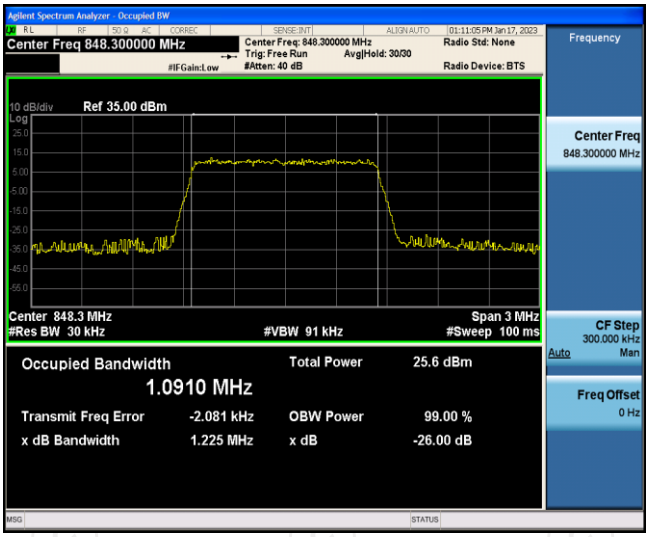


Band5-1.4MHz-16QAM-20407-6RB#0

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

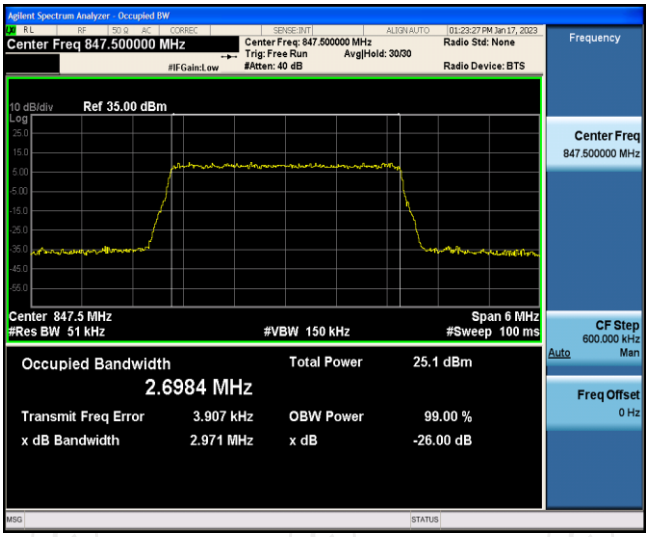
Band5-1.4MHz-16QAM-20643-6RB#0

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

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

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

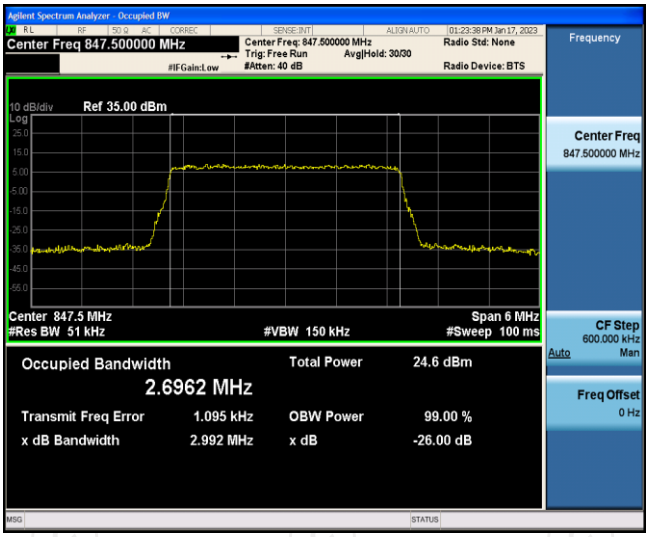
Band5-3MHz-QPSK-20635-15RB#0



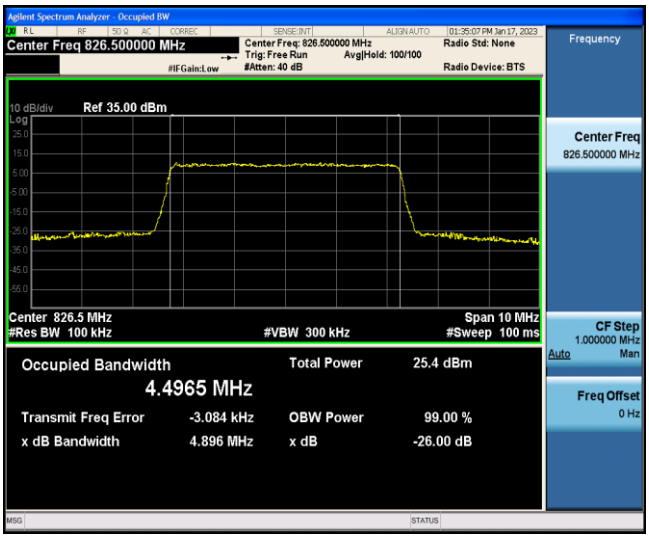
Band5-3MHz-16QAM-20415-15RB#0

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

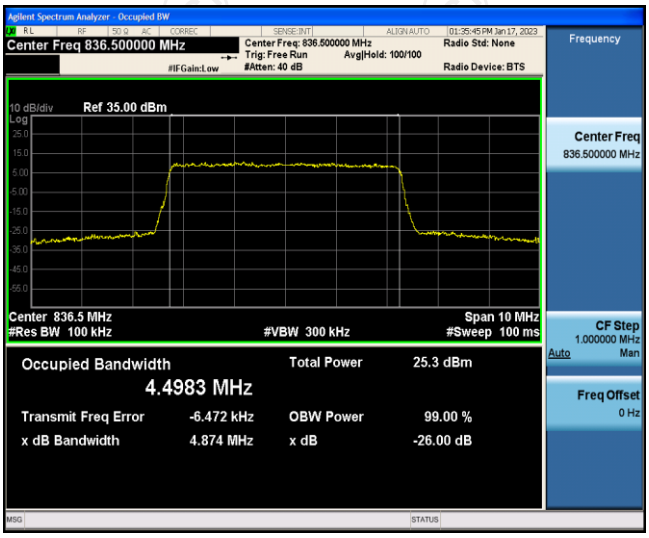
Band5-3MHz-16QAM-20635-15RB#0



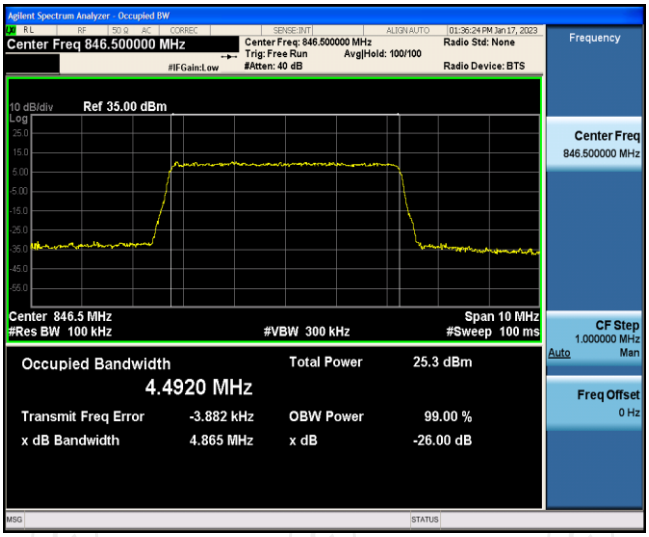
Band5-5MHz-QPSK-20425-25RB#0



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



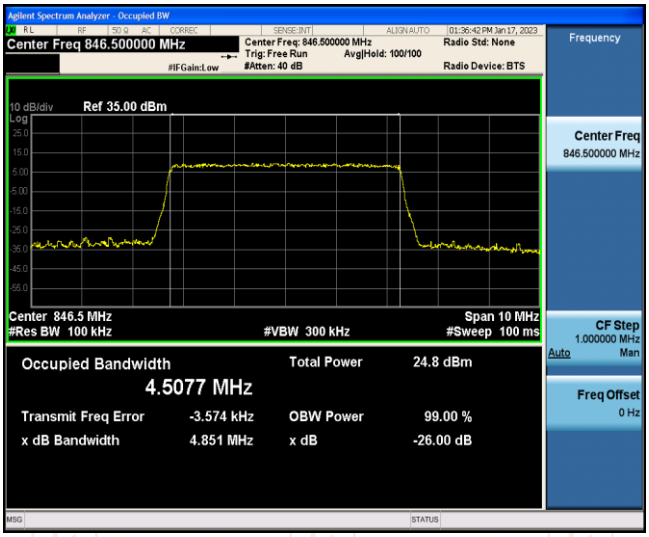
Band5-5MHz-QPSK-20625-25RB#0



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

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

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



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

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

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

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

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

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

