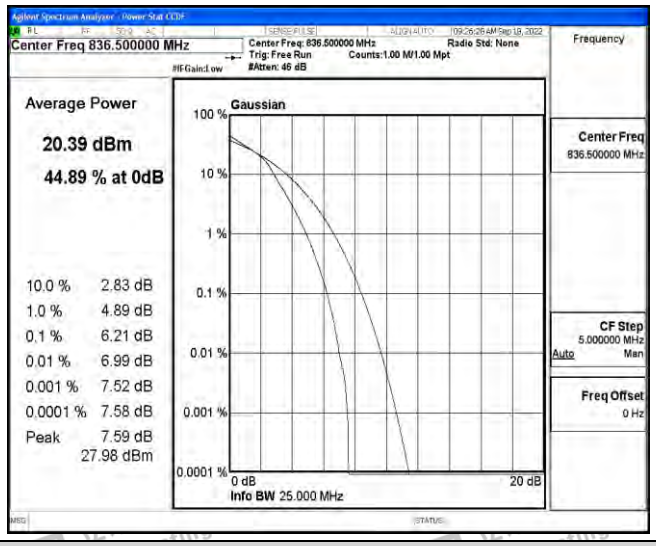
Band5-3MHz-QPSK-20635-15RB#0



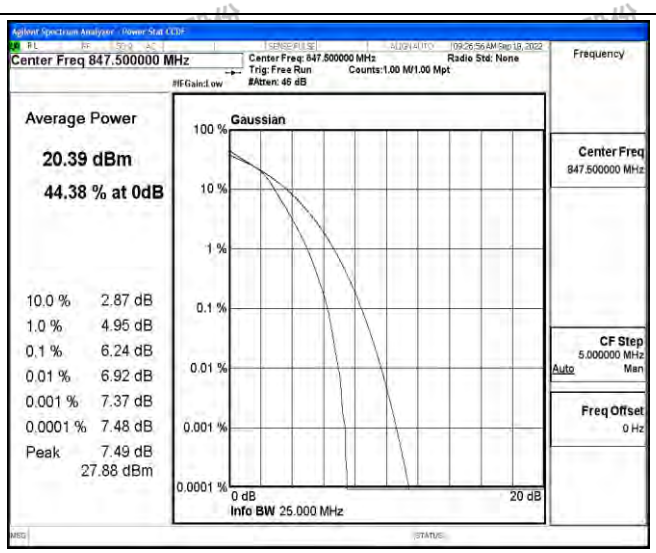
Band5-3MHz-16QAM-20415-15RB#0



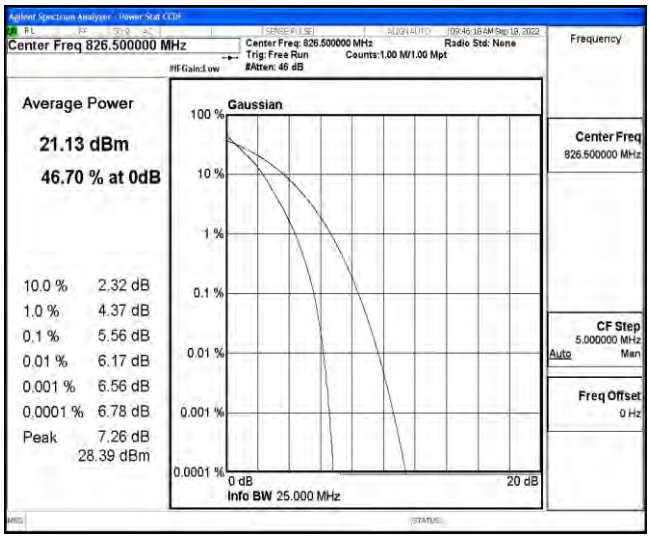
Band5-3MHz-16QAM-20525-15RB#0



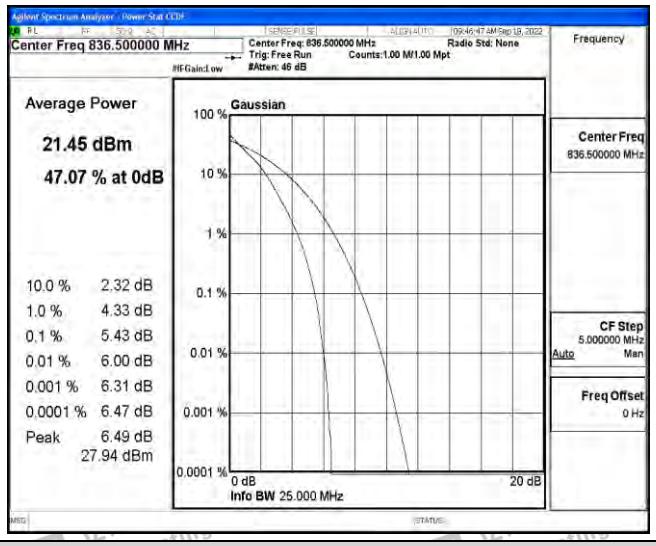
Band5-3MHz-16QAM-20635-15RB#0



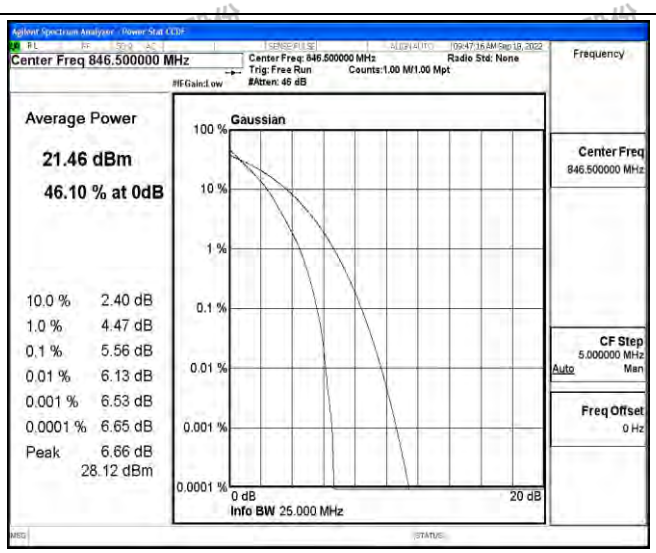
Band5-5MHz-QPSK-20425-25RB#0



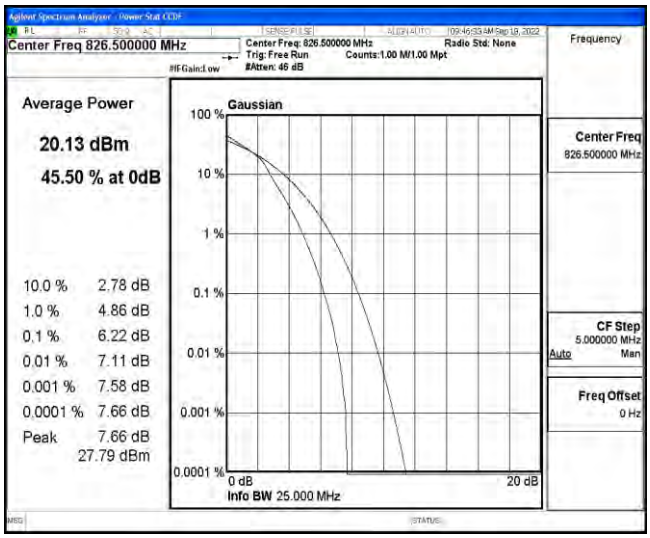
Band5-5MHz-QPSK-20525-25RB#0



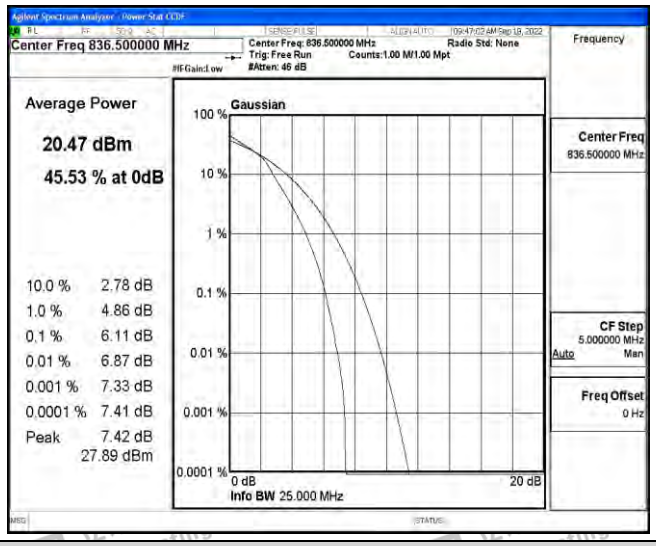
Band5-5MHz-QPSK-20625-25RB#0



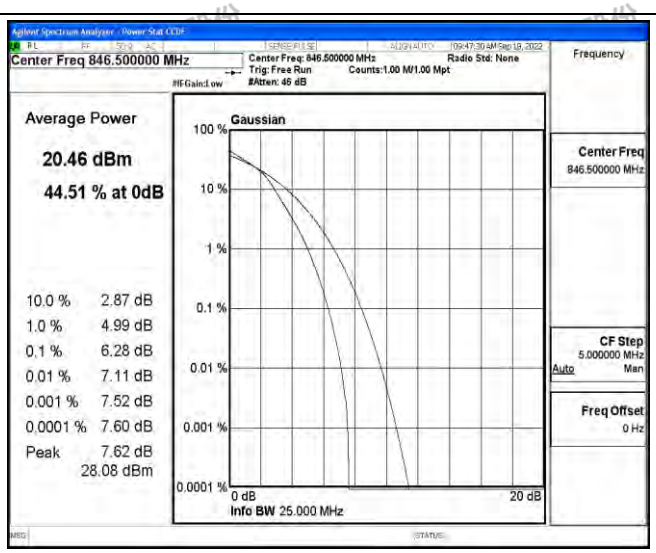
Band5-5MHz-16QAM-20425-25RB#0



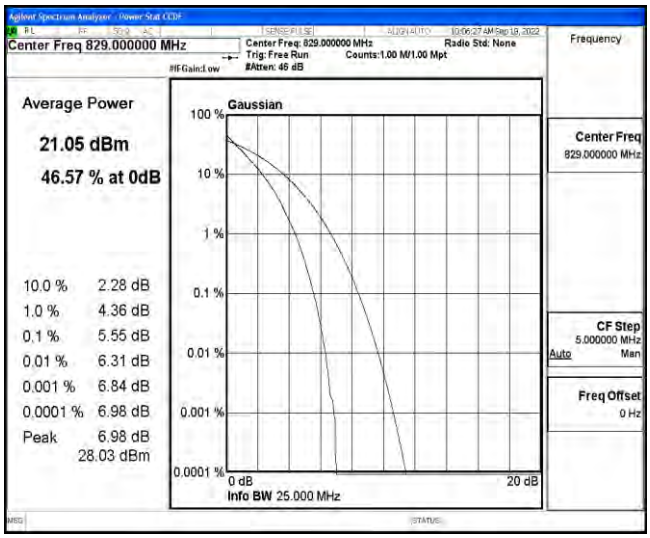
Band5-5MHz-16QAM-20525-25RB#0



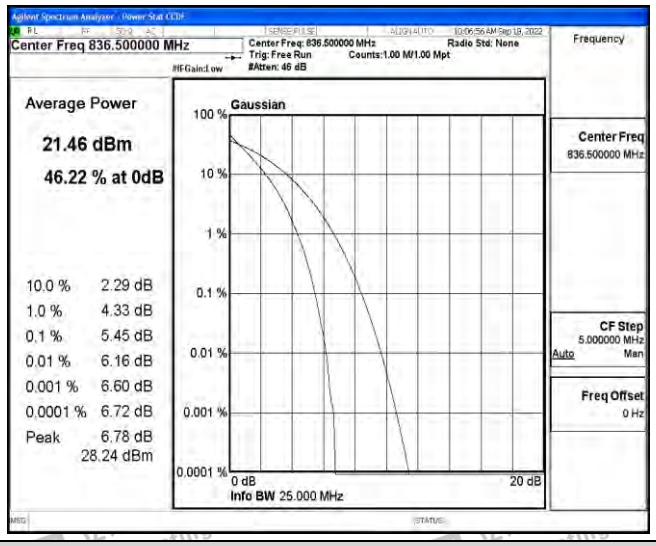
Band5-5MHz-16QAM-20625-25RB#0



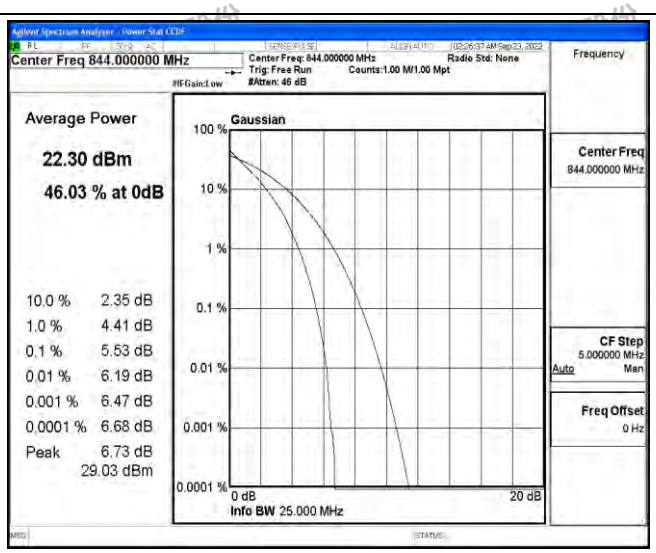
Band5-10MHz-QPSK-20450-50RB#0



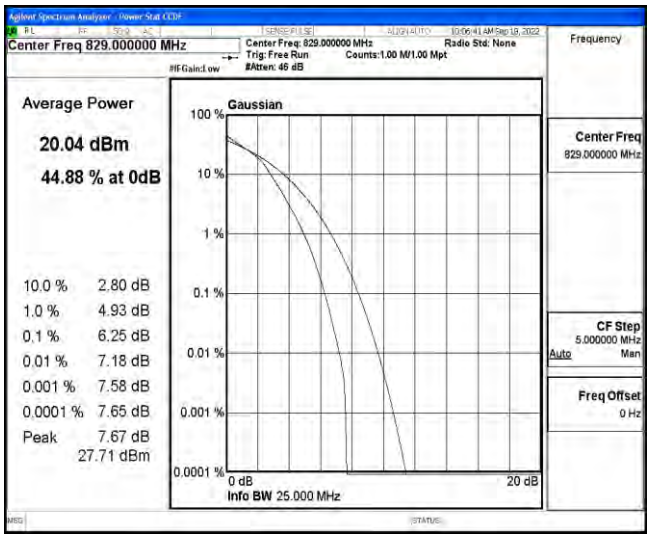
Band5-10MHz-QPSK-20525-50RB#0



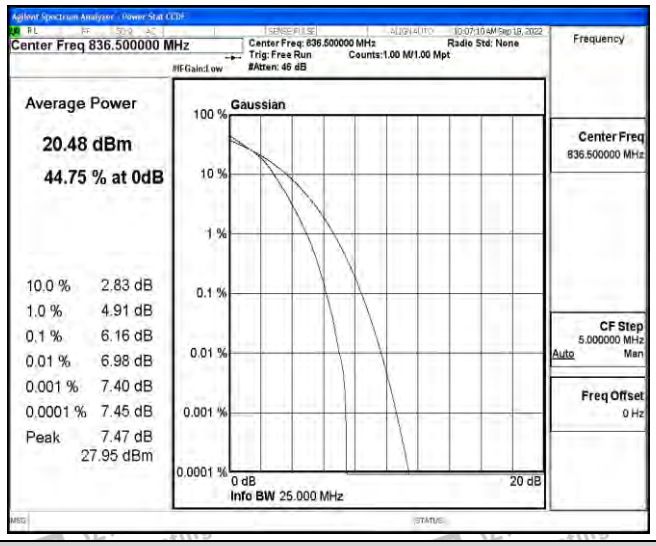
Band5-10MHz-QPSK-20600-50RB#0



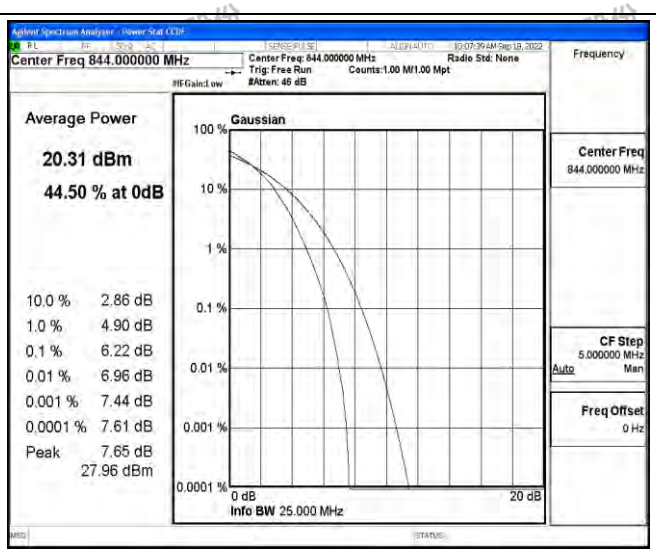
Band5-10MHz-16QAM-20450-50RB#0



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
Counts:1.00 M/1.00 Mpt
#Atten: 46 dB
Radio Std: None
Frequency
Average Power
20.31 dBm
44.50 % at 0dB
10.0 % 2.86 dB
1.0 % 4.90 dB
0.1 % 6.22 dB
0.01 % 6.96 dB
0.001 % 7.44 dB
0.0001 % 7.61 dB
Peak 7.65 dB
27.96 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

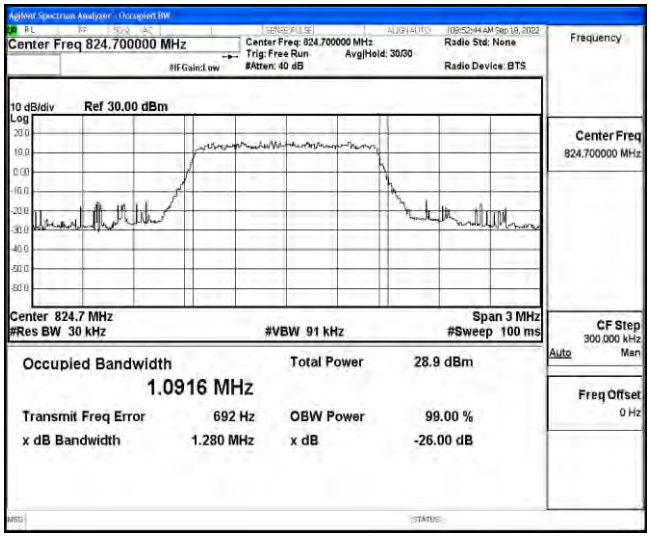
H.3 26dB Bandwidth and Occupied Bandwidth

Test Result

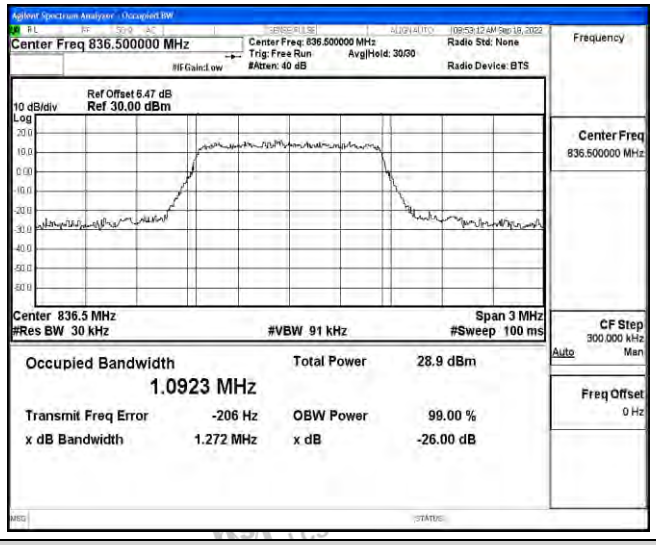
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0916	1.280	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0923	1.272	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0908	1.274	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0935	1.322	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0887	1.299	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0976	1.297	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6800	2.912	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6850	2.897	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6931	2.887	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6744	2.873	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6793	2.897	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6797	2.902	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5052	5.861	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.4956	5.409	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.4963	4.904	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.4874	4.893	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.4997	4.924	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5035	4.958	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9647	9.769	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9944	10.55	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9802	9.770	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9735	9.711	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9638	9.734	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9526	9.682	PASS

