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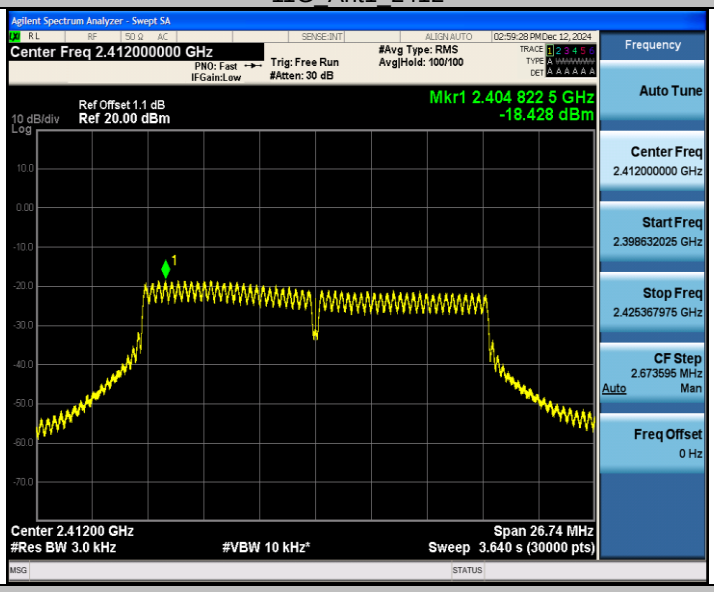

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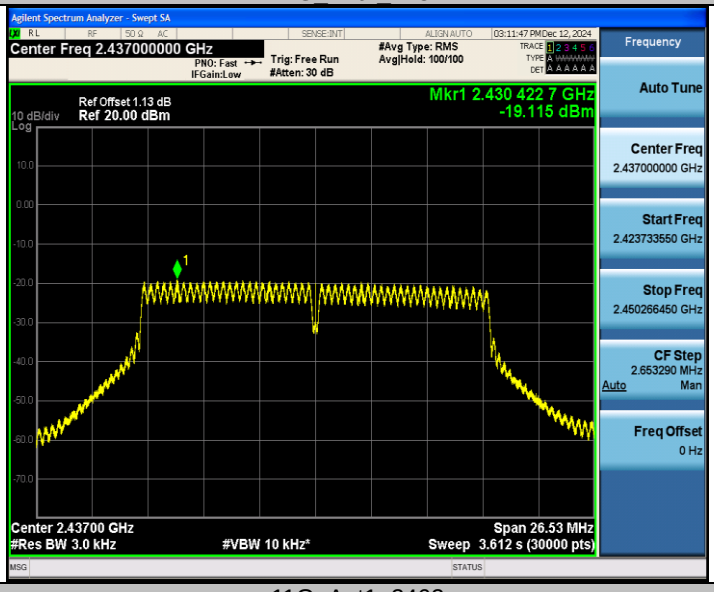

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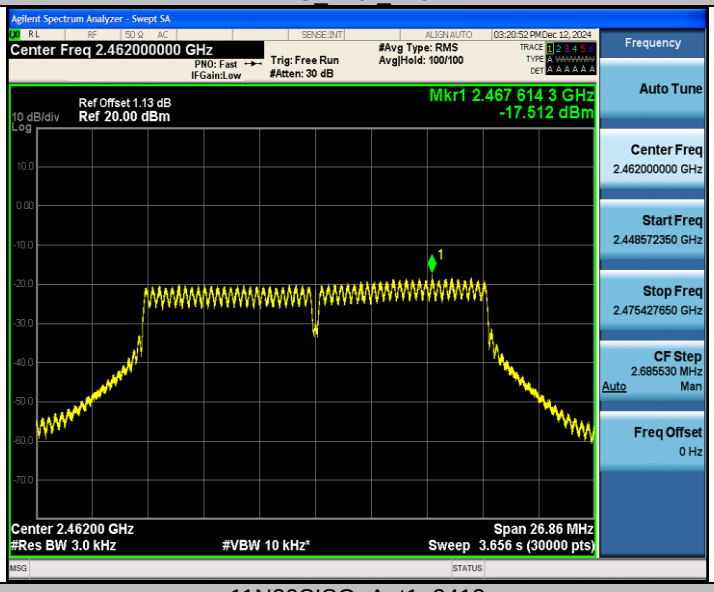

