中认信通
CHINA CERTIFICATION ICT CO., LTD (DONGGUAN)

ACCREDITED
TESTING LABORATORY
CERTIFICATE # 6356.01

TEST REPORT

Applicant: **TECNO MOBILE LIMITED**

Address: FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG

FCC ID: **2ADYY-CL8**

Product Name: **Mobile Phone**

Standard(s): **47 CFR Part 15, Subpart C(15.247)**
ANSI C63.10-2013
KDB 558074 D01 15.247 Meas Guidance v05r02

The above device has been tested and found compliant with the requirement of the relative standards by China Certification ICT Co., Ltd (Dongguan)

Report Number: **CR231273520-00C**

Date Of Issue: **2024/3/9**

Reviewed By: **Calvin Chen**

Title: RF Engineer

Approved By: **Sun Zhong**

Title: Manager

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Test Facility

The Test site used by China Certification ICT Co., Ltd (Dongguan) to collect test data is located on the No. 113, Pingkang Road, Dalang Town, Dongguan, Guangdong, China.

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 442868, the FCC Designation No. : CN1314.

Declarations

China Certification ICT Co., Ltd (Dongguan) is not responsible for the authenticity of any test data provided by the applicant. Data included from the applicant that may affect test results are marked with a triangle symbol "▲". Customer model name, addresses, names, trademarks etc. are not considered data.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

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CONTENTS

DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	CR231273520-00C	Original Report	2024/3/9

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

EUT Name:	Mobile Phone
Trade Name:	TECNO
EUT Model:	CL8
Operation Frequency:	2412-2462 MHz(802.11b/g/n ht20/ax hew20) 2422-2452 MHz(802.11n ht40/ax hew40)
Maximum Peak Output Power (Conducted):	14.96dBm
Modulation Type:	802.11b:DSSS-DBPSK, DQPSK, CCK 802.11g/n:OFDM-BPSK, QPSK, 16QAM, 64QAM 802.11ax:OFDMA-BPSK, QPSK, 16QAM, 64QAM
Rated Input Voltage:	DC5V or 5-10V or 11V or 4-20V from adapter or DC3.91V from battery
Serial Number:	CE&RE: 2EXR-4 RF: 2EXR-1
EUT Received Date:	2023/12/8
EUT Received Status:	Good

Operation Frequency Detail:

For 802.11b/g/n ht20/ax hew20:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2412	7	2442
2	2417	8	2447
3	2422	9	2452
4	2427	10	2457
5	2432	11	2462
6	2437	/	/

Per section 15.31(m), the below frequencies were performed the test as below:

Test Channel	Frequency (MHz)
Lowest	2412
Middle	2437
Highest	2462

For 802.11n ht40/ax hew40:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
3	2422	7	2442
4	2427	8	2447
5	2432	9	2452
6	2437	/	/

Per section 15.31(m), the below frequencies were performed the test as below:

Test Channel	Frequency (MHz)
Lowest	2422
Middle	2437
Highest	2452

Antenna Information Detail▲:

Antenna	Antenna Type	input impedance (Ohm)	Frequency Range	Antenna Gain (dBi)
Chain 0	Integral	50	2.4~2.5GHz	-4.3
Chain 1	Integral	50	2.4~2.5GHz	-2.55

The Method of §15.203 Compliance:

☒Antenna was permanently attached to the unit.

☐Antenna use a unique type of connector to attach to the EUT.

☐Unit was professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.

Accessory Information:

Accessory Description	Manufacturer	Model	Parameters
Adapter	TECNO	U700TSA	Input:100-240V~50/60Hz 2.0A Output:5.0V, 3.0A 15.0W or 5.0-10.0V, 7.0A MAX or 11.0V, 6.4A MAX or 4.0-20.0V, 3.5A 70.0W MAX

1.2 Description of Test Configuration

1.2.1 EUT Operation Condition:

For 802.11b/g/n/ax:

EUT Operation Mode:	The system was configured for testing in Engineering Mode, which was provided by the manufacturer.
Equipment Modifications:	No
EUT Exercise Software:	Engineering mode