Test Graphs

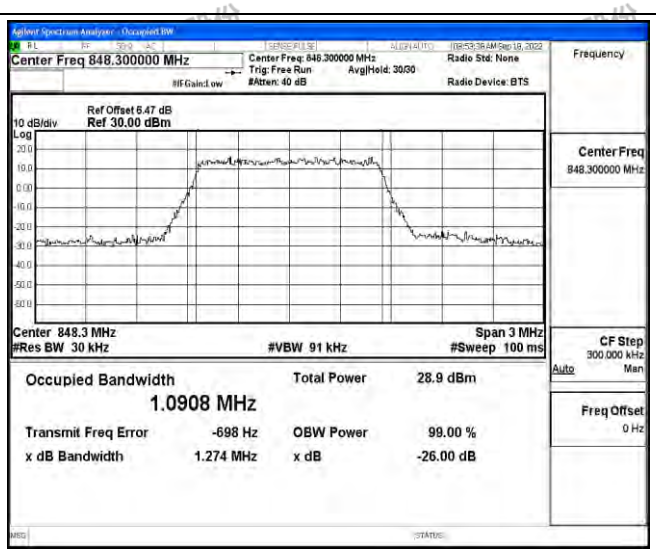
Band5-1.4MHz-QPSK-20407-6RB#0



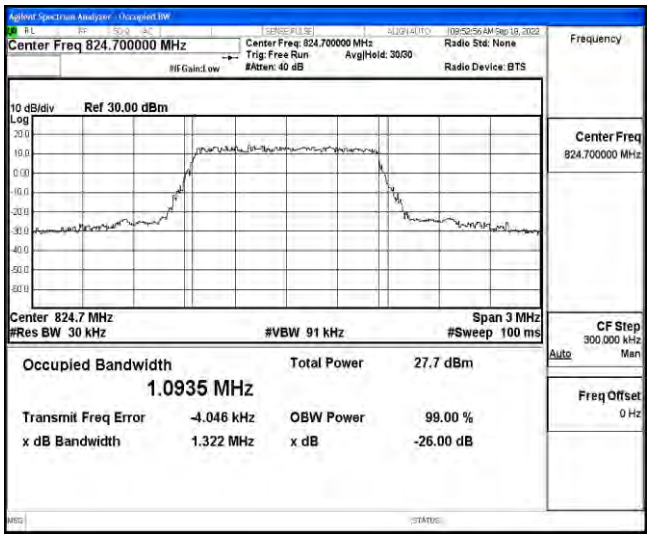
Band5-1.4MHz-QPSK-20525-6RB#0



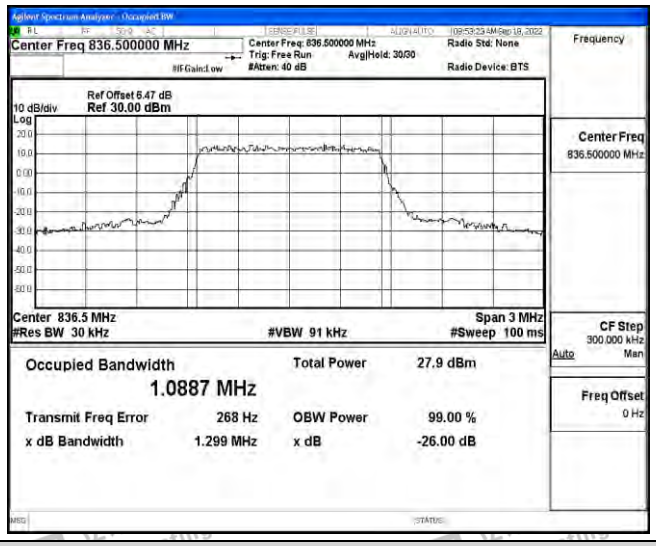
Band5-1.4MHz-QPSK-20643-6RB#0



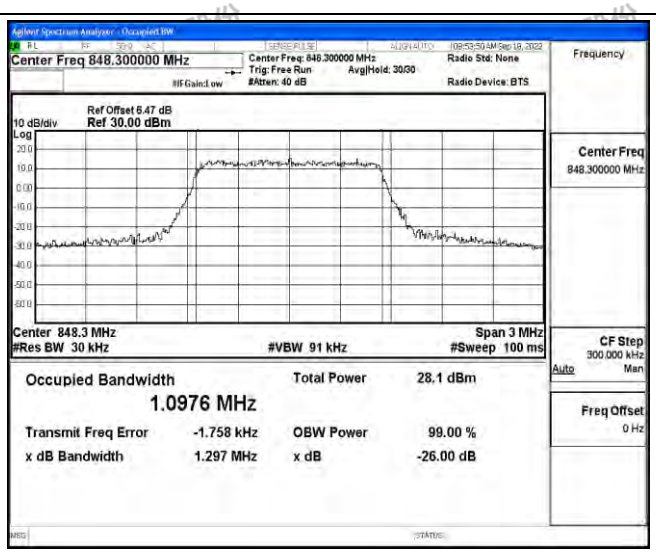
Band5-1.4MHz-16QAM-20407-6RB#0



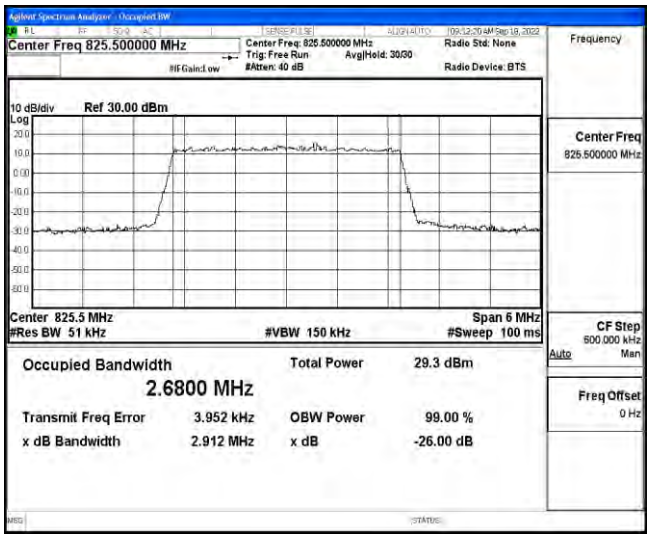
Band5-1.4MHz-16QAM-20525-6RB#0



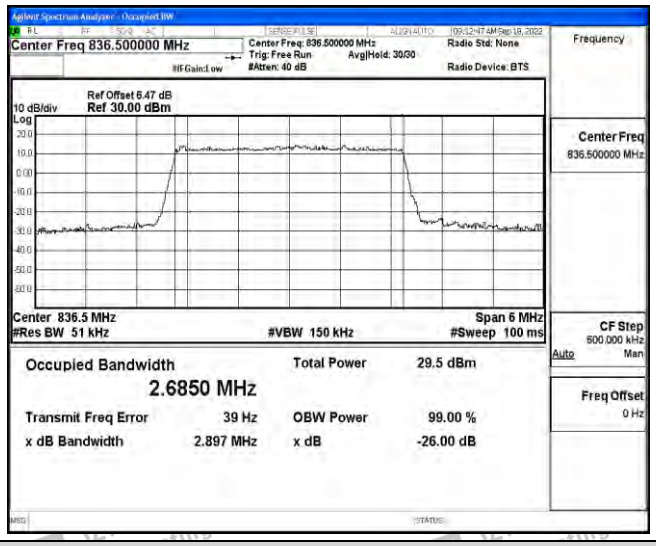
Band5-1.4MHz-16QAM-20643-6RB#0



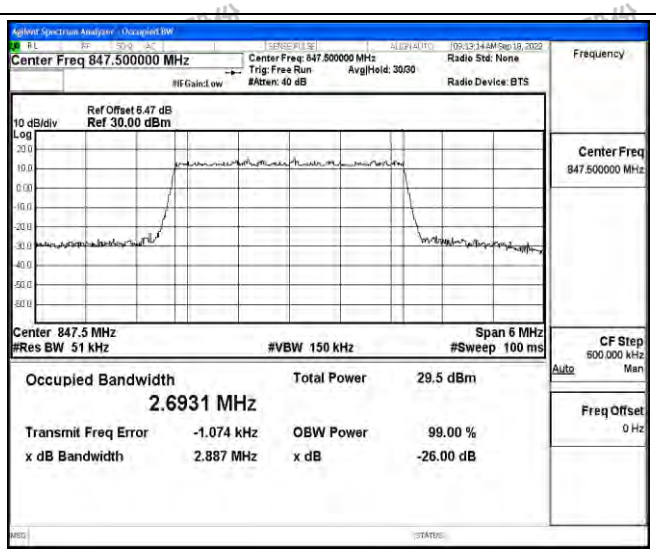
Band5-3MHz-QPSK-20415-15RB#0



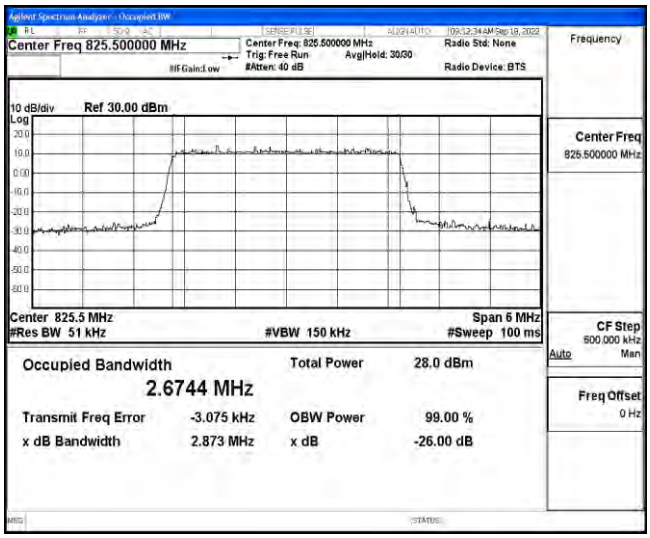
Band5-3MHz-QPSK-20525-15RB#0



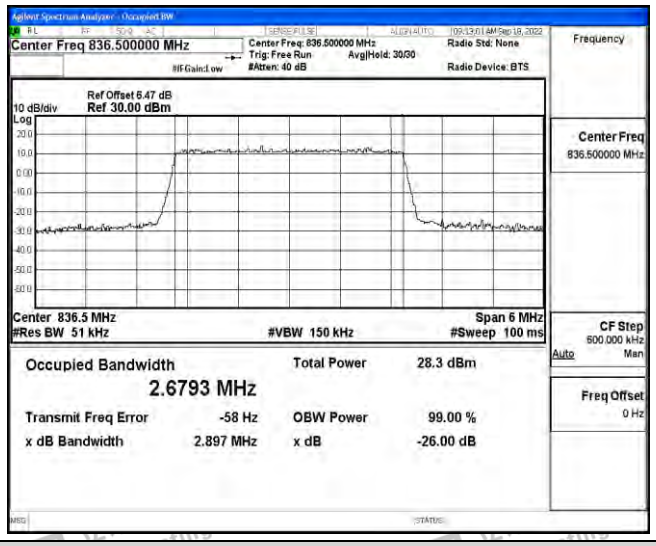
Band5-3MHz-QPSK-20635-15RB#0



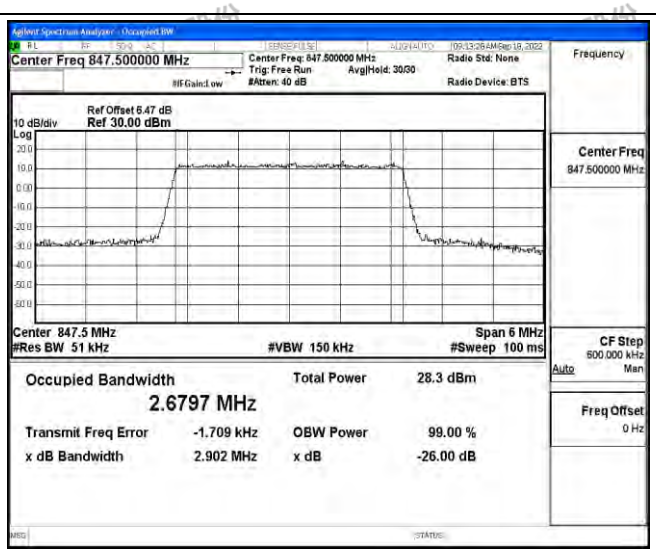
Band5-3MHz-16QAM-20415-15RB#0



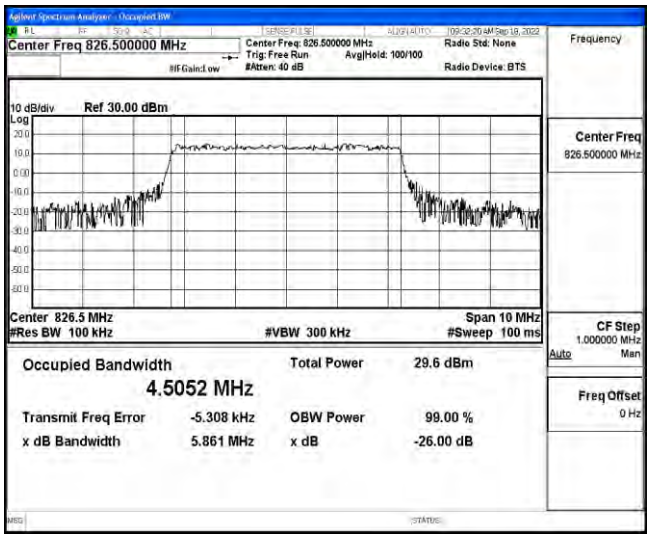
Band5-3MHz-16QAM-20525-15RB#0



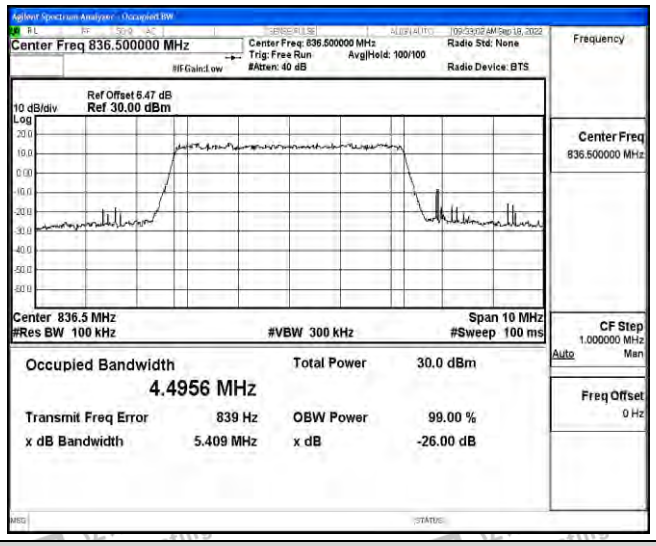
Band5-3MHz-16QAM-20635-15RB#0



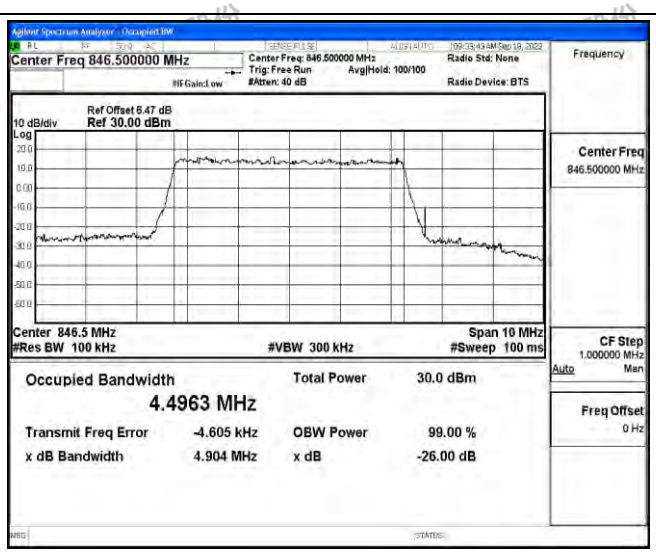
Band5-5MHz-QPSK-20425-25RB#0



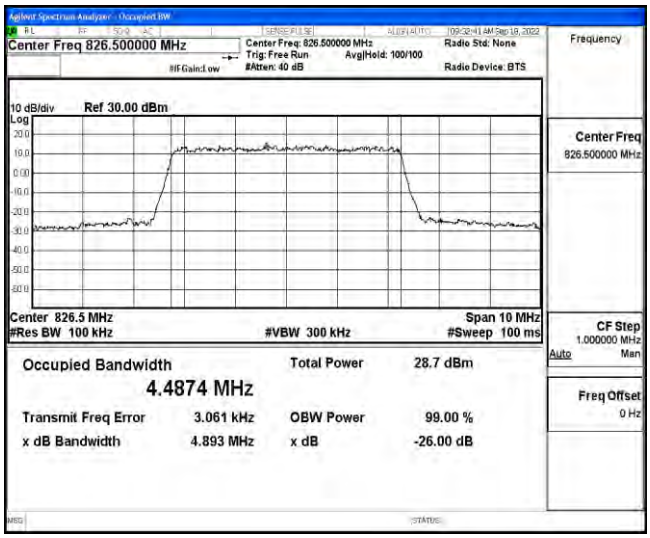
Band5-5MHz-QPSK-20525-25RB#0



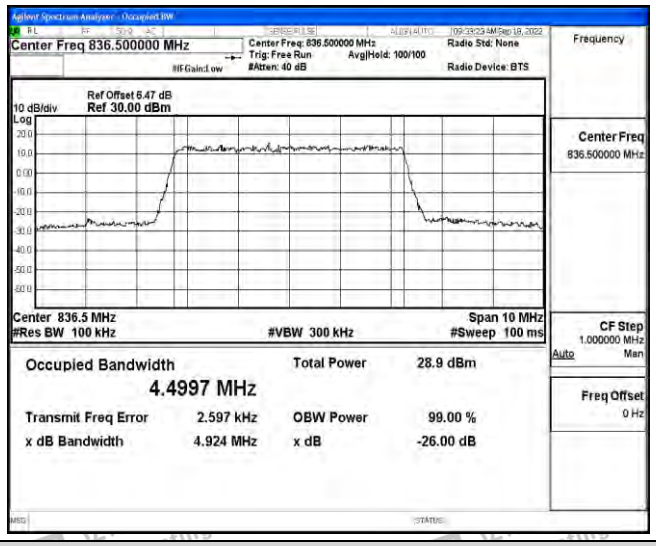
Band5-5MHz-QPSK-20625-25RB#0



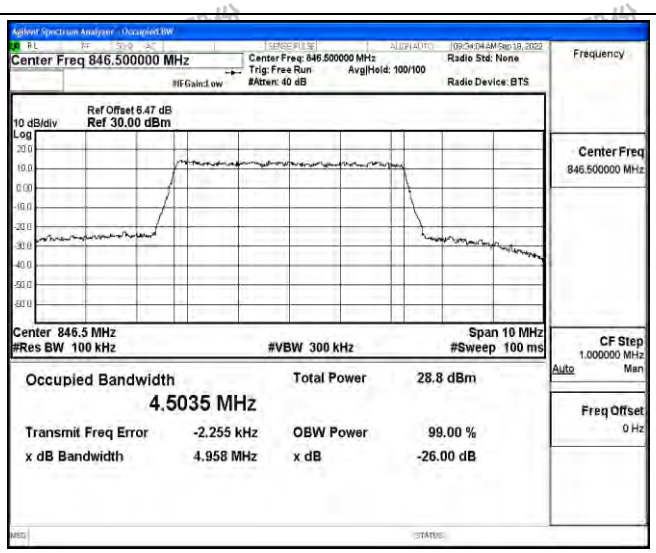
Band5-5MHz-16QAM-20425-25RB#0



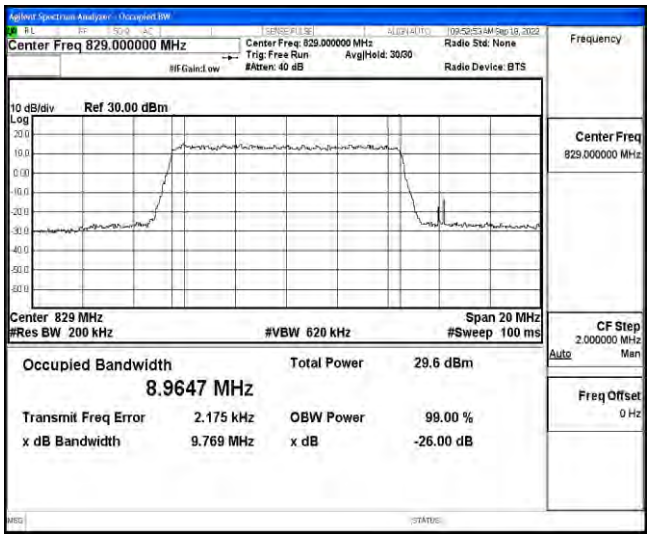
Band5-5MHz-16QAM-20525-25RB#0



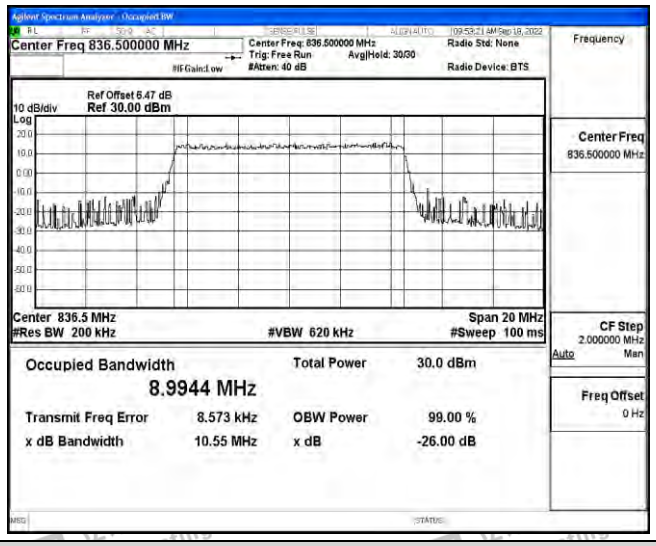
Band5-5MHz-16QAM-20625-25RB#0



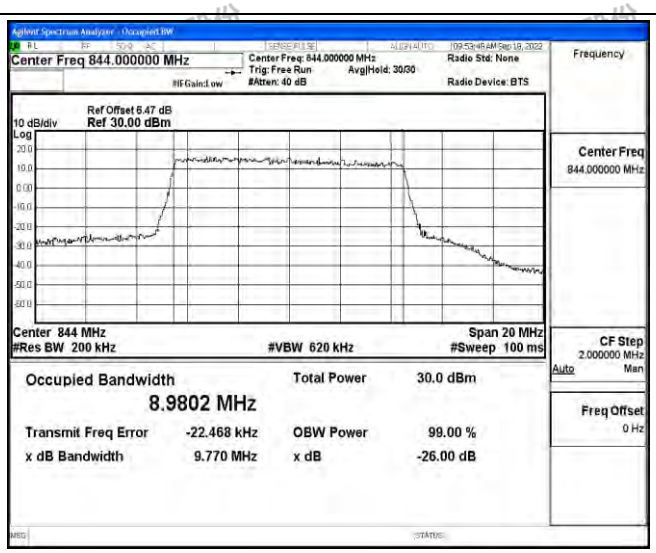
Band5-10MHz-QPSK-20450-50RB#0



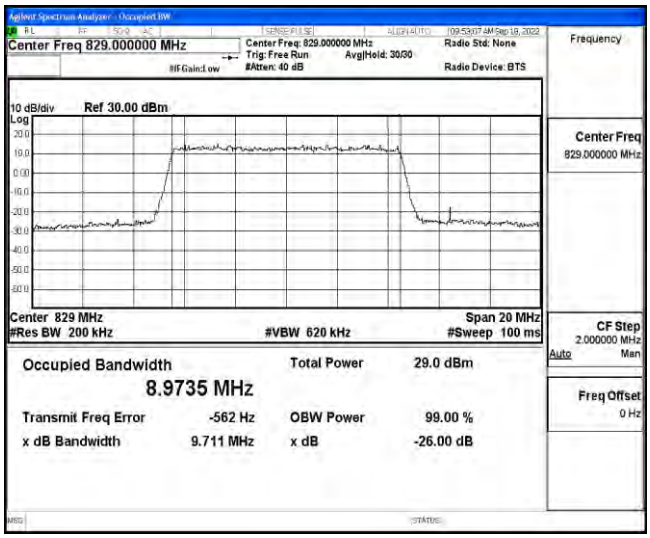
Band5-10MHz-QPSK-20525-50RB#0



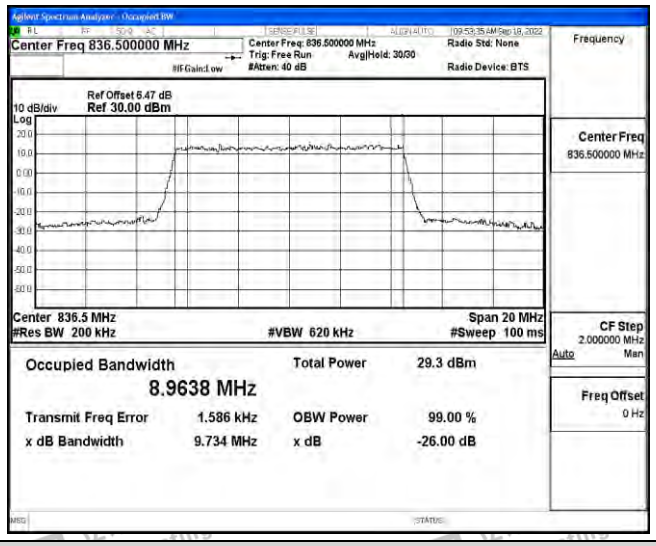
Band5-10MHz-QPSK-20600-50RB#0



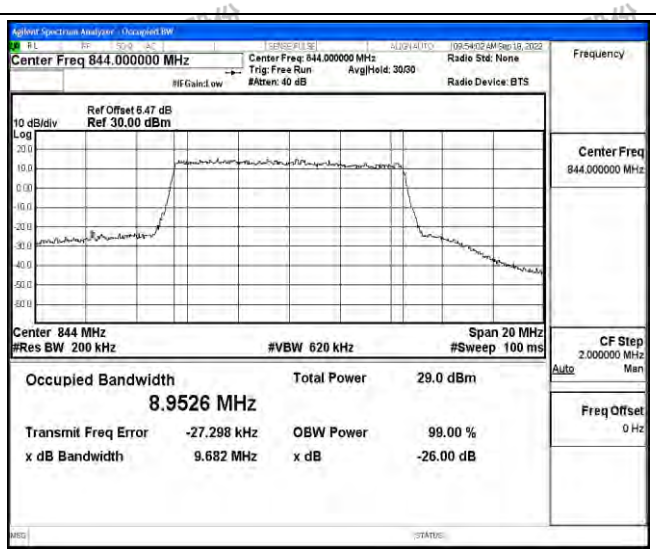
Band5-10MHz-16QAM-20450-50RB#0



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
8.9526 MHz
Total Power
29.0 dBm
Transmit Freq Error
-27.298 kHz
OBW Power
99.00 %
x dB Bandwidth
9.682 MHz
x dB
-26.00 dB
Freq Offset
0 Hz