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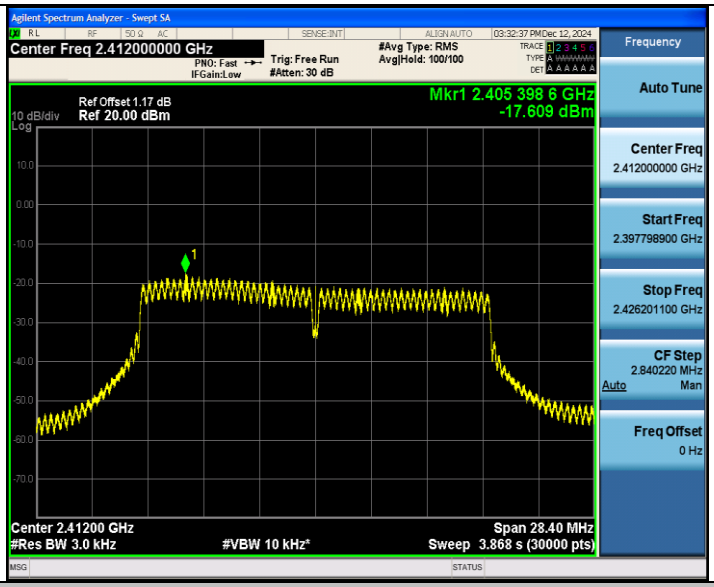

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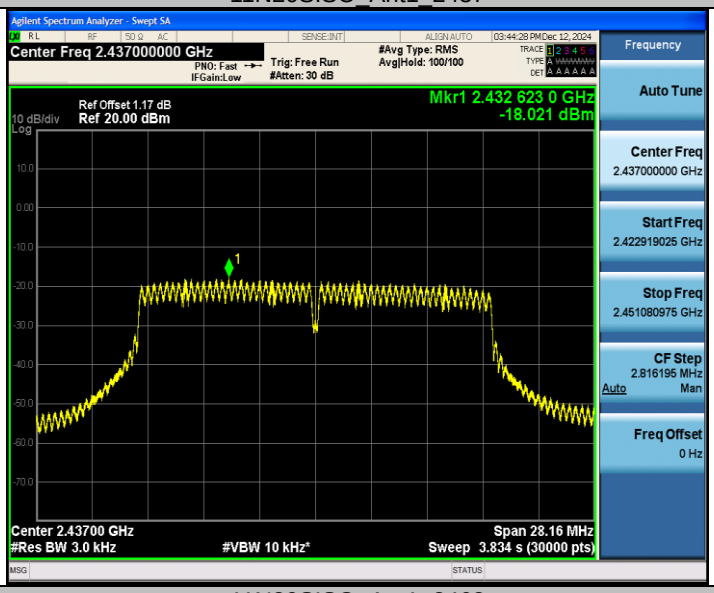

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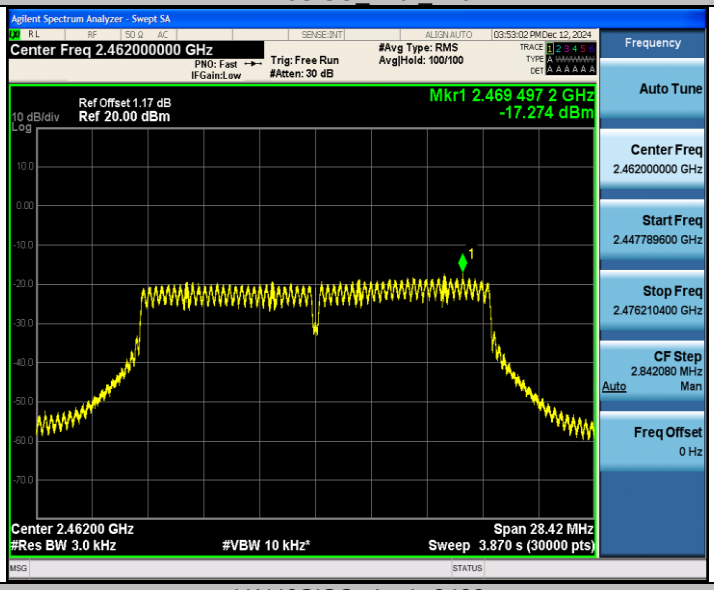

