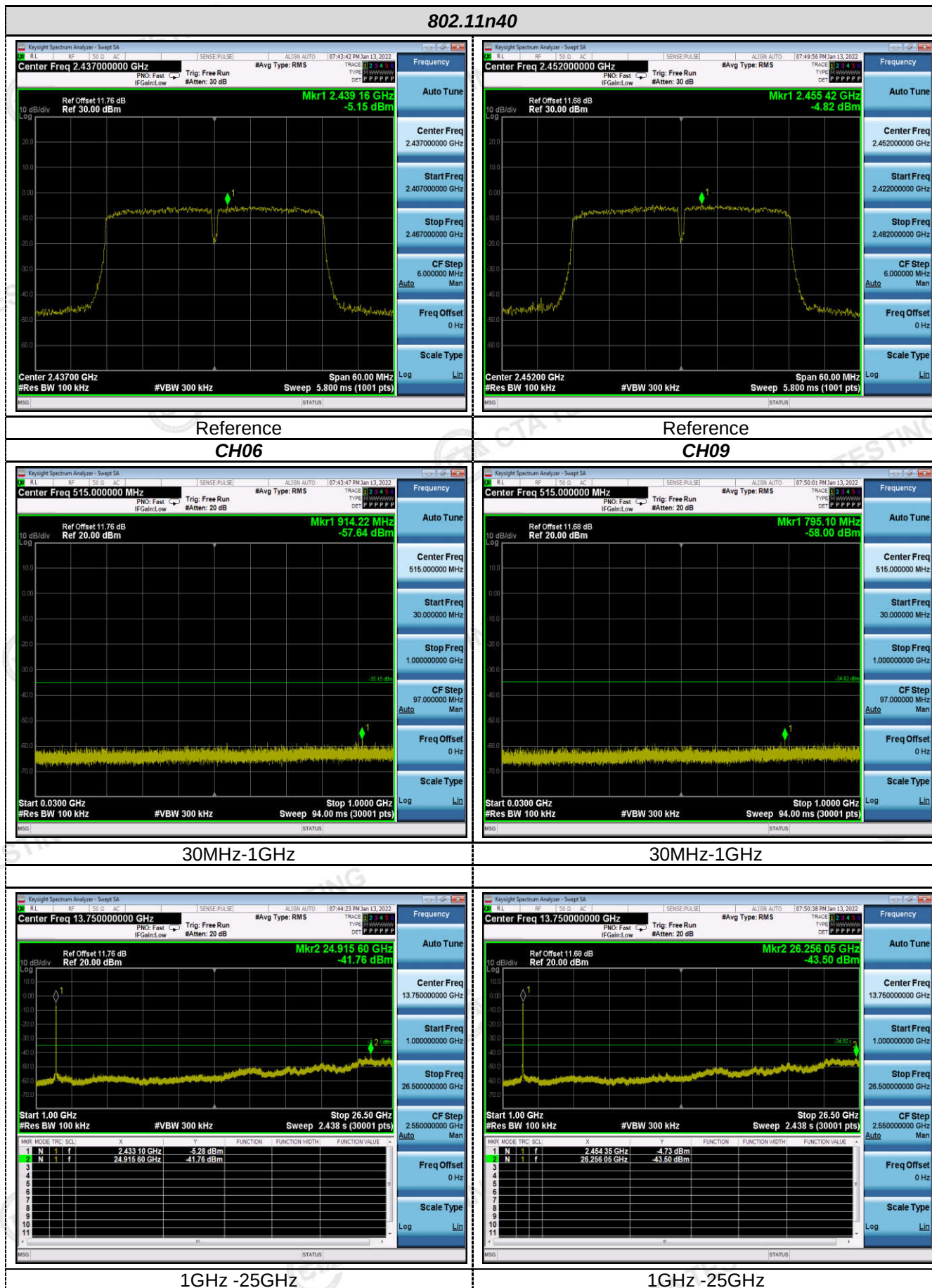
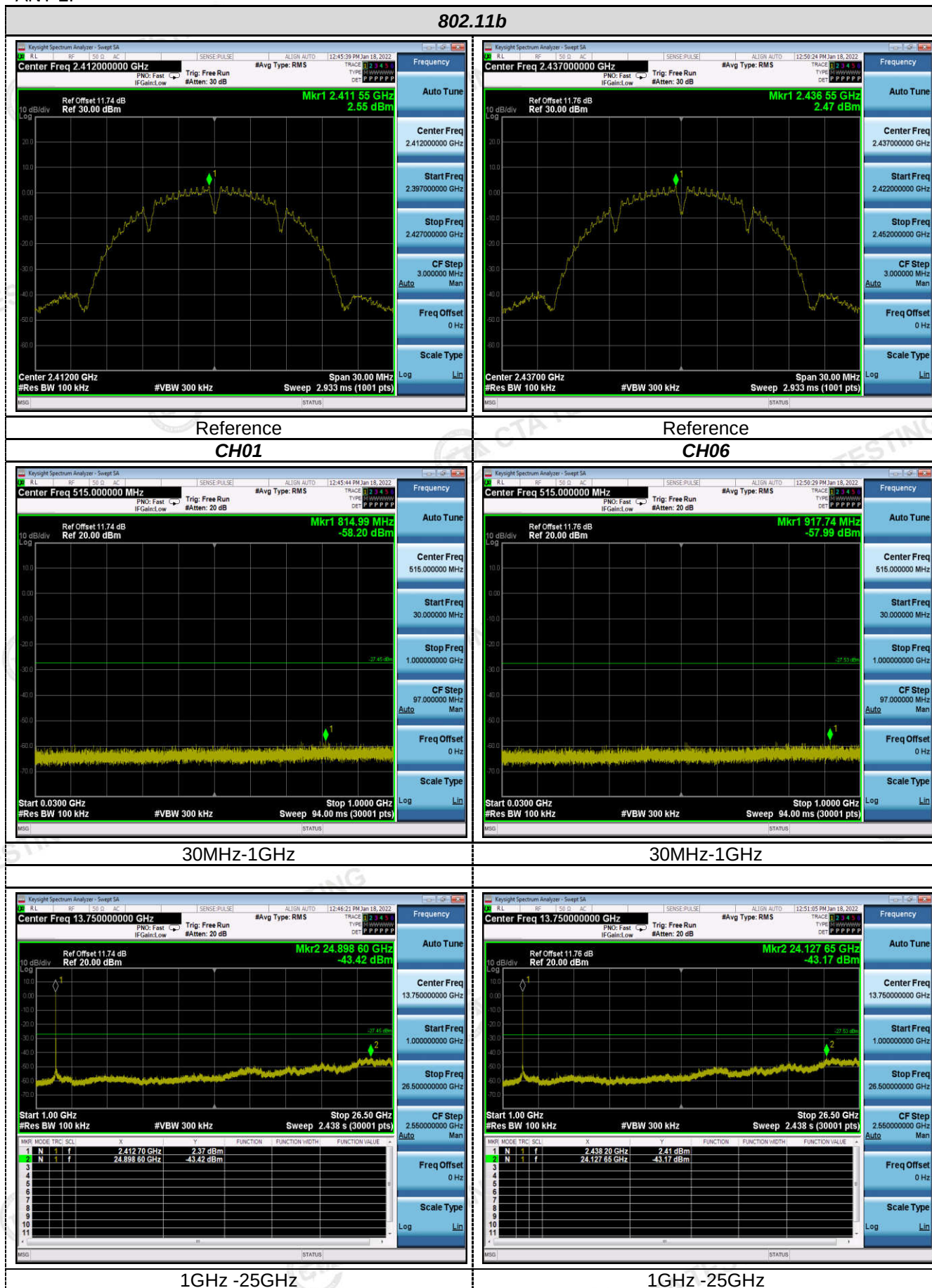
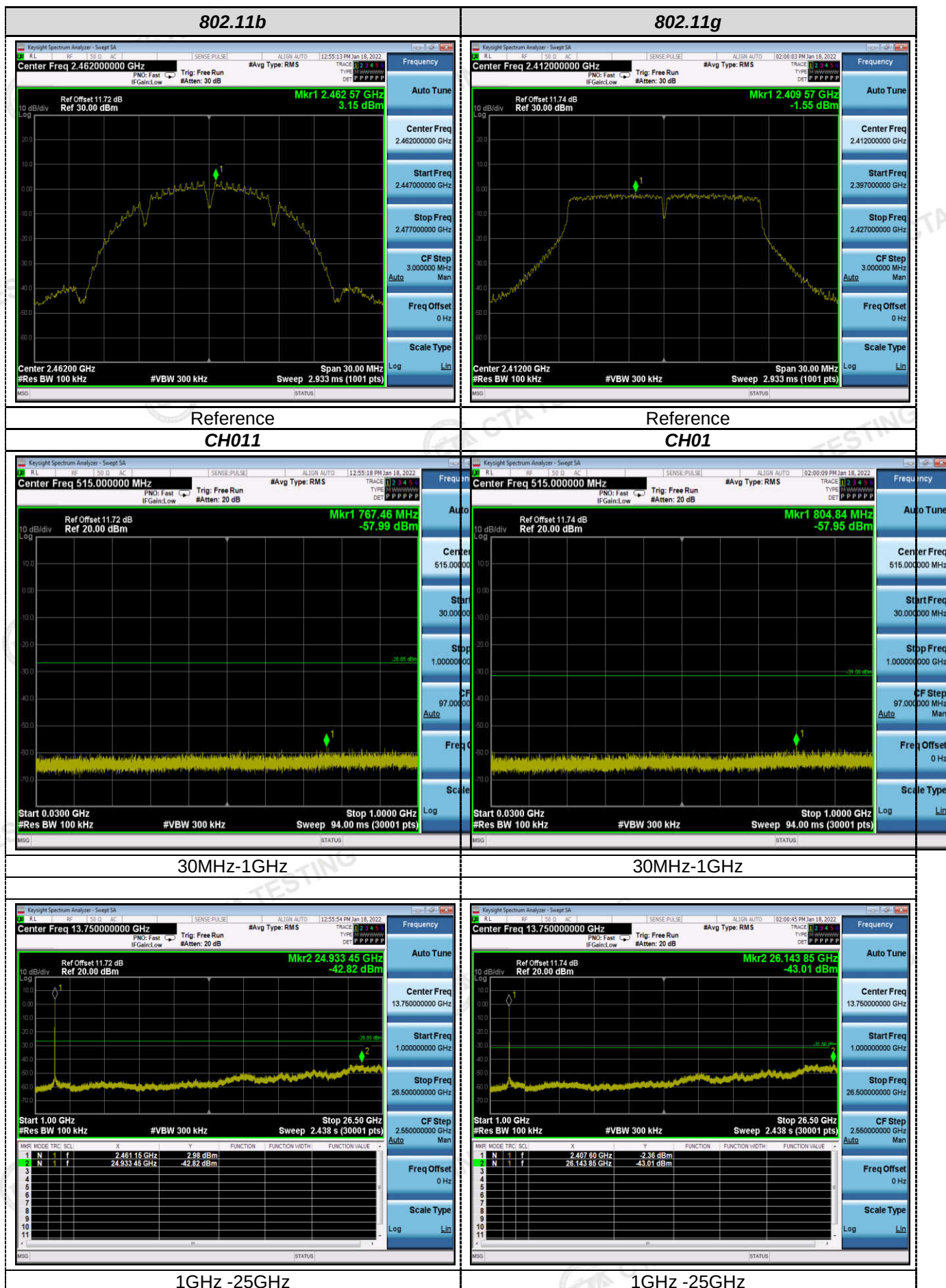