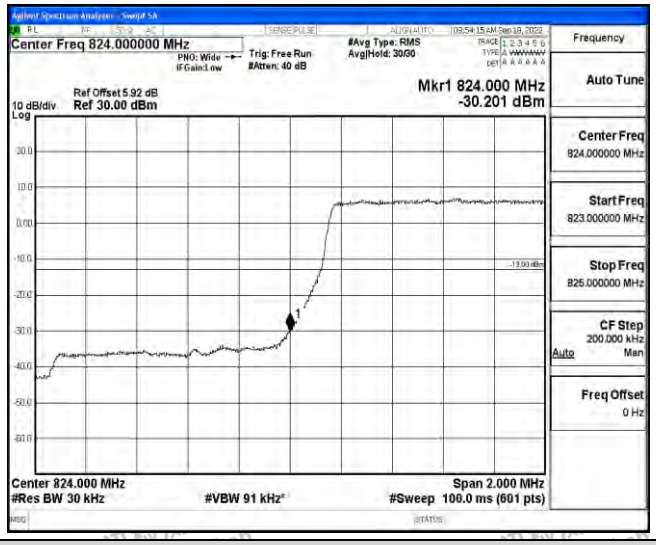
H.4 Band Edge

Test Result

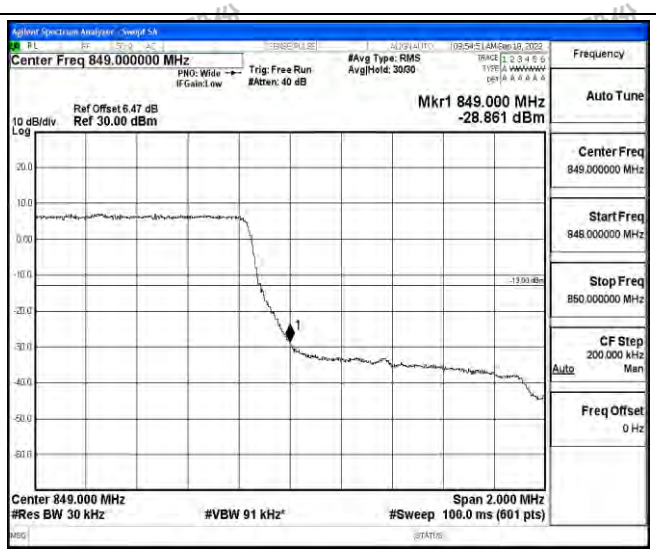
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	-30.20	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-28.86	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-30.12	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-30.34	PASS
Band5	3MHz	QPSK	20415	15RB#0	-31.42	PASS
Band5	3MHz	QPSK	20635	15RB#0	-32.27	PASS
Band5	3MHz	16QAM	20415	15RB#0	-32.81	PASS
Band5	3MHz	16QAM	20635	15RB#0	-31.90	PASS
Band5	5MHz	QPSK	20425	25RB#0	-29.96	PASS
Band5	5MHz	QPSK	20625	25RB#0	-29.63	PASS
Band5	5MHz	16QAM	20425	25RB#0	-29.99	PASS
Band5	5MHz	16QAM	20625	25RB#0	-29.71	PASS
Band5	10MHz	QPSK	20450	50RB#0	-31.50	PASS
Band5	10MHz	QPSK	20600	50RB#0	-31.98	PASS
Band5	10MHz	16QAM	20450	50RB#0	-32.42	PASS
Band5	10MHz	16QAM	20600	50RB#0	-31.82	PASS

Test Graphs

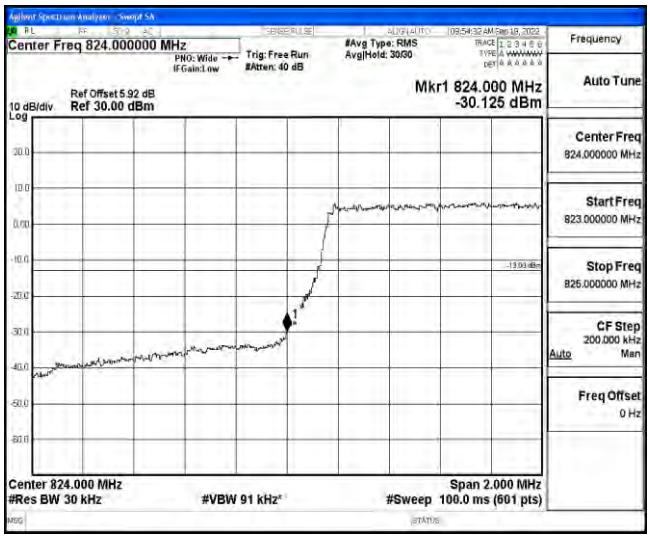
Band5-1.4MHz-QPSK-20407-6RB#0



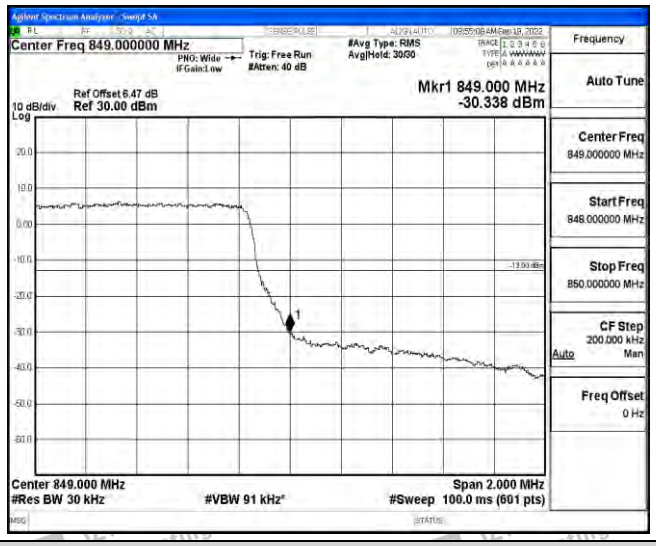
Band5-1.4MHz-QPSK-20643-6RB#0



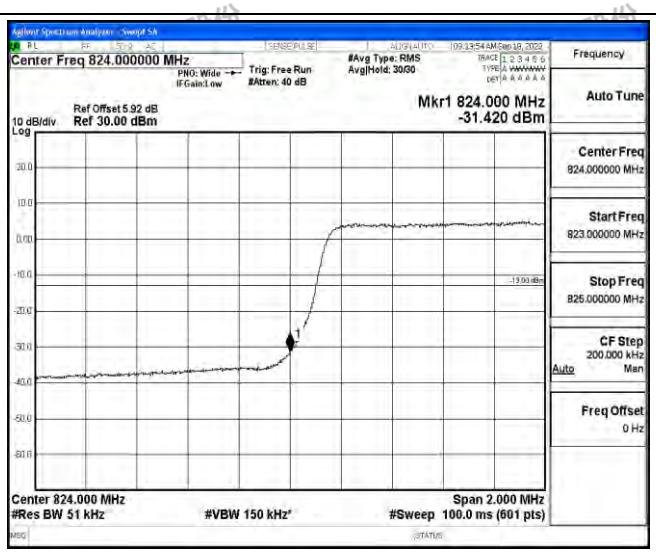
Band5-1.4MHz-16QAM-20407-6RB#0



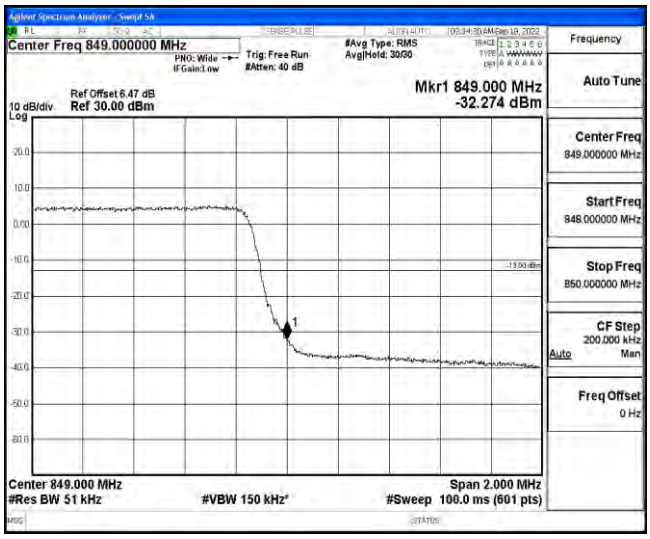
Band5-1.4MHz-16QAM-20643-6RB#0



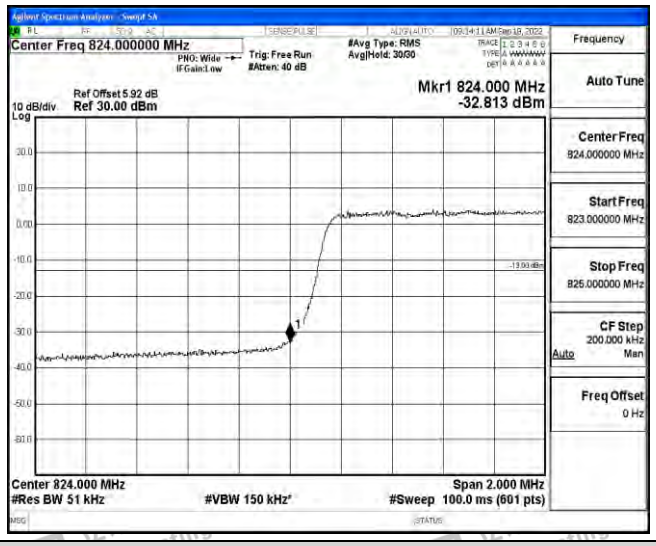
Band5-3MHz-QPSK-20415-15RB#0



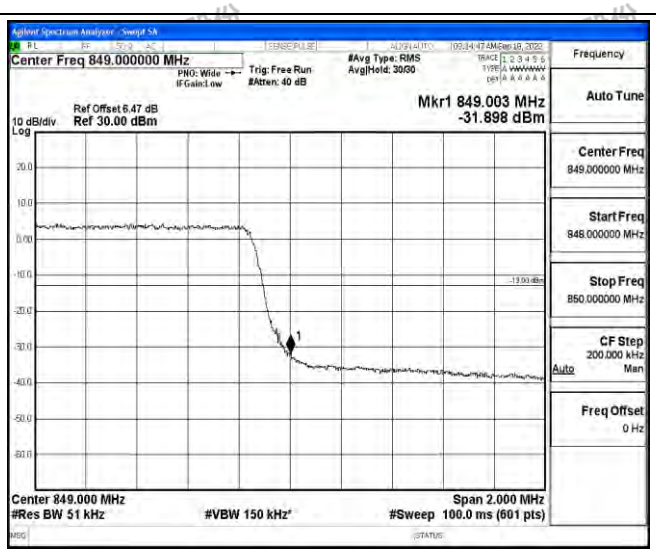
Band5-3MHz-QPSK-20635-15RB#0



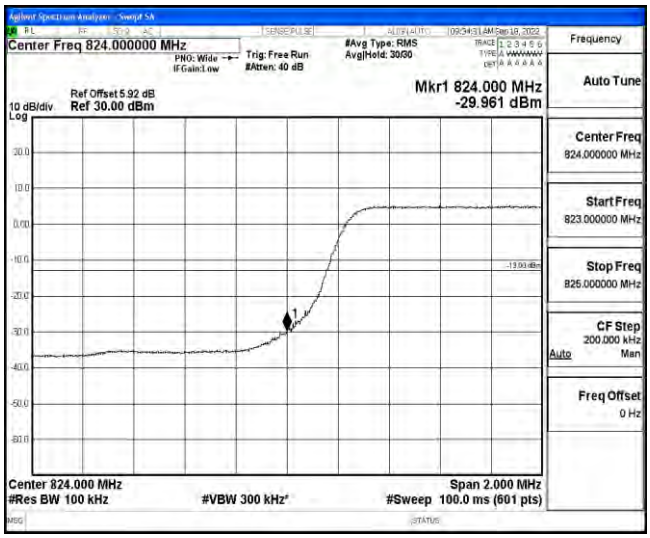
Band5-3MHz-16QAM-20415-15RB#0



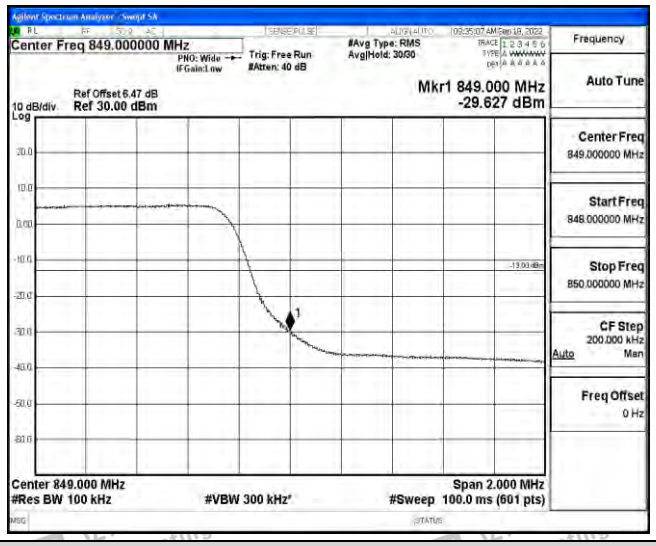
Band5-3MHz-16QAM-20635-15RB#0



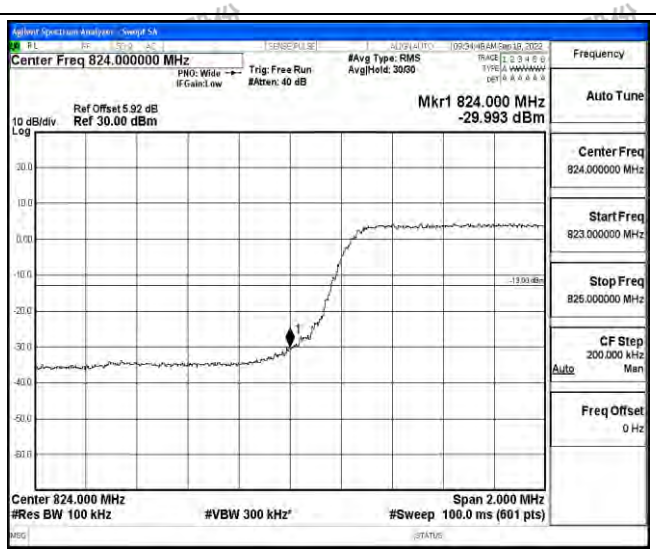
Band5-5MHz-QPSK-20425-25RB#0



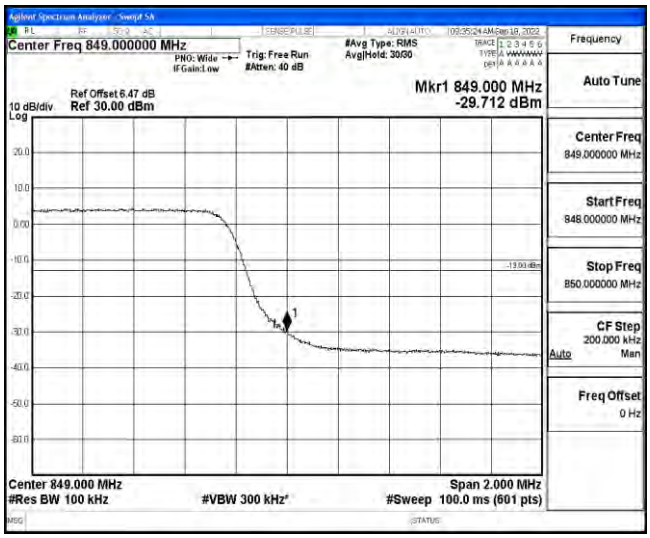
Band5-5MHz-QPSK-20625-25RB#0



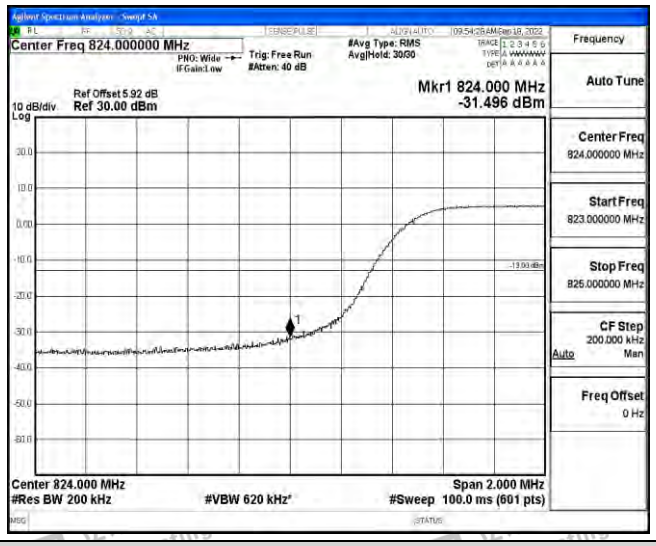
Band5-5MHz-16QAM-20425-25RB#0



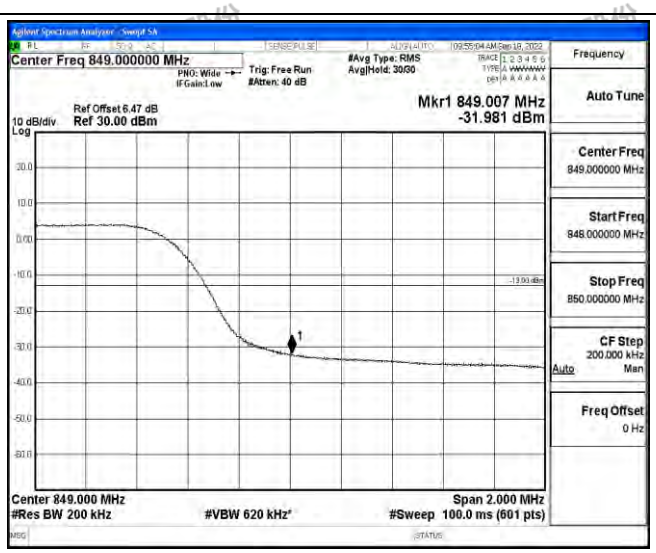
Band5-5MHz-16QAM-20625-25RB#0



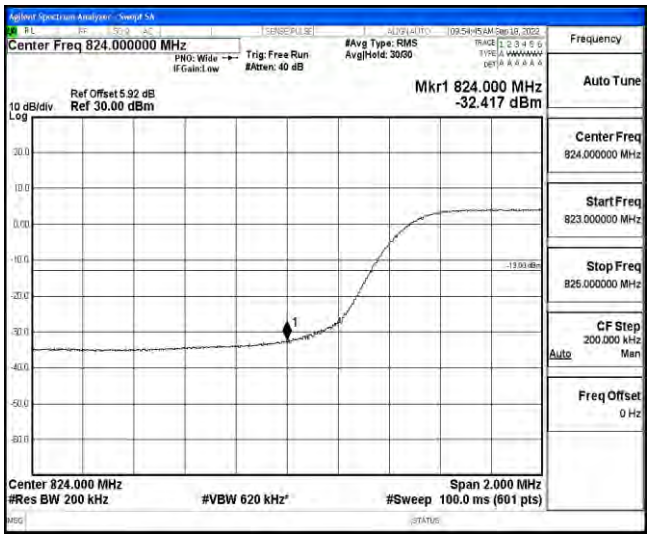
Band5-10MHz-QPSK-20450-50RB#0



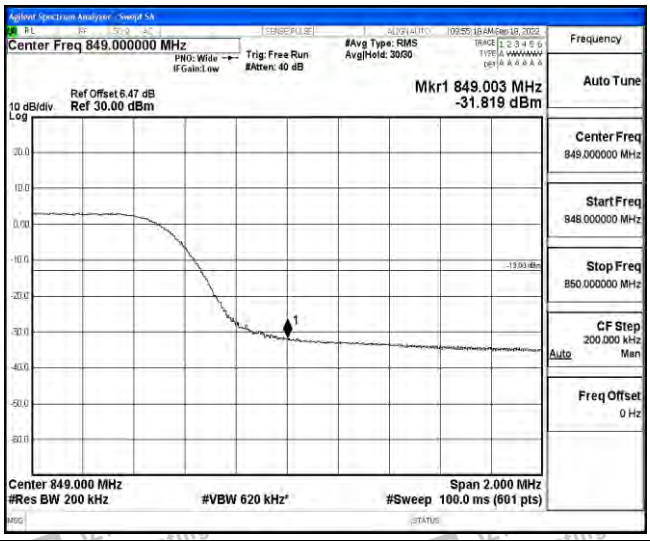
Band5-10MHz-QPSK-20600-50RB#0



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



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



H.5 Conducted Spurious Emission

Test Result

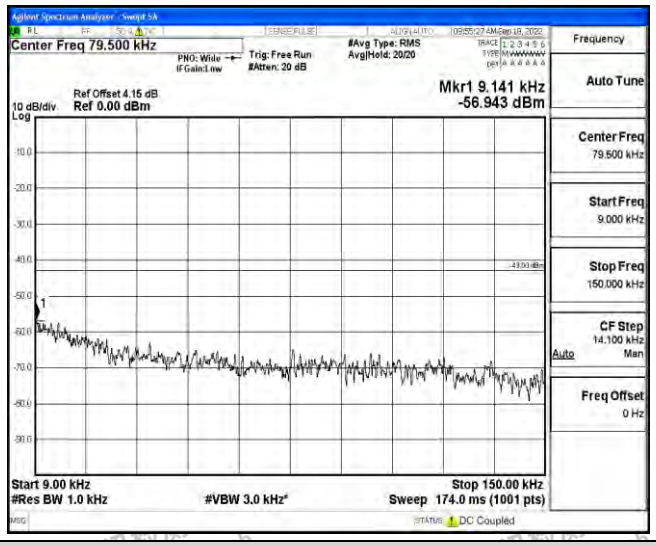
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	Range1:0.009~0.15MHz	-56.94	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range2:0.15~30MHz	-51.38	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range3:30~1000MHz	-40.1	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range4:1000~10000MHz	-42.79	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range1:0.009~0.15MHz	-55.24	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range2:0.15~30MHz	-50.74	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range3:30~1000MHz	-40.9	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range4:1000~10000MHz	-42.68	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range1:0.009~0.15MHz	-55.72	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range2:0.15~30MHz	-51.77	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range3:30~1000MHz	-40.63	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range4:1000~10000MHz	-43.57	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range1:0.009~0.15MHz	-55.21	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range2:0.15~30MHz	-50.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range3:30~1000MHz	-40.65	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range4:1000~10000MHz	-43.12	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range1:0.009~0.15MHz	-54.61	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range2:0.15~30MHz	-51.78	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range3:30~1000MHz	-39.95	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range4:1000~10000MHz	-43.38	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range1:0.009~0.15MHz	-52.33	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range2:0.15~30MHz	-51.24	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range3:30~1000MHz	-41.11	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range4:1000~10000MHz	-41.22	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range1:0.009~0.15MHz	-55.02	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range2:0.15~30MHz	-50.34	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range3:30~1000MHz	-40.46	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range4:1000~10000MHz	-42.49	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range1:0.009~0.15MHz	-54.31	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range2:0.15~30MHz	-52.14	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range3:30~1000MHz	-41.19	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range4:1000~10000MHz	-42.81	PASS
Band5	3MHz	QPSK	20635	1RB#0	Range1:0.009~0.15MHz	-55.39	PASS

Band5	3MHz	QPSK	20635	1RB#0	Range2:0.15~30MHz	-50.86	PASS
Band5	3MHz	QPSK	20635	1RB#0	Range3:30~1000MHz	-41.06	PASS
Band5	3MHz	QPSK	20635	1RB#0	Range4:1000~10000MHz	-28.21	PASS
Band5	3MHz	16QAM	20415	1RB#0	Range1:0.009~0.15MHz	-55.68	PASS
Band5	3MHz	16QAM	20415	1RB#0	Range2:0.15~30MHz	-51.41	PASS
Band5	3MHz	16QAM	20415	1RB#0	Range3:30~1000MHz	-39.64	PASS
Band5	3MHz	16QAM	20415	1RB#0	Range4:1000~10000MHz	-42.63	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range1:0.009~0.15MHz	-54.61	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range2:0.15~30MHz	-52.25	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range3:30~1000MHz	-40.99	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range4:1000~10000MHz	-43.34	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range1:0.009~0.15MHz	-54.98	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range2:0.15~30MHz	-50.62	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range3:30~1000MHz	-40.91	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range4:1000~10000MHz	-42.92	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range1:0.009~0.15MHz	-56.29	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range2:0.15~30MHz	-51.86	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range3:30~1000MHz	-40.36	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range4:1000~10000MHz	-42.85	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range1:0.009~0.15MHz	-56.12	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range2:0.15~30MHz	-48.55	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range3:30~1000MHz	-40.42	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range4:1000~10000MHz	-42.9	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range1:0.009~0.15MHz	-56.76	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range2:0.15~30MHz	-50.87	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range3:30~1000MHz	-40.37	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range4:1000~10000MHz	-44.42	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range1:0.009~0.15MHz	-54.94	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range2:0.15~30MHz	-51.28	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range3:30~1000MHz	-41.27	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range4:1000~10000MHz	-43.25	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range1:0.009~0.15MHz	-56.84	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range2:0.15~30MHz	-51.51	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range3:30~1000MHz	-39.68	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range4:1000~10000MHz	-43.25	PASS
Band5	5MHz	16QAM	20625	1RB#0	Range1:0.009~0.15MHz	-54.61	PASS
Band5	5MHz	16QAM	20625	1RB#0	Range2:0.15~30MHz	-50.89	PASS
Band5	5MHz	16QAM	20625	1RB#0	Range3:30~1000MHz	-40.48	PASS
Band5	5MHz	16QAM	20625	1RB#0	Range4:1000~10000MHz	-44.32	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range1:0.009~0.15MHz	-55.72	PASS