Agilent Spectrum Analyzer - Occupied BW
Center Freq 844.000000 MHz
Center Freq: 844.000000 MHz
Trig: Free Run
Avg|Hold: 30/30
#Atten: 40 dB
#IFGain:Low
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 35.00 dBm
Center 844 MHz
#Res BW 200 kHz
#VBW 620 kHz
Span 20 MHz
#Sweep 100 ms
Occupied Bandwidth
8.9861 MHz
Total Power 23.2 dBm
Transmit Freq Error -12.688 kHz
OBW Power 99.00 %
x dB Bandwidth 9.541 MHz
x dB -26.00 dB
Center Freq
844.000000 MHz
CF Step
2.000000 MHz
Auto Man
Freq Offset
0 Hz

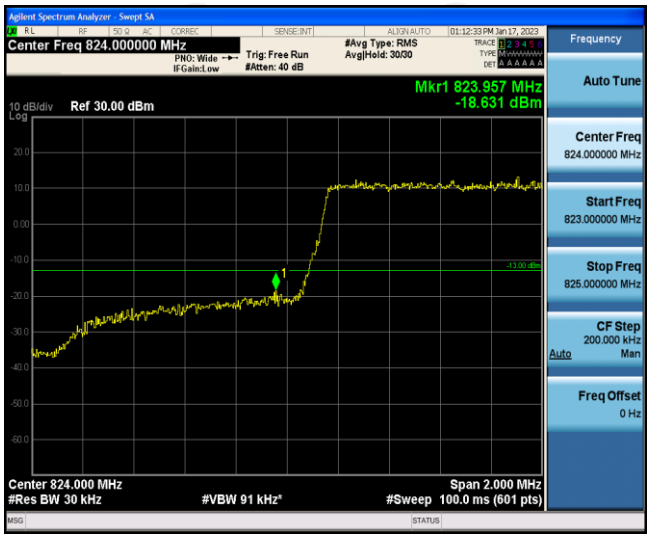
Appendix D: Band Edge

Test Result

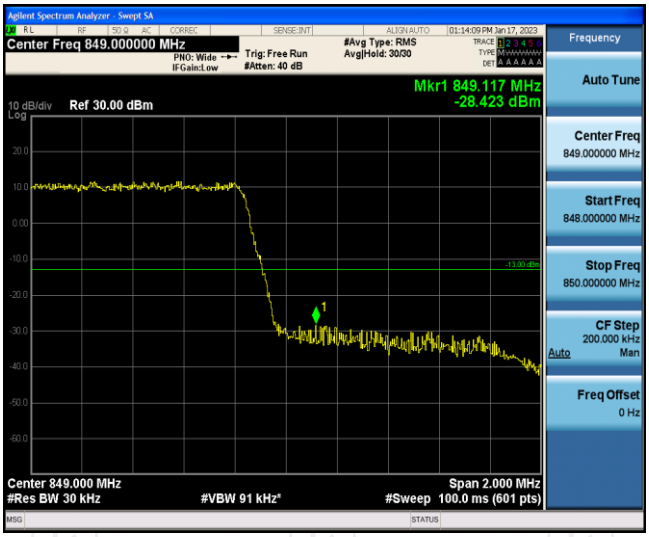
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	-18.63	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-28.42	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-20.82	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-28.20	PASS
Band5	3MHz	QPSK	20415	15RB#0	-15.61	PASS
Band5	3MHz	QPSK	20635	15RB#0	-17.23	PASS
Band5	3MHz	16QAM	20415	15RB#0	-18.23	PASS
Band5	3MHz	16QAM	20635	15RB#0	-19.77	PASS
Band5	5MHz	QPSK	20425	25RB#0	-20.18	PASS
Band5	5MHz	QPSK	20625	25RB#0	-23.14	PASS
Band5	5MHz	16QAM	20425	25RB#0	-21.58	PASS
Band5	5MHz	16QAM	20625	25RB#0	-23.01	PASS
Band5	10MHz	QPSK	20450	50RB#0	-24.49	PASS
Band5	10MHz	QPSK	20600	50RB#0	-25.37	PASS
Band5	10MHz	16QAM	20450	50RB#0	-25.87	PASS
Band5	10MHz	16QAM	20600	50RB#0	-26.35	PASS