The software was provided by manufacturer. The maximum power was configured as below, that was provided by the manufacturer▲:

Test Modes	Test Frequency	Ru	Data rate	Power Level Setting	
				Chain 0	Chain 1
802.11b	2412	/	1Mbps	16	16
	2437	/	1Mbps	16	16
	2462	/	1Mbps	16	16
802.11g	2412	/	6Mbps	10	10
	2437	/	6Mbps	10	10
	2462	/	6Mbps	10	10
802.11n ht20	2412	/	MCS0	10	10
	2437	/	MCS0	10	10
	2462	/	MCS0	10	10
802.11n ht40	2422	/	MCS0	10	10
	2437	/	MCS0	10	10
	2452	/	MCS0	10	10
802.11ax hew20	2412	26Tone_RU0	MCS0	10	10
		52Tone_RU37	MCS0	10	10
		106Tone_RU53	MCS0	10	10
		242Tone_RU61	MCS0	10	10
	2437	26Tone_RU0	MCS0	10	10
		52Tone_RU37	MCS0	10	10
		106Tone_RU53	MCS0	10	10
		242Tone_RU61	MCS0	10	10
	2462	26Tone_RU8	MCS0	10	10
		52Tone_RU40	MCS0	10	10
		106Tone_RU54	MCS0	10	10
		242Tone_RU61	MCS0	10	10
802.11ax hew40	2422	26Tone_RU0	MCS0	10	10
		52Tone_RU37	MCS0	10	10
		106Tone_RU53	MCS0	10	10
		242Tone_RU61	MCS0	10	10
		484Tone_RU65	MCS0	10	10
	2437	26Tone_RU0	MCS0	10	10
		52Tone_RU37	MCS0	10	10
		106Tone_RU53	MCS0	10	10
		242Tone_RU61	MCS0	10	10
		484Tone_RU65	MCS0	10	10

	2452	26Tone_RU17	MCS0	10	10
		52Tone_RU44	MCS0	10	10
		106Tone_RU56	MCS0	10	10
		242Tone_RU62	MCS0	10	10
		484Tone_RU65	MCS0	10	10
Note1: The above are the worst-case data rates, which are determined for each mode based upon investigations by measuring the average power and PSD across all data rates, bandwidths, and modulations. Note2: According to the manufacturer, for 802.11 b/g mode, the device only support SISO mode. Note3: According to the manufacturer, for 802.11 n/ax modes, the device supports SISO and MIMO in all modes, per pretest, the MIMO mode was the worst mode for all the modes.					

1.2.2 Support Equipment List and Details

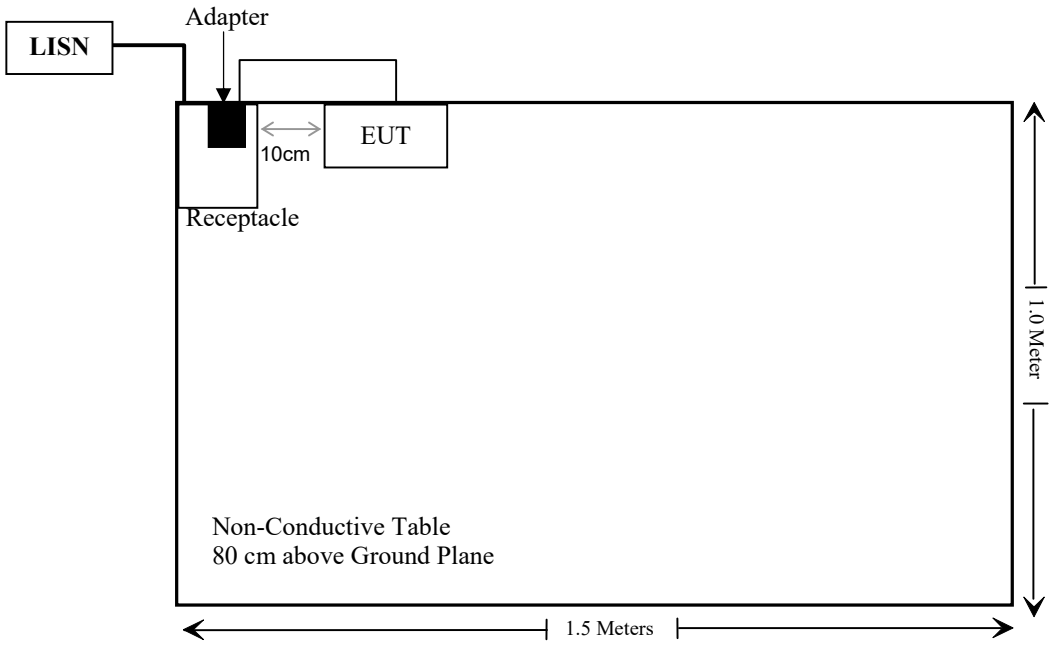
Manufacturer	Description	Model	Serial Number
/	/	/	/