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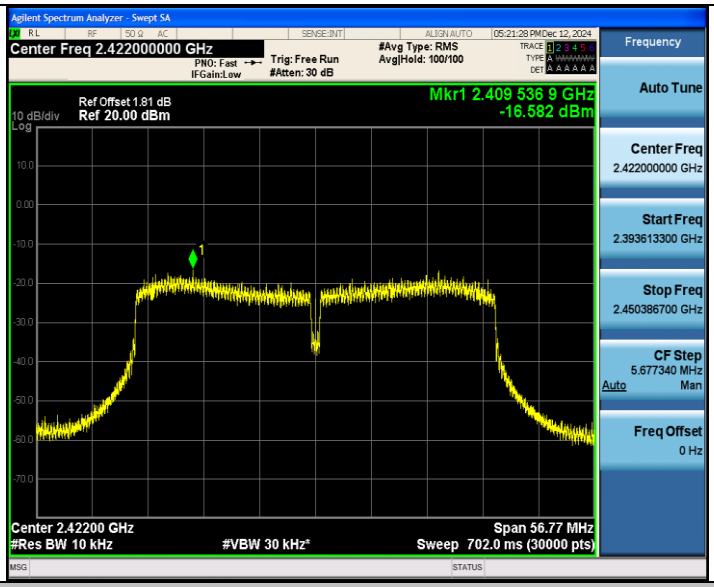

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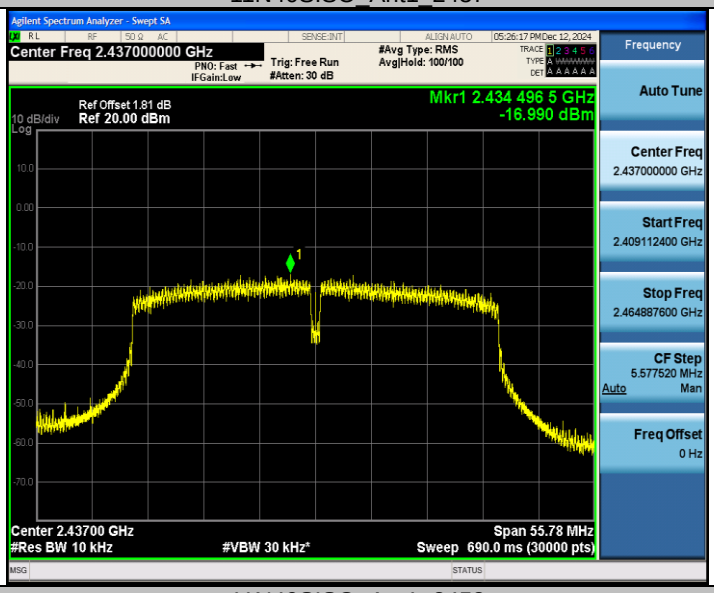

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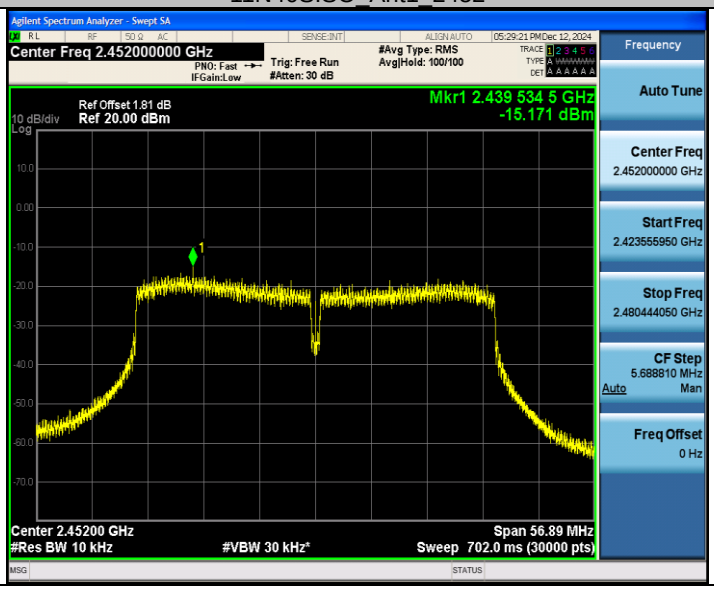
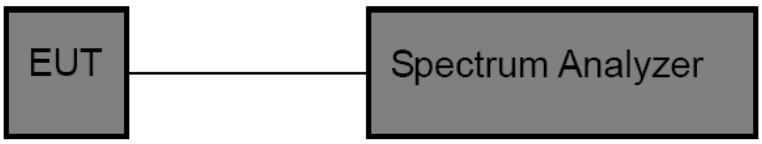