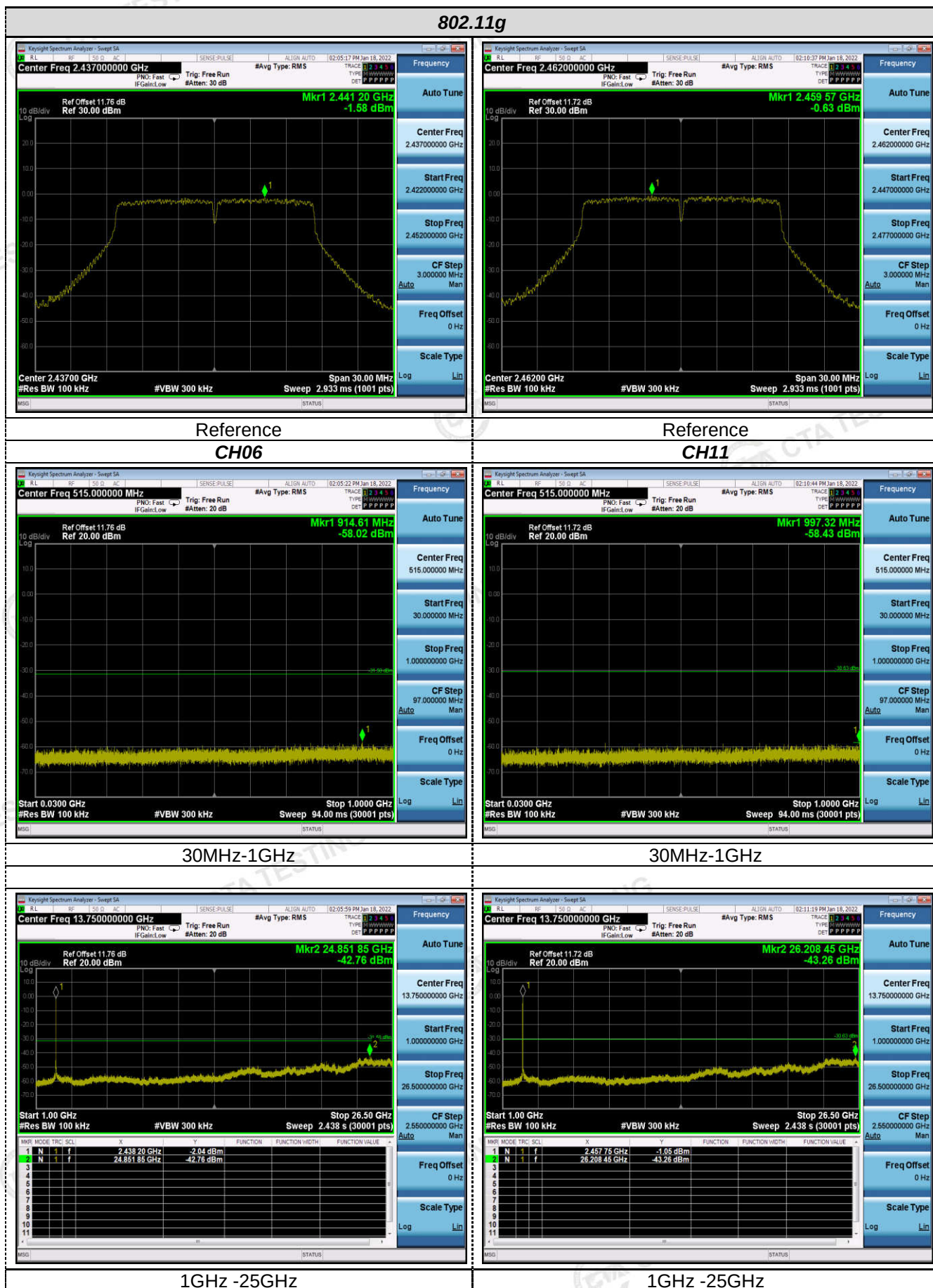
802.11n40



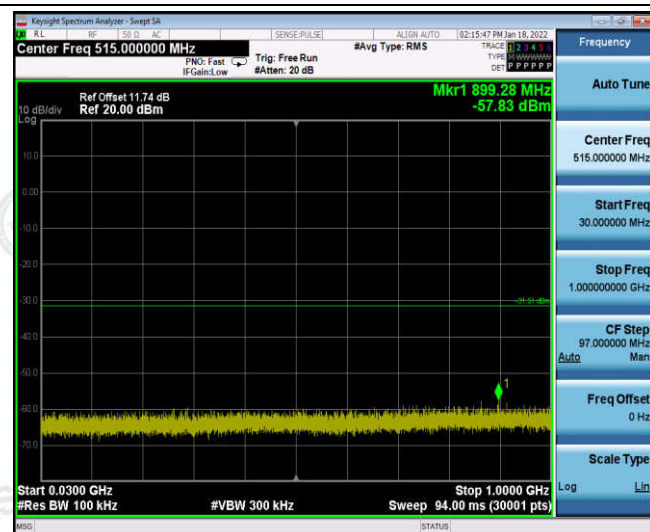
ANT 2:



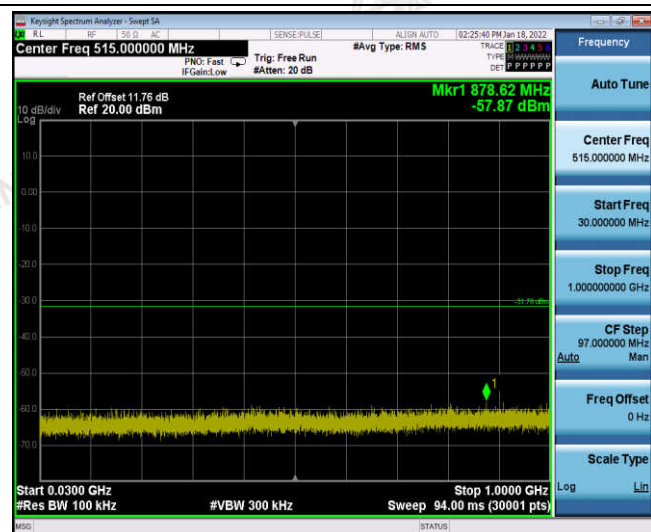




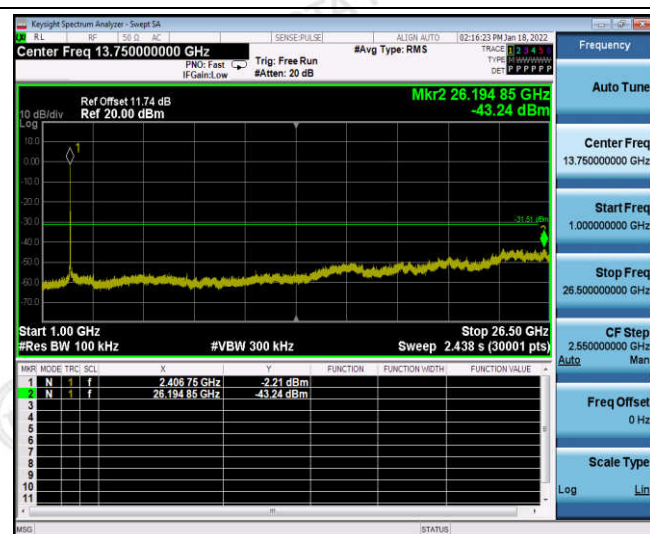
802.11n20

Reference
CH01Reference
CH06

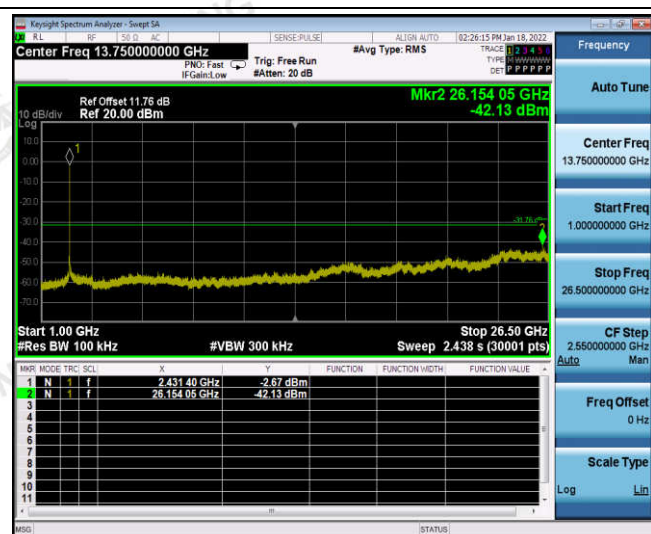
30MHz-1GHz



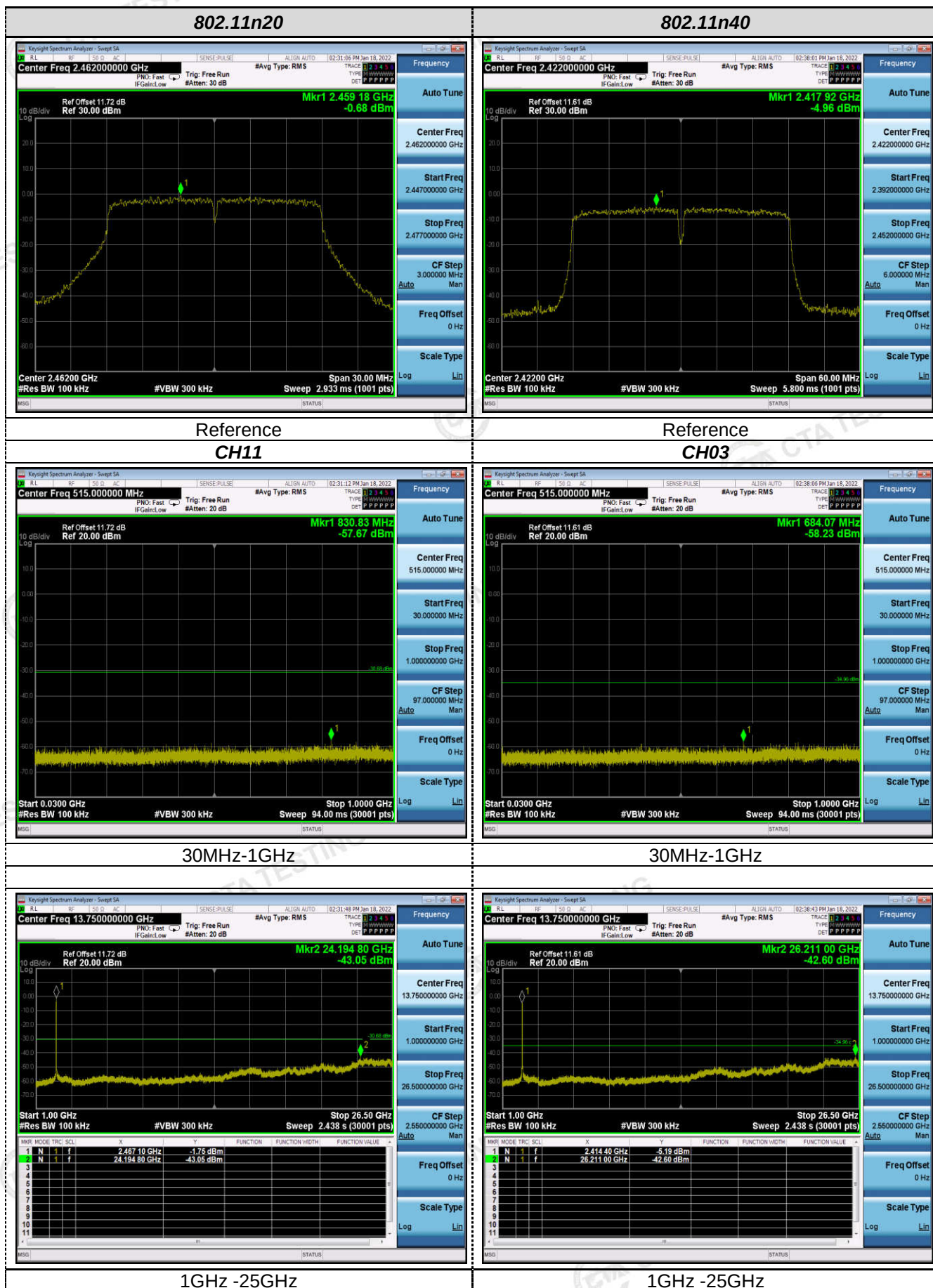
30MHz-1GHz



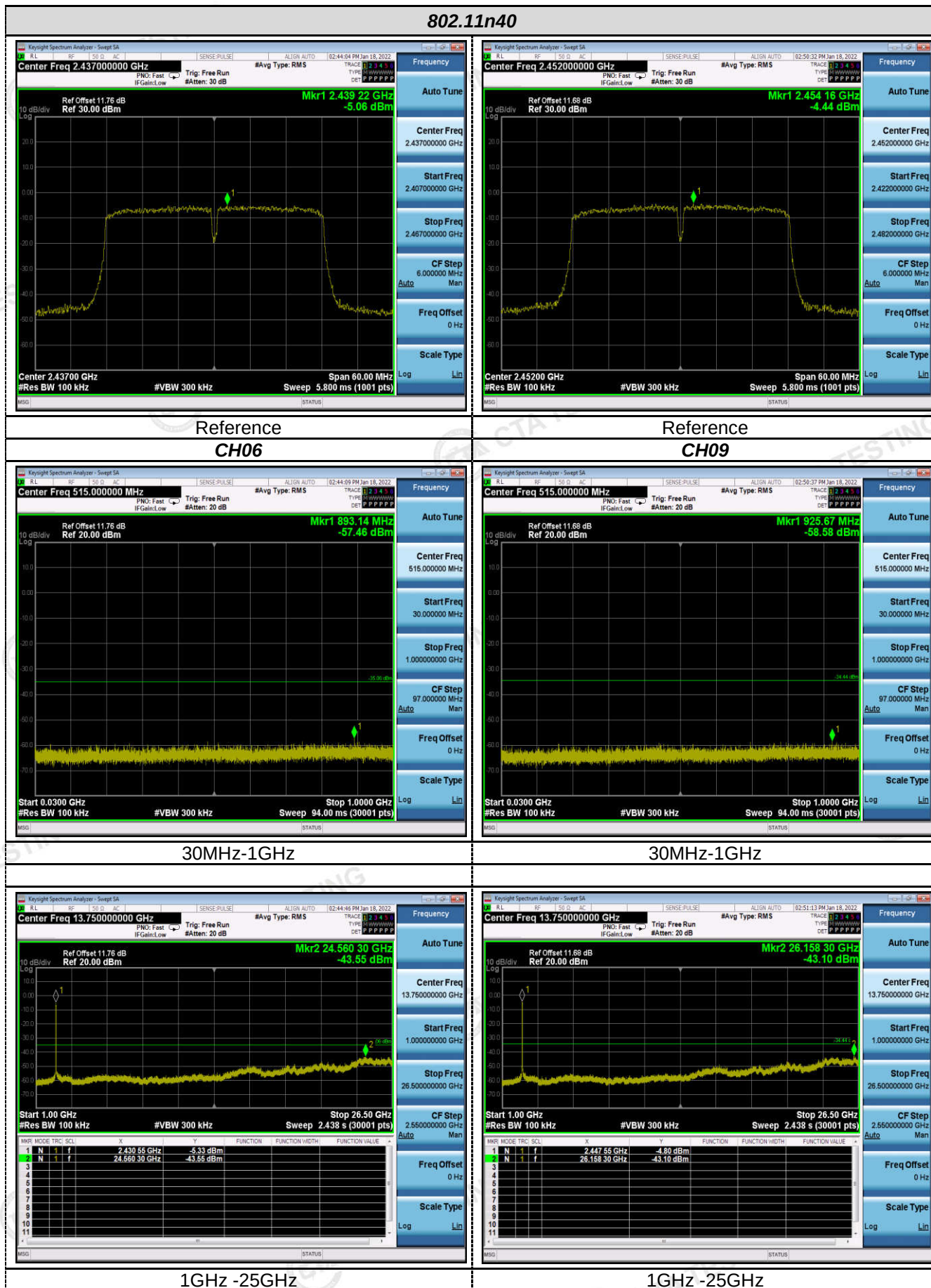
1GHz -25GHz

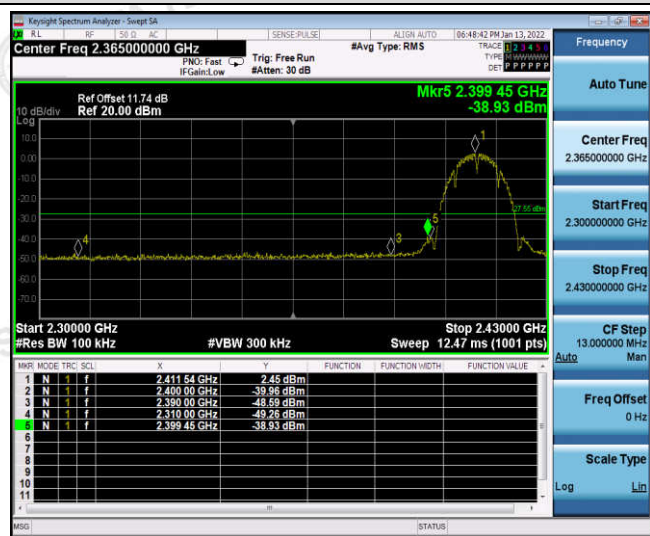


1GHz -25GHz

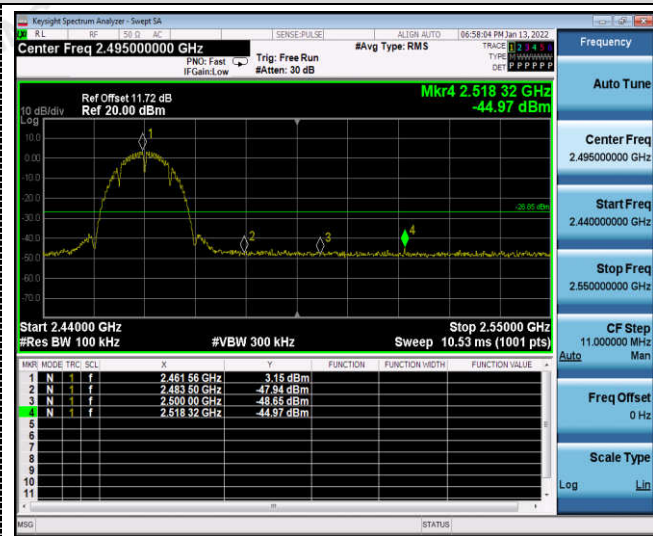


802.11n40

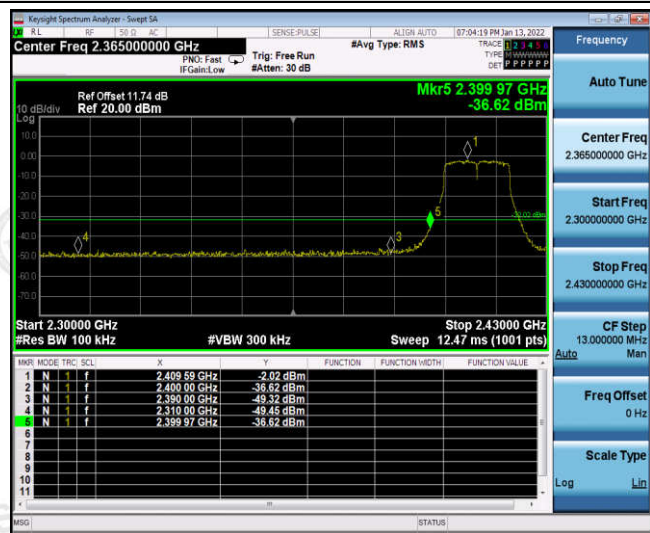