1.2.3 Support Cable List and Details

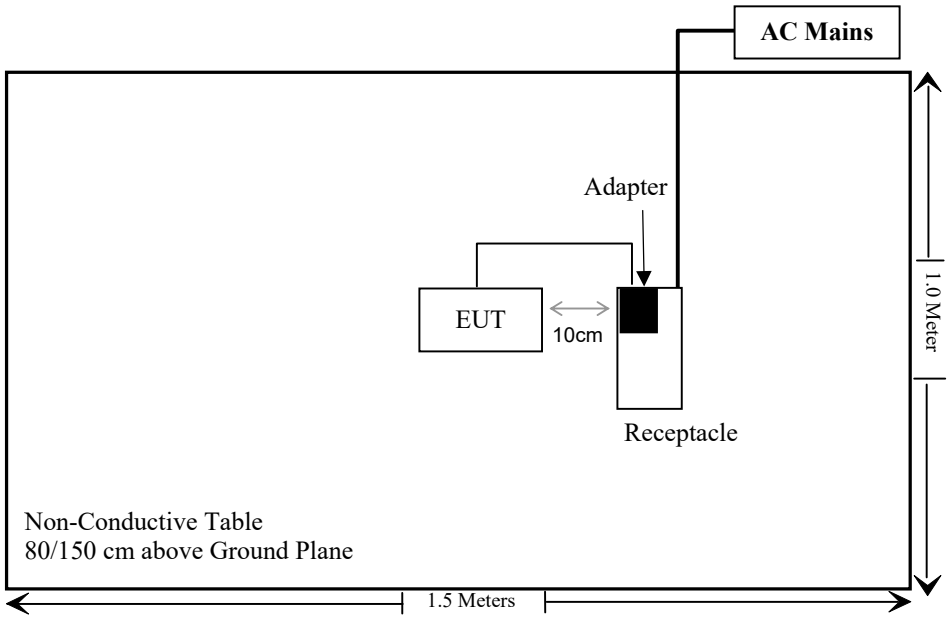
Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
USB Cable	No	No	1.0	EUT	adapter

1.2.4 Block Diagram of Test Setup

AC Line Conducted Emissions:



Spurious emissions:



1.3 Measurement Uncertainty

Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval.

Parameter	Measurement Uncertainty
Occupied Channel Bandwidth	±5 %
RF output power, conducted	±0.61dB
Power Spectral Density, conducted	±0.61 dB
Unwanted Emissions, radiated	9kHz~30MHz: 4.12dB,30M~200MHz: 4.15 dB,200M~1GHz: 5.61 dB,1G~6GHz: 5.14 dB, 6G~18GHz: 5.93 dB,18G~26.5G:5.47 dB,26.5G~40G:5.63 dB
Unwanted Emissions, conducted	±1.26 dB
Temperature	±1℃
Humidity	±5%
DC and low frequency voltages	±0.4%
Duty Cycle	1%
AC Power Lines Conducted Emission	2.8 dB (150 kHz to 30 MHz)

2. SUMMARY OF TEST RESULTS

Standard(s) Section	Test Items	Result
§15.207(a)	AC Line Conducted Emissions	Compliant
§15.205, §15.209, §15.247(d)	Spurious Emissions	Compliant
§15.247 (a)(2)	Minimum 6 dB Bandwidth	Compliant
§15.247(b)(3)	Maximum Conducted Output Power	Compliant
§15.247(d)	100 kHz Bandwidth Of Frequency Band Edge	Compliant
§15.247(e)	Power Spectral Density	Compliant
§15.203	Antenna Requirement	Compliant

3. REQUIREMENTS AND TEST PROCEDURES

3.1 AC Line Conducted Emissions

3.1.1 Applicable Standard

FCC§15.207(a).

