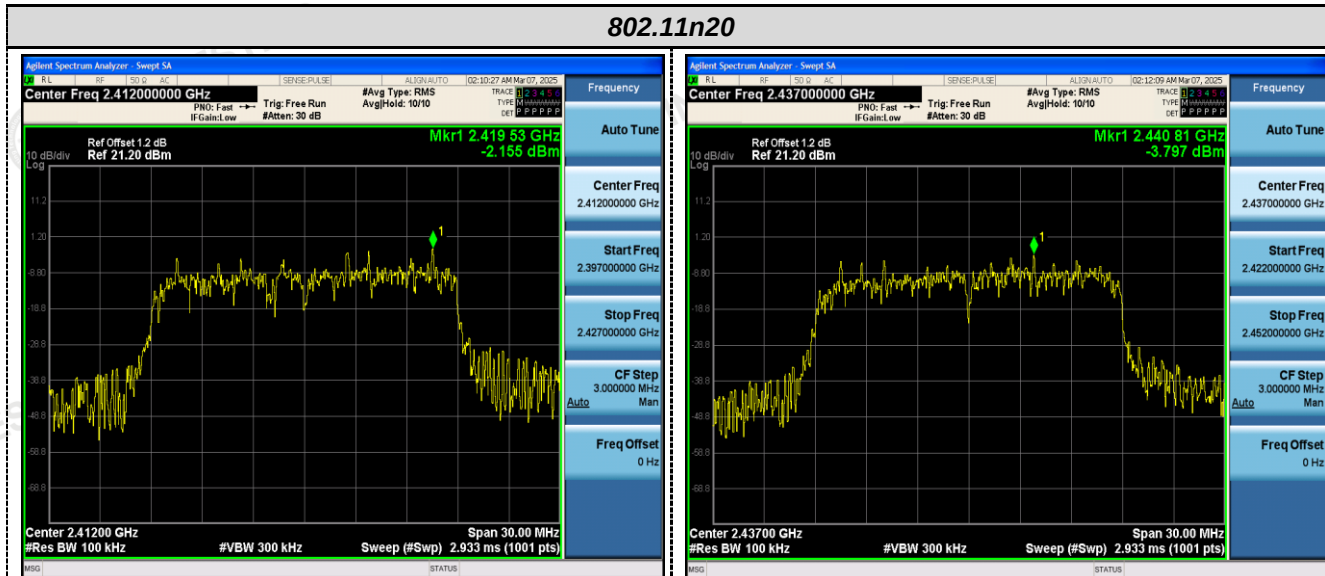
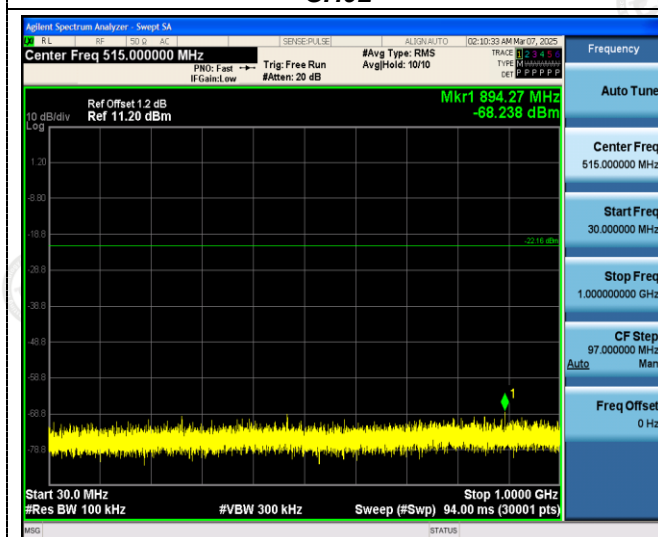
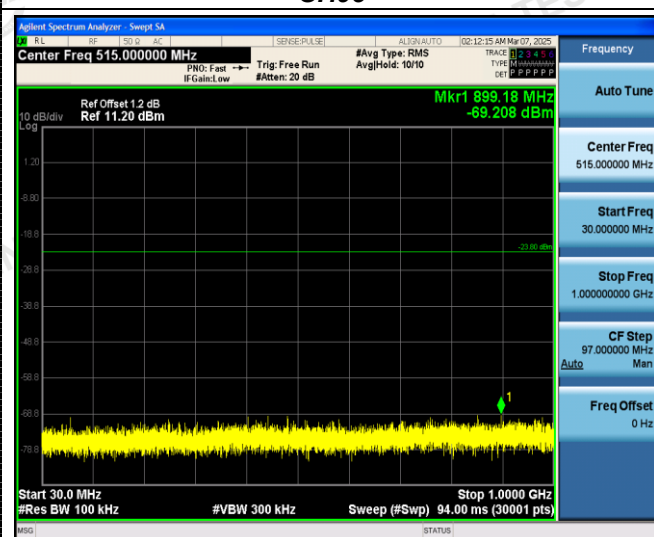