Test Graphs

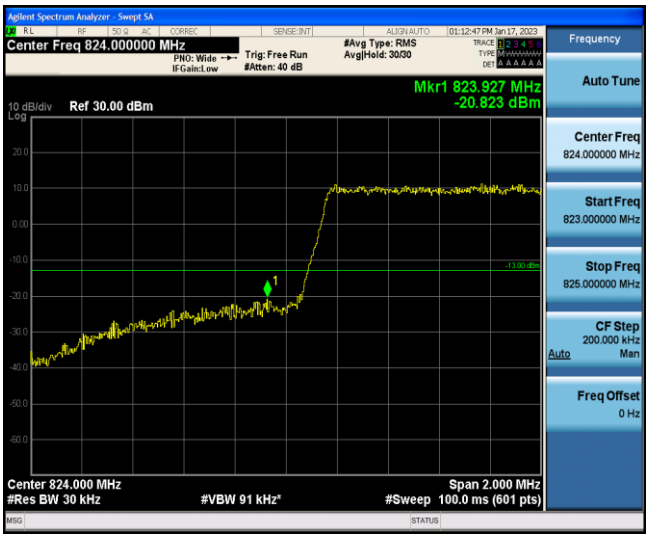
Band5-1.4MHz-QPSK-20407-6RB#0



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



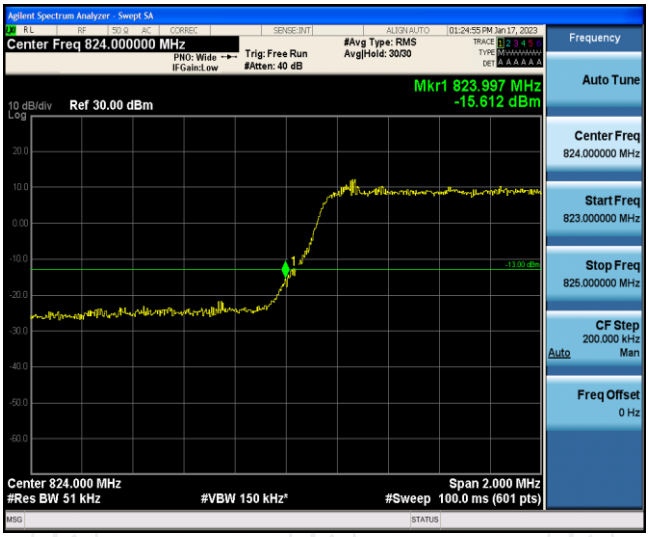
Band5-1.4MHz-16QAM-20407-6RB#0



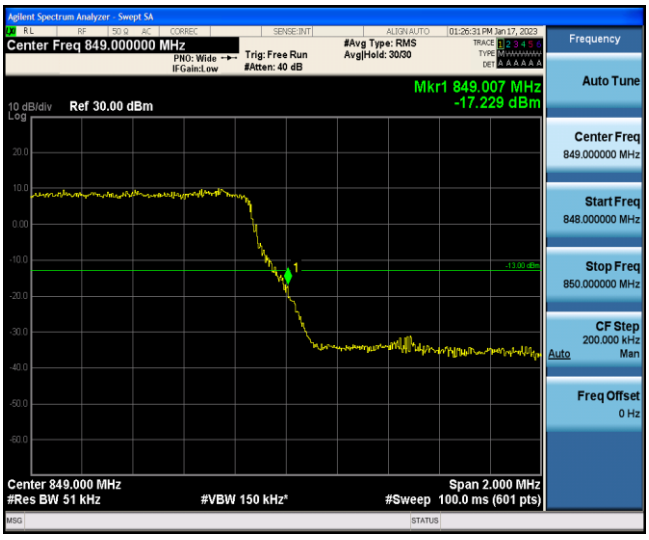
Band5-1.4MHz-16QAM-20643-6RB#0

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

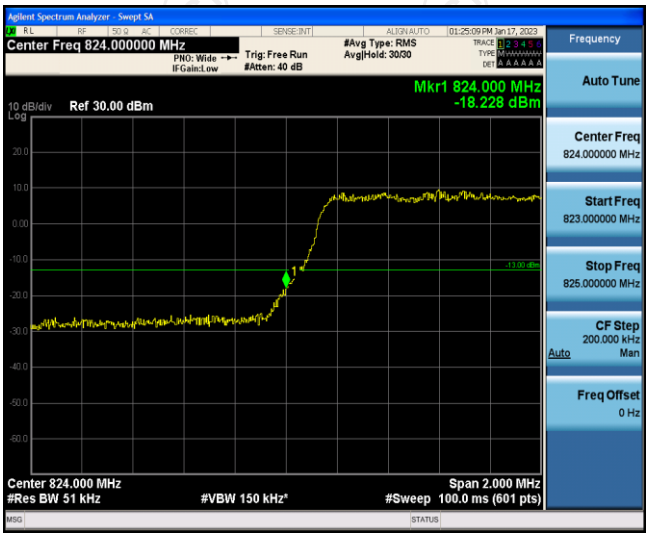
Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com



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

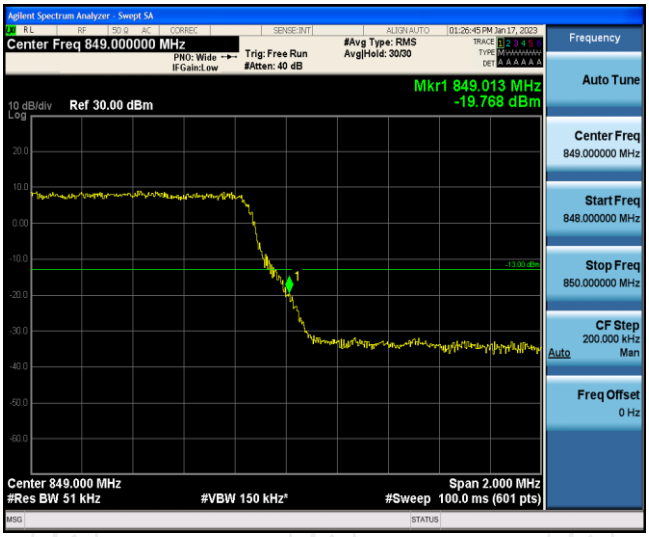


Band5-3MHz-16QAM-20415-15RB#0

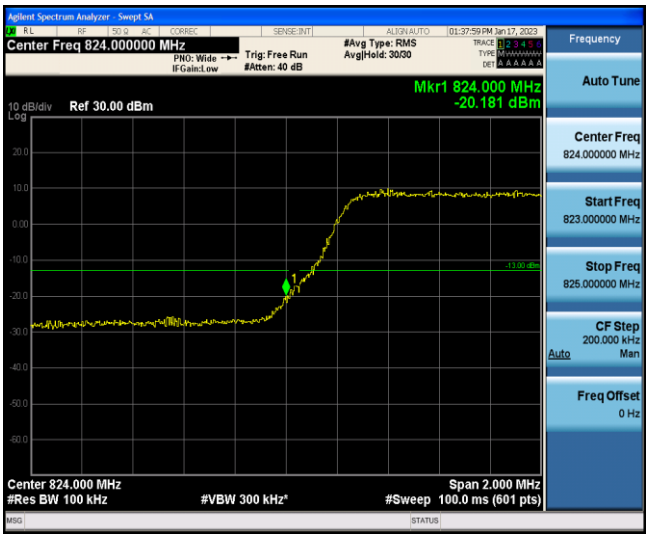


Band5-3MHz-16QAM-20635-15RB#0

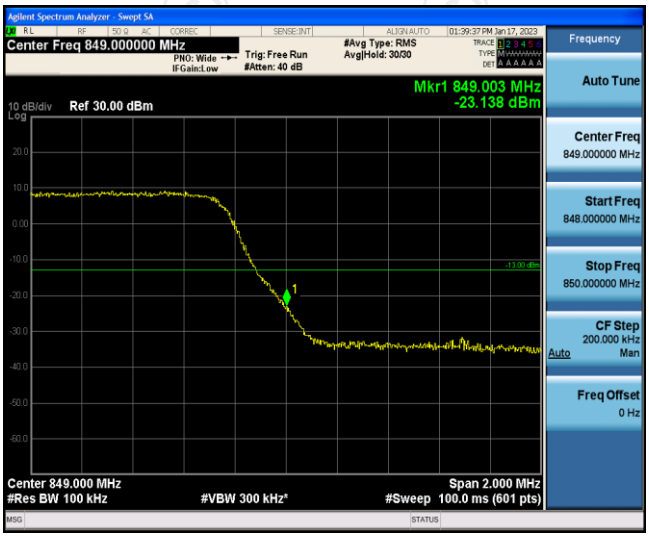
Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com