(a) Except as shown in paragraphs (b) and (c) of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 μH/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

	Conducted limit (dBμV)	
Frequency of emission (MHz)	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

(b) The limit shown in paragraph (a) of this section shall not apply to carrier current systems operating as intentional radiators on frequencies below 30 MHz. In lieu thereof, these carrier current systems shall be subject to the following standards:

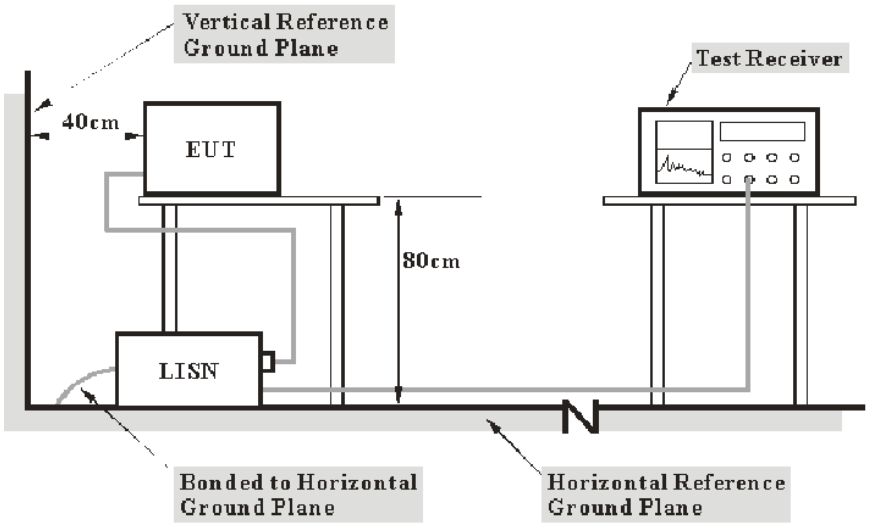
(1) For carrier current system containing their fundamental emission within the frequency band 535-1705 kHz and intended to be received using a standard AM broadcast receiver: no limit on conducted emissions.

(2) For all other carrier current systems: 1000 μV within the frequency band 535-1705 kHz, as measured using a 50 μH/50 ohms LISN.

(3) Carrier current systems operating below 30 MHz are also subject to the radiated emission limits in §15.205, §15.209, §15.221, §15.223, or §15.227, as appropriate.

(c) Measurements to demonstrate compliance with the conducted limits are not required for devices which only employ battery power for operation and which do not operate from the AC power lines or contain provisions for operation while connected to the AC power lines. Devices that include, or make provisions for, the use of battery chargers which permit operating while charging, AC adapters or battery eliminators or that connect to the AC power lines indirectly, obtainig their power through another device which is connected to the AC power lines, shall be tested to demonstrate compliance with the conducted limits.

3.1.2 EUT Setup



Note: 1. Support units were connected to second LISN.
2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.207 limits.

The spacing between the peripherals was 10 cm.

The adapter or EUT was connected to the main LISN with a 120 V/60 Hz AC power source.

3.1.3 EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

Frequency Range	IF B/W
150 kHz – 30 MHz	9 kHz

3.1.4 Test Procedure

The frequency and amplitude of the six highest ac power-line conducted emissions relative to the limit, measured over all the current-carrying conductors of the EUT power cords, and the operating frequency or frequency to which the EUT is tuned (if appropriate), should be reported, unless such emissions are more than 20 dB below the limit. AC power-line conducted emissions measurements are to be separately carried out only on each of the phase ("hot") line(s) and (if used) on the neutral line(s), but not on the ground [protective earth] line(s). If less than six emission frequencies are within 20 dB of the limit, then the noise level of the measuring instrument at representative frequencies should be reported. The specific conductor of the power-line cord for each of the reported emissions should be identified. Measure the six highest emissions with respect to the limit on each current-carrying conductor of each power cord associated with the EUT (but not the power cords of associated or peripheral equipment that are part of the test configuration). Then, report the six highest emissions with respect to the limit from among all the measurements identifying the frequency and specific current-carrying conductor identified with the emission. The six highest emissions should be reported for each of the current-carrying conductors, or the six highest emissions may be reported over all the current-carrying conductors.