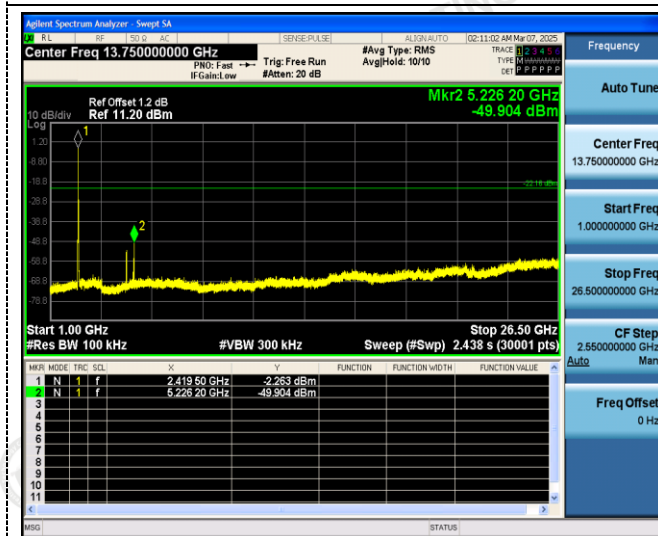
802.11n20

Reference
CH01Reference
CH06

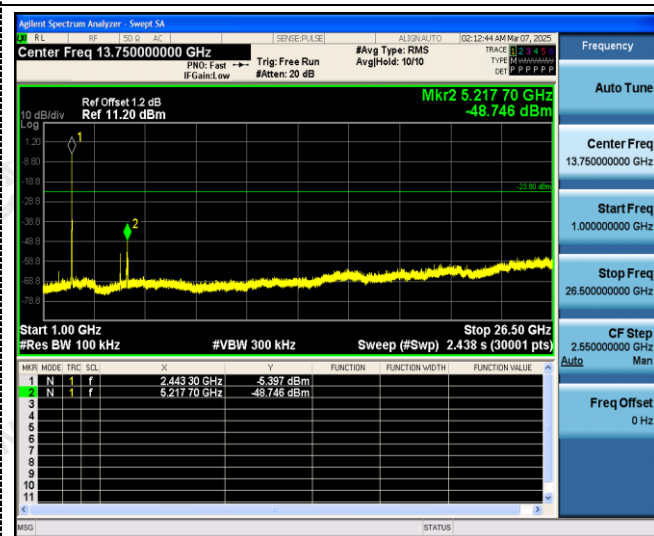
30MHz-1GHz



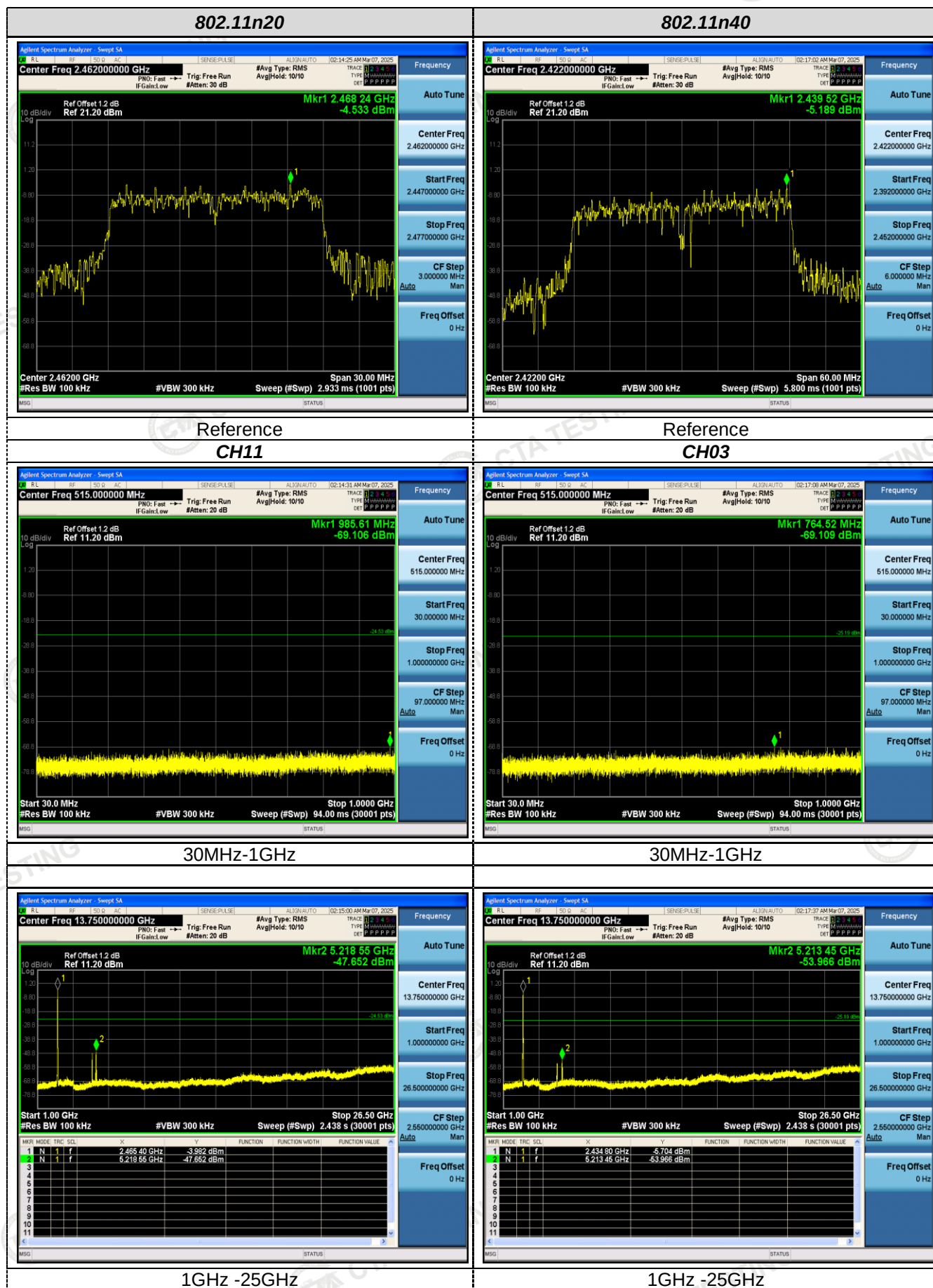