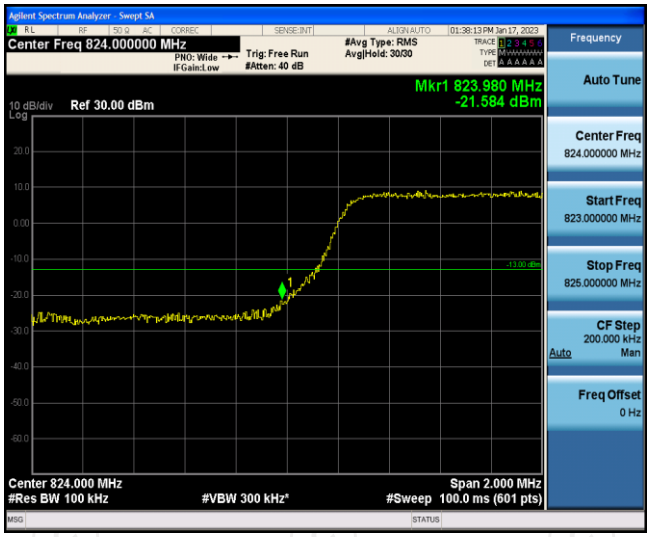
Band5-5MHz-QPSK-20425-25RB#0



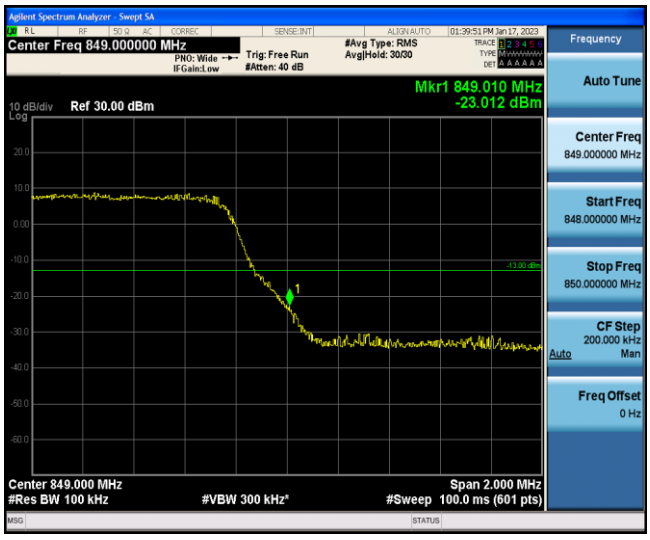
Band5-5MHz-QPSK-20625-25RB#0



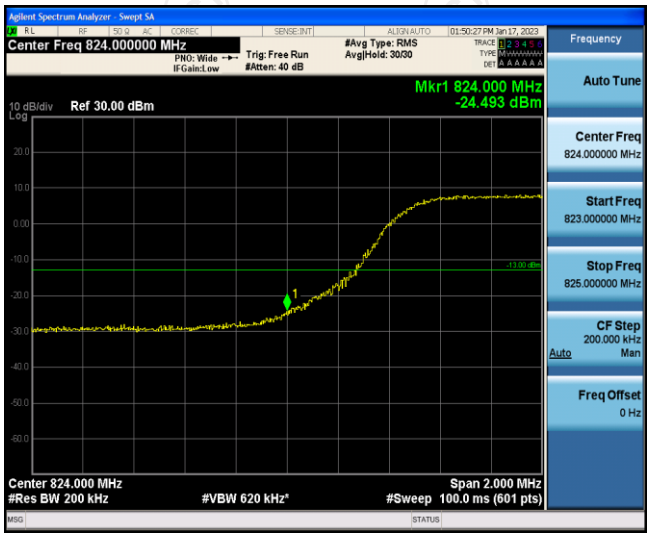
Band5-5MHz-16QAM-20425-25RB#0



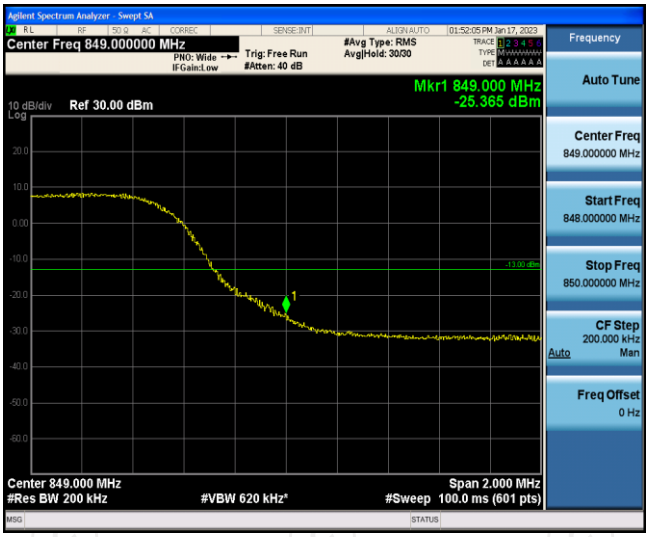
Band5-5MHz-16QAM-20625-25RB#0



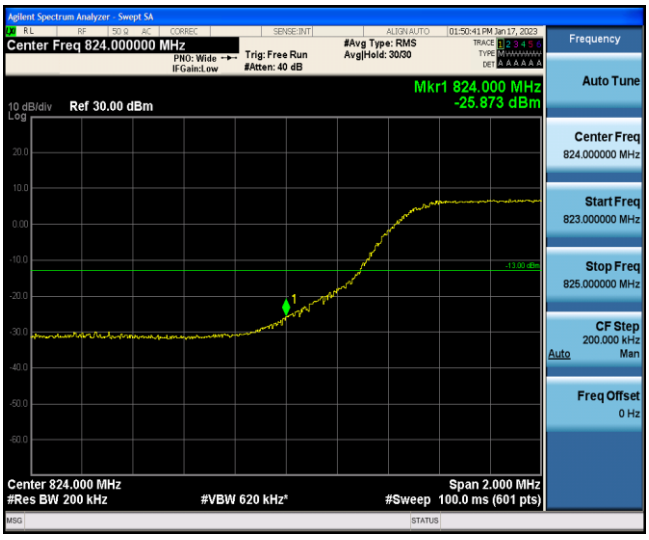
Band5-10MHz-QPSK-20450-50RB#0



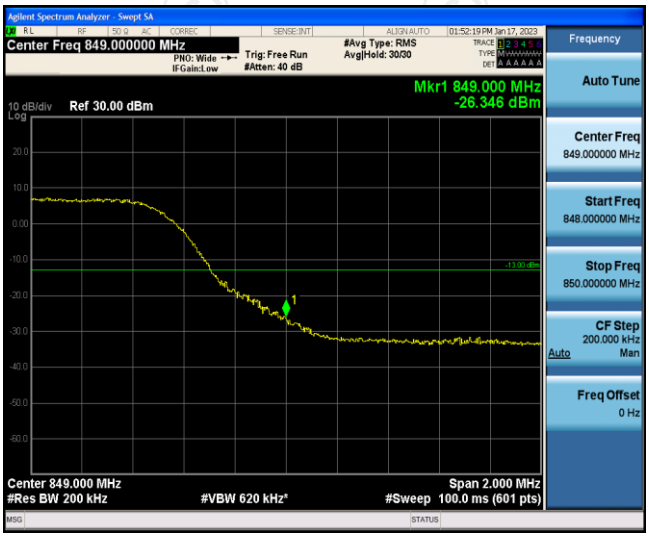
Band5-10MHz-QPSK-20600-50RB#0



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



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



Appendix E: Conducted Spurious Emission

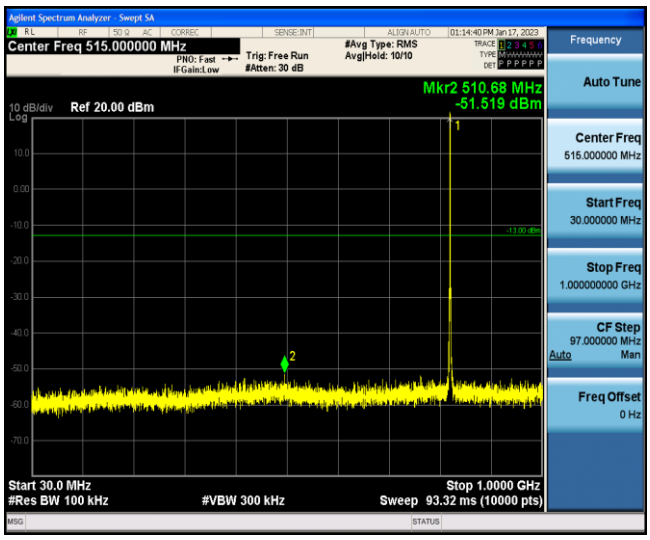
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	Range1:30~1000MHz	-51.52	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range2:1000~10000MHz	-33.46	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-52.99	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-29.15	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range1:30~1000MHz	-52.47	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range2:1000~10000MHz	-27.99	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range1:30~1000MHz	-51.81	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range2:1000~10000MHz	-35.41	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-52.52	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-29.3	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range1:30~1000MHz	-52.64	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range2:1000~10000MHz	-27.16	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range1:30~1000MHz	-51.15	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range2:1000~10000MHz	-29.82	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-52.43	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-28.63	PASS
Band5	3MHz	QPSK	20635	1RB#0	Range1:30~1000MHz	-51.75	PASS
Band5	3MHz	QPSK	20635	1RB#0	Range2:1000~10000MHz	-27.72	PASS
Band5	3MHz	16QAM	20415	1RB#0	Range1:30~1000MHz	-51.78	PASS