3.1.5 Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Result = Reading + Factor
Factor = attenuation caused by cable loss + voltage division factor of AMN

The "**Margin**" column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

Margin = Limit – Result

3.2 Radiation Spurious Emissions

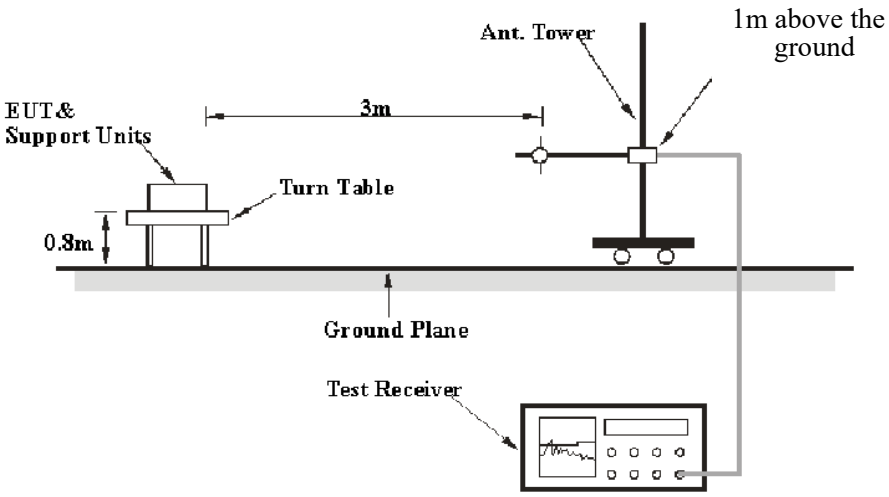
3.2.1 Applicable Standard

FCC §15.247 (d);

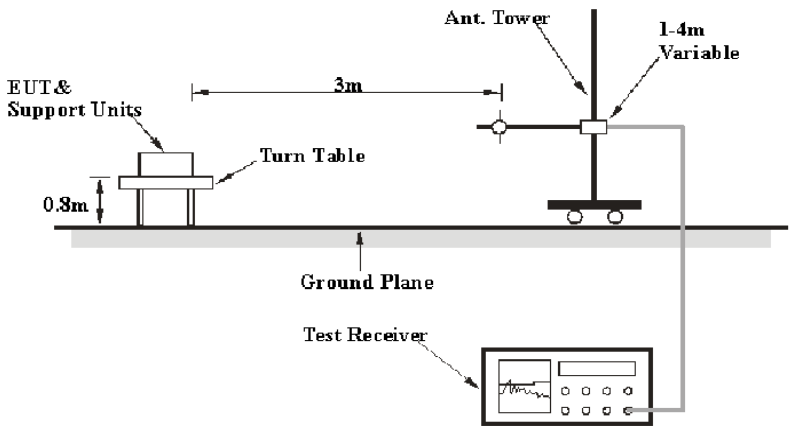
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

3.2.2 EUT Setup

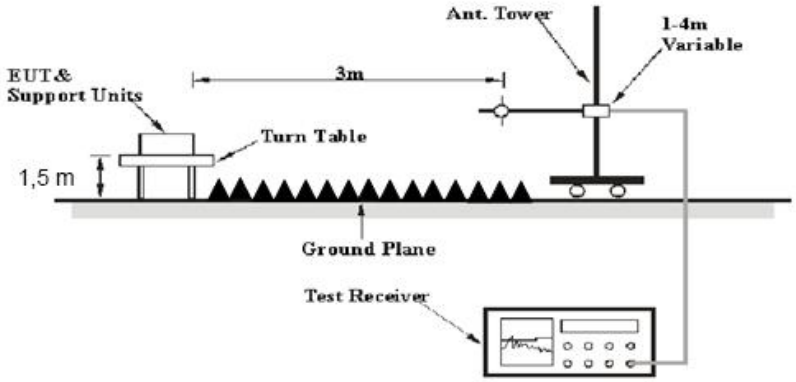
9 kHz-30MHz:



30MHz-1GHz:



Above 1GHz:



The radiated emissions were performed in the 3 meters distance, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC 15.209, and FCC 15.247 limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

The spacing between the peripherals was 10 cm.

3.2.3 EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 9 kHz to 25 GHz.

During the radiated emission test, the EMI test receiver & Spectrum Analyzer Setup were set with the following configurations:

9 kHz -1000 MHz:

Frequency Range	RBW	Video B/W	IF B/W	Measurement
9 kHz – 150 kHz	/	/	200 Hz	QP
	300 Hz	1 kHz	/	PK
150 kHz – 30 MHz	/	/	9 kHz	QP
	10 kHz	30 kHz	/	PK
30 MHz – 1000 MHz	/	/	120 kHz	QP
	100 kHz	300 kHz	/	PK

1GHz- 25GHz:

Measurement	Duty cycle	RBW	Video B/W
PK	Any	1MHz	3 MHz
Ave.	>98%	1MHz	10 Hz
	<98%	1MHz	≥1/T

Note: T is minimum transmission duration

If the maximized peak measured value complies with under the QP/Average limit more than 6dB, then it is unnecessary to perform an QP/Average measurement.

3.2.4 Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

Data was recorded in Quasi-peak detection mode for frequency range of 9 kHz-1 GHz, peak and Average detection modes for frequencies above 1 GHz.

3.2.5 Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Result = Reading + Factor
Factor = Antenna Factor + Cable Loss- Amplifier Gain

The "**Margin**" column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

Margin = Limit – Result

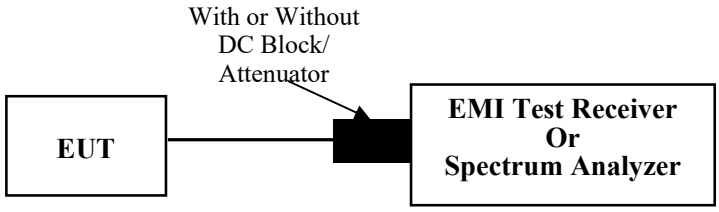
3.3 Minimum 6 dB Emission Bandwidth

3.3.1 Applicable Standard

FCC §15.247 (a)(2)

Systems using digital modulation techniques may operate in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

3.3.2 EUT Setup



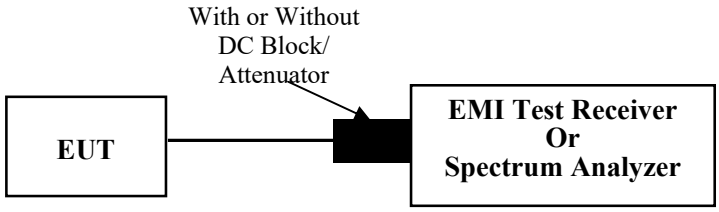
3.3.3 Test Procedure

According to ANSI C63.10-2013 Section 11.8

a) Set RBW = 100 kHz.
b) Set the video bandwidth (VBW) ≥ 3×RBW.
c) Detector = Peak.
d) Trace mode = max hold.
e) Sweep = auto couple.
f) Allow the trace to stabilize.
g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

3.4 99% Occupied Bandwidth

3.4.1 EUT Setup



3.4.2 Test Procedure

According to ANSI C63.10-2013 Section 6.9.3

The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission.
The following procedure shall be used for measuring 99% power bandwidth:
a) The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.
b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be approximately three times the RBW, unless otherwise specified by the applicable requirement.
c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than [10 log (OBW/RBW)] below the reference level. Specific guidance is given in 4.1.5.2.
d) Step a) through step c) might require iteration to adjust within the specified range.
e) Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
f) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.
g) If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies.
h) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