30MHz-1GHz



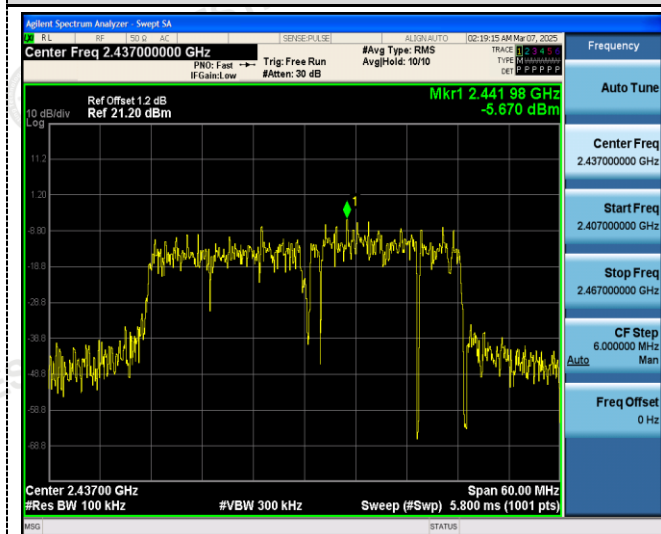
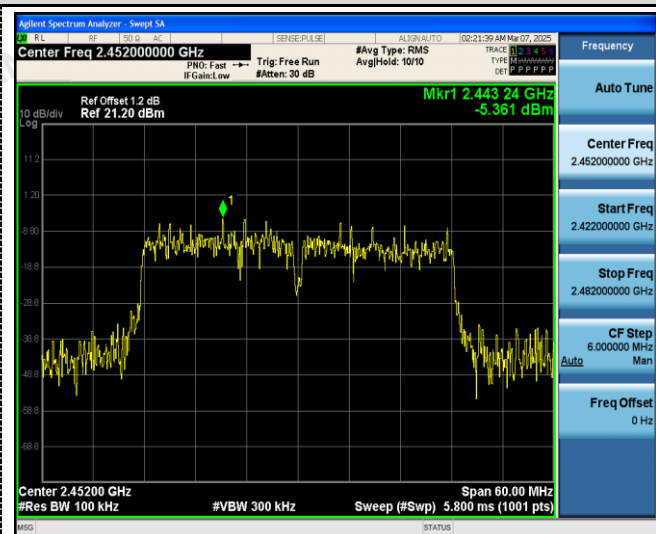
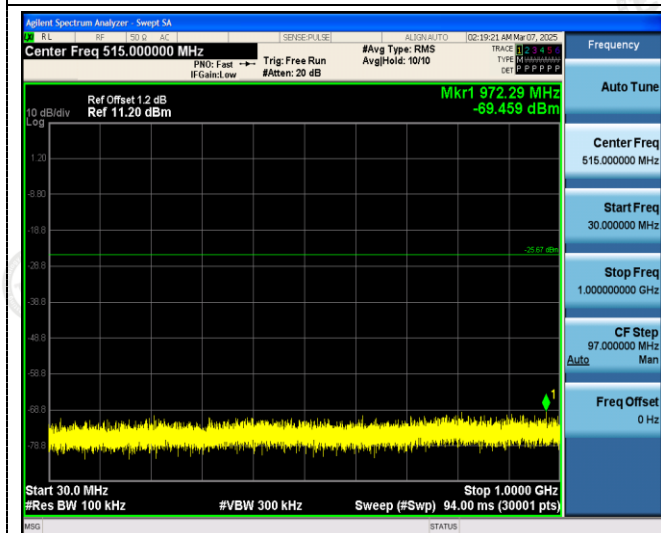
1GHz -25GHz