Band5	3MHz	16QAM	20415	1RB#0	Range2:1000~10000MHz	-31.86	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-51.8	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-29.36	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range1:30~1000MHz	-51.47	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range2:1000~10000MHz	-29.66	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range1:30~1000MHz	-51.44	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range2:1000~10000MHz	-32.5	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-51.61	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-29.49	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range1:30~1000MHz	-51.75	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range2:1000~10000MHz	-28.06	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range1:30~1000MHz	-51.53	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range2:1000~10000MHz	-32.2	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-52.98	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-30.1	PASS
Band5	5MHz	16QAM	20625	1RB#0	Range1:30~1000MHz	-52.25	PASS

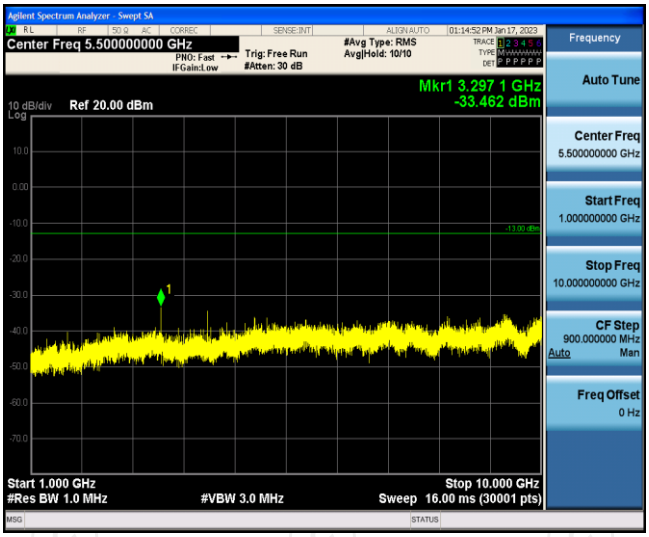
Band5	5MHz	16QAM	20625	1RB#0	Range2:1000~10000MHz	-29.19	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range1:30~1000MHz	-51.77	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range2:1000~10000MHz	-32.1	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-52.36	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-30.5	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range1:30~1000MHz	-52.47	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range2:1000~10000MHz	-26.81	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range1:30~1000MHz	-52.27	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range2:1000~10000MHz	-33.53	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-51.85	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-33.44	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range1:30~1000MHz	-51.64	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range2:1000~10000MHz	-30.73	PASS

Test Graphs

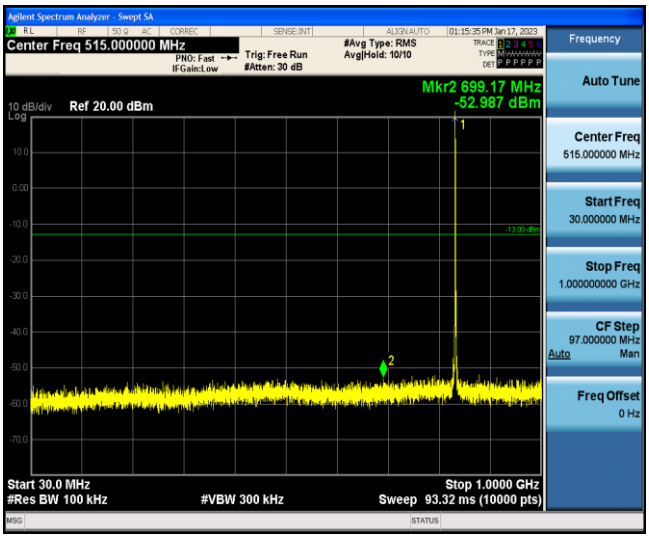
Band5-1.4MHz-QPSK-20407-1RB#0-Range1:30~1000MHz