Band-edge Measurements for RF Conducted Emissions:**Ant1****802.11b**

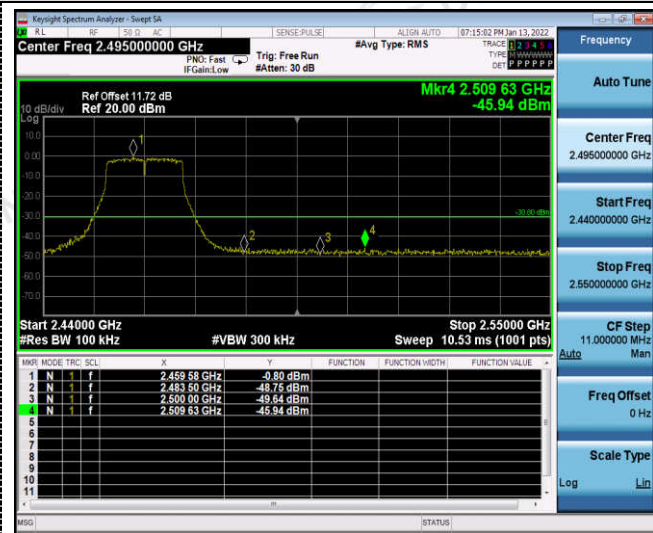
Left bandedge



Right bandedge

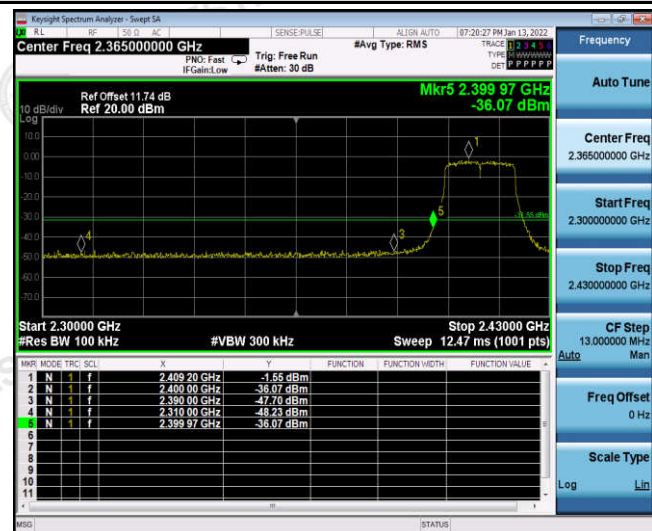
802.11g

Left bandedge

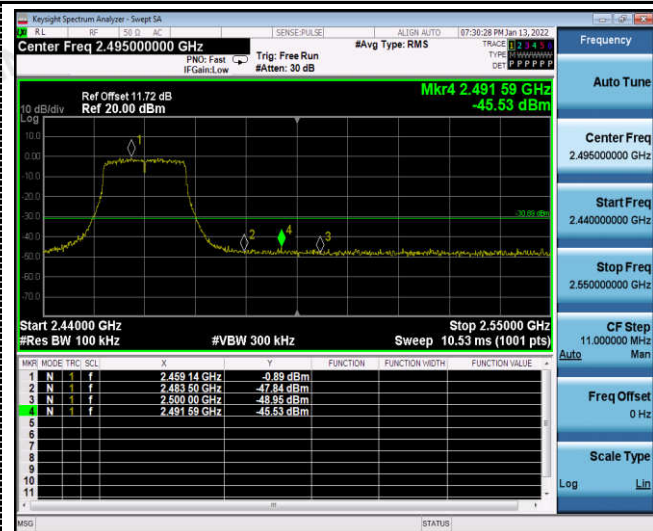


Right bandedge

802.11n(HT20)

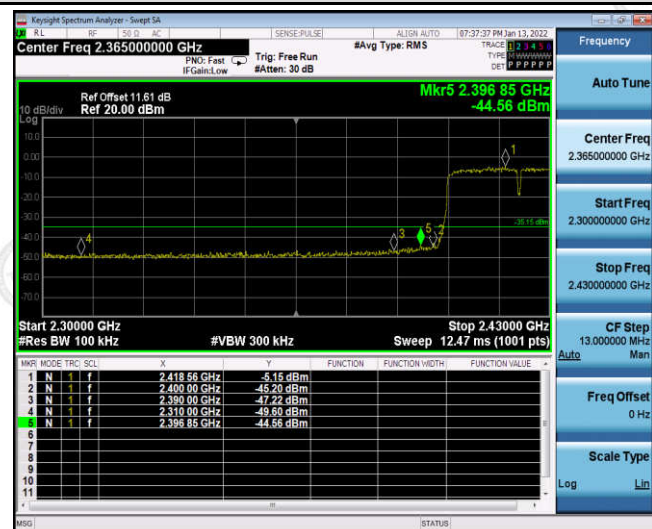


Left bandedge

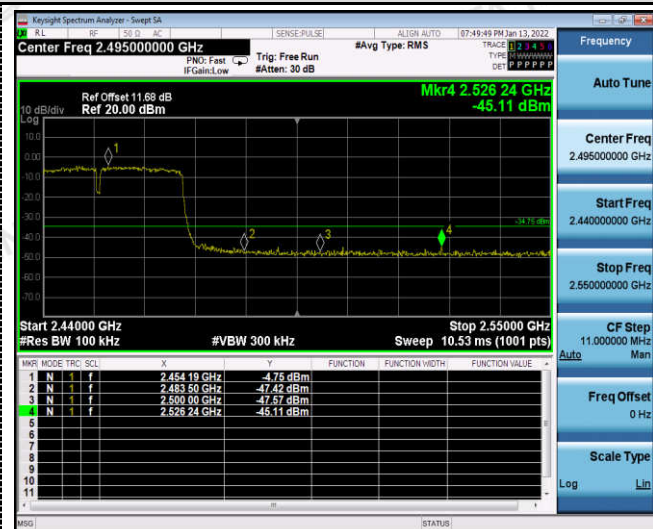


Right bandedge

802.11n(HT40)