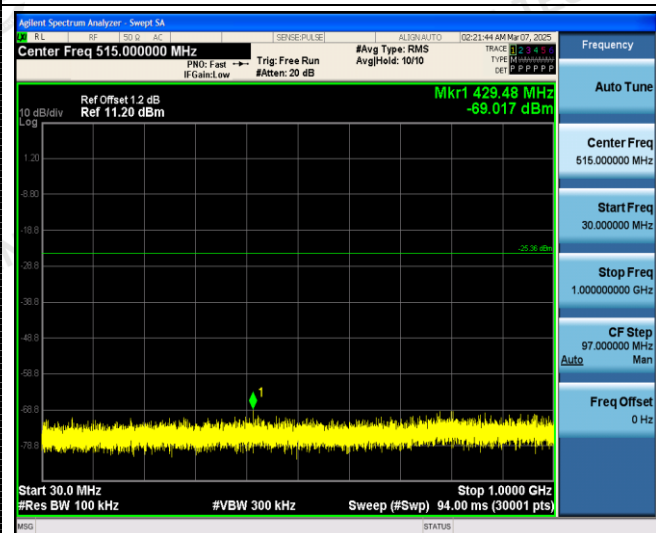
1GHz -25GHz



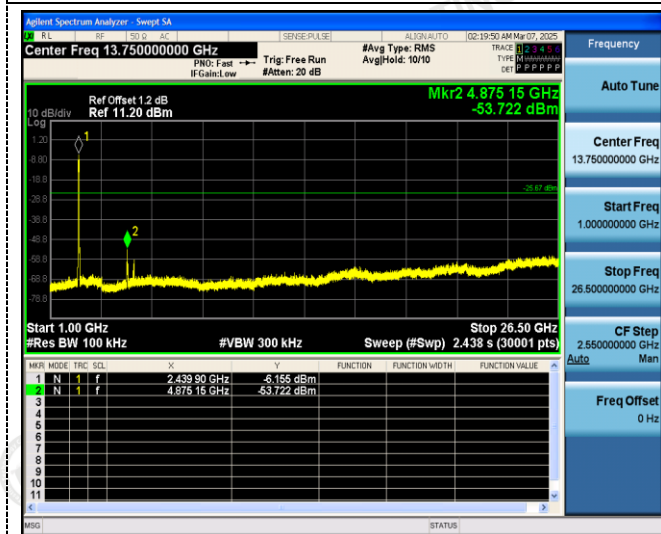
802.11n40

Reference
CH06Reference
CH09

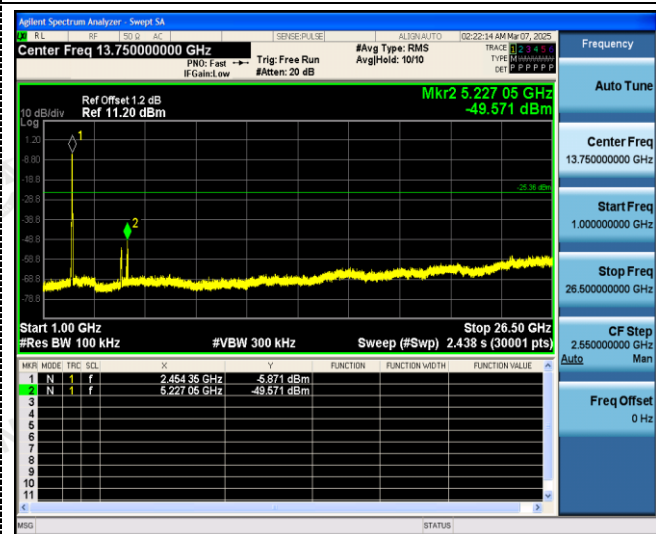
30MHz-1GHz



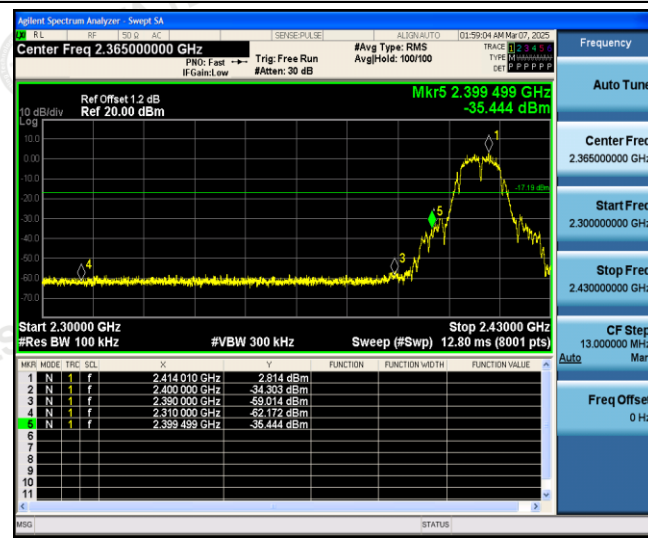
30MHz-1GHz



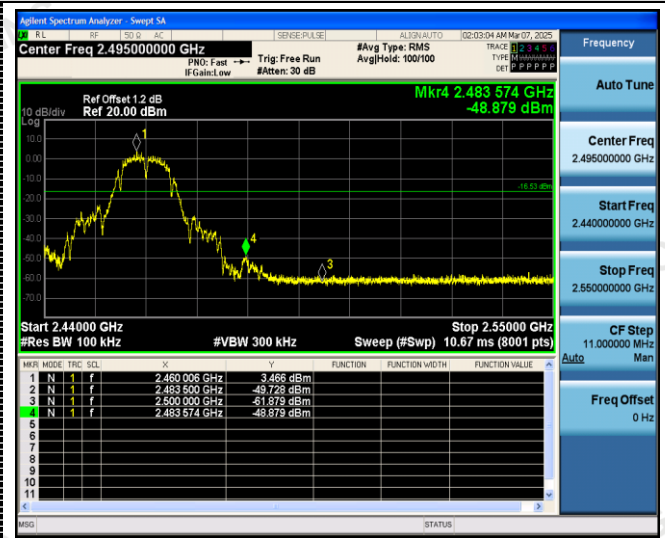
1GHz -25GHz



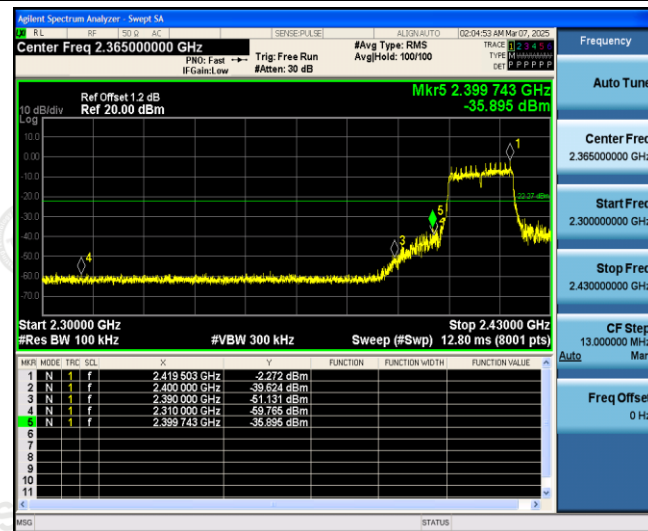
1GHz -25GHz

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