3.8. Duty Cycle

Limit

None, for report purposes only.

Test Configuration



Test Procedure

1. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
2. The EUT was directly connected to the Spectrum Analyzer and antenna output port as show in the block diagram above. The measurement according to section 10.2 of KDB 558074 D01 DTS Meas Guidance v05r02.
3. Spectrum Setting:

Set analyzer center frequency to test channel center frequency.
Set the span to 0Hz.
Set the RBW to 10MHz.
Set the VBW to 10MHz.
Detector: Peak.
Sweep time: Auto.
Allow trace to fully stabilize. Then use the peak marker function to determine the maximum amplitude level.

Test Mode

Please refer to the clause 2.4.

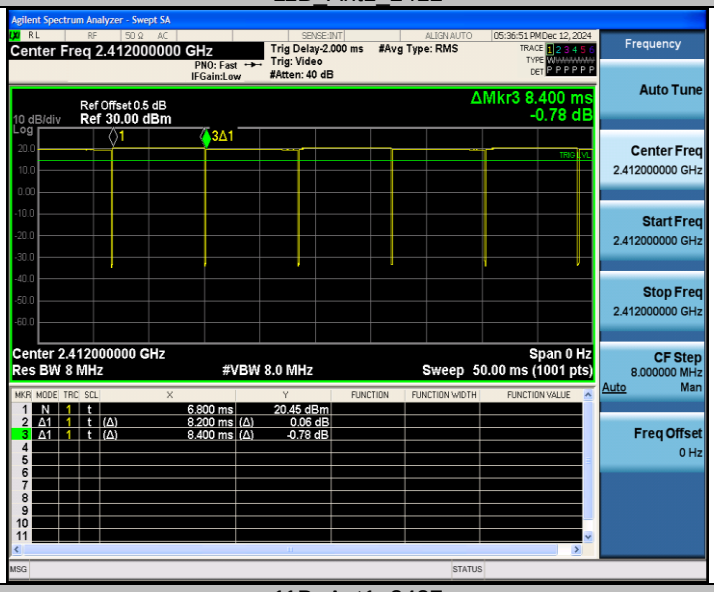
Test Result

Test Mode	Frequency (MHz)	Transmission Duration (ms)	Transmission Period (ms)	Duty Cycle (%)	1/T Minimum VBW (kHz)	Final Setting for VBW (kHz)
802.11b	2412	8.20	8.40	97.62	0.12	1
	2437	8.15	8.35	97.60	0.12	1
	2462	8.15	8.35	97.60	0.12	1
802.11g	2412	1.35	1.56	86.54	0.74	1
	2437	1.35	1.56	86.54	0.74	1
	2462	1.35	1.56	86.54	0.74	1
802.11n(HT20)	2412	1.26	1.47	85.71	0.79	1
	2437	1.26	1.47	85.71	0.79	1
	2462	1.26	1.47	85.71	0.79	1
802.11n(HT40)	2422	0.57	0.77	74.03	1.75	2
	2437	0.57	0.77	74.03	1.75	2
	2452	0.57	0.77	74.03	1.75	2

For anti-fake verification, please visit the official website of China Inspection And Testing Society : yz.cnca.cn

Test plot as follows:

11B_Ant1_2412



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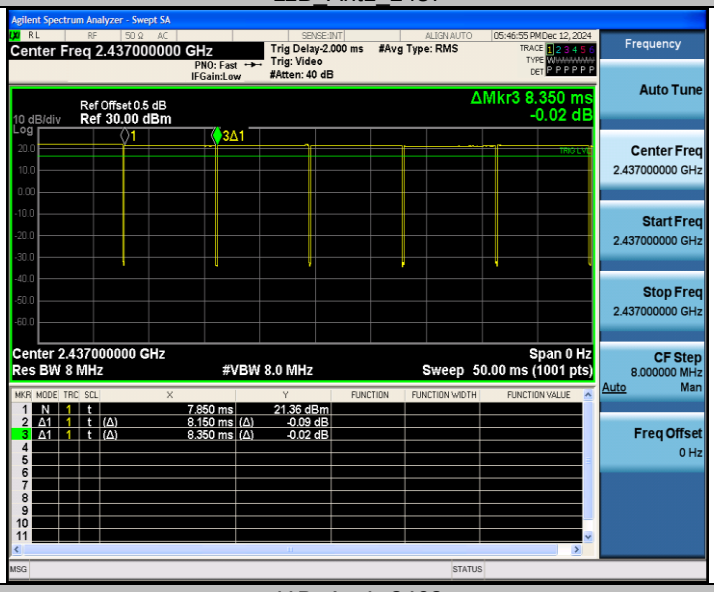
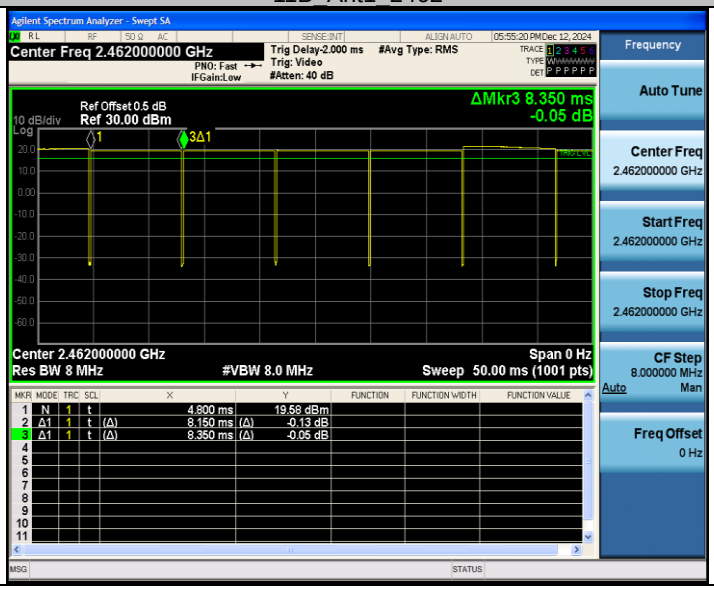
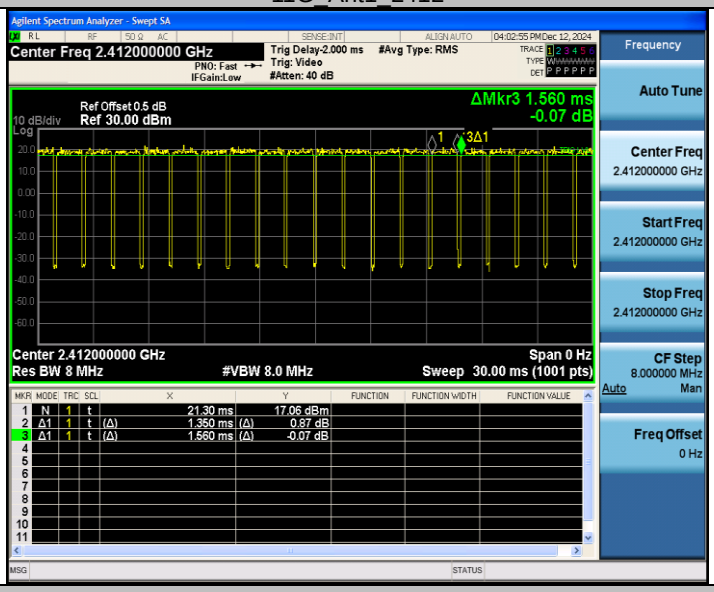


11B_Ant1_2462



For anti-fake verification, please visit the official website of China Inspection And Testing Society : yz.cnca.cn