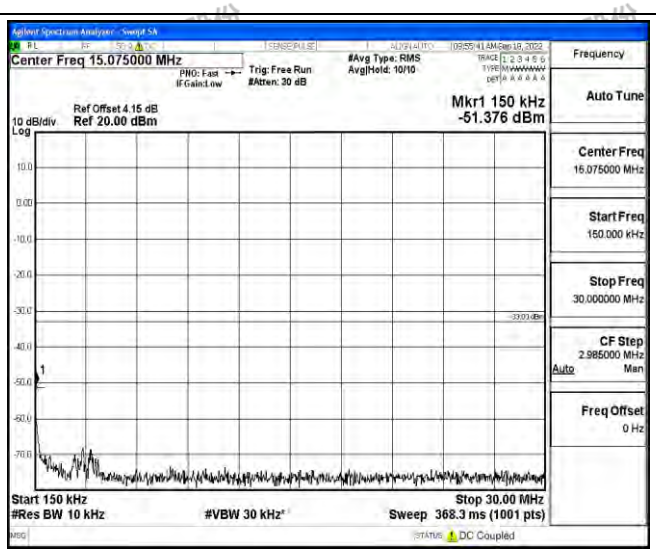
Band5	10MHz	QPSK	20450	1RB#0	Range2:0.15~30MHz	-51.39	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range3:30~1000MHz	-40.67	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range4:1000~10000MHz	-42.52	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range1:0.009~0.15MHz	-54.98	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range2:0.15~30MHz	-51.24	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range3:30~1000MHz	-40.07	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range4:1000~10000MHz	-42.99	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range1:0.009~0.15MHz	-56.95	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range2:0.15~30MHz	-51.01	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range3:30~1000MHz	-40.86	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range4:1000~10000MHz	-43.63	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	-50.33	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range3:30~1000MHz	-40.54	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range4:1000~10000MHz	-43.39	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range1:0.009~0.15MHz	-56.33	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range2:0.15~30MHz	-51.28	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range3:30~1000MHz	-41.02	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range4:1000~10000MHz	-43.49	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	-49.49	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range3:30~1000MHz	-40.94	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range4:1000~10000MHz	-43.82	PASS

Test Graphs

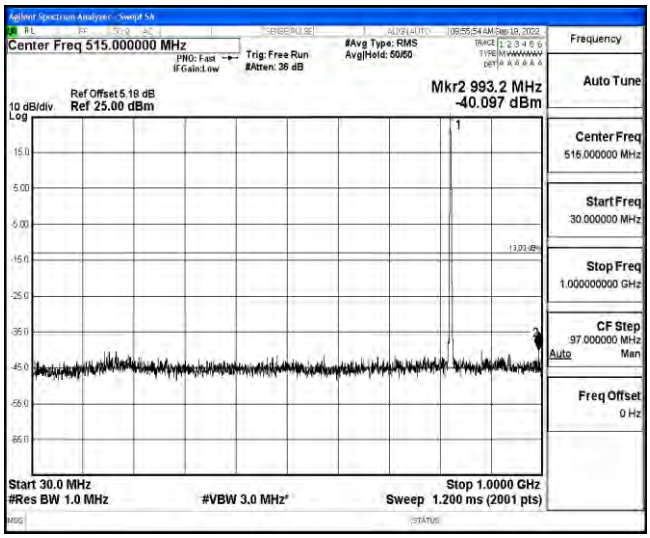
Band5-1.4MHz-QPSK-20407-1RB#0-Range1:0.009~0.15MHz



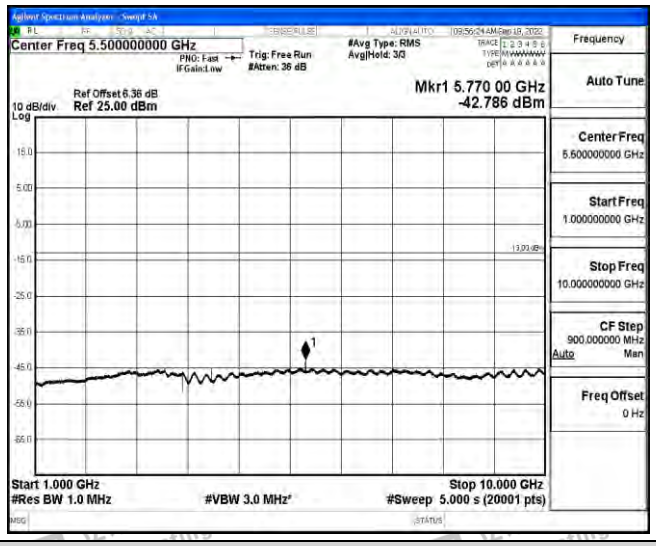
Band5-1.4MHz-QPSK-20407-1RB#0-Range2:0.15~30MHz



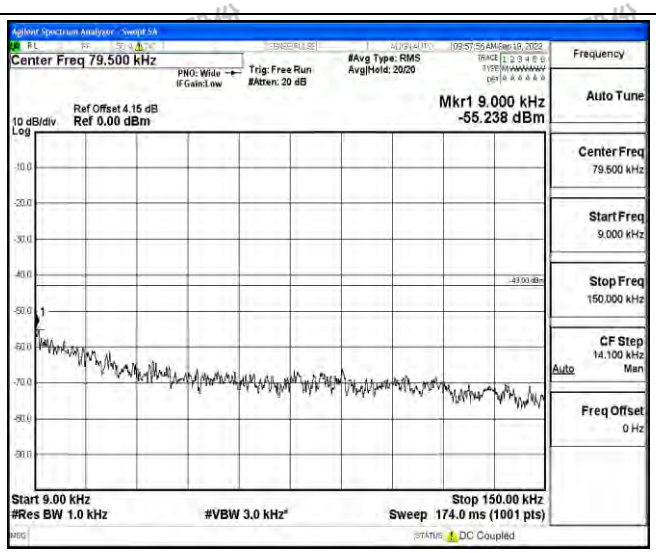
Band5-1.4MHz-QPSK-20407-1RB#0-Range3:30~1000MHz



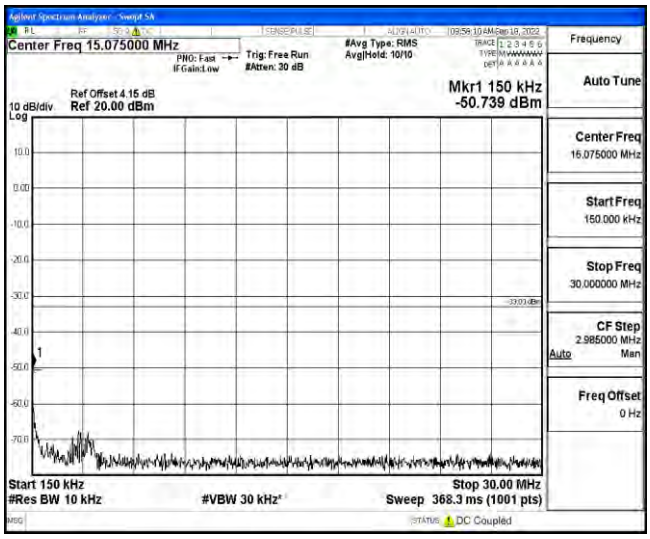
Band5-1.4MHz-QPSK-20407-1RB#0-Range4:1000~10000MHz



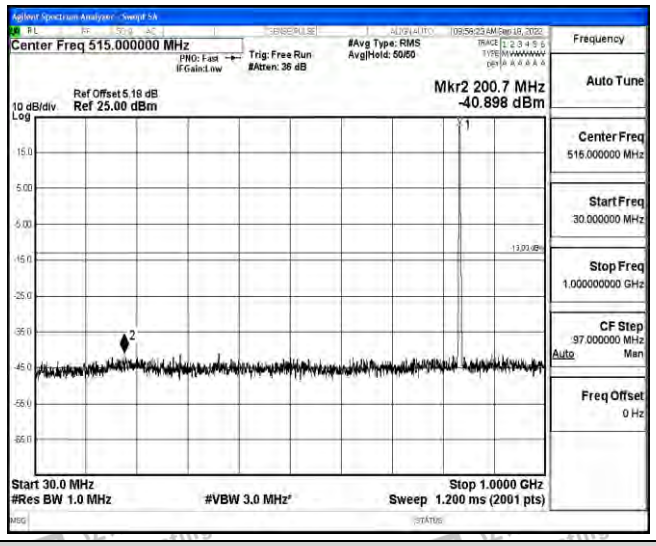
Band5-1.4MHz-QPSK-20525-1RB#0-Range1:0.009~0.15MHz



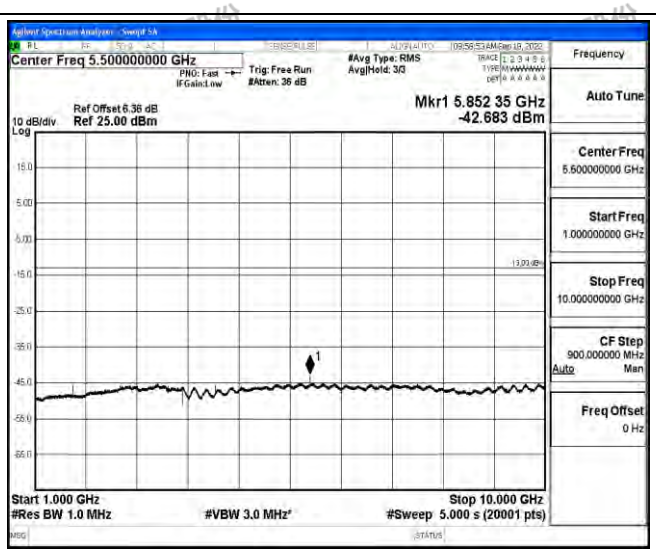
Band5-1.4MHz-QPSK-20525-1RB#0-Range2:0.15~30MHz



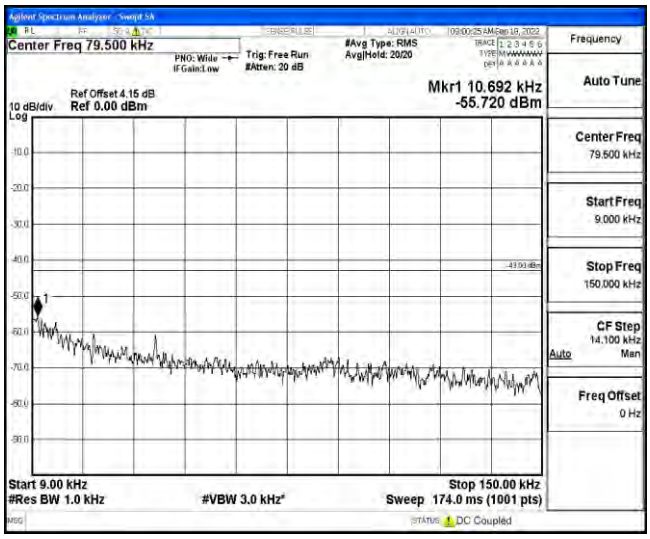
Band5-1.4MHz-QPSK-20525-1RB#0-Range3:30~1000MHz



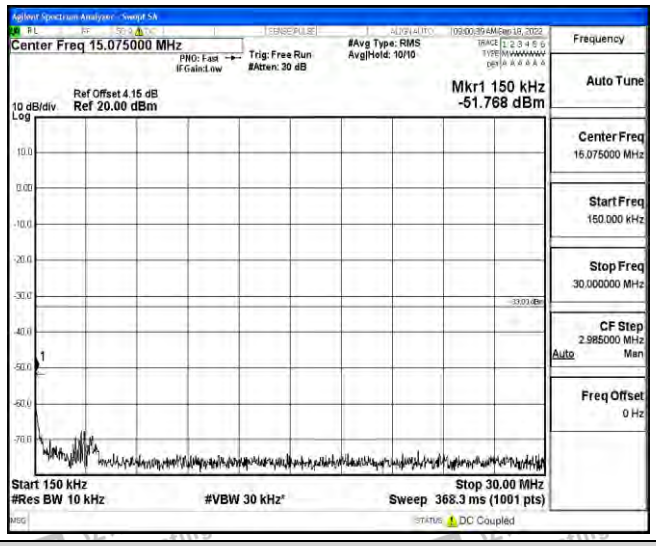
Band5-1.4MHz-QPSK-20525-1RB#0-Range4:1000~10000MHz



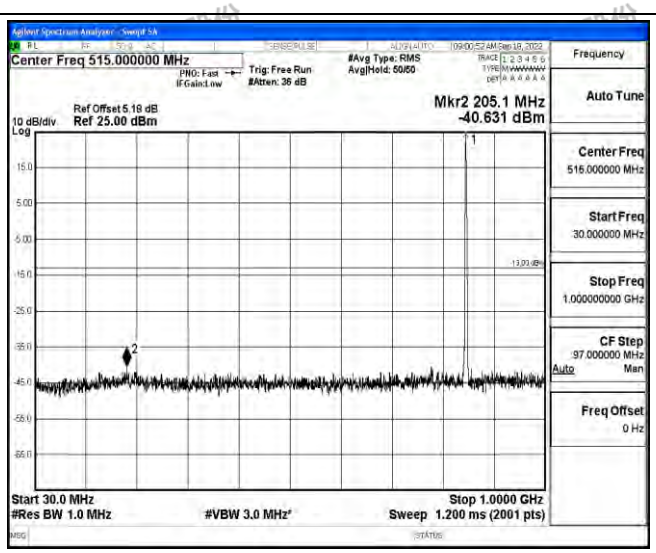
Band5-1.4MHz-QPSK-20643-1RB#0-Range1:0.009~0.15MHz



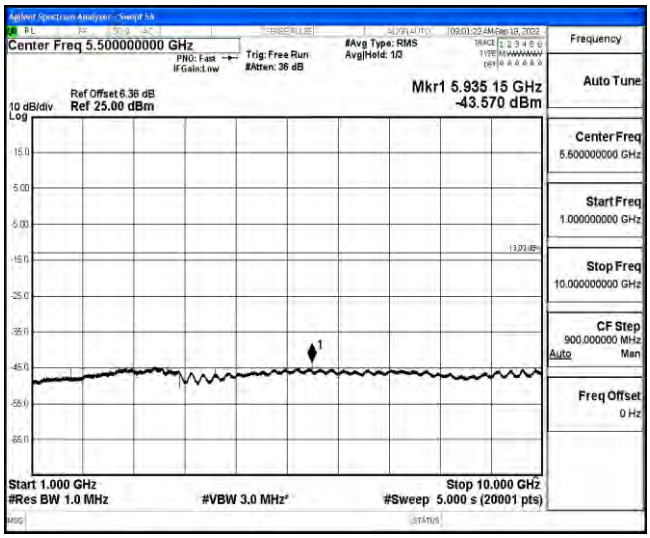
Band5-1.4MHz-QPSK-20643-1RB#0-Range2:0.15~30MHz



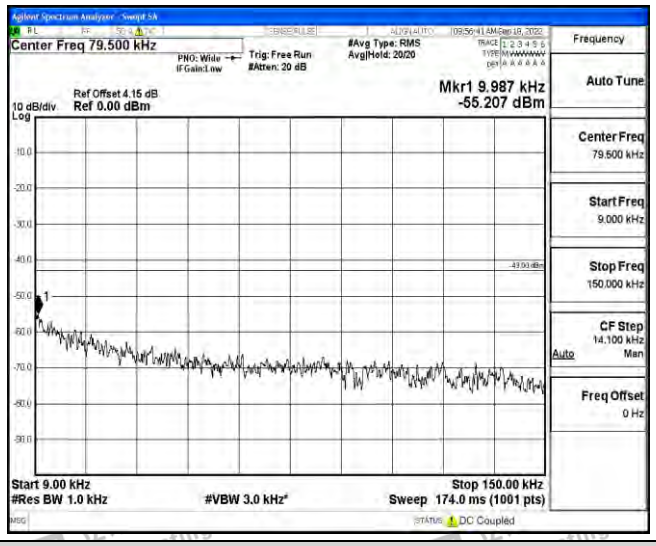
Band5-1.4MHz-QPSK-20643-1RB#0-Range3:30~1000MHz



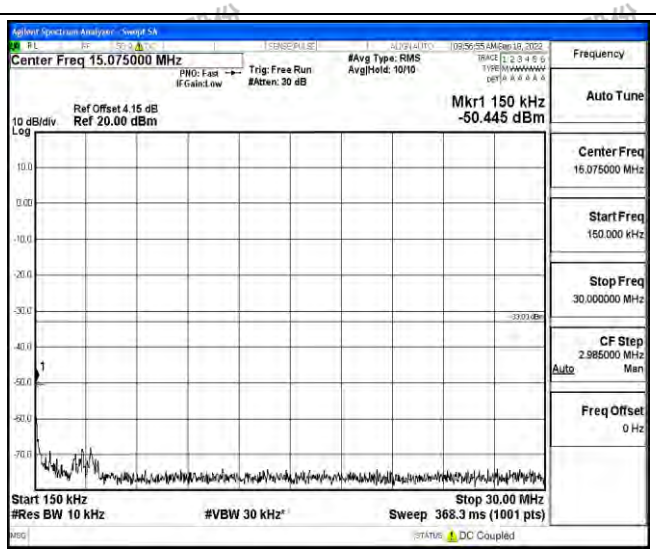
Band5-1.4MHz-QPSK-20643-1RB#0-Range4:1000~10000MHz



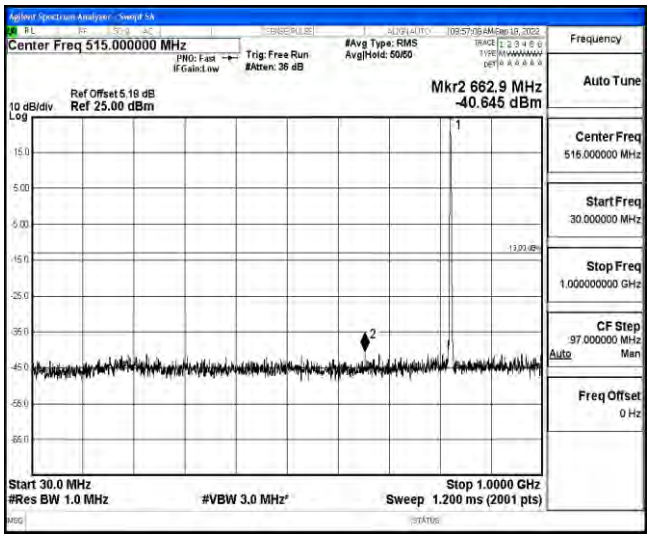
Band5-1.4MHz-16QAM-20407-1RB#0-Range1:0.009~0.15MHz



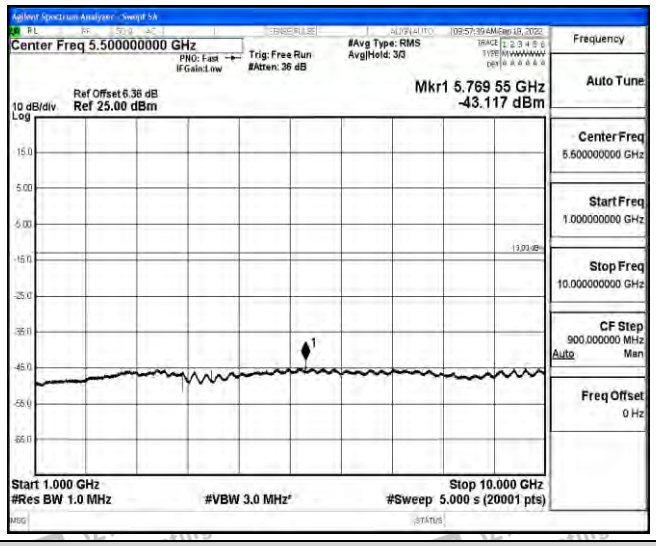
Band5-1.4MHz-16QAM-20407-1RB#0-Range2:0.15~30MHz



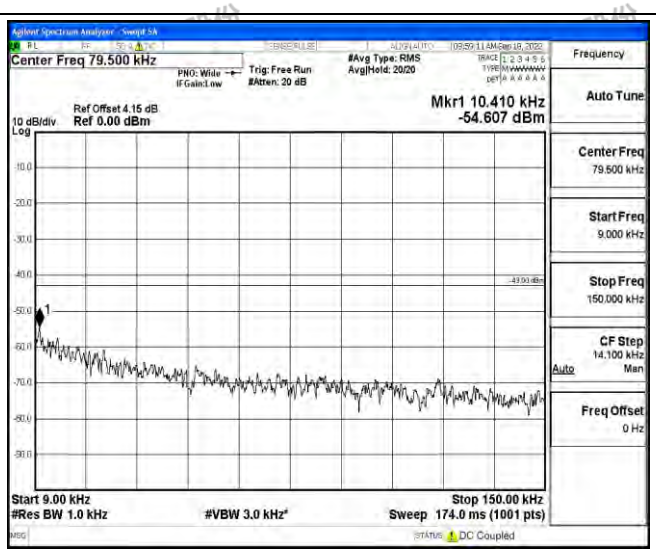
Band5-1.4MHz-16QAM-20407-1RB#0-Range3:30~1000MHz



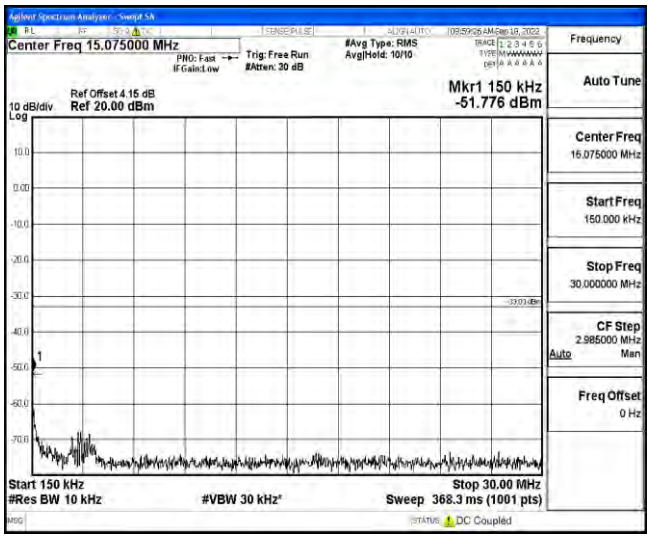
Band5-1.4MHz-16QAM-20407-1RB#0-Range4:1000~10000MHz



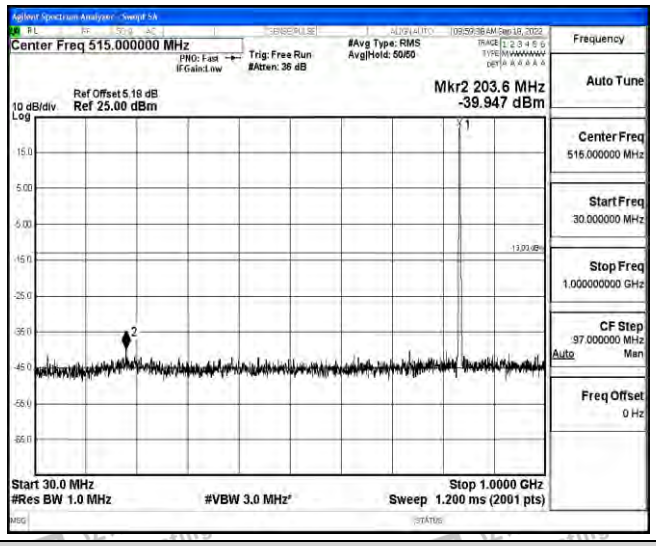
Band5-1.4MHz-16QAM-20525-1RB#0-Range1:0.009~0.15MHz