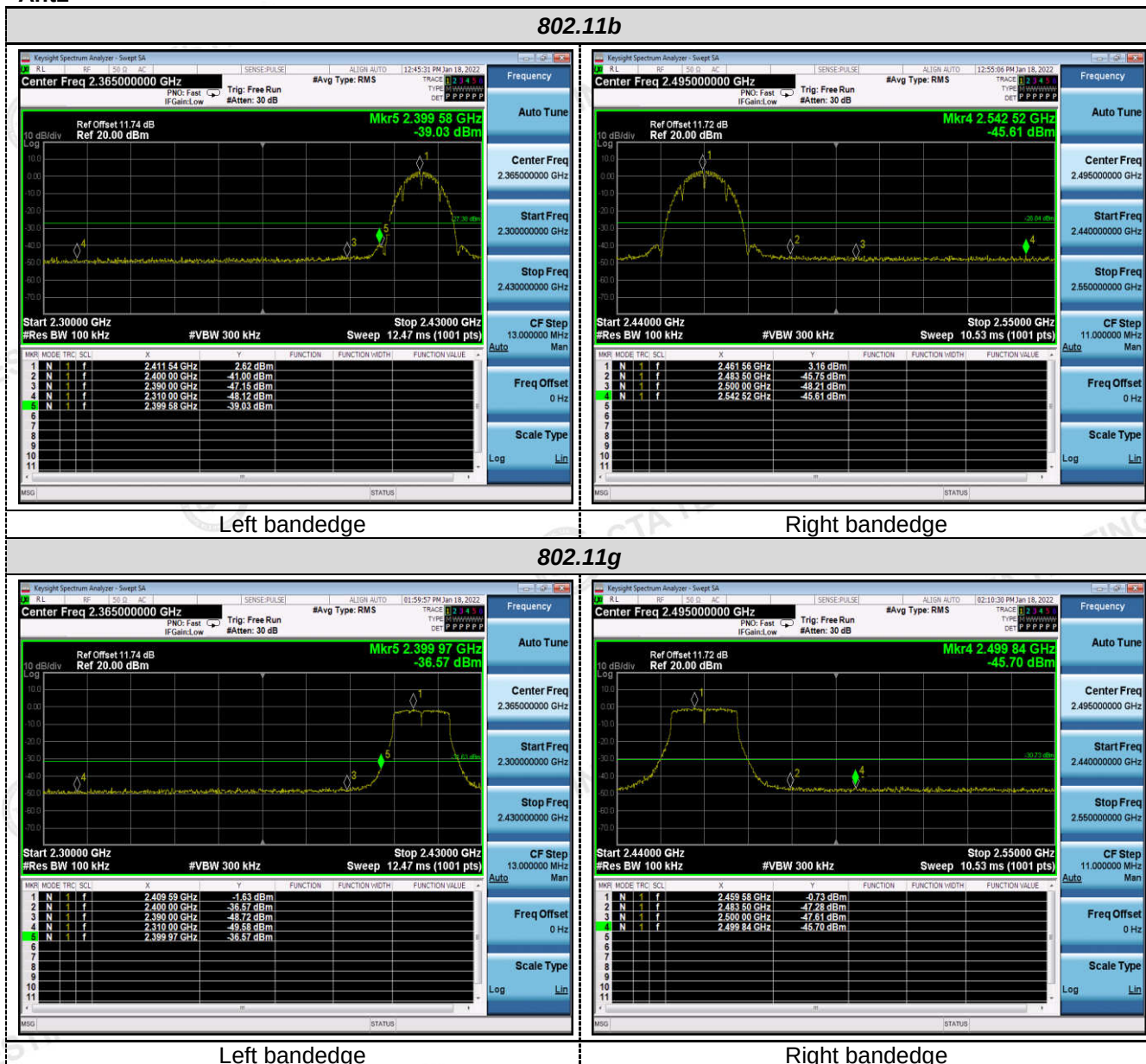


Left bandedge

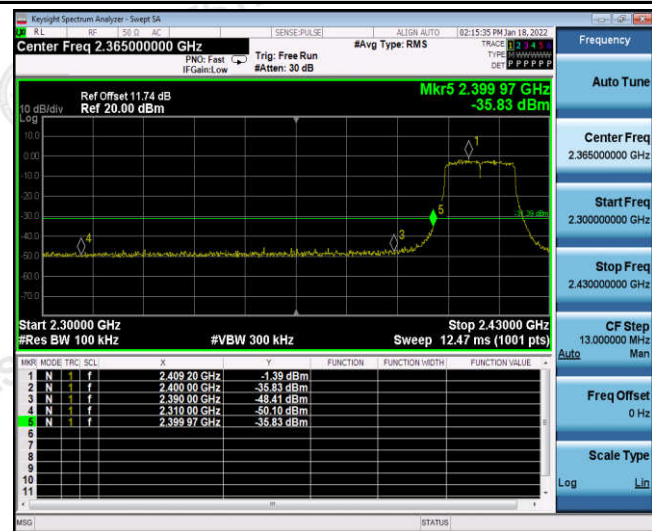


Right bandedge

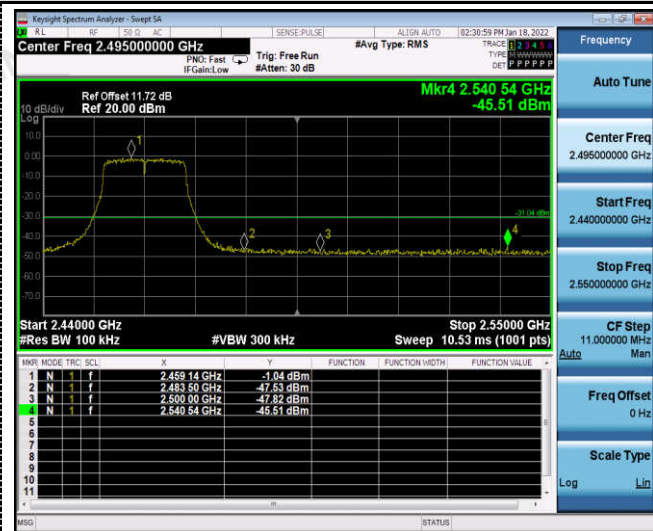
Ant2



802.11n(HT20)



Left bandedge

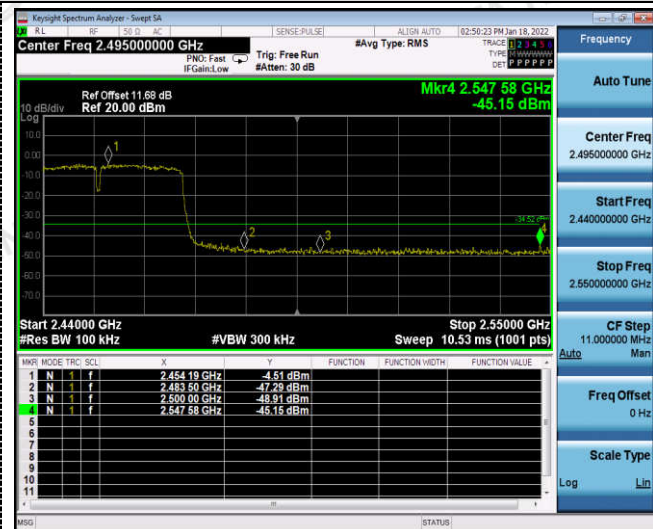


Right bandedge

802.11n(HT40)



Left bandedge



Right bandedge

4.7 On Time and Duty Cycle

Standard Applicable

None; for reporting purpose only.

Measuring Instruments and Setting

Please refer to equipment's list in this report. The following table is the setting of the spectrum analyzer.

Test Procedures:

1. Set the centre frequency of the spectrum analyzer to the transmitting frequency;
2. Set the span=0MHz, RBW=10MHz, VBW=10MHz, Sweep time=5ms;
3. Detector = peak;
4. Trace mode = Single hold.