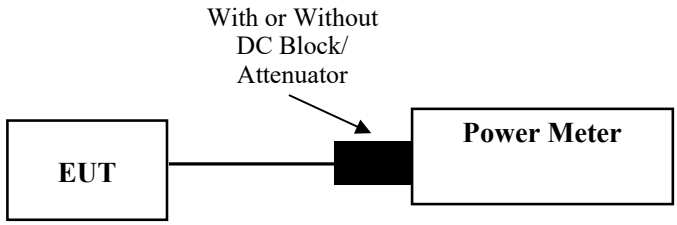
3.5 Maximum Conducted Output Power

3.5.1 Applicable Standard

FCC §15.247 (b)(3)

For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.

3.5.2 EUT Setup



3.5.3 Test Procedure

According to ANSI C63.10-2013 Section 11.9.1.3

The maximum peak conducted output power may be measured using a broadband peak RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall use a fast-responding diode detector.

According to ANSI C63.10-2013 Section 11.9.2.3.2

Method AVGPM-G is a measurement using a gated RF average power meter.

Alternatively, measurements may be performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Because the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

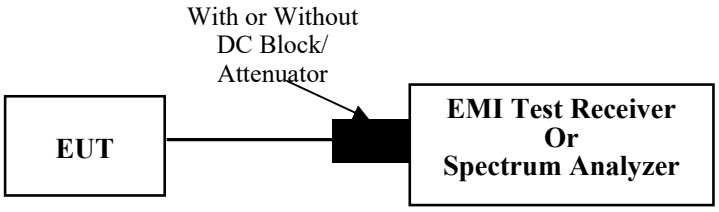
3.6 Maximum Power Spectral Density

3.6.1 Applicable Standard

FCC §15.247 (e)

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

3.6.2 EUT Setup



3.6.3 Test Procedure

According to ANSI C63.10-2013 Section 11.10.2

a) Set analyzer center frequency to DTS channel center frequency.
b) Set the span to 1.5 times the DTS bandwidth.
c) Set the RBW to 3 kHz ≤ RBW ≤ 100 kHz.
d) Set the VBW ≥ [3 × RBW].
e) Detector = peak.
f) Sweep time = auto couple.
g) Trace mode = max hold.
h) Allow trace to fully stabilize.
i) Use the peak marker function to determine the maximum amplitude level within the RBW.
j) If measured value exceeds requirement, then reduce RBW (but no less than 3 kHz) and repeat.

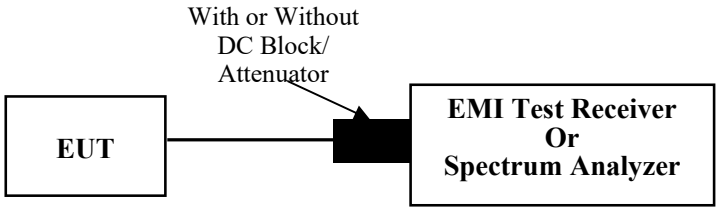
3.7 100 kHz Bandwidth of Frequency Band Edge

3.7.1 Applicable Standard

FCC §15.247 (d);

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

3.7.2 EUT Setup



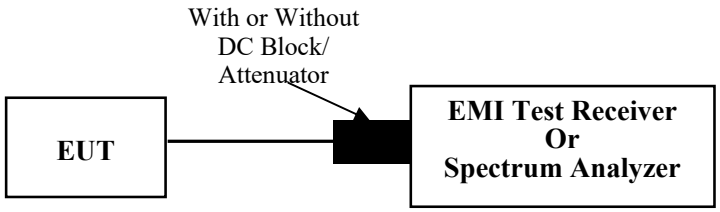
3.7.3 Test Procedure

According to ANSI C63.10-2013 Section 11.11

a) Set the center frequency and span to encompass frequency range to be measured.
b) Set the RBW = 100 kHz.
c) Set the VBW ≥ [3 × RBW].
d) Detector = peak.
e) Sweep time = auto couple.
f) Trace mode = max hold.
g) Allow trace to fully stabilize.
h) Use the peak marker function to determine the maximum amplitude level.
Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) is attenuated by at least the minimum requirements specified in 11.11. Report the three highest emissions relative to the limit.