11G_Ant1_2412



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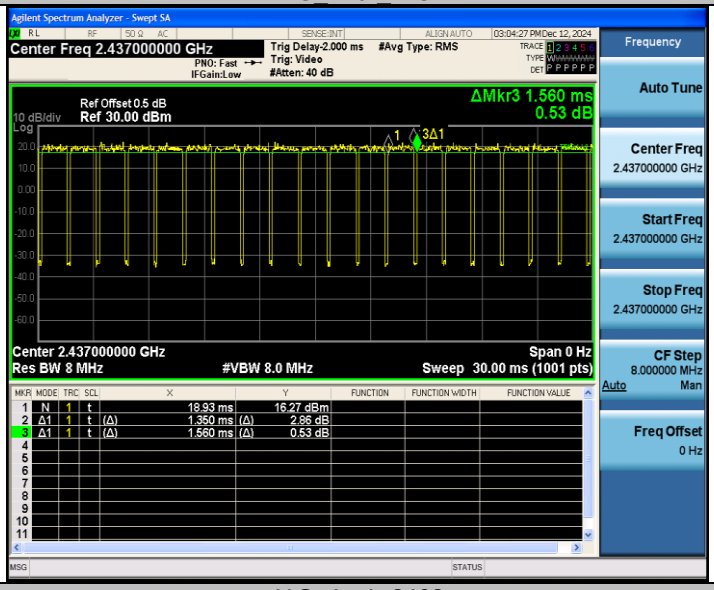

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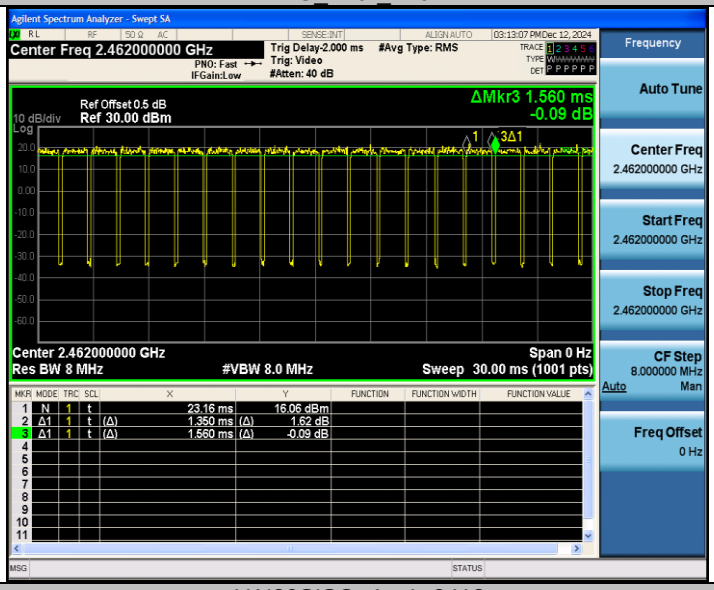
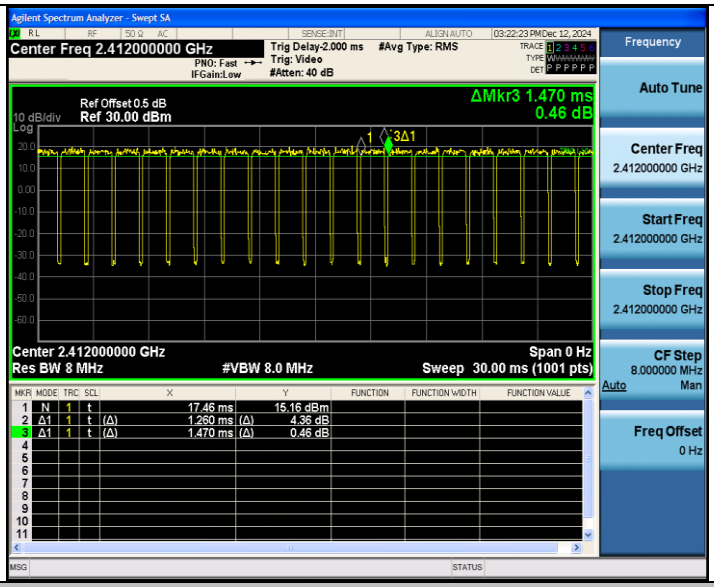