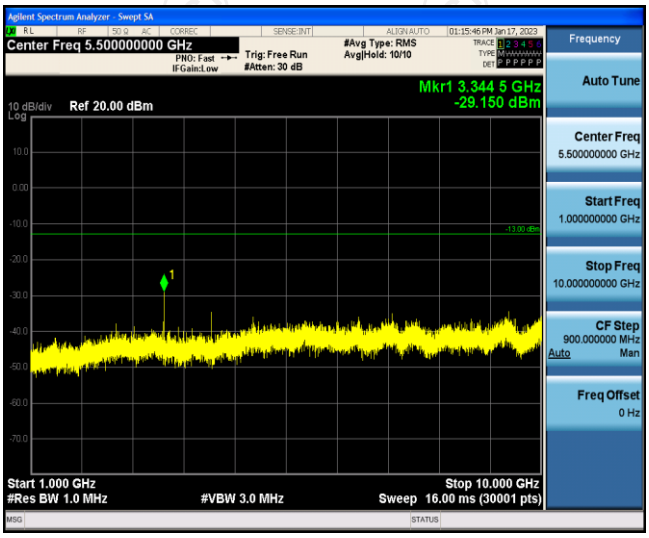
Band5-1.4MHz-QPSK-20407-1RB#0-Range2:1000~10000MHz



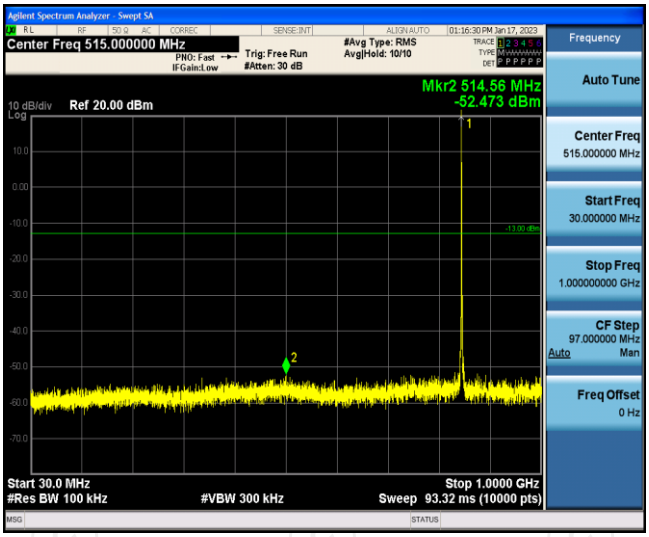
Band5-1.4MHz-QPSK-20525-1RB#0-Range1:30~1000MHz



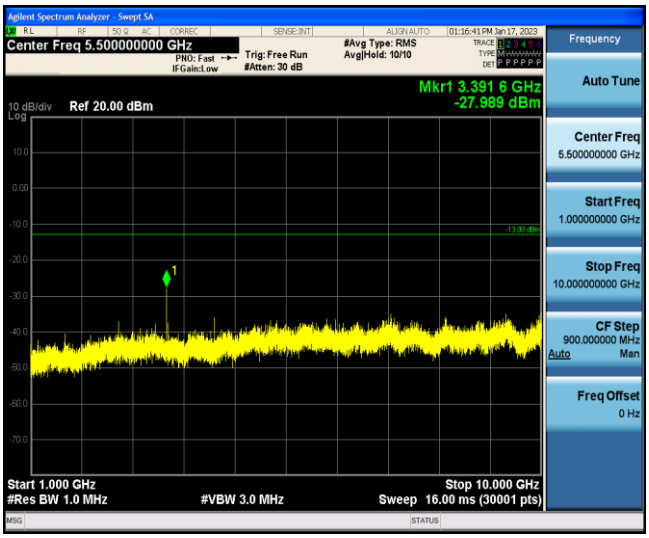
Band5-1.4MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz



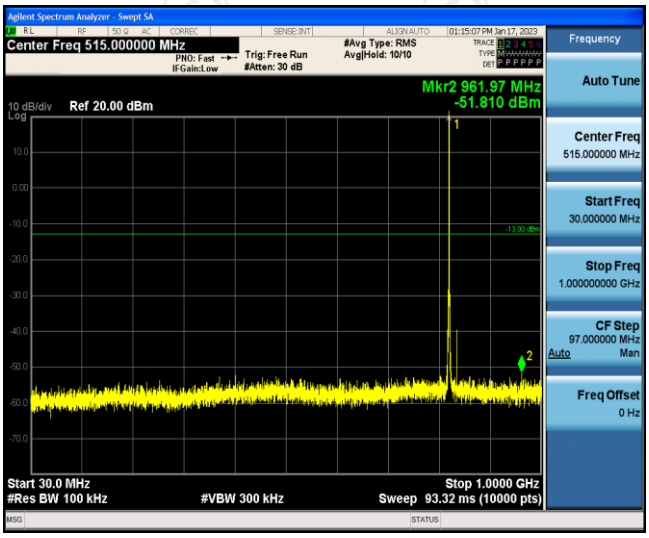
Band5-1.4MHz-QPSK-20643-1RB#0-Range1:30~1000MHz



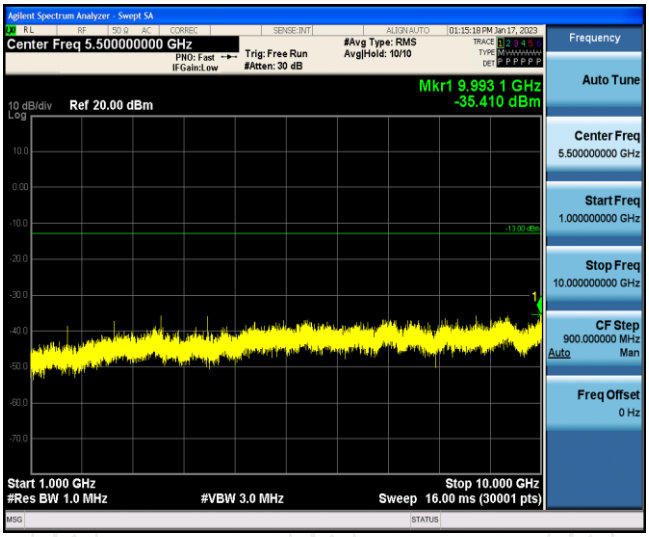
Band5-1.4MHz-QPSK-20643-1RB#0-Range2:1000~10000MHz