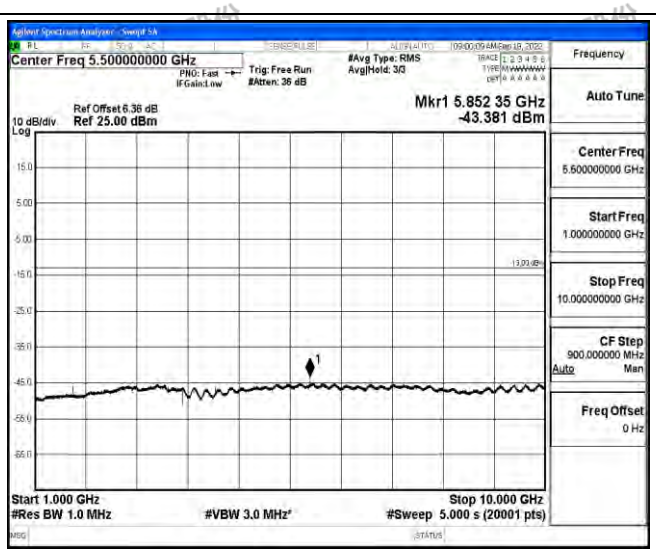
Band5-1.4MHz-16QAM-20525-1RB#0-Range2:0.15~30MHz



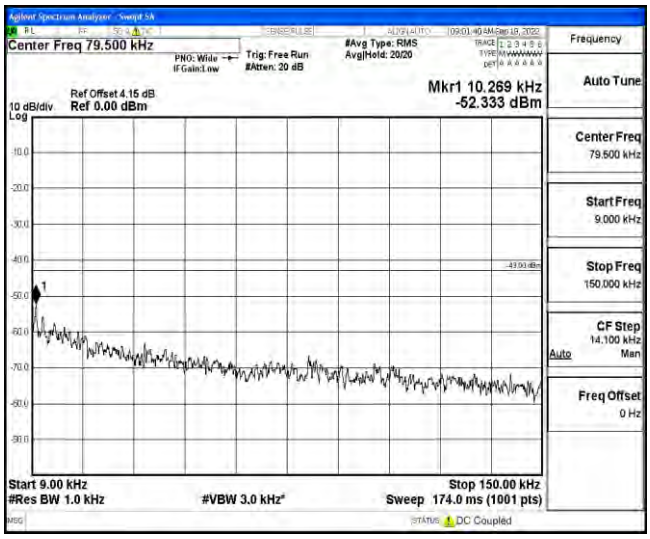
Band5-1.4MHz-16QAM-20525-1RB#0-Range3:30~1000MHz



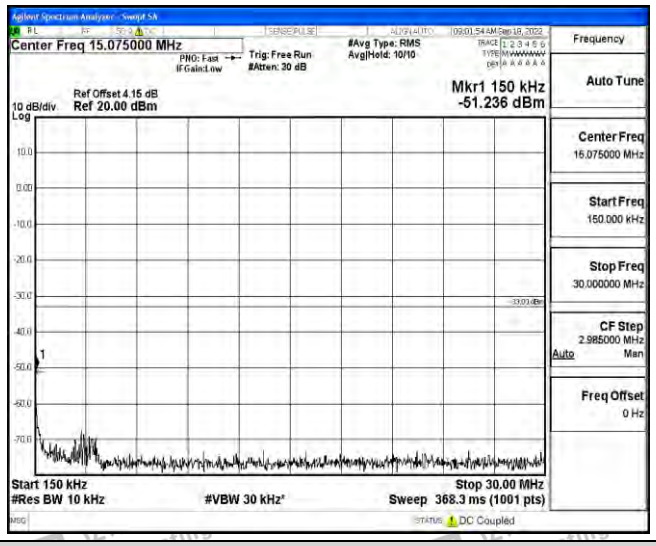
Band5-1.4MHz-16QAM-20525-1RB#0-Range4:1000~10000MHz



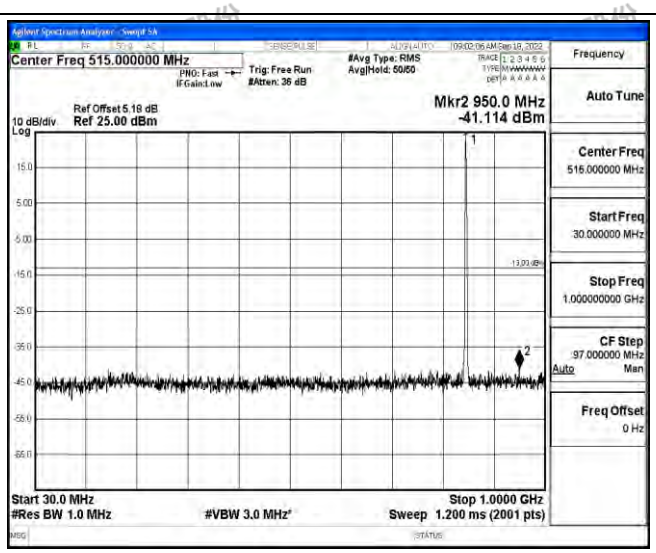
Band5-1.4MHz-16QAM-20643-1RB#0-Range1:0.009~0.15MHz



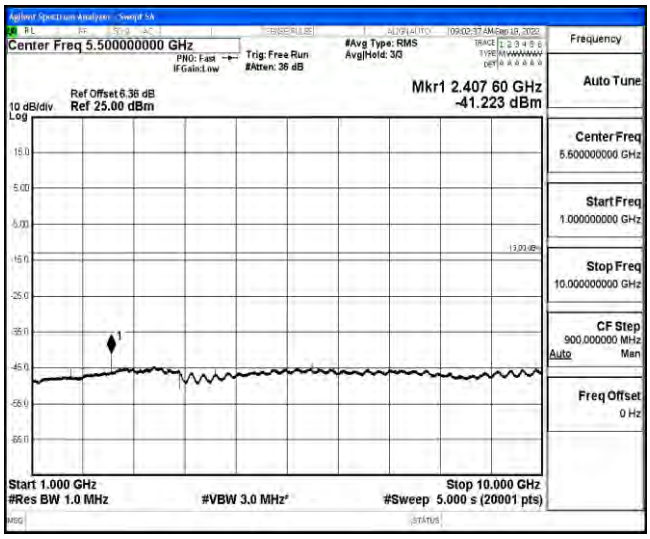
Band5-1.4MHz-16QAM-20643-1RB#0-Range2:0.15~30MHz



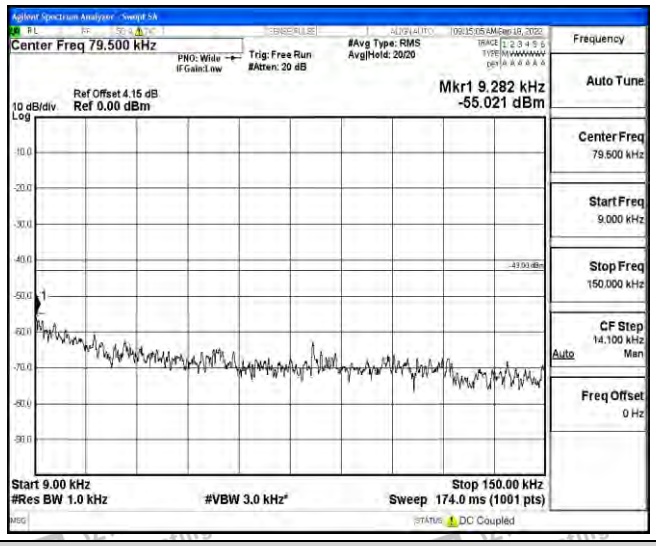
Band5-1.4MHz-16QAM-20643-1RB#0-Range3:30~1000MHz



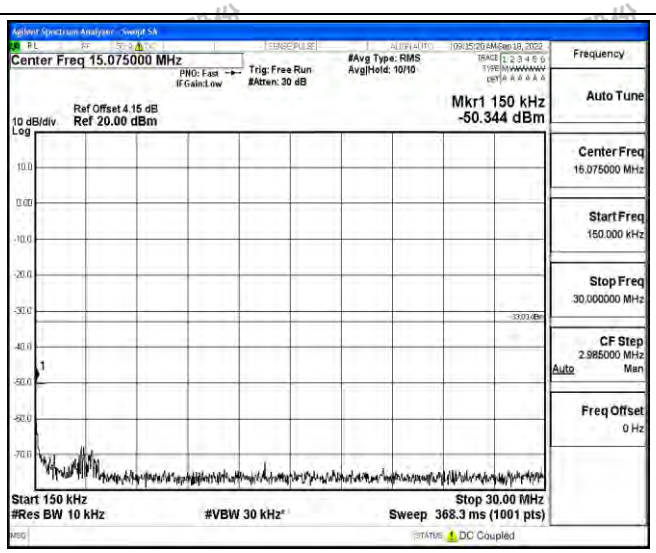
Band5-1.4MHz-16QAM-20643-1RB#0-Range4:1000~10000MHz



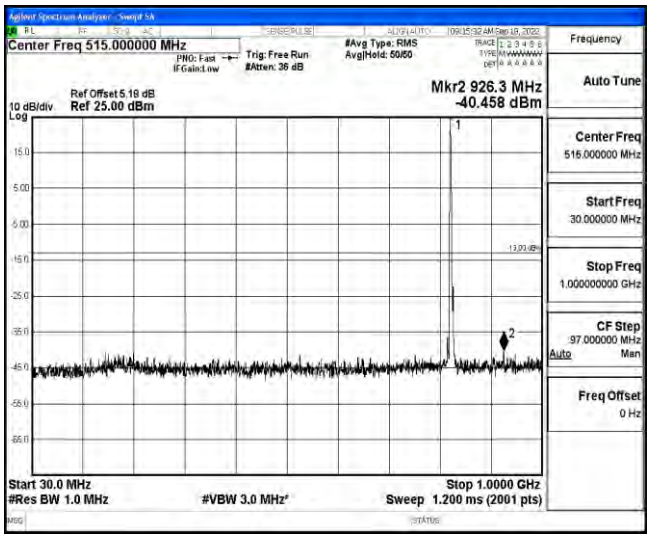
Band5-3MHz-QPSK-20415-1RB#0-Range1:0.009~0.15MHz



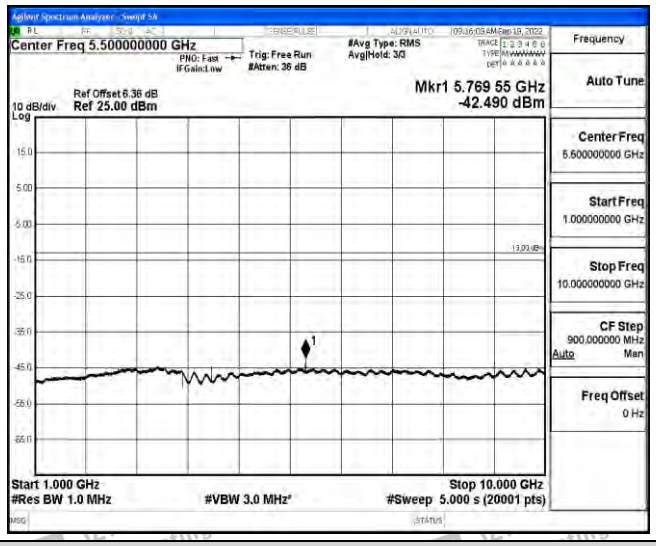
Band5-3MHz-QPSK-20415-1RB#0-Range2:0.15~30MHz



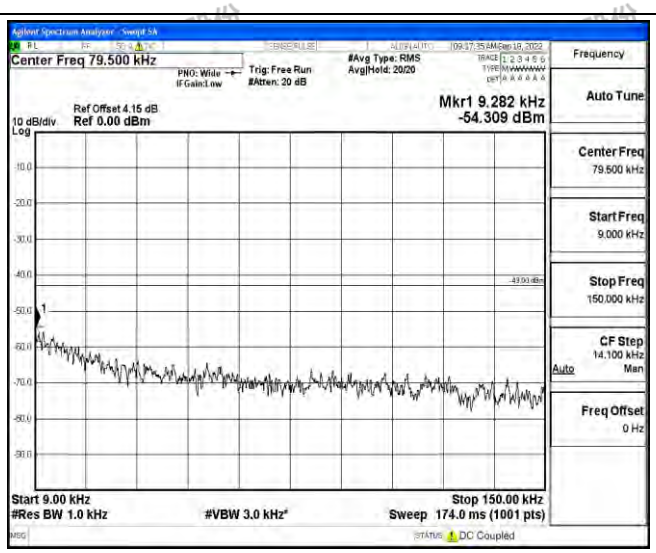
Band5-3MHz-QPSK-20415-1RB#0-Range3:30~1000MHz



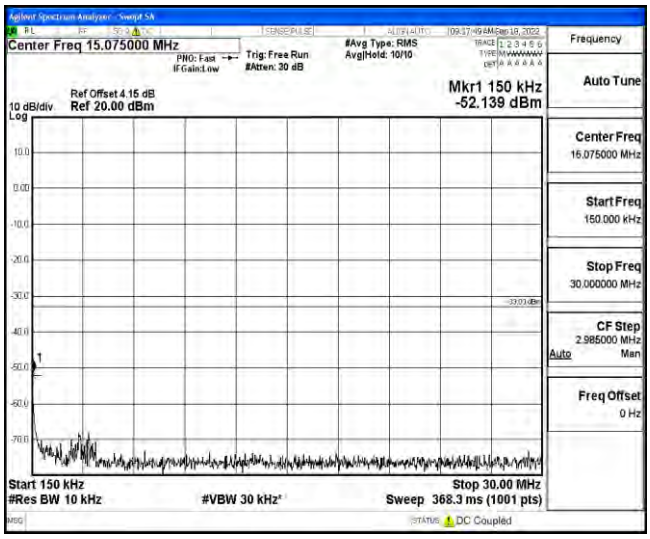
Band5-3MHz-QPSK-20415-1RB#0-Range4:1000~10000MHz



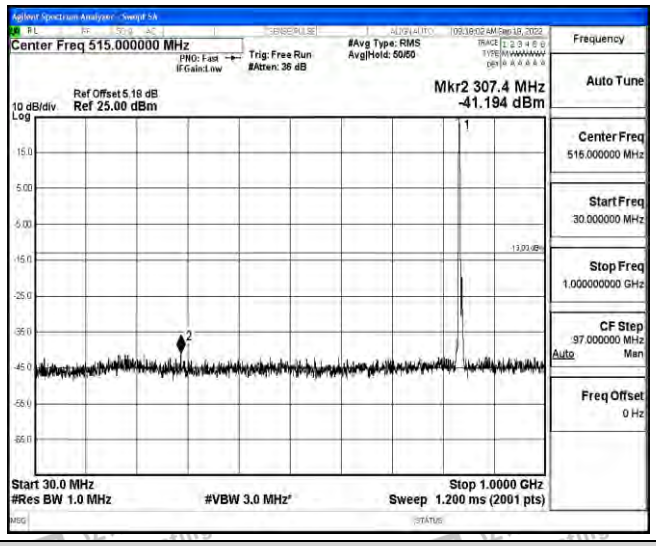
Band5-3MHz-QPSK-20525-1RB#0-Range1:0.009~0.15MHz



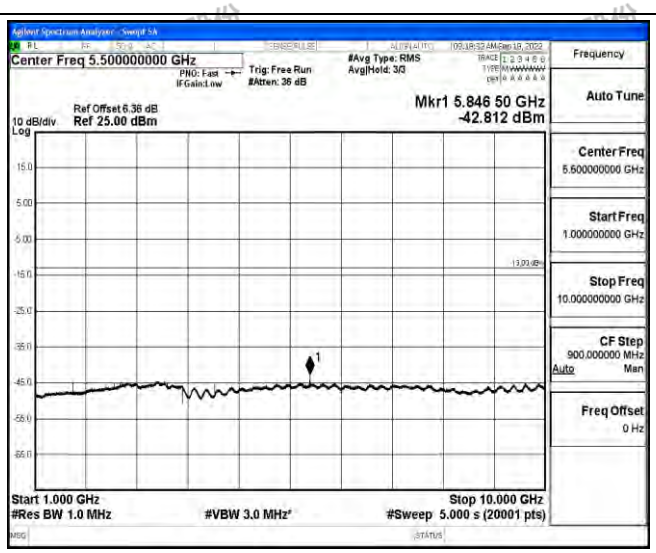
Band5-3MHz-QPSK-20525-1RB#0-Range2:0.15~30MHz



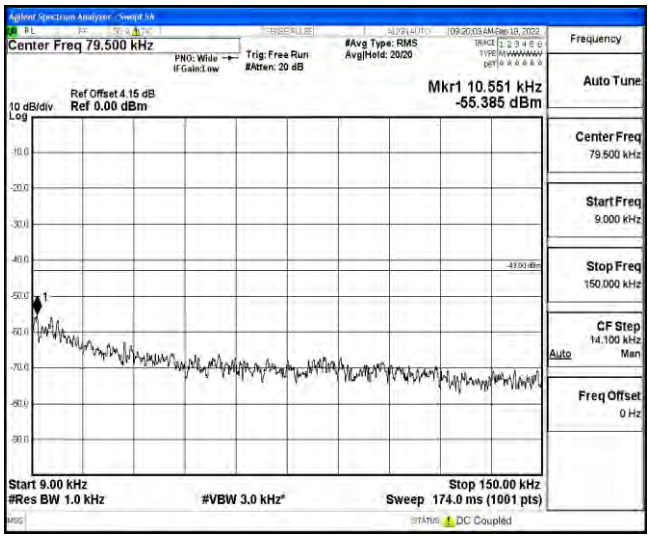
Band5-3MHz-QPSK-20525-1RB#0-Range3:30~1000MHz



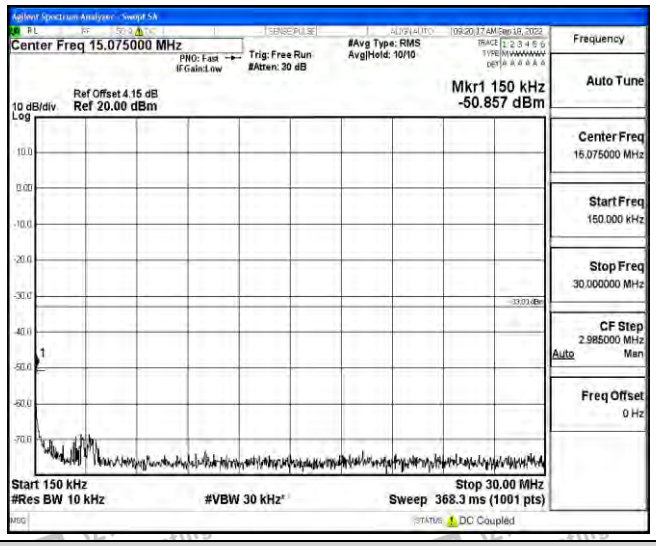
Band5-3MHz-QPSK-20525-1RB#0-Range4:1000~10000MHz



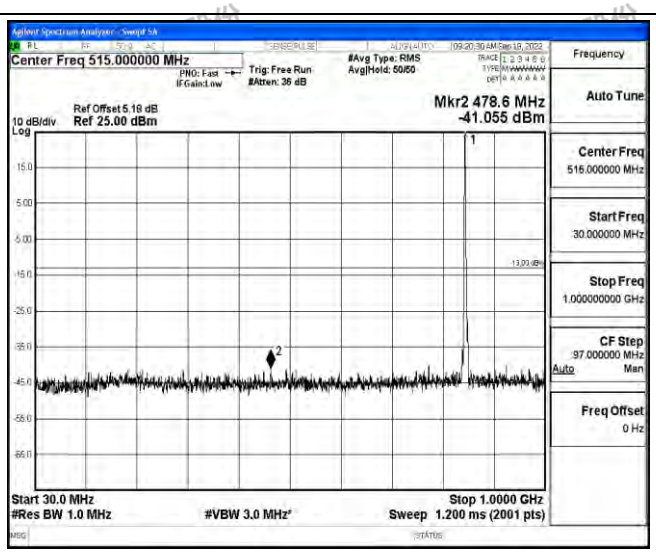
Band5-3MHz-QPSK-20635-1RB#0-Range1:0.009~0.15MHz



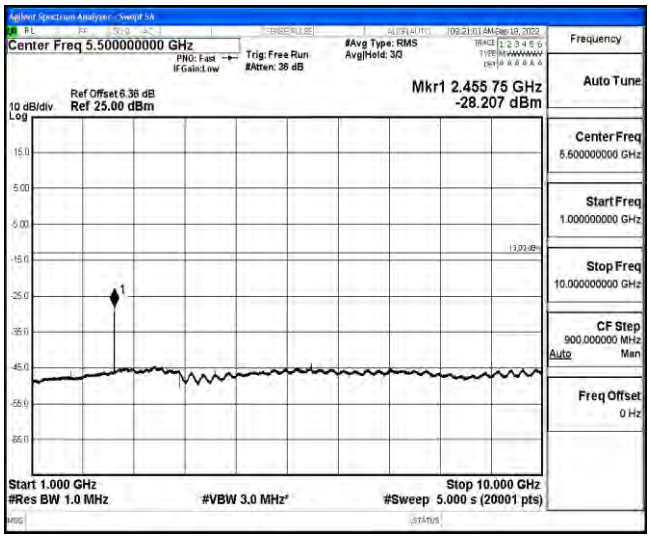
Band5-3MHz-QPSK-20635-1RB#0-Range2:0.15~30MHz



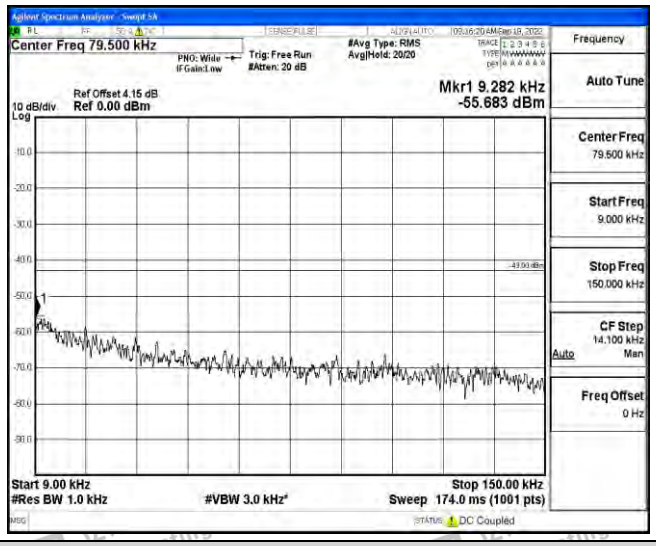
Band5-3MHz-QPSK-20635-1RB#0-Range3:30~1000MHz



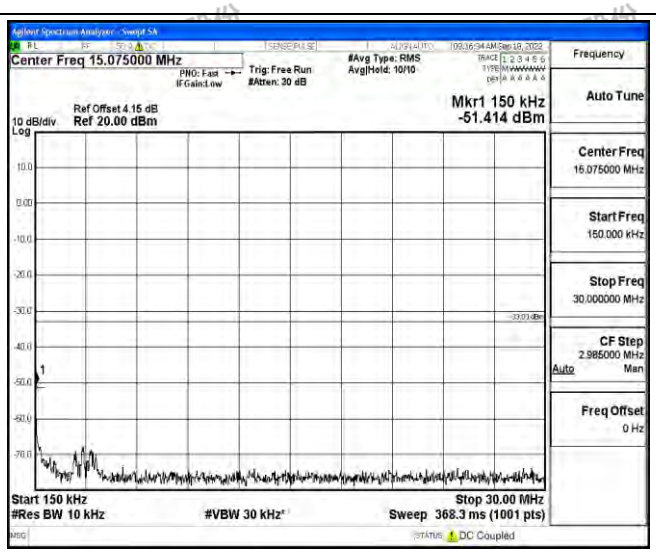
Band5-3MHz-QPSK-20635-1RB#0-Range4:1000~10000MHz