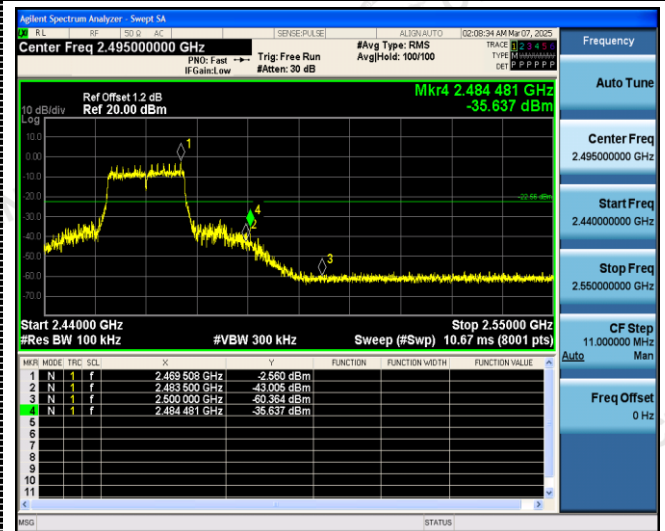
Left bandedge



Right bandedge

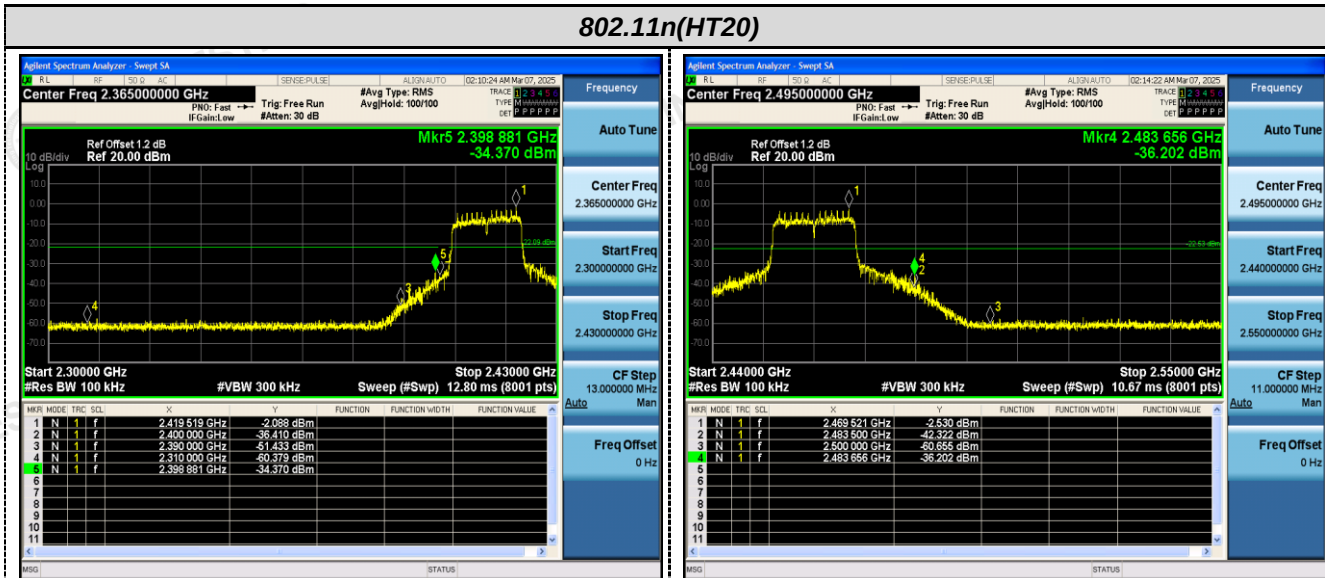
802.11g

Left bandedge

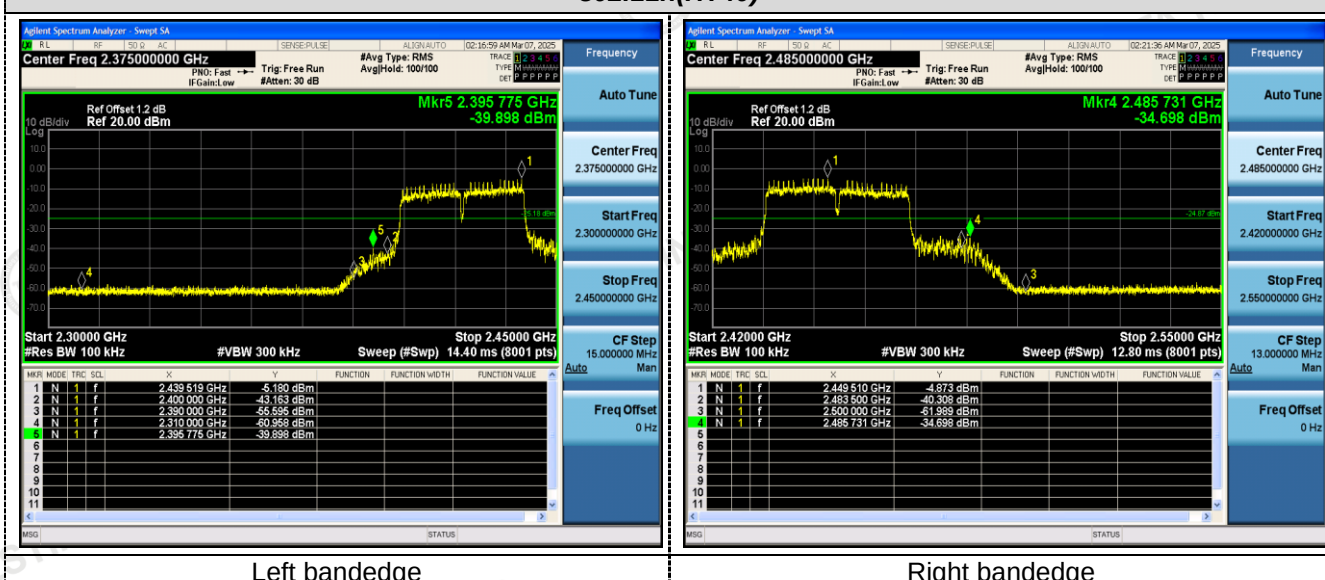


Right bandedge

802.11n(HT20)



802.11n(HT40)



4.7 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 0.82 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.

4.8 On Time and Duty Cycle

Standard Applicable

None; for reporting purpose only.