Test Configuration

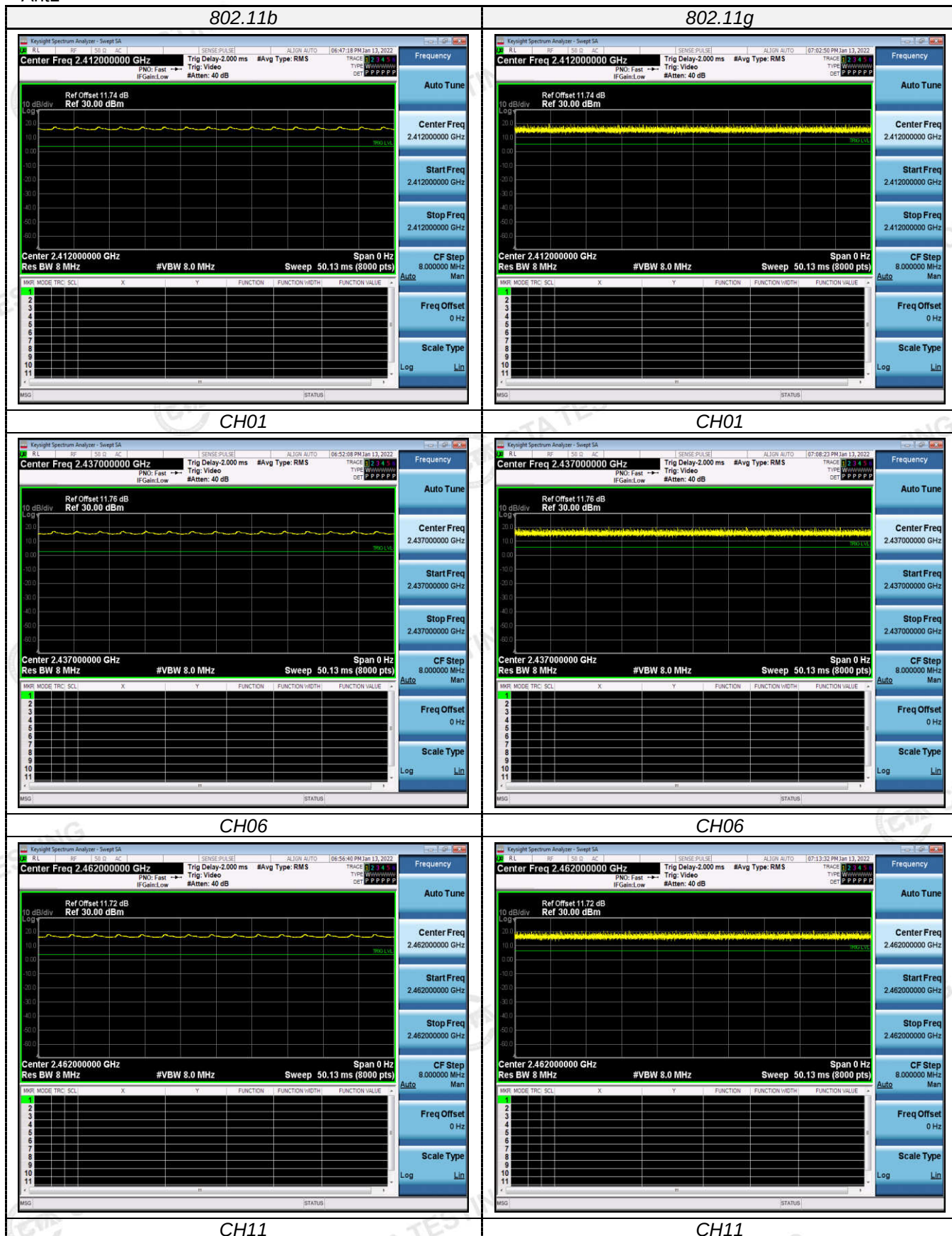


Test Results

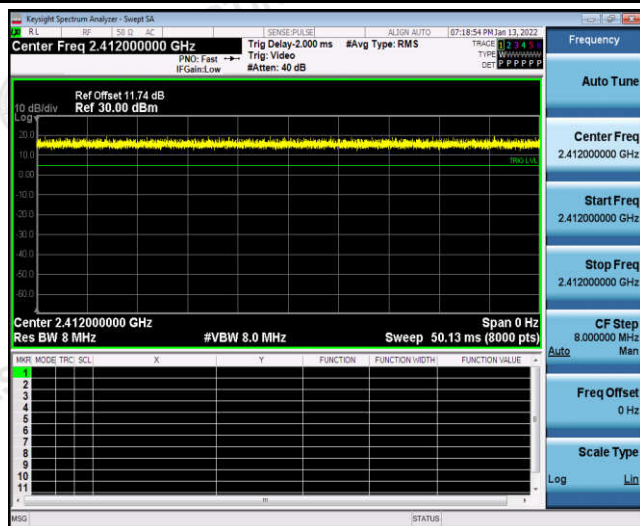
TestMode	Channel	Antenna	Duty Cycle [%]	Verdict
11B	2412	Ant1	100.00	PASS
	2437	Ant1	100.00	PASS
	2462	Ant1	100.00	PASS
11G	2412	Ant1	100.00	PASS
	2437	Ant1	100.00	PASS
	2462	Ant1	100.00	PASS
11N20SISO	2412	Ant1	100.00	PASS
	2437	Ant1	100.00	PASS
	2462	Ant1	100.00	PASS
11N40SISO	2422	Ant1	100.00	PASS
	2437	Ant1	100.00	PASS
	2452	Ant1	100.00	PASS

TestMode	Channel	Antenna	Duty Cycle [%]	Verdict
11B	2412	Ant2	100.00	PASS
	2437	Ant2	100.00	PASS
	2462	Ant2	100.00	PASS
11G	2412	Ant2	100.00	PASS
	2437	Ant2	100.00	PASS
	2462	Ant2	100.00	PASS
11N20SISO	2412	Ant2	100.00	PASS
	2437	Ant2	100.00	PASS
	2462	Ant2	100.00	PASS
11N40SISO	2422	Ant2	100.00	PASS
	2437	Ant2	100.00	PASS
	2452	Ant2	100.00	PASS

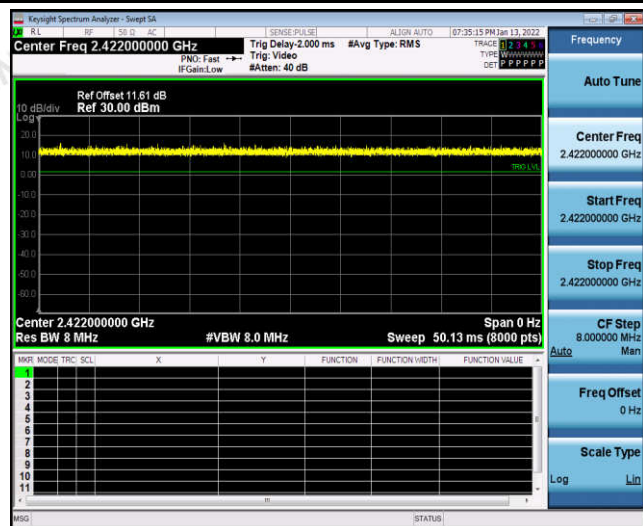
Ant1



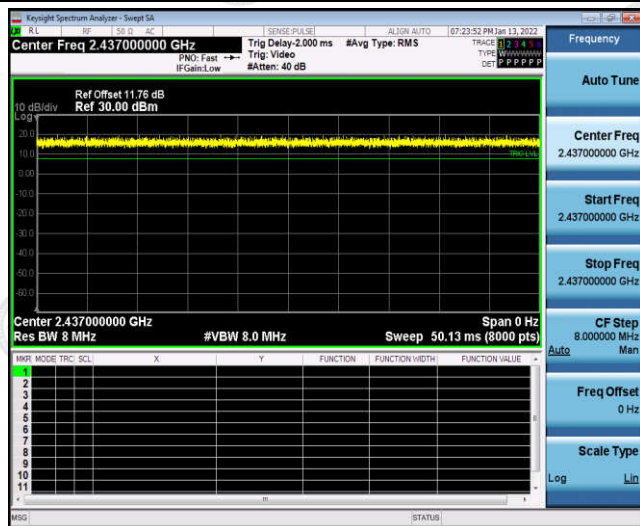
802.11n(HT20)



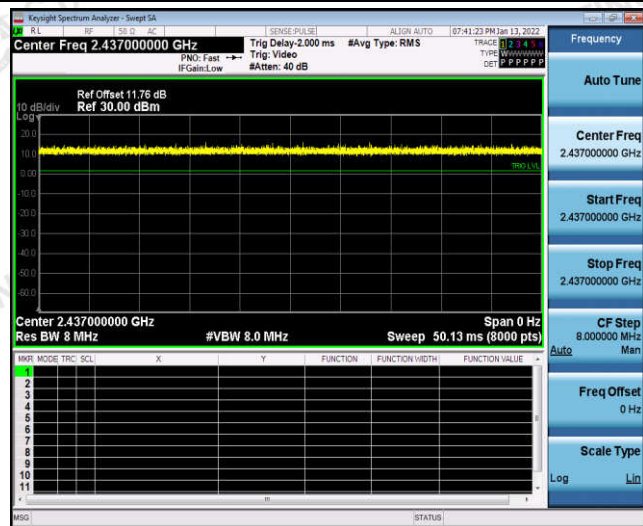
802.11n(HT40)