11N20SISO_Ant1_2412

For anti-fake verification, please visit the official website of China Inspection And Testing Society : yz.cnca.cn



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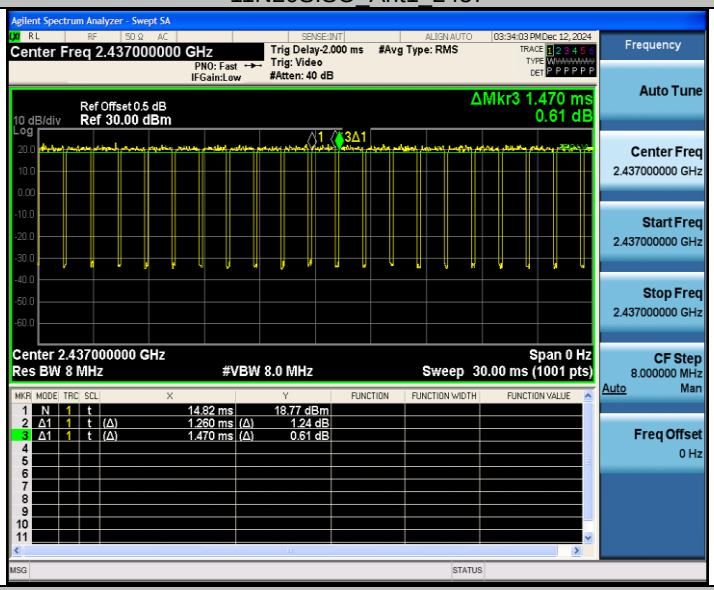

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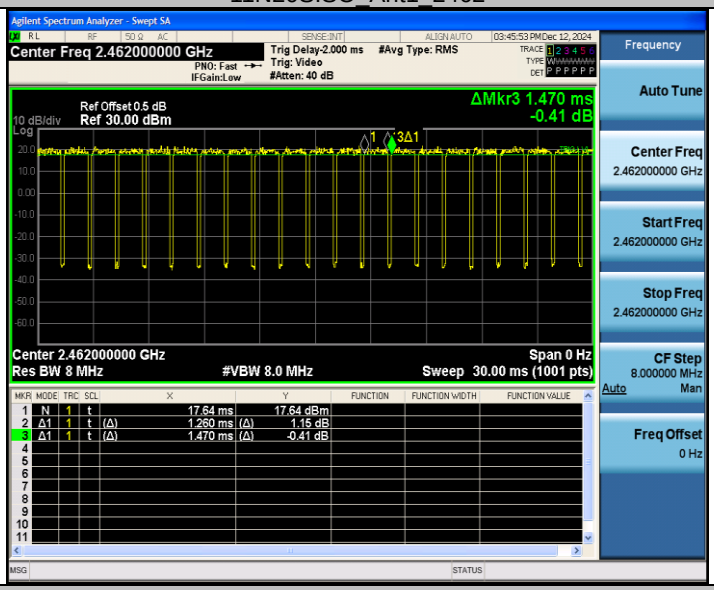

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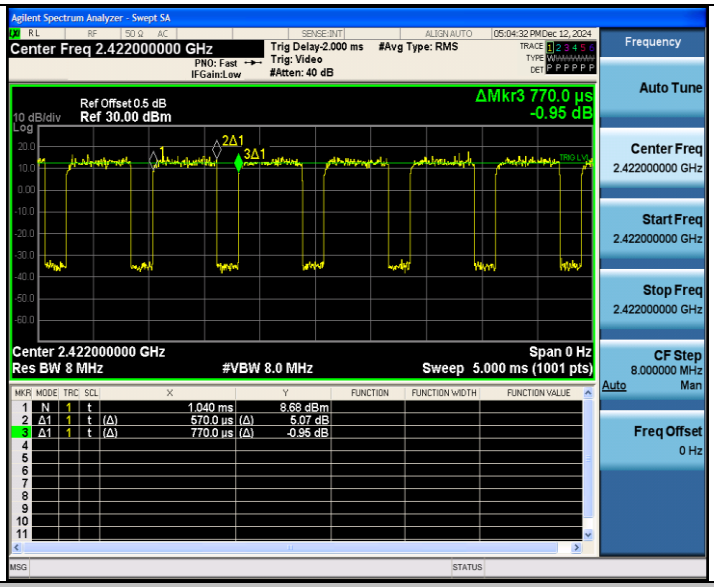