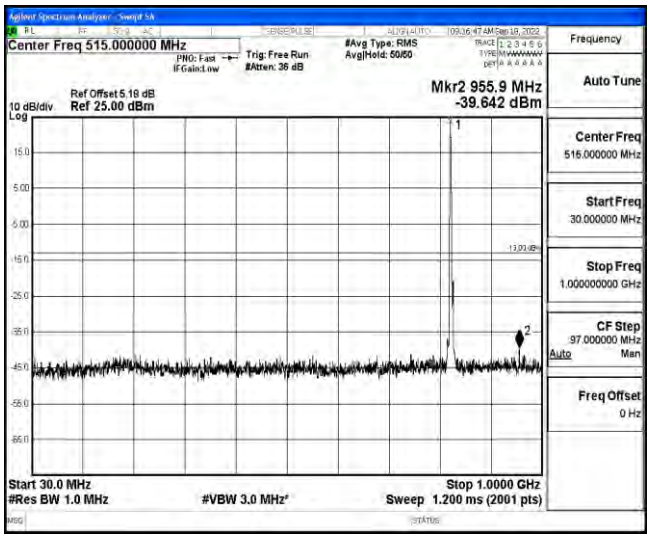
Band5-3MHz-16QAM-20415-1RB#0-Range1:0.009~0.15MHz



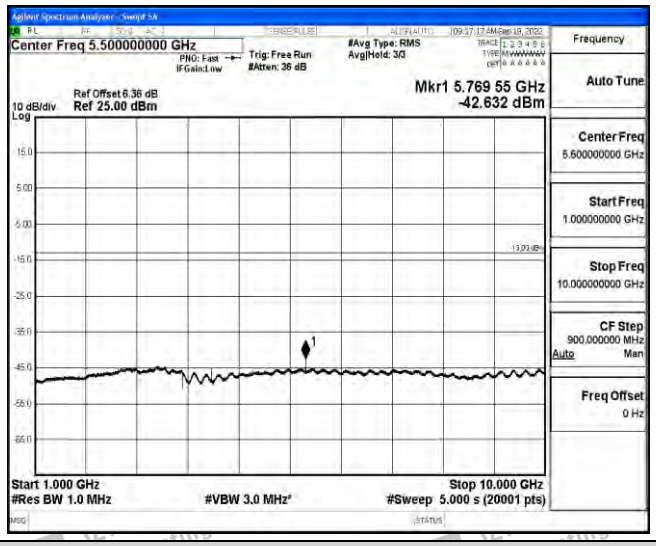
Band5-3MHz-16QAM-20415-1RB#0-Range2:0.15~30MHz



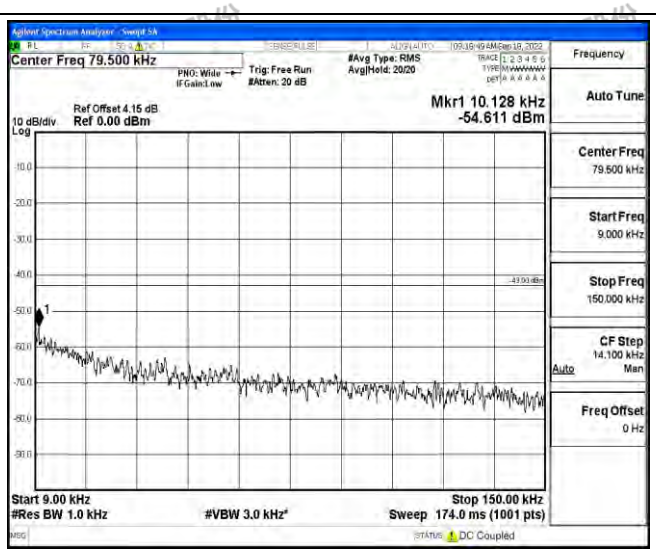
Band5-3MHz-16QAM-20415-1RB#0-Range3:30~1000MHz



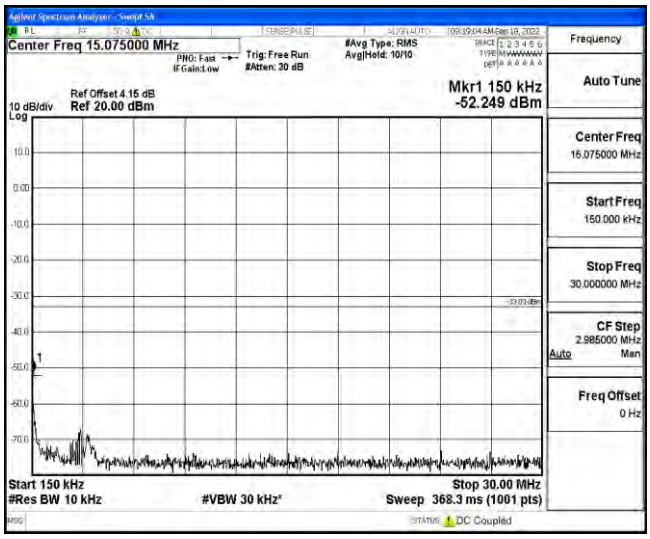
Band5-3MHz-16QAM-20415-1RB#0-Range4:1000~10000MHz



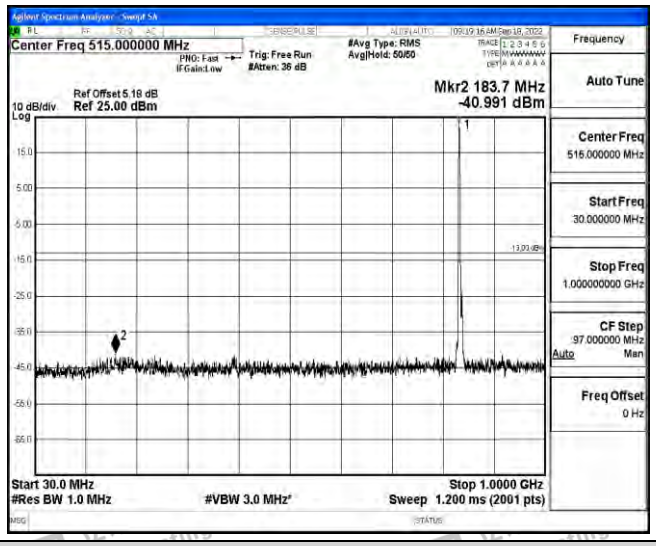
Band5-3MHz-16QAM-20525-1RB#0-Range1:0.009~0.15MHz



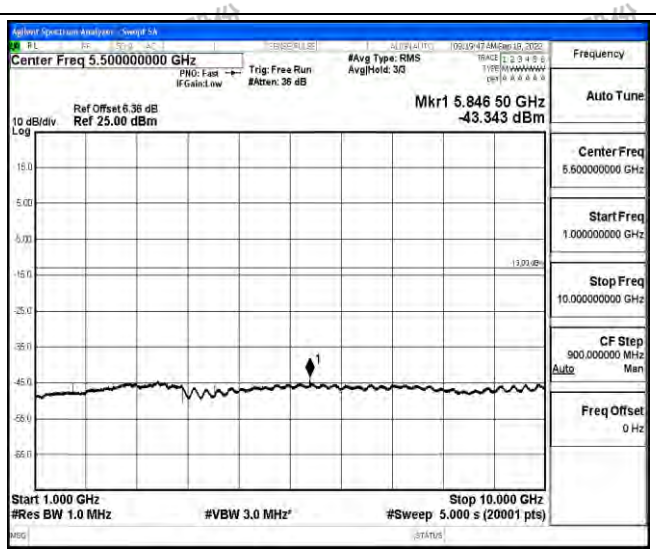
Band5-3MHz-16QAM-20525-1RB#0-Range2:0.15~30MHz



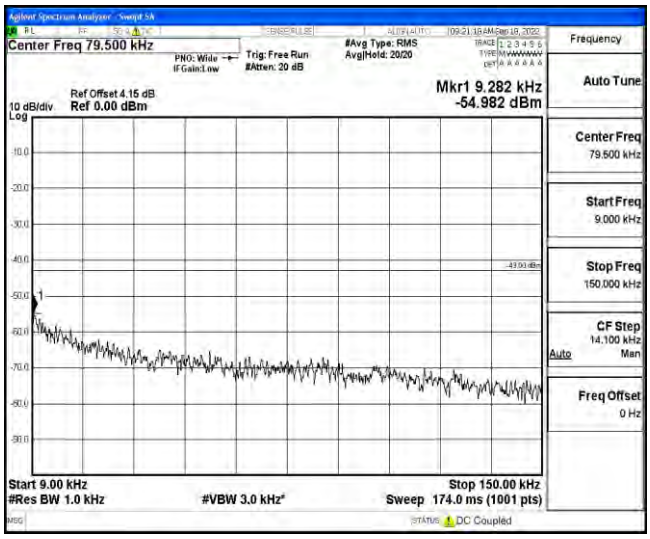
Band5-3MHz-16QAM-20525-1RB#0-Range3:30~1000MHz



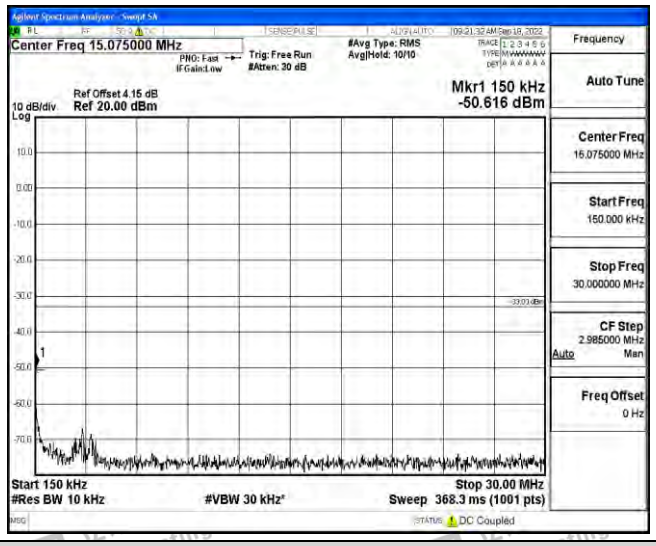
Band5-3MHz-16QAM-20525-1RB#0-Range4:1000~10000MHz



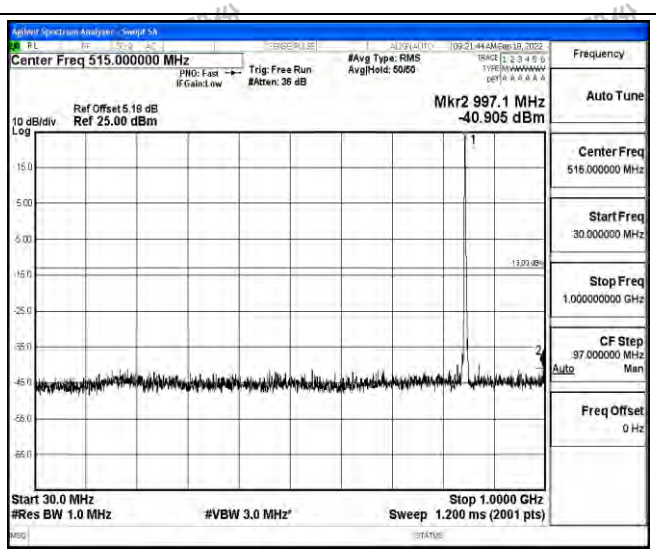
Band5-3MHz-16QAM-20635-1RB#0-Range1:0.009~0.15MHz



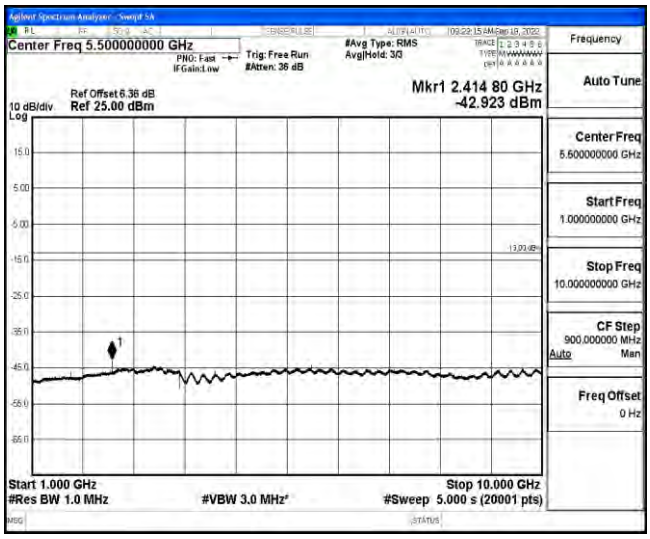
Band5-3MHz-16QAM-20635-1RB#0-Range2:0.15~30MHz



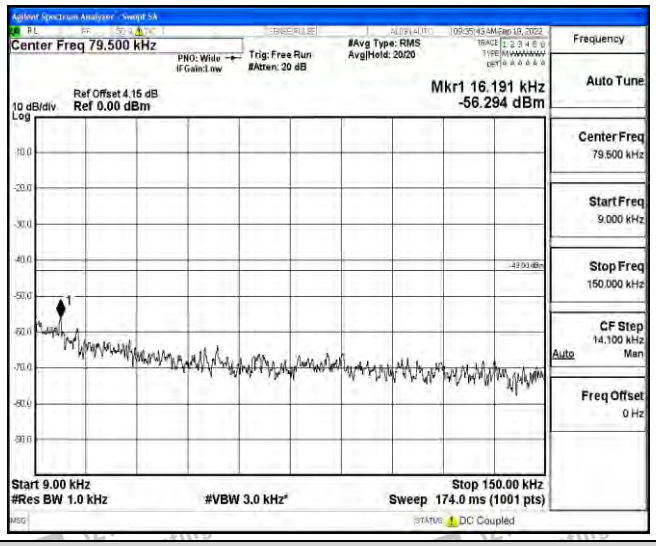
Band5-3MHz-16QAM-20635-1RB#0-Range3:30~1000MHz



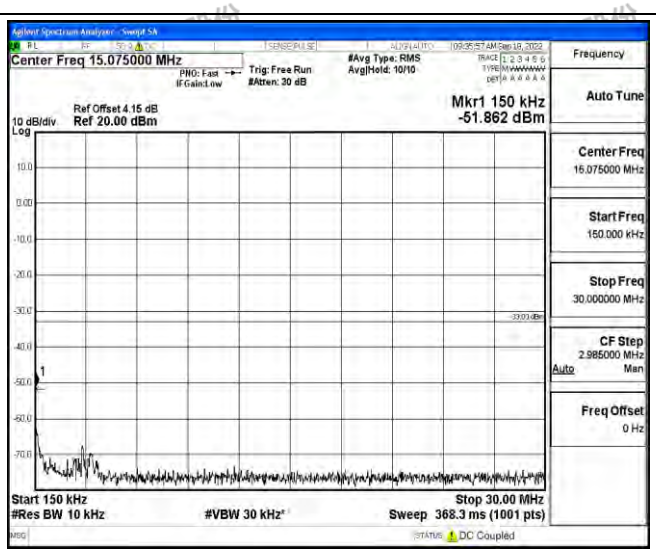
Band5-3MHz-16QAM-20635-1RB#0-Range4:1000~10000MHz



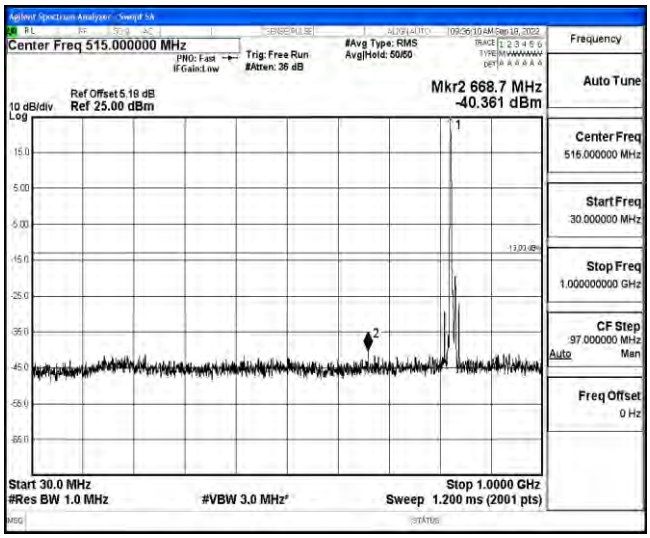
Band5-5MHz-QPSK-20425-1RB#0-Range1:0.009~0.15MHz



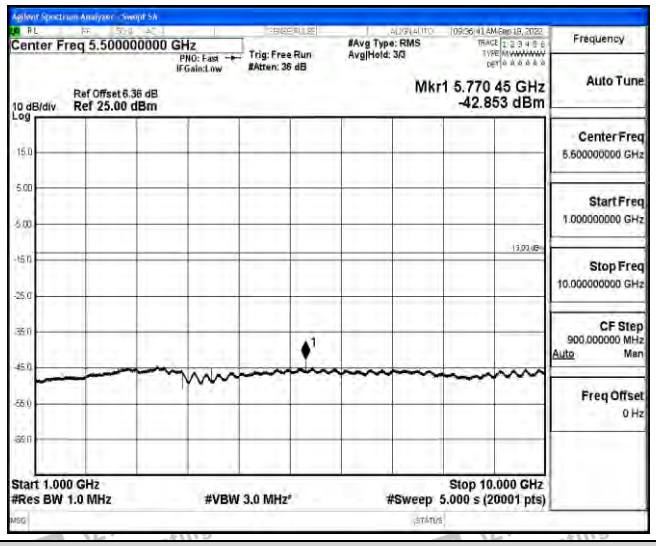
Band5-5MHz-QPSK-20425-1RB#0-Range2:0.15~30MHz



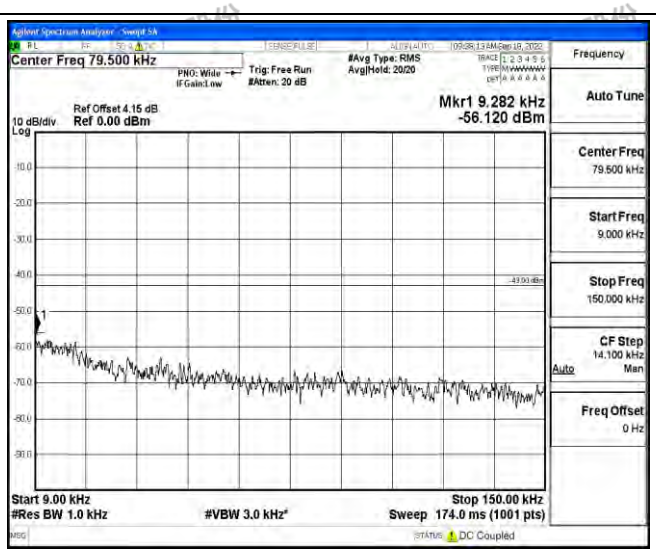
Band5-5MHz-QPSK-20425-1RB#0-Range3:30~1000MHz



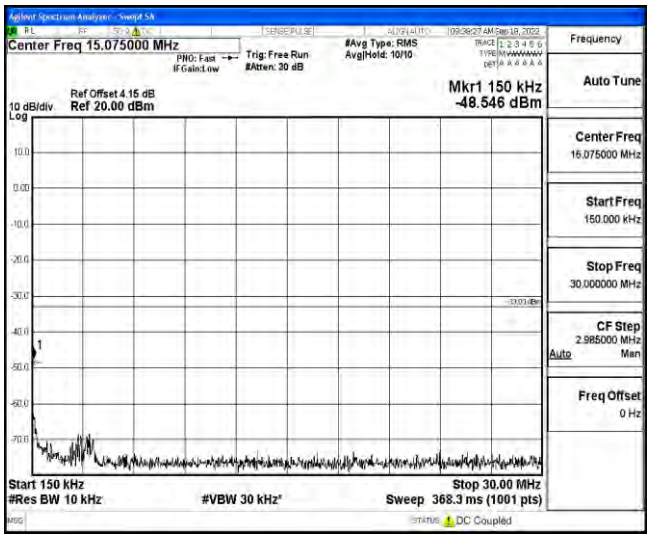
Band5-5MHz-QPSK-20425-1RB#0-Range4:1000~10000MHz



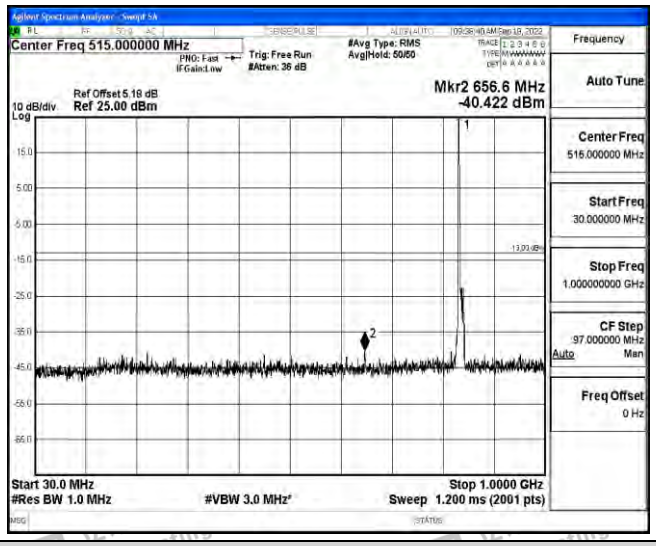
Band5-5MHz-QPSK-20525-1RB#0-Range1:0.009~0.15MHz



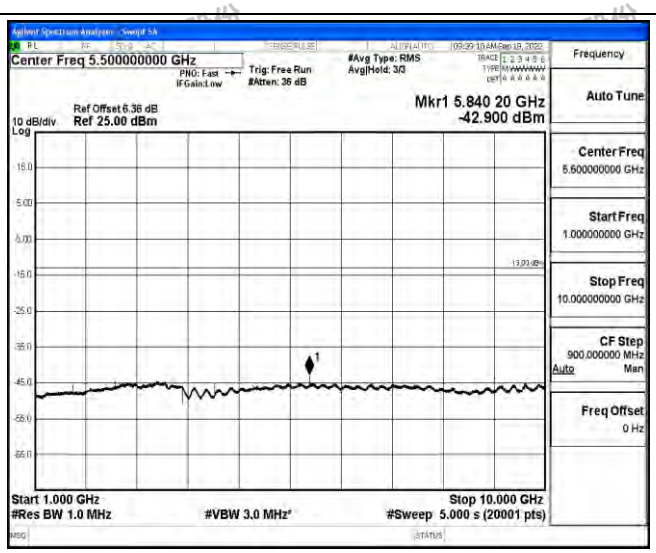
Band5-5MHz-QPSK-20525-1RB#0-Range2:0.15~30MHz



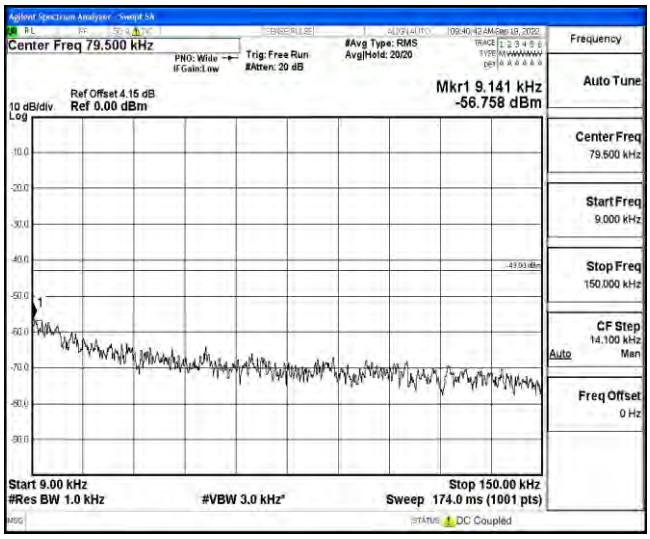
Band5-5MHz-QPSK-20525-1RB#0-Range3:30~1000MHz



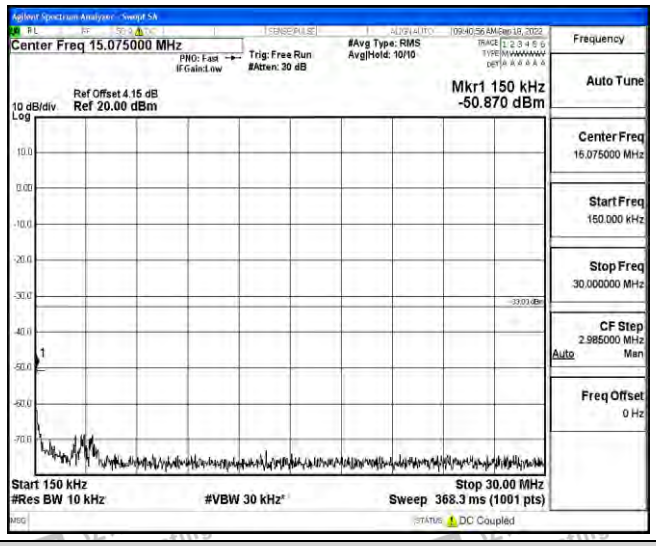
Band5-5MHz-QPSK-20525-1RB#0-Range4:1000~10000MHz