TEST CONFIGURATION



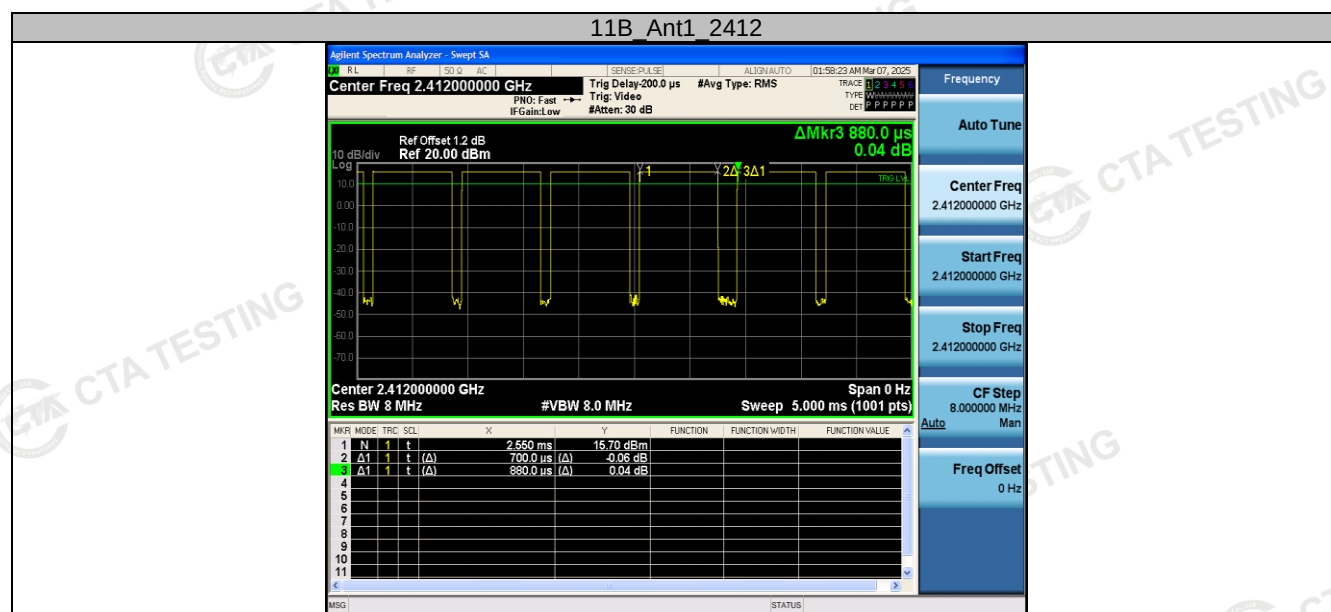
Test Procedures

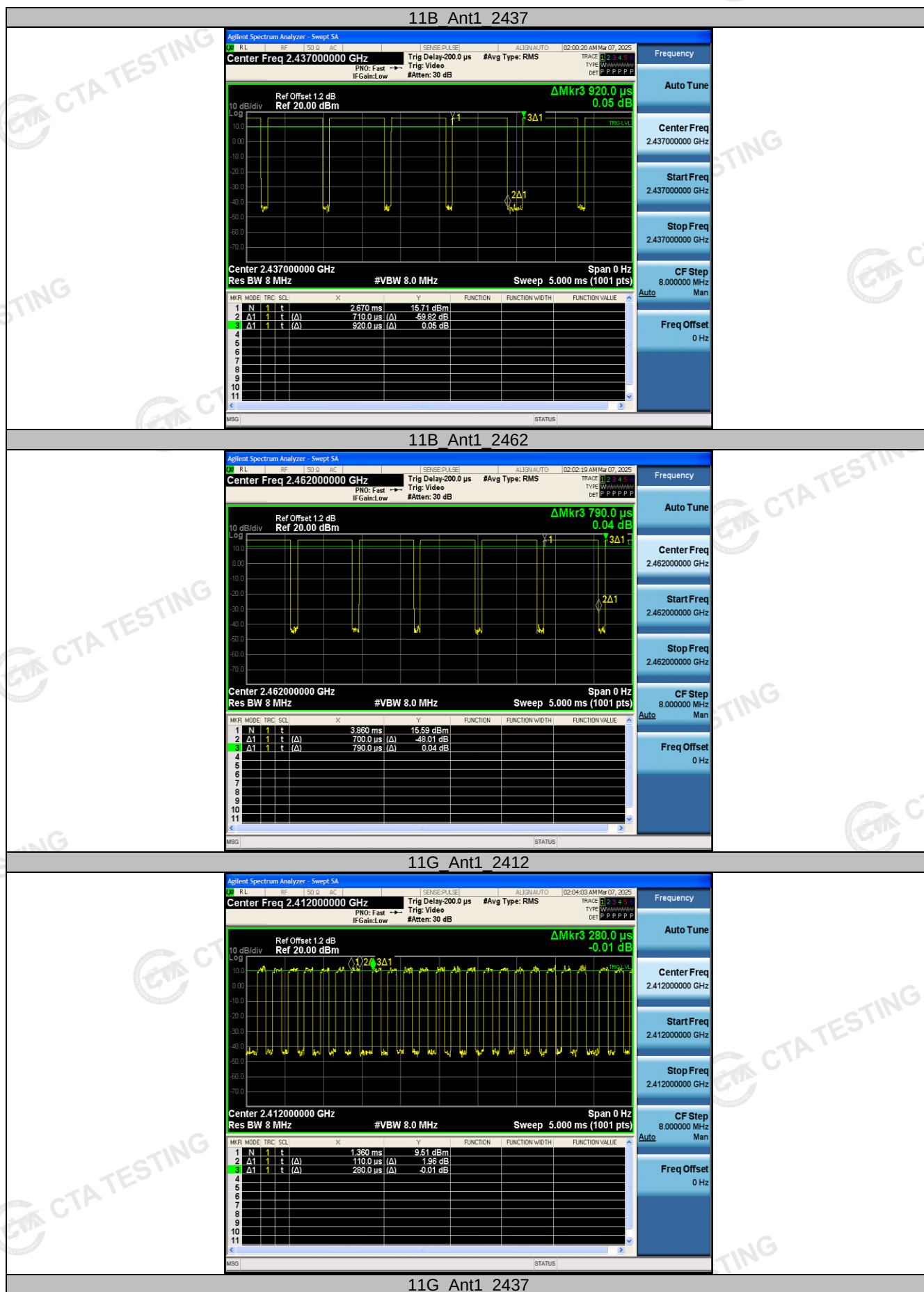
- 1). Set the Centre frequency of the spectrum analyzer to the transmitting frequency;
- 2). Set the span=0MHz, RBW=10MHz, VBW=10MHz, Sweep time=20ms;
- 3). Detector = peak;
- 4). Trace mode = Single hold.