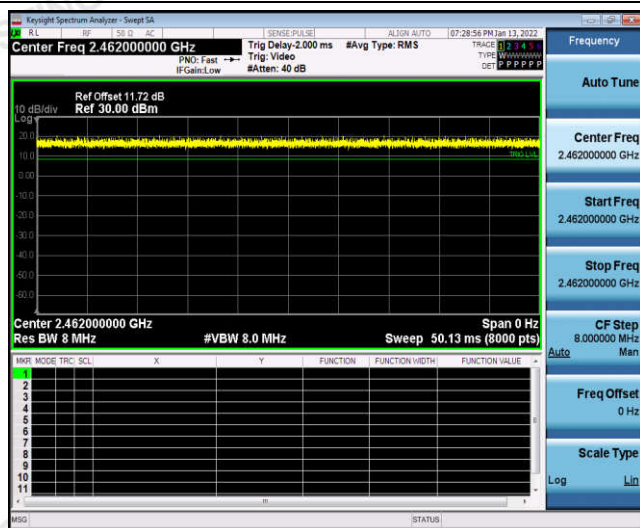
CH01



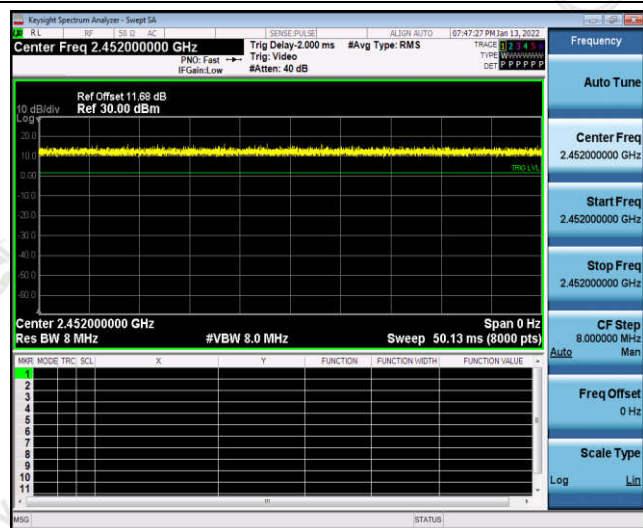
CH03



CH06



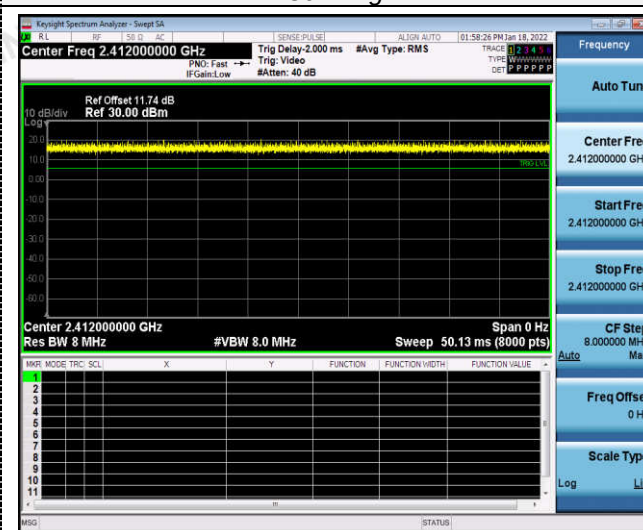
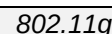
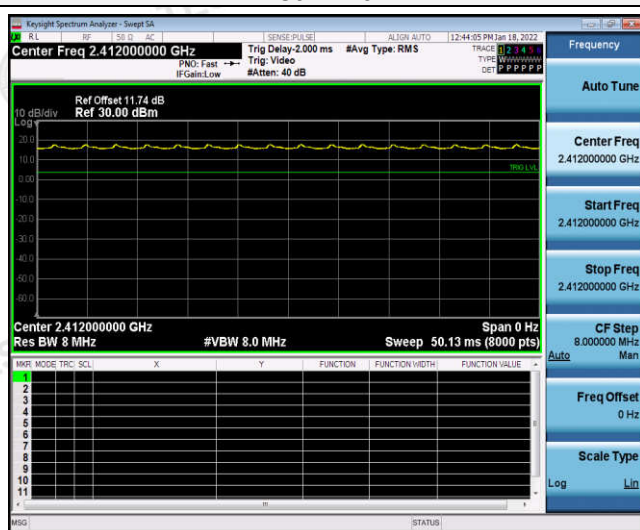
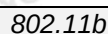
CH06