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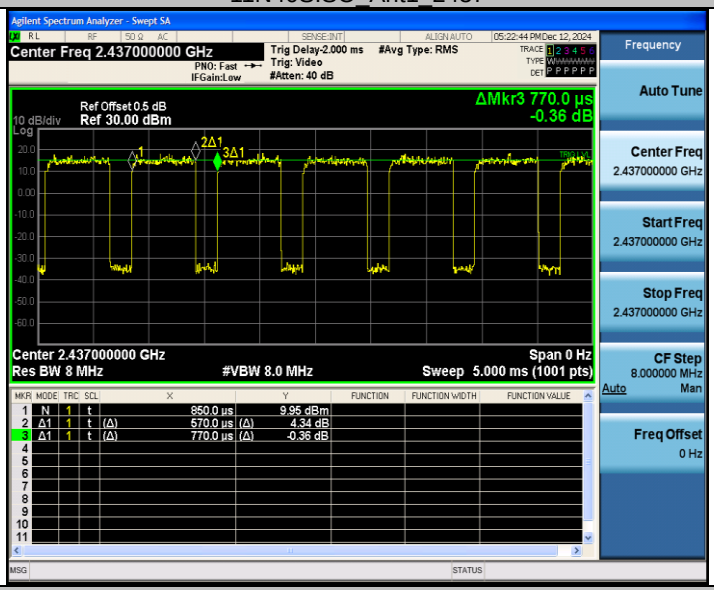
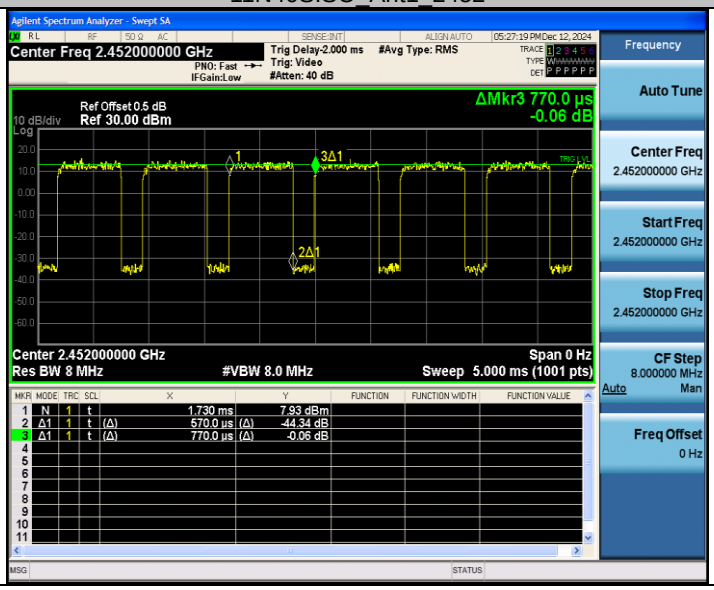


11N40SISO_Ant1_2452



3.9. Antenna Requirement

Requirement

FCC CFR Title 47 Part 15 Subpart C 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 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 directional gain of the antenna is less than 6dBi, please refer to the EUT internal photographs antenna photo.

RSS-Gen Issue 5 Section 6.8
The applicant for equipment certification, as per RSP-100, must provide a list of all antenna types that may be used with the licence-exempt transmitter, indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. Licence-exempt transmitters that have received equipment certification may operate with different types of antennas. However, it is not permissible to exceed the maximum equivalent isotropically radiated power(e.i.r.p.) limits specified in the applicable standard (RSS) for licence-exempt apparatus.

Result

PASS.
The EUT has 1 antenna: a FPC Antenna for WIFI.
Note: ☒Antenna use a permanently attached antenna which is not replaceable.
☐Not using a standard antenna jack or electrical connector for antenna replacement.
☐The antenna has to be professionally installed (please provide method of installation).
Which in accordance to RSS-Gen 6.8, please refer to the internal photos.

**************************THE END OF REPORT*************************