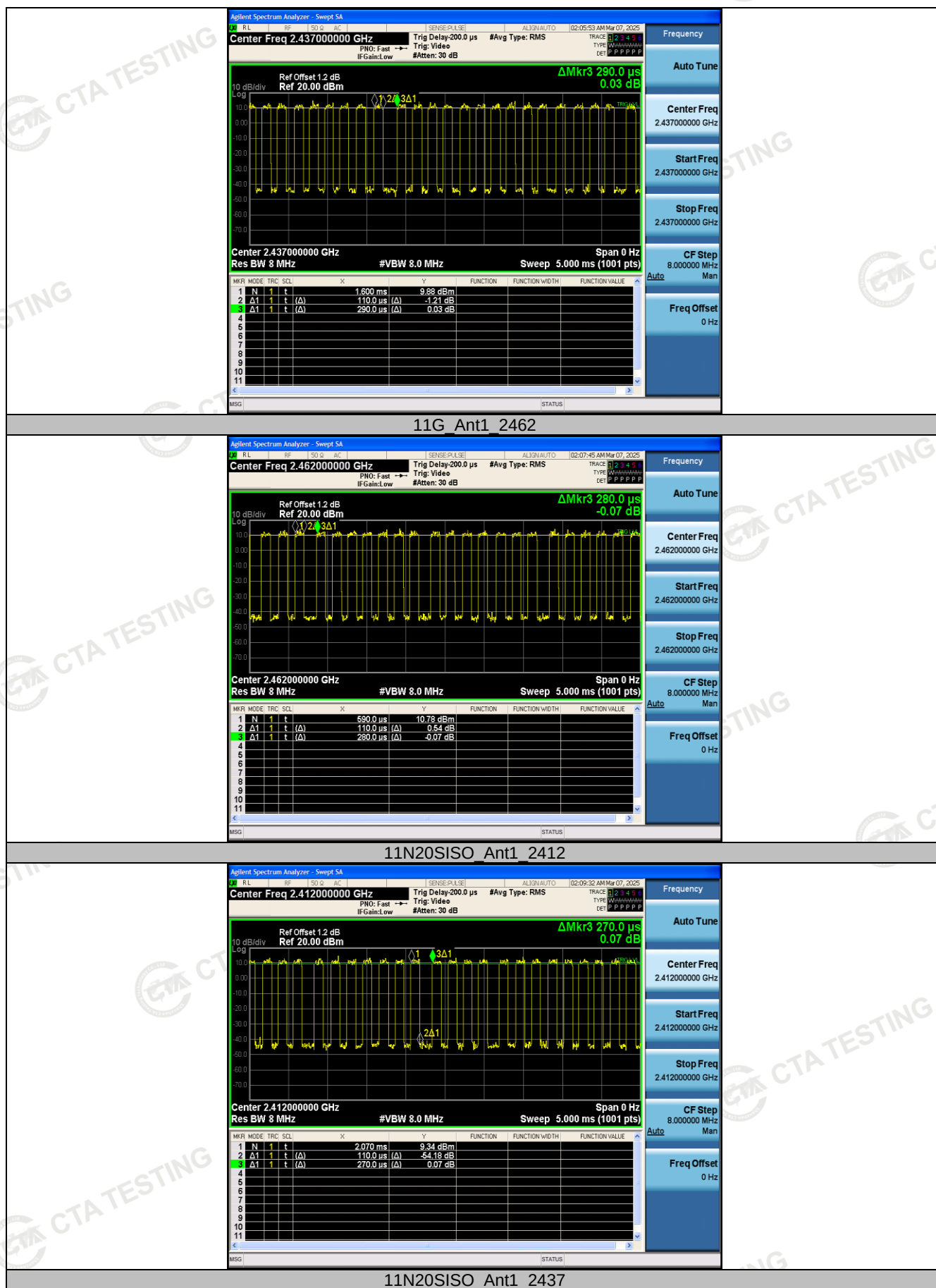
TEST RESULTS

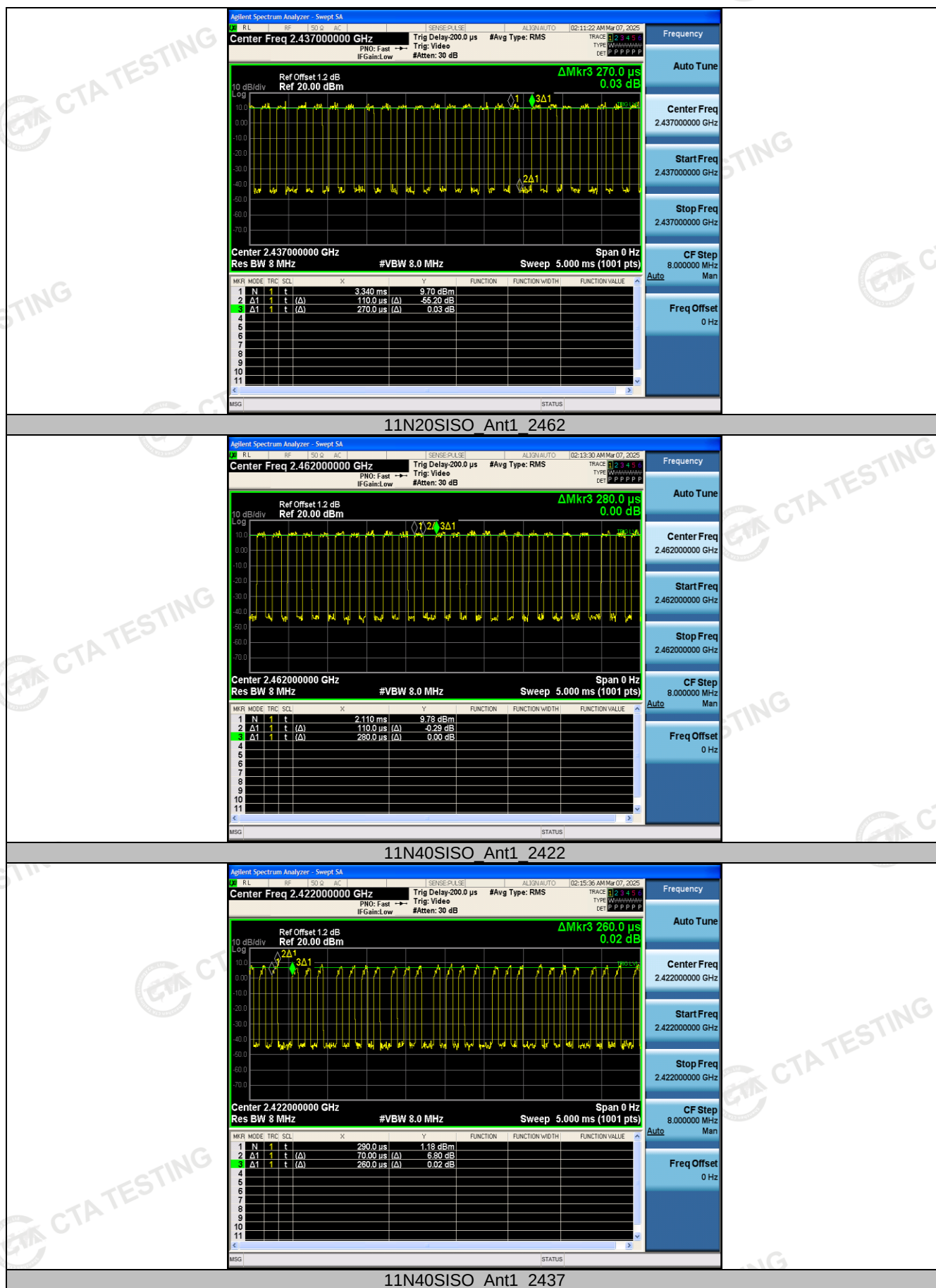
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant1	2412	0.70	0.88	79.55
		2437	0.71	0.92	77.17
		2462	0.70	0.79	88.61
11G	Ant1	2412	0.11	0.28	39.29
		2437	0.11	0.29	37.93
		2462	0.11	0.28	39.29
11N20SISO	Ant1	2412	0.11	0.27	40.74
		2437	0.11	0.27	40.74
		2462	0.11	0.28	39.29
11N40SISO	Ant1	2422	0.07	0.26	26.92
		2437	0.07	0.29	24.14
		2452	0.08	0.27	29.63