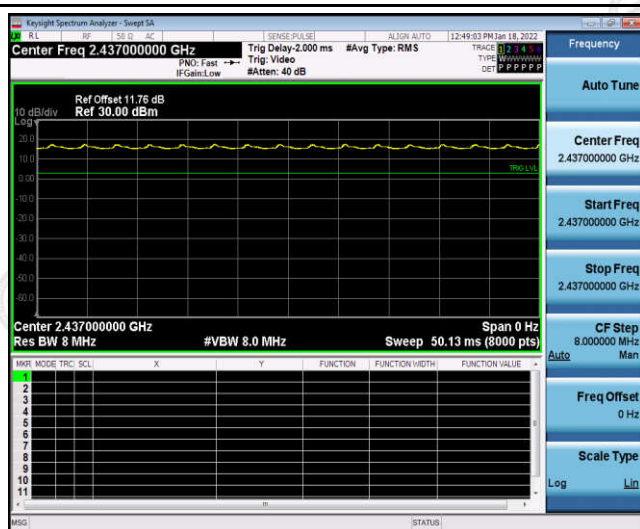
CH11

CH09

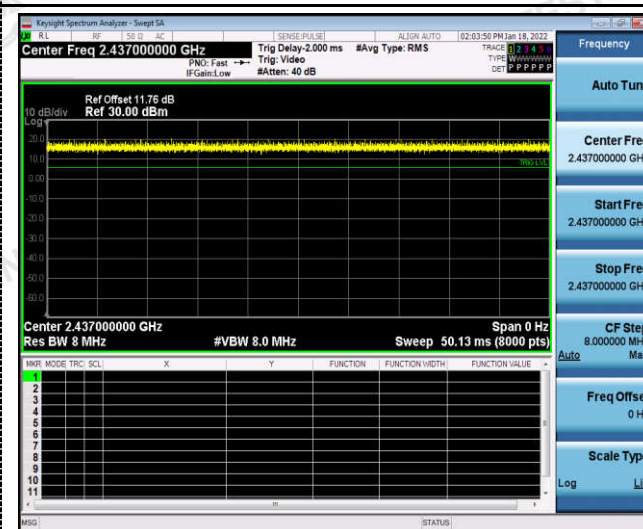
Ant2



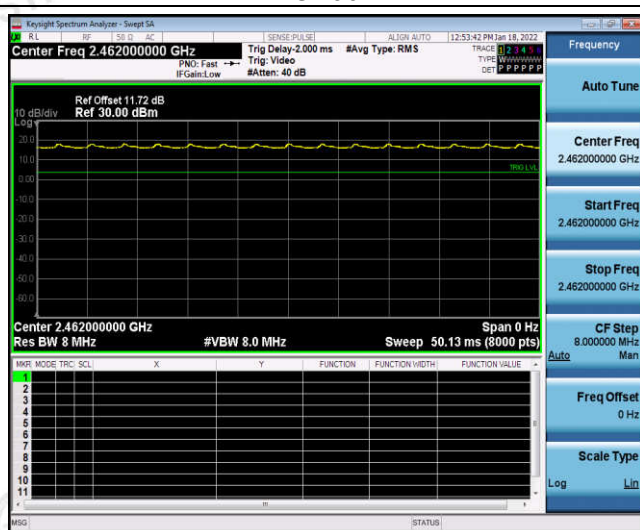
CH01



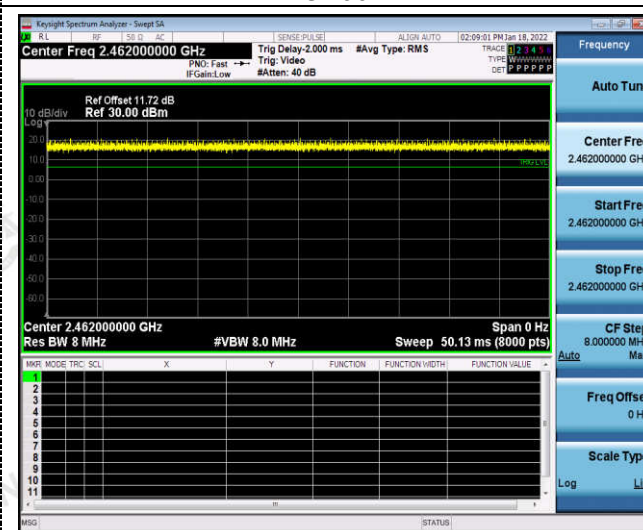
CH01



CH06



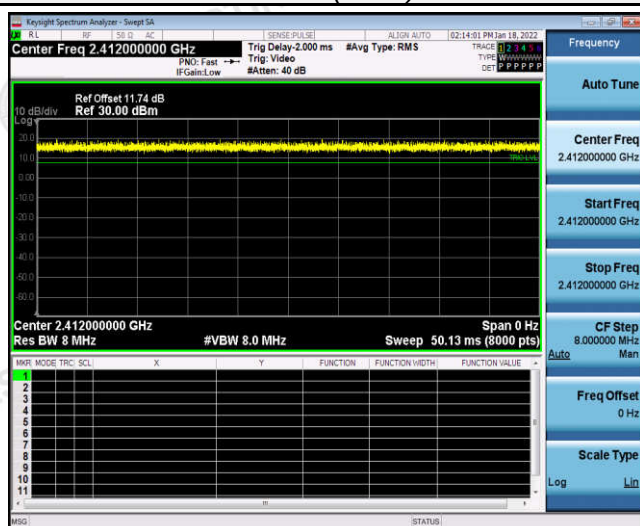
CH06



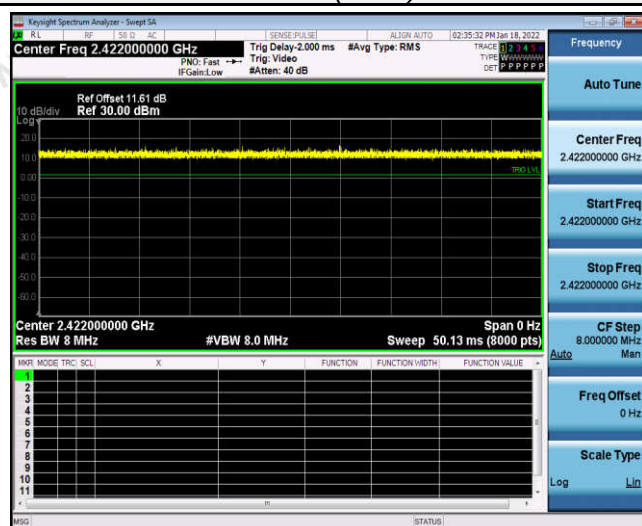
CH11

CH11

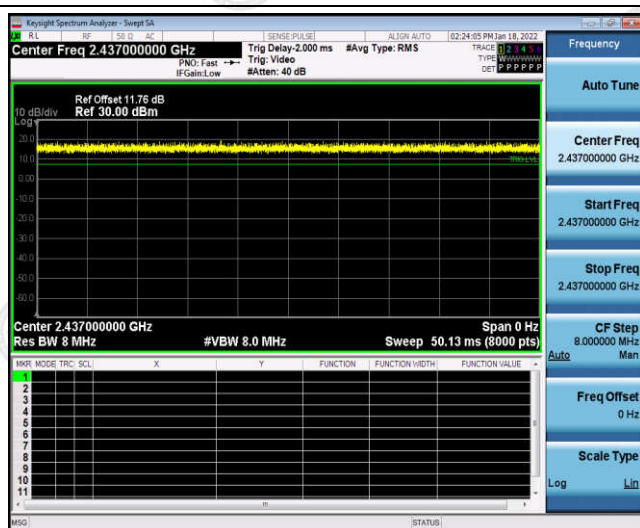
802.11n(HT20)



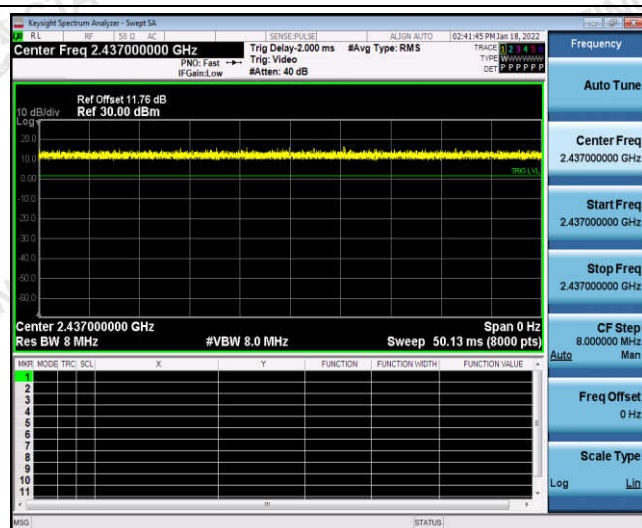
802.11n(HT40)



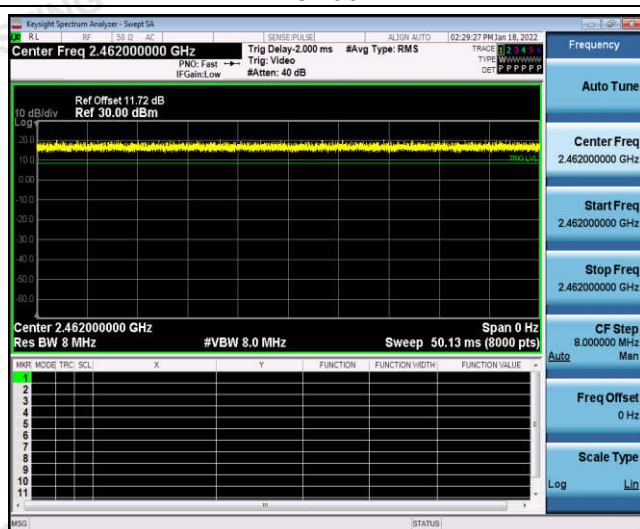
CH01



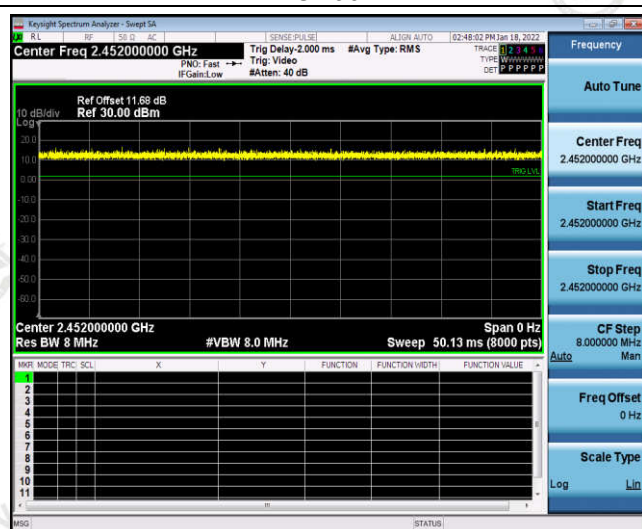
CH03



CH06



CH06



CH11

CH09

4.8 Antenna Requirement

Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited

FCC CFR Title 47 Part 15 Subpart C Section 15.247(c) (1) (I):

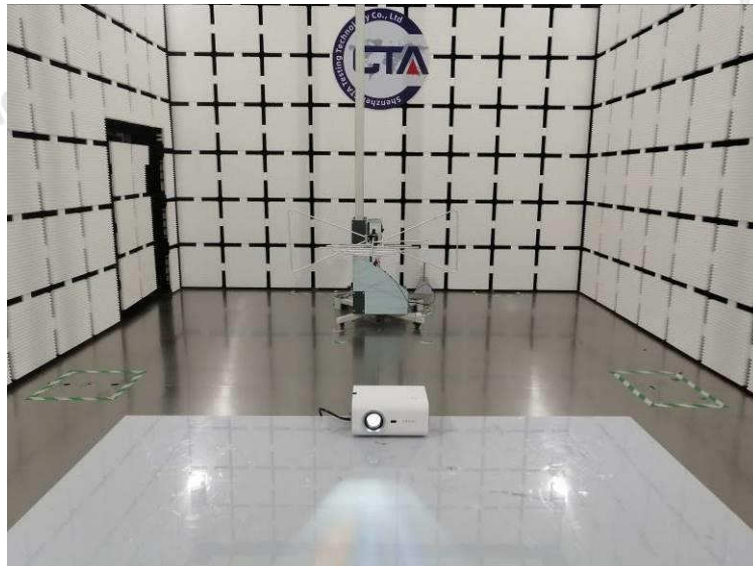
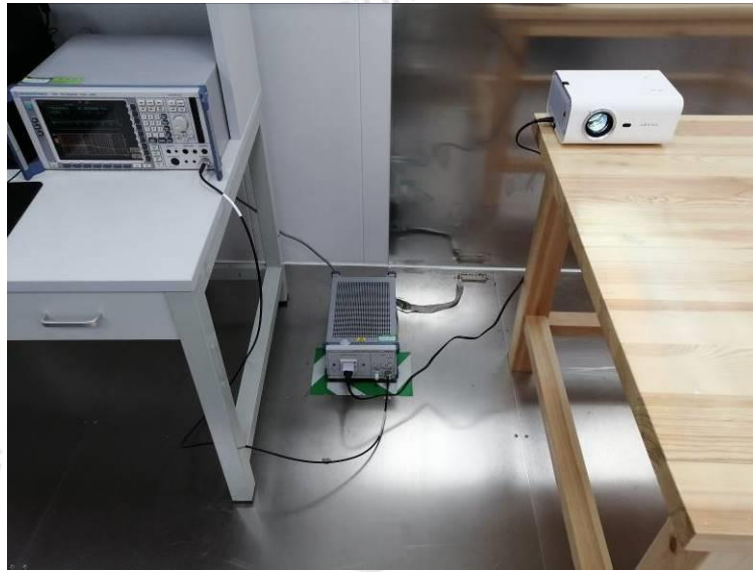
(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

Test Result:

The maximum gain of antenna was 0.0 dBi.

Remark: The antenna gain is provided by the customer, if the data provided by the customer is not accurate, Shenzhen CTA Testing Technology Co., Ltd. does not assume any responsibility.

5 Test Setup Photos of the EUT



Shenzhen CTA Testing Technology Co., Ltd.

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6 Photos of the EUT

Reference to the test report No. CTA22011400701

***** End of Report *****