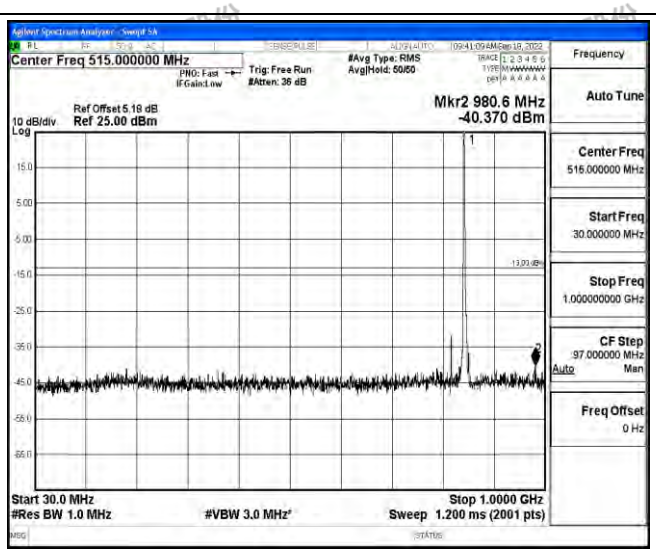
Band5-5MHz-QPSK-20625-1RB#0-Range1:0.009~0.15MHz



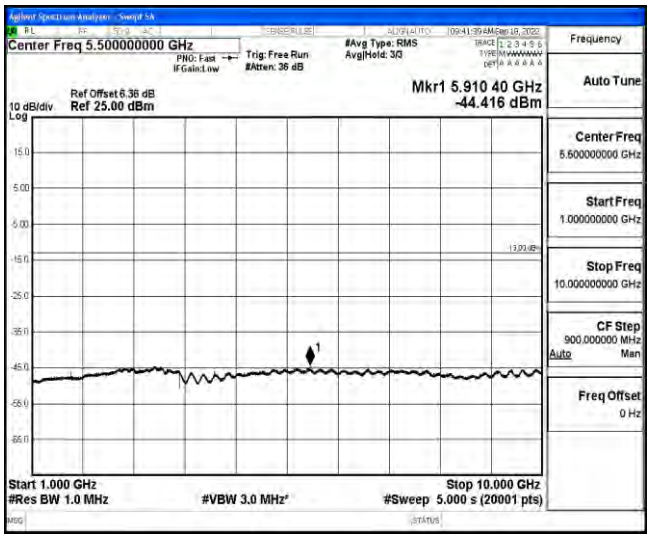
Band5-5MHz-QPSK-20625-1RB#0-Range2:0.15~30MHz



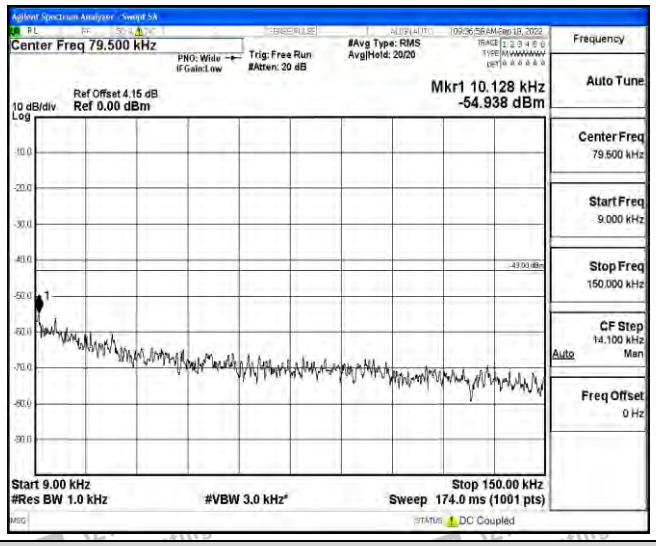
Band5-5MHz-QPSK-20625-1RB#0-Range3:30~1000MHz



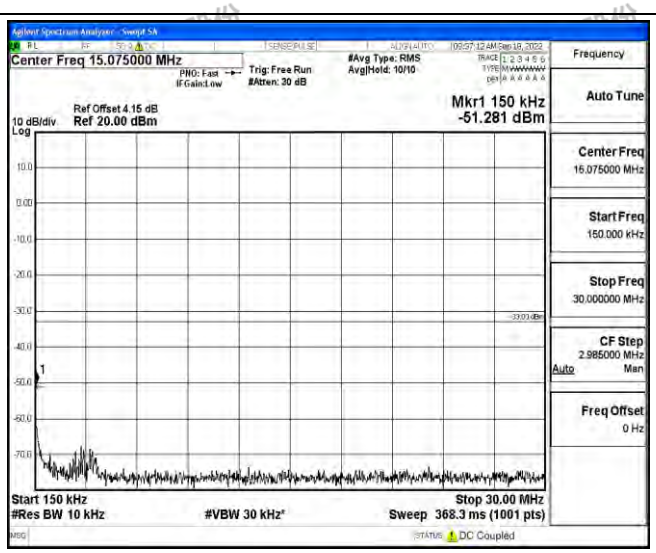
Band5-5MHz-QPSK-20625-1RB#0-Range4:1000~10000MHz



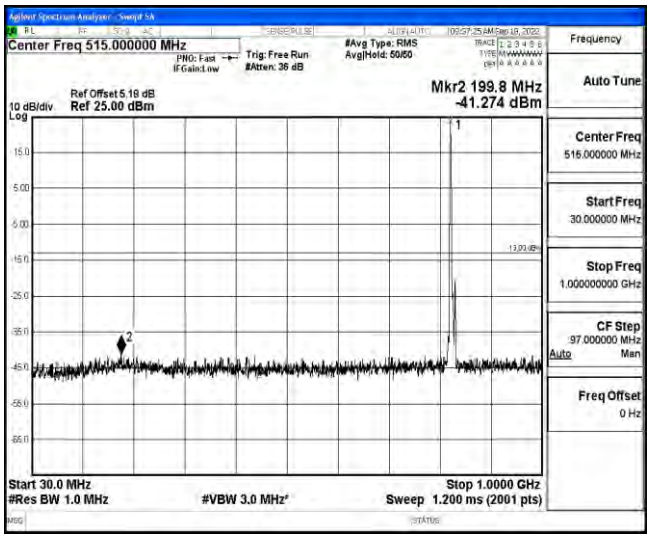
Band5-5MHz-16QAM-20425-1RB#0-Range1:0.009~0.15MHz



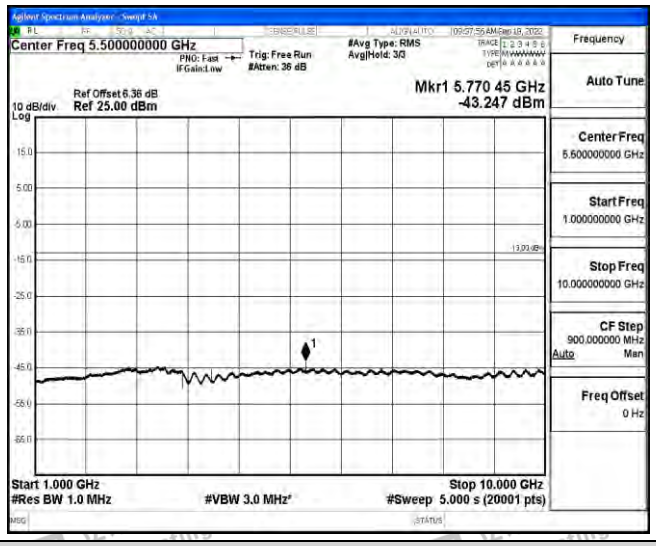
Band5-5MHz-16QAM-20425-1RB#0-Range2:0.15~30MHz



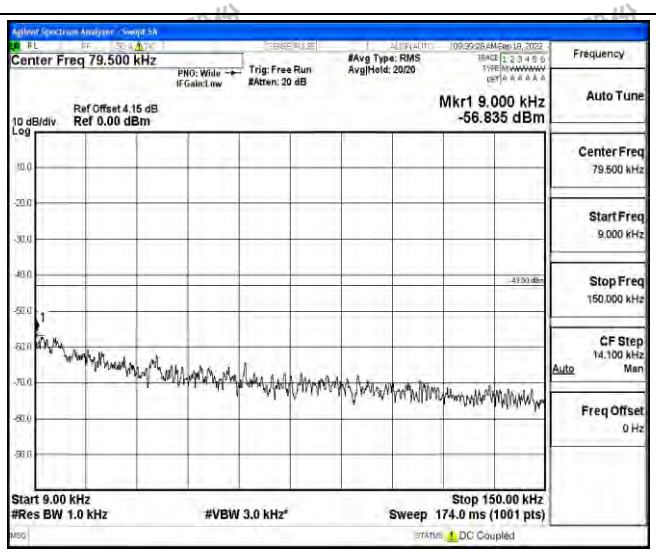
Band5-5MHz-16QAM-20425-1RB#0-Range3:30~1000MHz



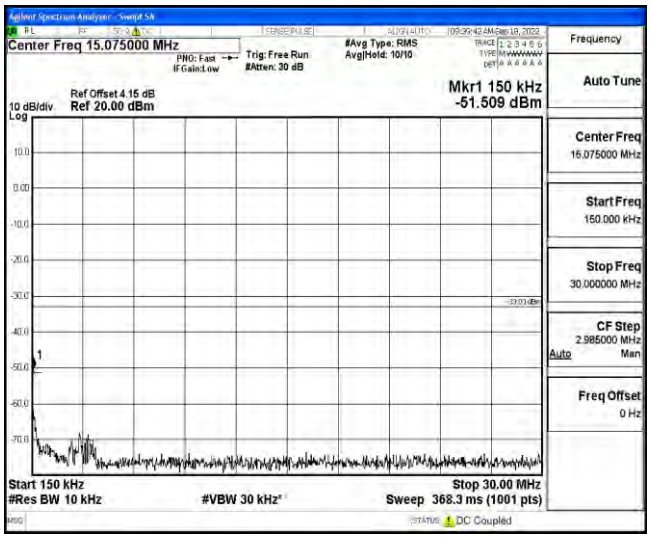
Band5-5MHz-16QAM-20425-1RB#0-Range4:1000~10000MHz



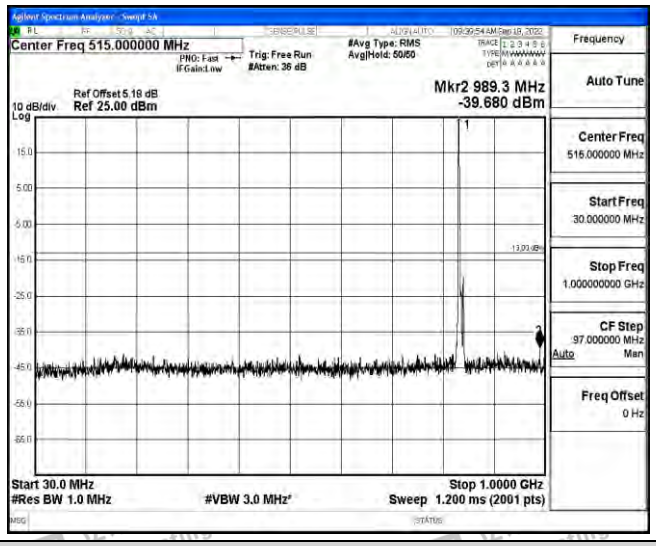
Band5-5MHz-16QAM-20525-1RB#0-Range1:0.009~0.15MHz



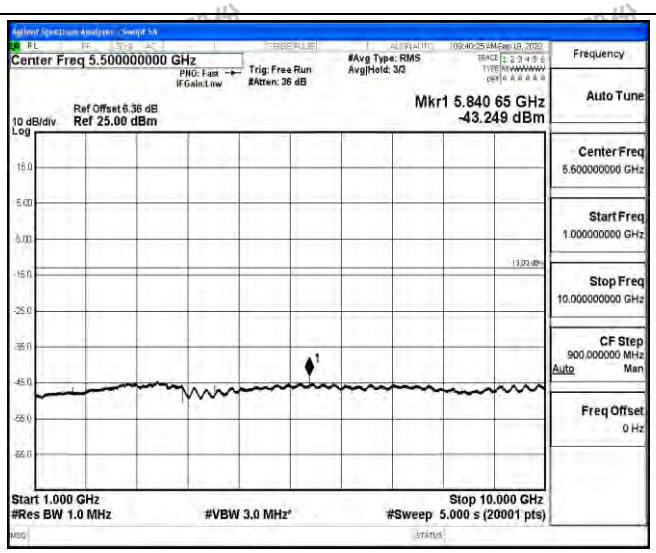
Band5-5MHz-16QAM-20525-1RB#0-Range2:0.15~30MHz



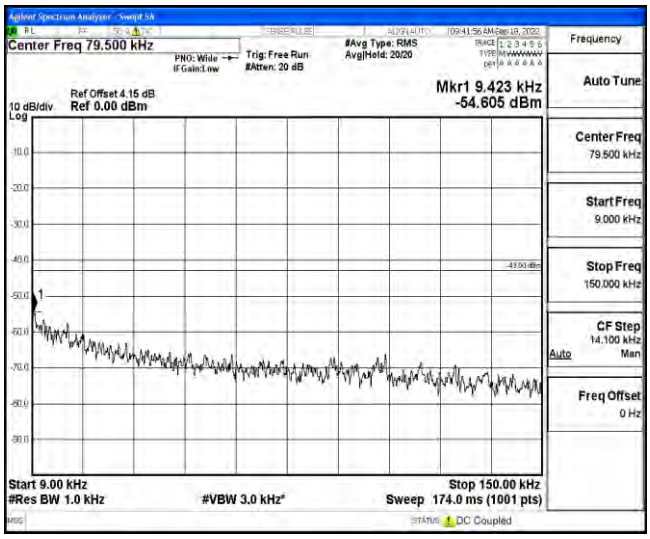
Band5-5MHz-16QAM-20525-1RB#0-Range3:30~1000MHz



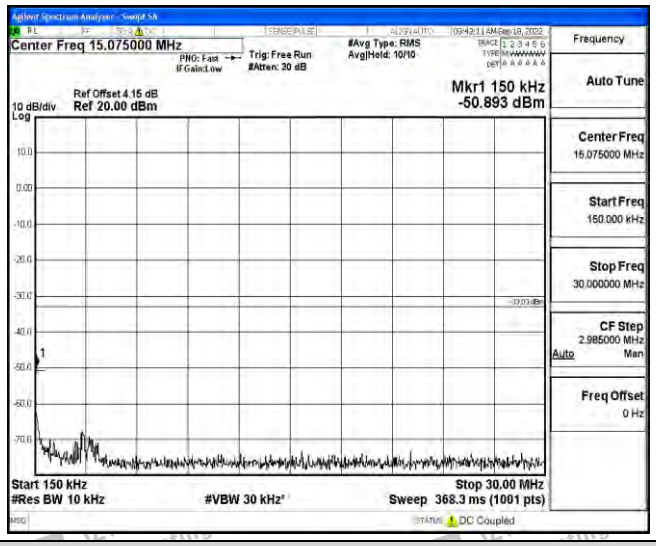
Band5-5MHz-16QAM-20525-1RB#0-Range4:1000~10000MHz



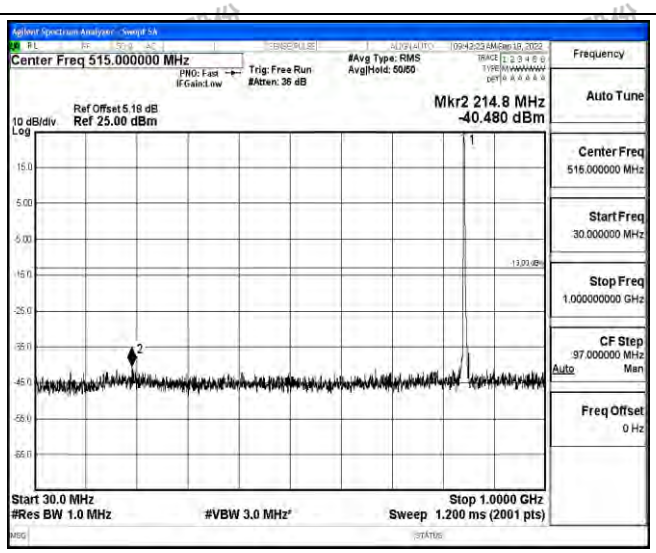
Band5-5MHz-16QAM-20625-1RB#0-Range1:0.009~0.15MHz



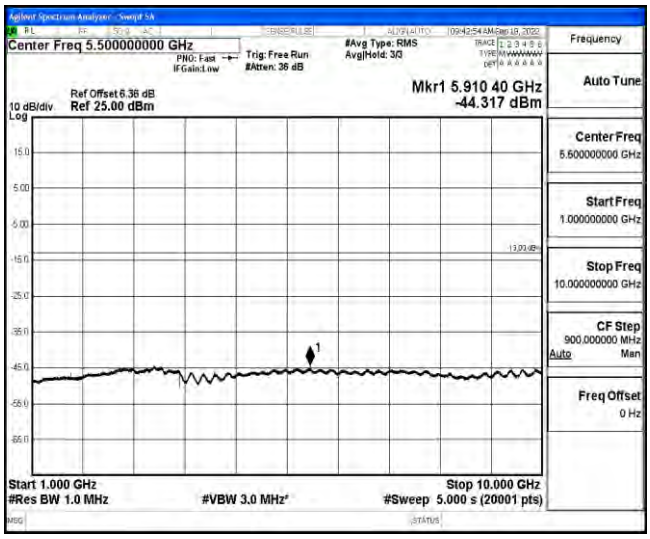
Band5-5MHz-16QAM-20625-1RB#0-Range2:0.15~30MHz



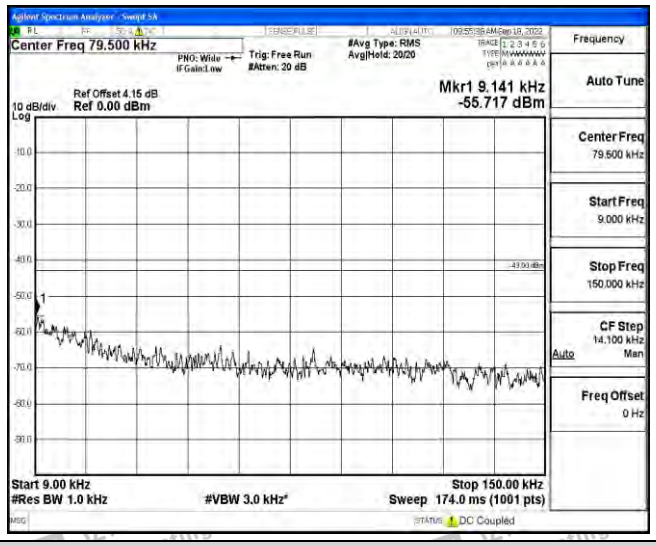
Band5-5MHz-16QAM-20625-1RB#0-Range3:30~1000MHz



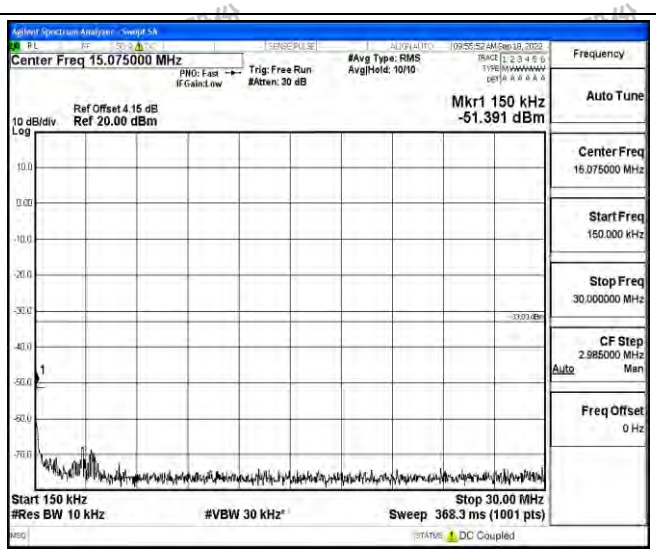
Band5-5MHz-16QAM-20625-1RB#0-Range4:1000~10000MHz



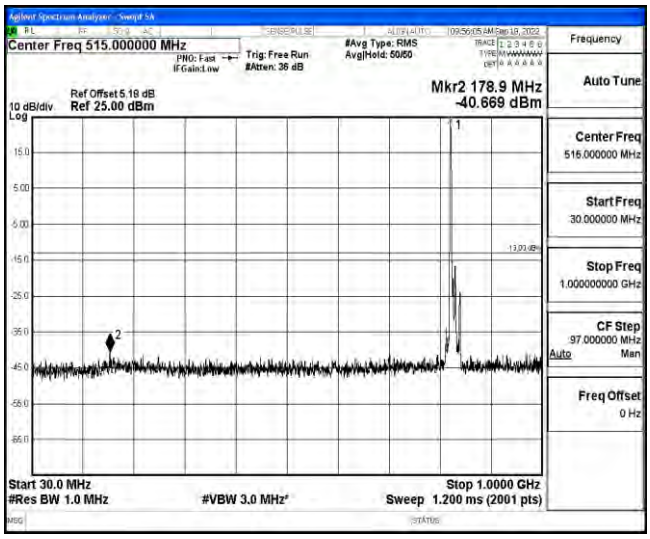
Band5-10MHz-QPSK-20450-1RB#0-Range1:0.009~0.15MHz



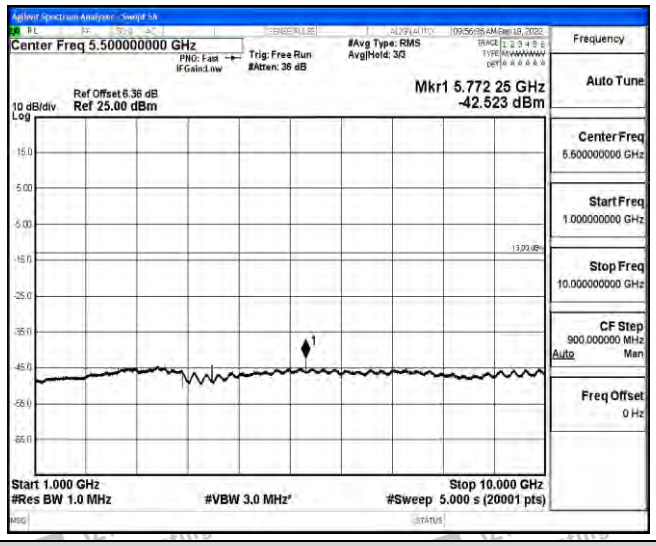
Band5-10MHz-QPSK-20450-1RB#0-Range2:0.15~30MHz



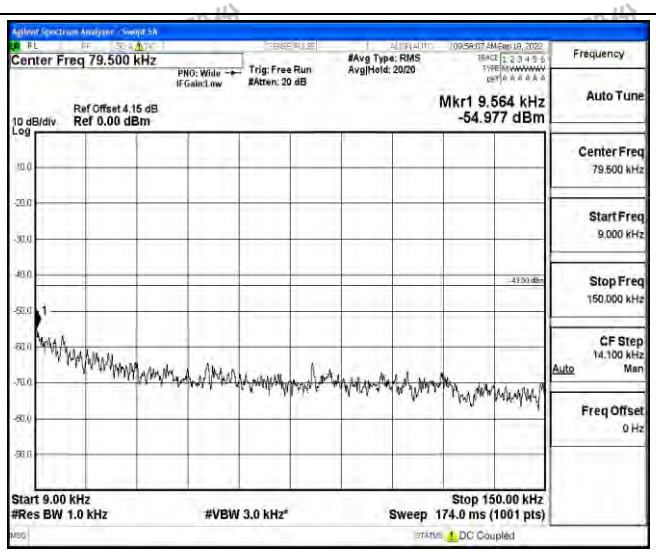
Band5-10MHz-QPSK-20450-1RB#0-Range3:30~1000MHz