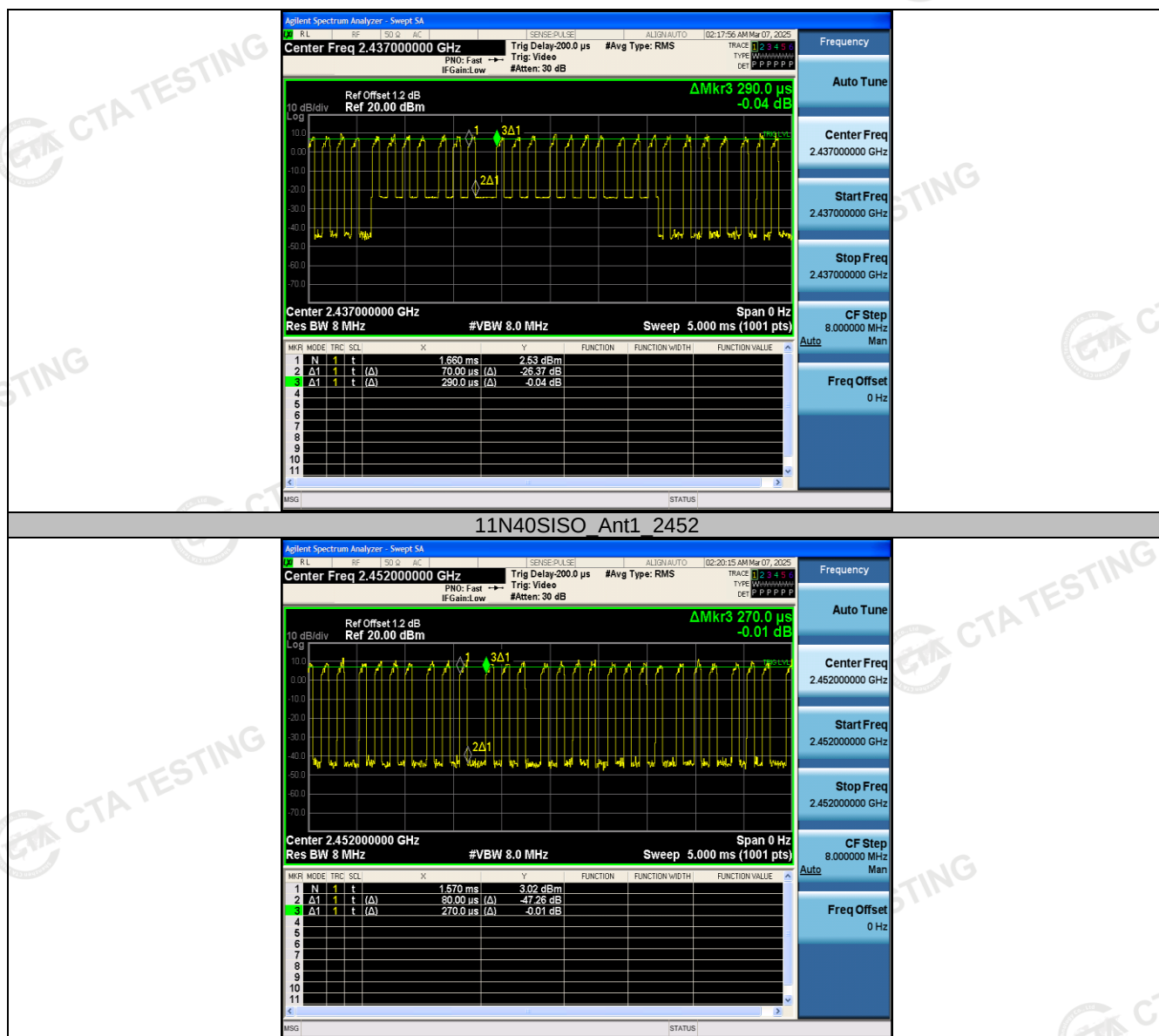
Duty Cycle= Transmission Duration/ Transmission Period



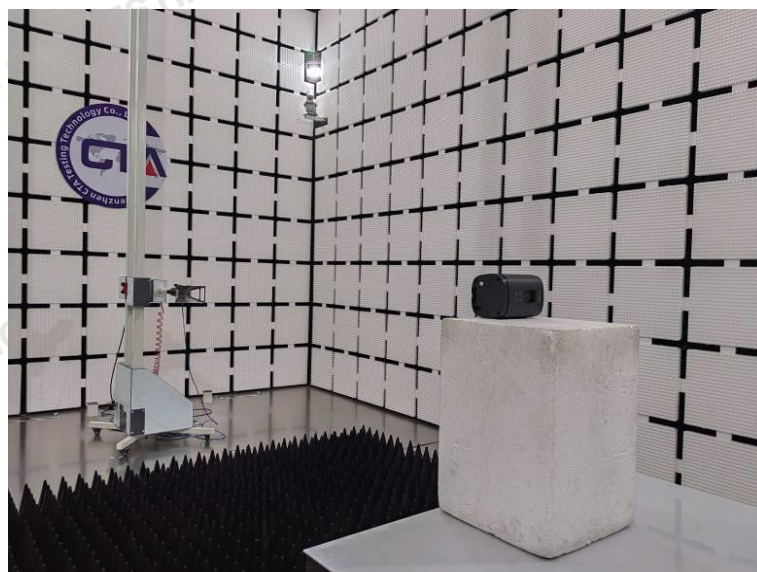








5 Test Setup Photos of the EUT



6 Photos of the EUT

Reference to the test report No. CTA25022402401.

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