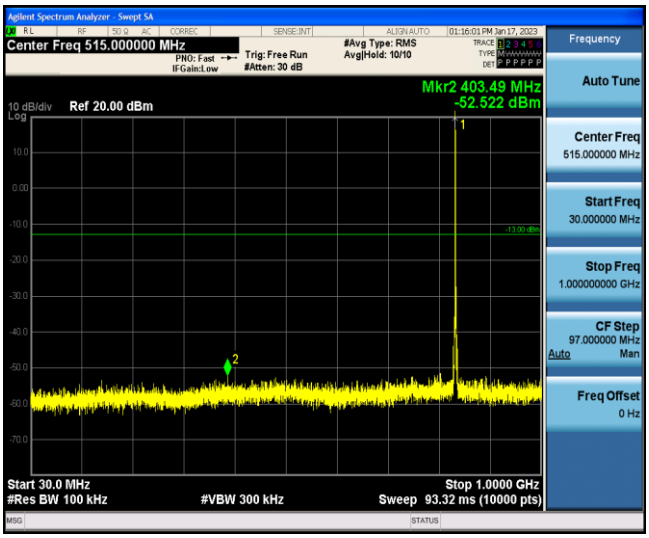
Band5-1.4MHz-16QAM-20407-1RB#0-Range1:30~1000MHz



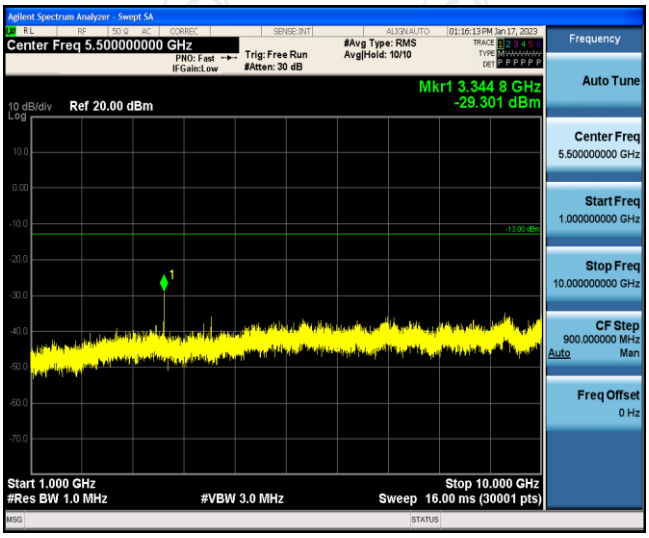
Band5-1.4MHz-16QAM-20407-1RB#0-Range2:1000~10000MHz



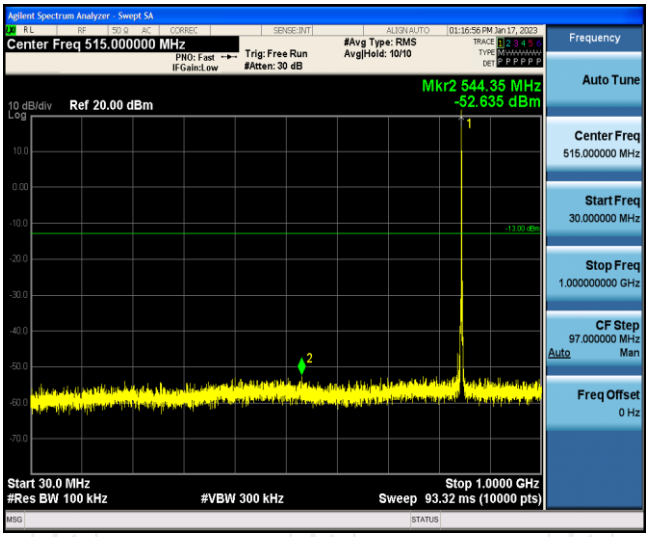
Band5-1.4MHz-16QAM-20525-1RB#0-Range1:30~1000MHz



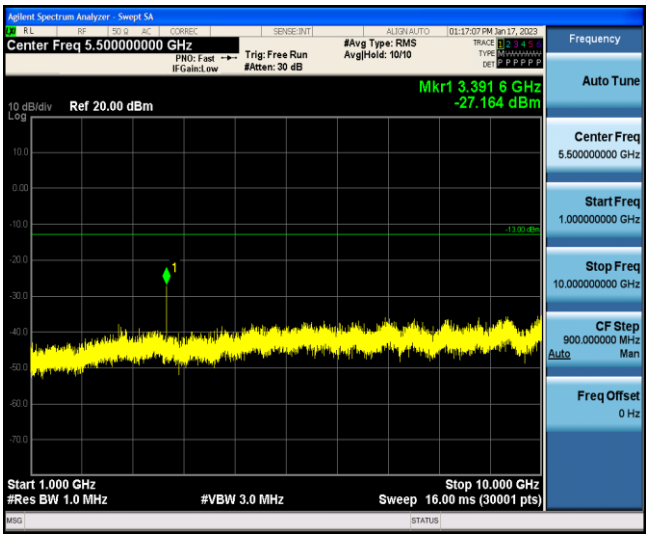
Band5-1.4MHz-16QAM-20525-1RB#0-Range2:1000~10000MHz



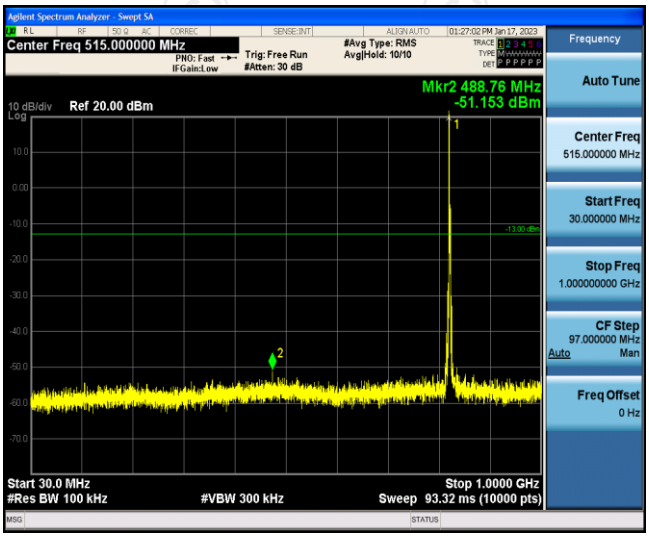
Band5-1.4MHz-16QAM-20643-1RB#0-Range1:30~1000MHz



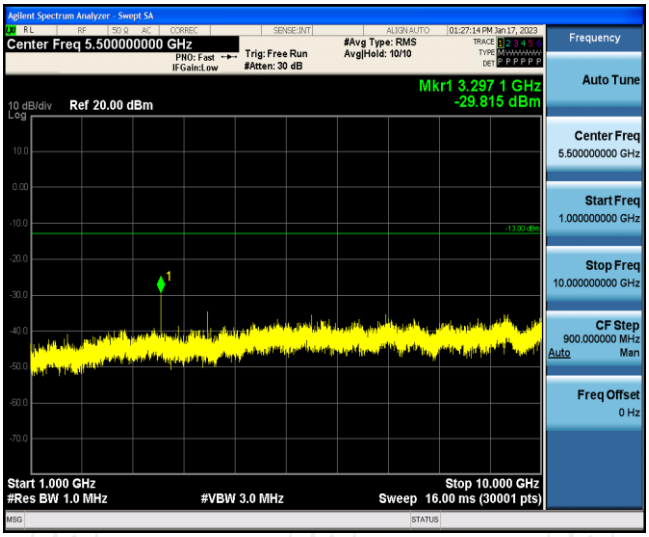
Band5-1.4MHz-16QAM-20643-1RB#0-Range2:1000~10000MHz