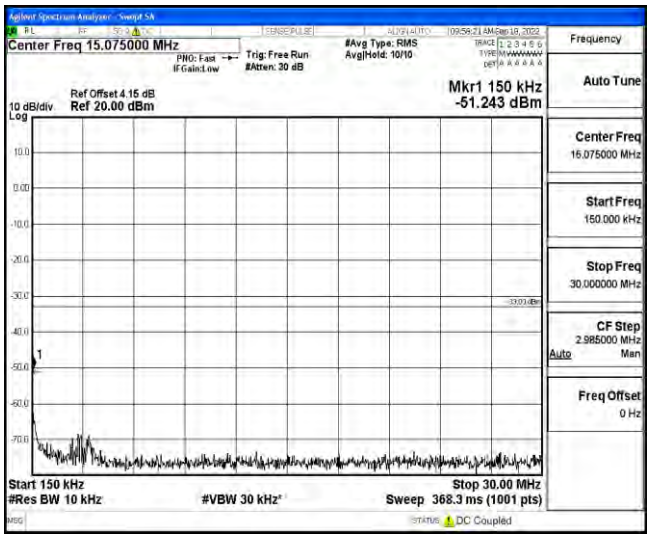
Band5-10MHz-QPSK-20450-1RB#0-Range4:1000~10000MHz



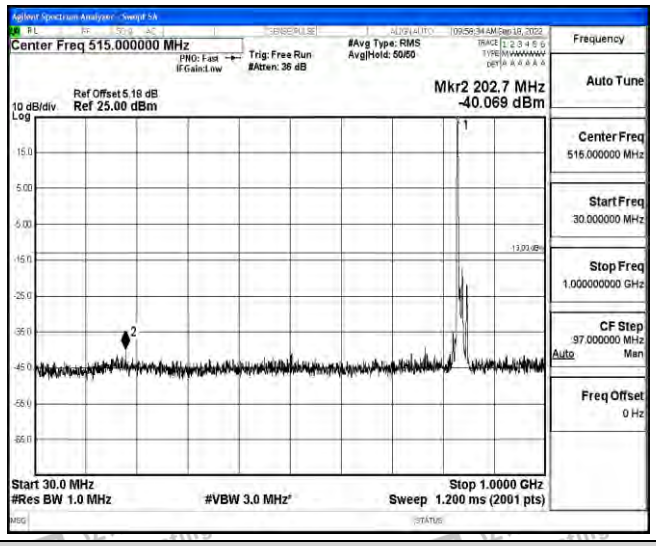
Band5-10MHz-QPSK-20525-1RB#0-Range1:0.009~0.15MHz



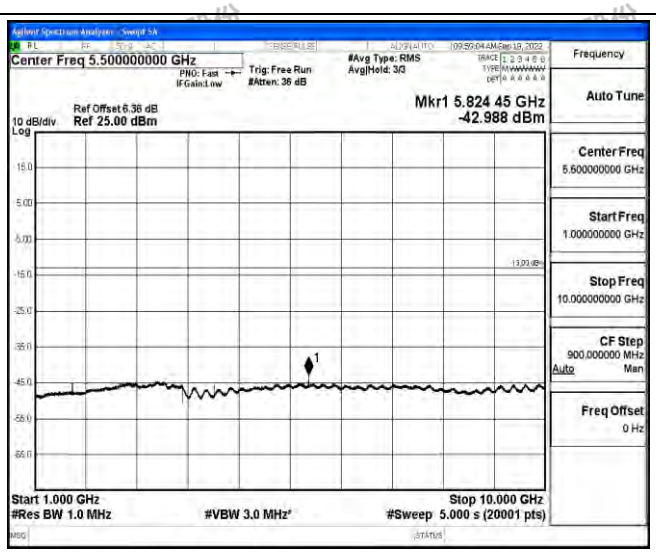
Band5-10MHz-QPSK-20525-1RB#0-Range2:0.15~30MHz



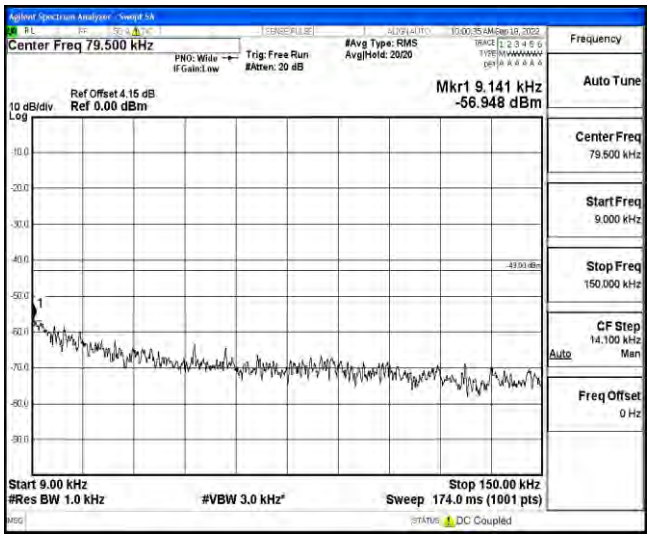
Band5-10MHz-QPSK-20525-1RB#0-Range3:30~1000MHz



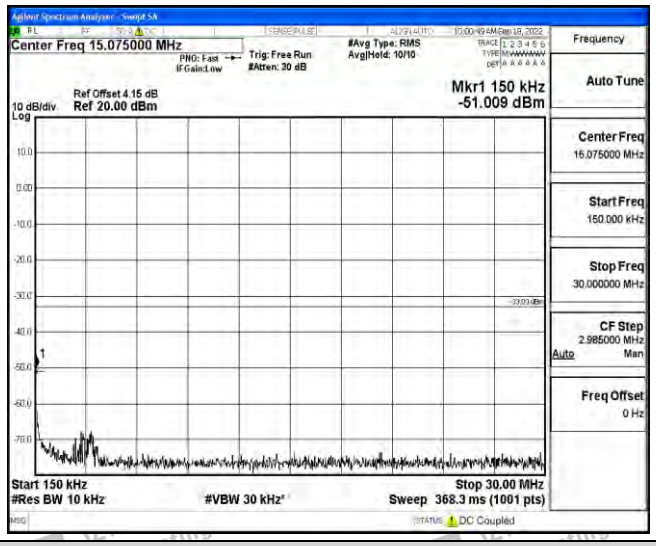
Band5-10MHz-QPSK-20525-1RB#0-Range4:1000~10000MHz



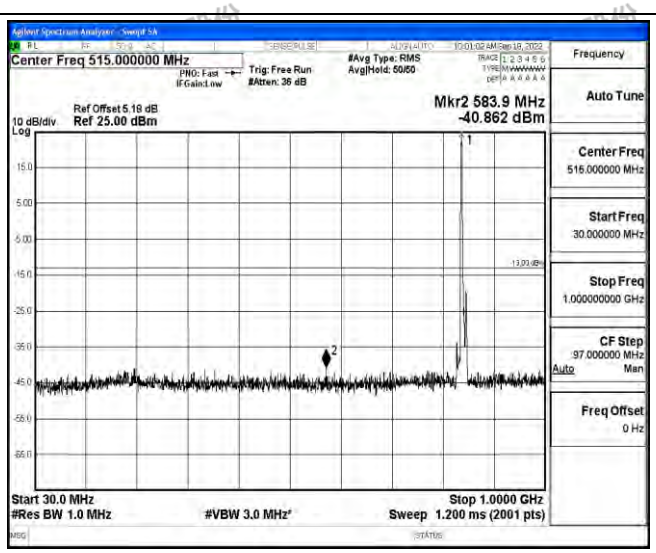
Band5-10MHz-QPSK-20600-1RB#0-Range1:0.009~0.15MHz



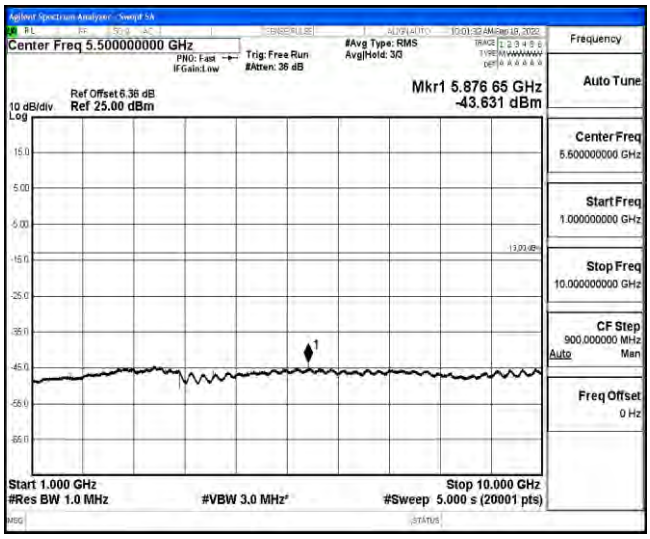
Band5-10MHz-QPSK-20600-1RB#0-Range2:0.15~30MHz



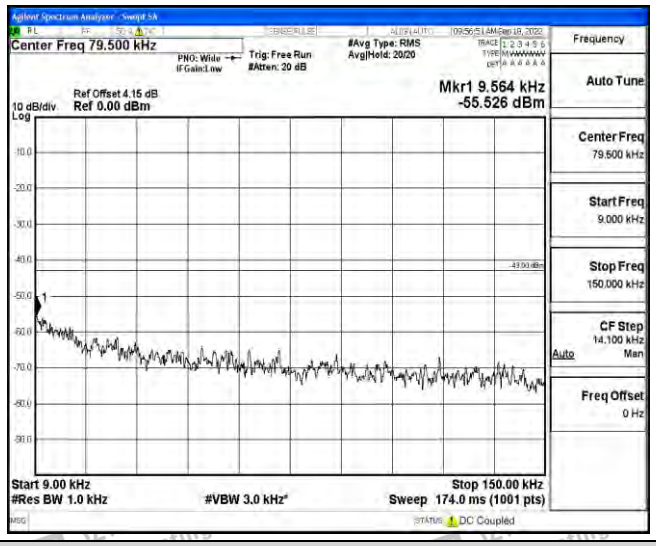
Band5-10MHz-QPSK-20600-1RB#0-Range3:30~1000MHz



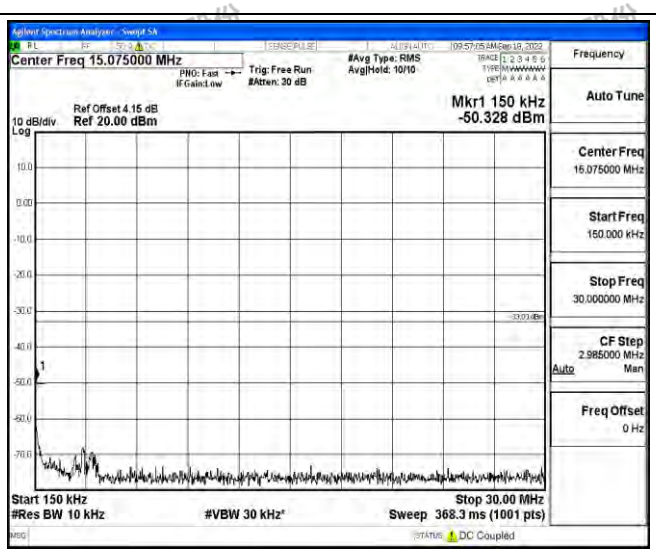
Band5-10MHz-QPSK-20600-1RB#0-Range4:1000~10000MHz



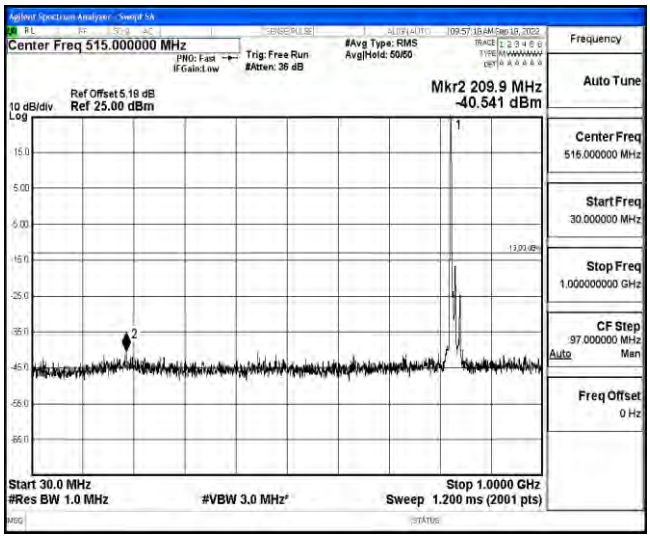
Band5-10MHz-16QAM-20450-1RB#0-Range1:0.009~0.15MHz



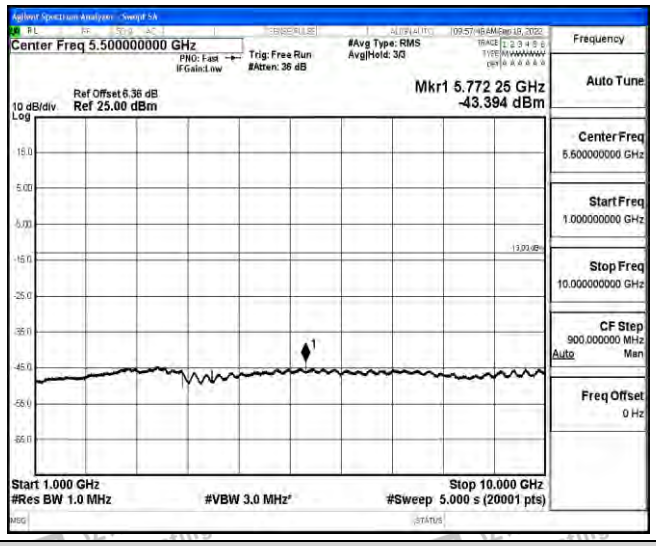
Band5-10MHz-16QAM-20450-1RB#0-Range2:0.15~30MHz



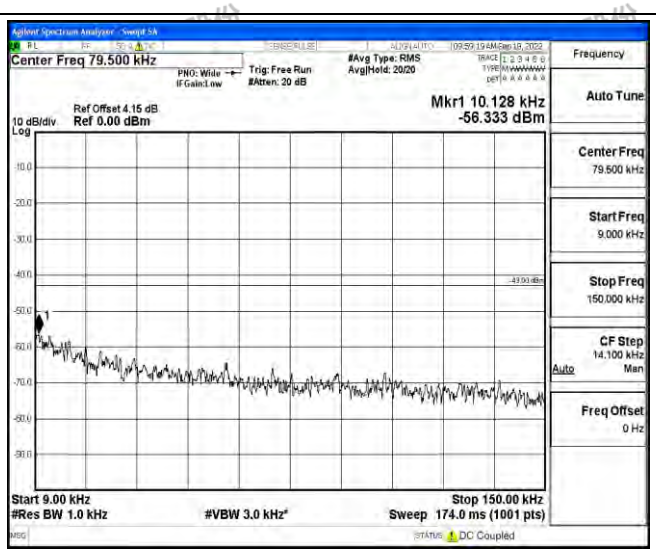
Band5-10MHz-16QAM-20450-1RB#0-Range3:30~1000MHz



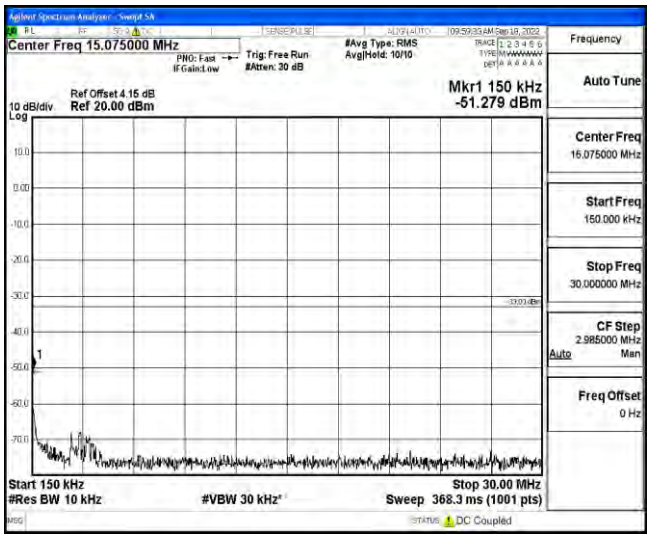
Band5-10MHz-16QAM-20450-1RB#0-Range4:1000~10000MHz



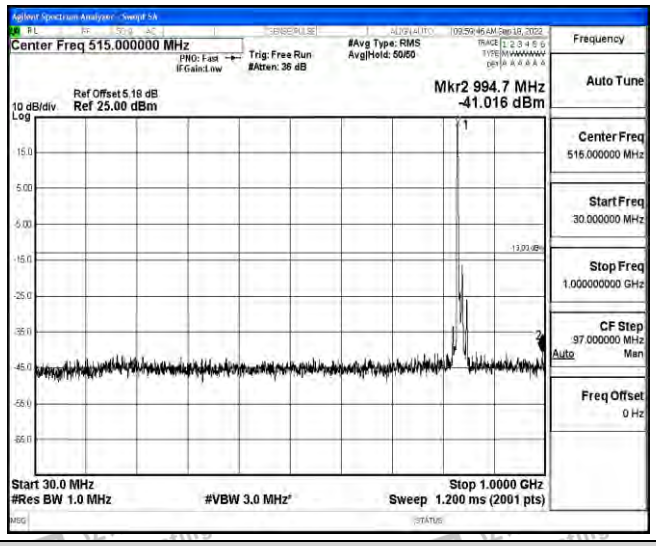
Band5-10MHz-16QAM-20525-1RB#0-Range1:0.009~0.15MHz



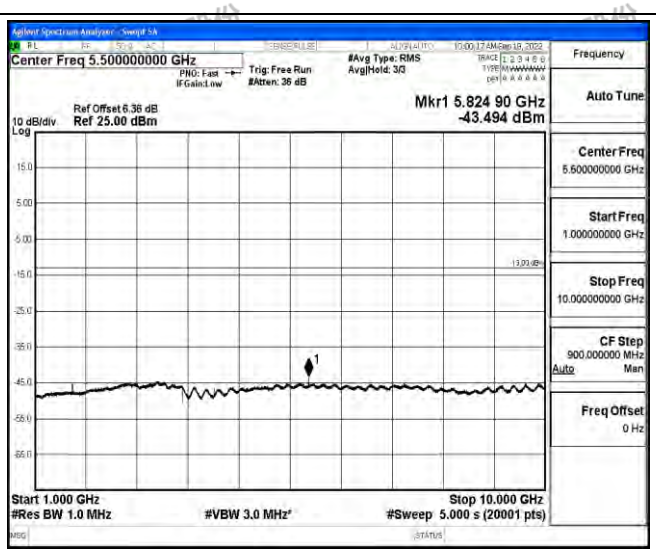
Band5-10MHz-16QAM-20525-1RB#0-Range2:0.15~30MHz



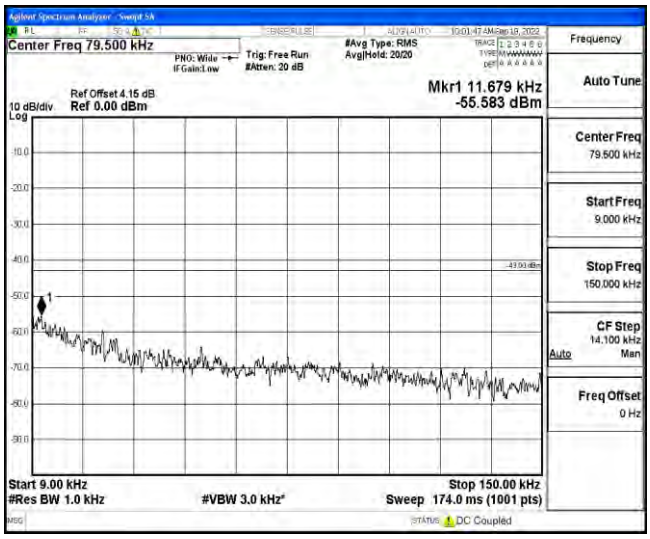
Band5-10MHz-16QAM-20525-1RB#0-Range3:30~1000MHz



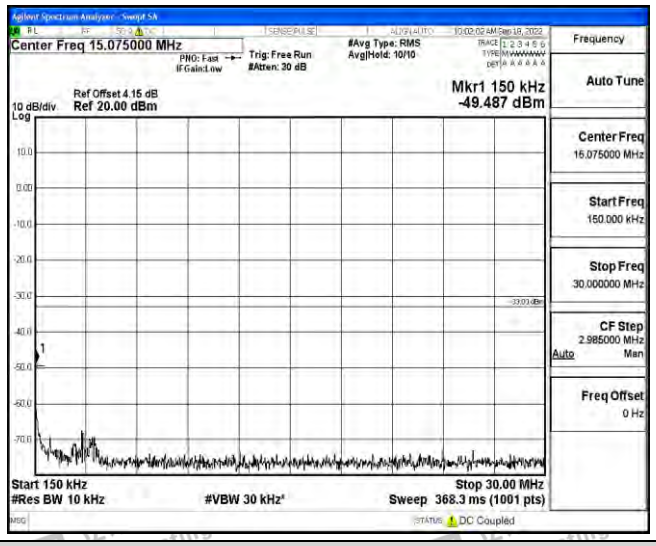
Band5-10MHz-16QAM-20525-1RB#0-Range4:1000~10000MHz



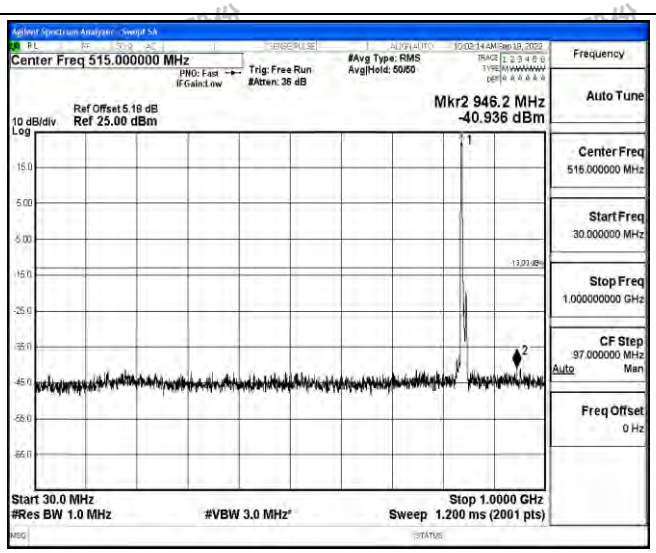
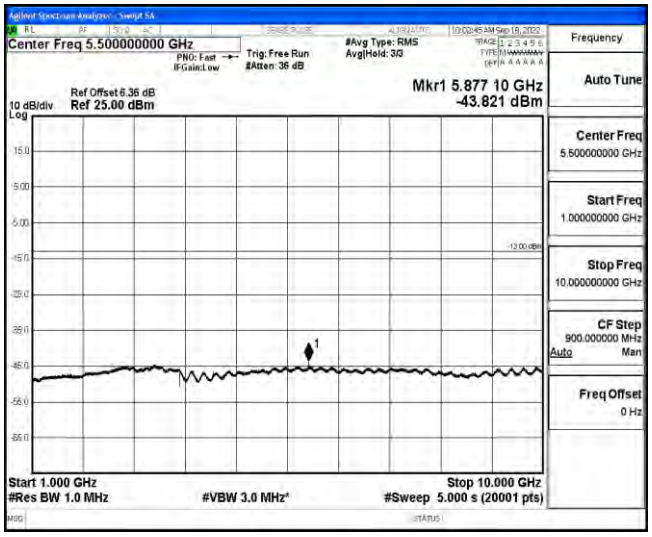
Band5-10MHz-16QAM-20600-1RB#0-Range1:0.009~0.15MHz



Band5-10MHz-16QAM-20600-1RB#0-Range2:0.15~30MHz



Band5-10MHz-16QAM-20600-1RB#0-Range3:30~1000MHz



Band5-10MHz-16QAM-20600-1RB#0-Range4:1000~10000MHz