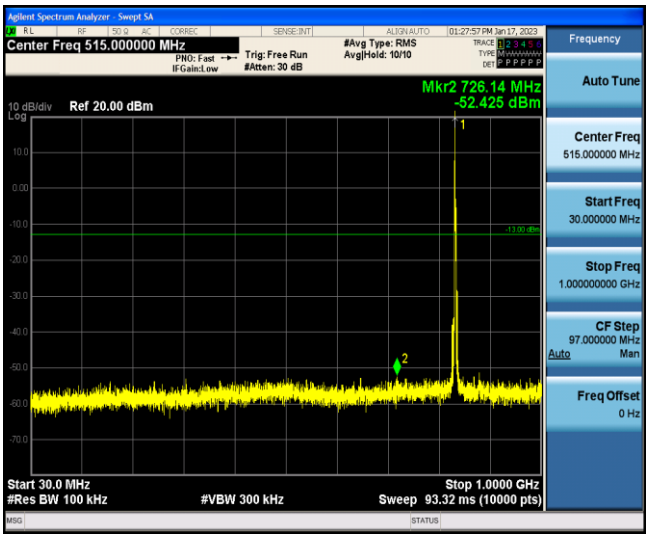
Band5-3MHz-QPSK-20415-1RB#0-Range1:30~1000MHz



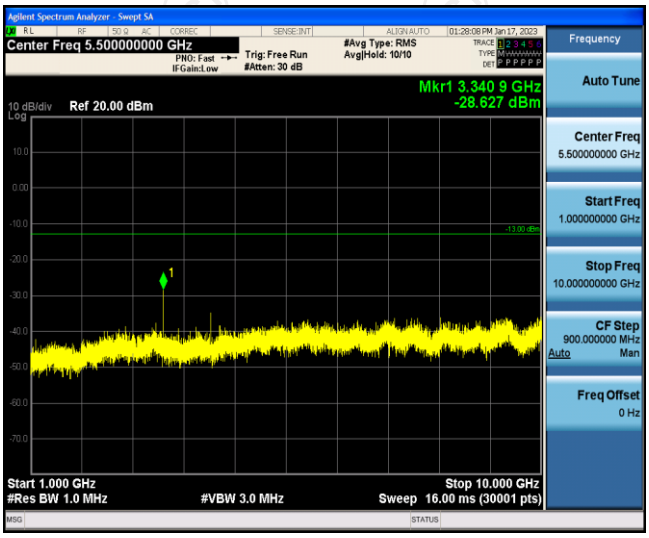
Band5-3MHz-QPSK-20415-1RB#0-Range2:1000~10000MHz



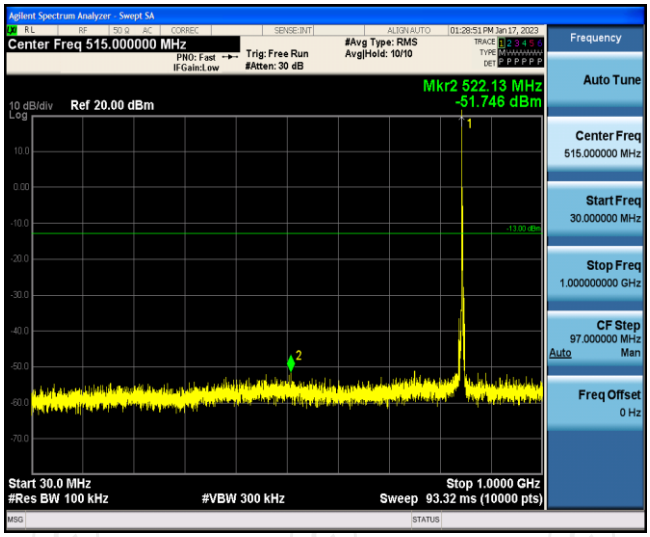
Band5-3MHz-QPSK-20525-1RB#0-Range1:30~1000MHz



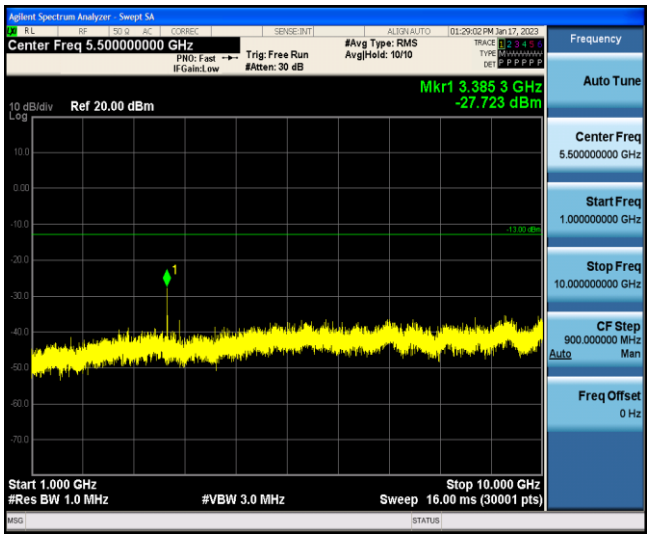
Band5-3MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz



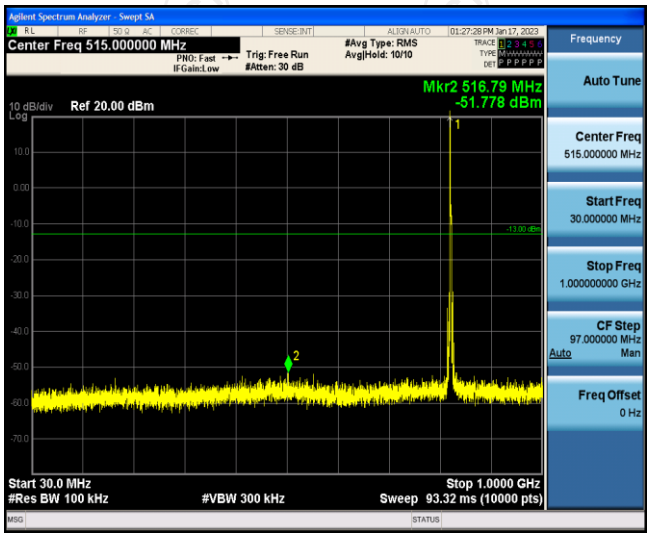
Band5-3MHz-QPSK-20635-1RB#0-Range1:30~1000MHz



Band5-3MHz-QPSK-20635-1RB#0-Range2:1000~10000MHz



Band5-3MHz-16QAM-20415-1RB#0-Range1:30~1000MHz



Band5-3MHz-16QAM-20415-1RB#0-Range2:1000~10000MHz