3.8 Duty Cycle

3.8.1 EUT Setup



3.8.2 Test Procedure

According to ANSI C63.10-2013 Section 11.6

The zero-span mode on a spectrum analyzer or EMI receiver if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the ON and OFF times of the transmitted signal:
1) Set the center frequency of the instrument to the center frequency of the transmission.
2) Set RBW ≥ OBW if possible; otherwise, set RBW to the largest available value.
3) Set VBW ≥ RBW. Set detector = peak or average.
4) The zero-span measurement method shall not be used unless both RBW and VBW are > 50/T and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring the duty cycle shall not be used if T ≤ 16.7 μs.)

3.9 Antenna Requirement

3.9.1 Applicable Standard

FCC §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 shall be considered sufficient to comply with the provisions of this section. 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. This requirement does not apply to carrier current devices or to devices operated under the provisions of §§15.211, 15.213, 15.217, 15.219, 15.221, or §15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

3.9.2 Judgment

Compliant. Please refer to the Antenna Information detail in Section 1.

4. Test DATA AND RESULTS

4.1 AC Line Conducted Emissions

Serial Number:	2EXR-4	Test Date:	2023/12/30
Test Site:	CE	Test Mode:	Transmitting(maximum output power mode, 802.11ax40_2452MHz_26Tone_RU17, MIMO mode)
Tester:	David Huang	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	24.1	Relative Humidity: (%)	49	ATM Pressure: (kPa)	101.6

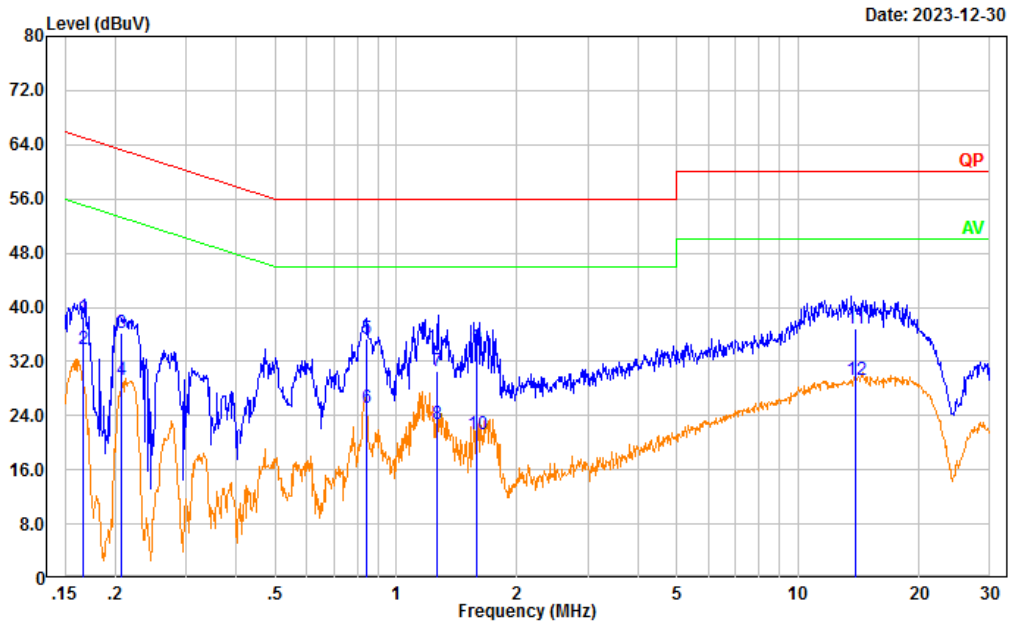
Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	LISN	ENV216	101134	2023/3/31	2024/3/30
R&S	EMI Test Receiver	ESR3	102726	2023/3/31	2024/3/30
MICRO-COAX	Coaxial Cable	UTIFLEX	C-0200-01	2023/8/6	2024/8/5
Audix	Test Software	E3	190306 (V9)	N/A	N/A

** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

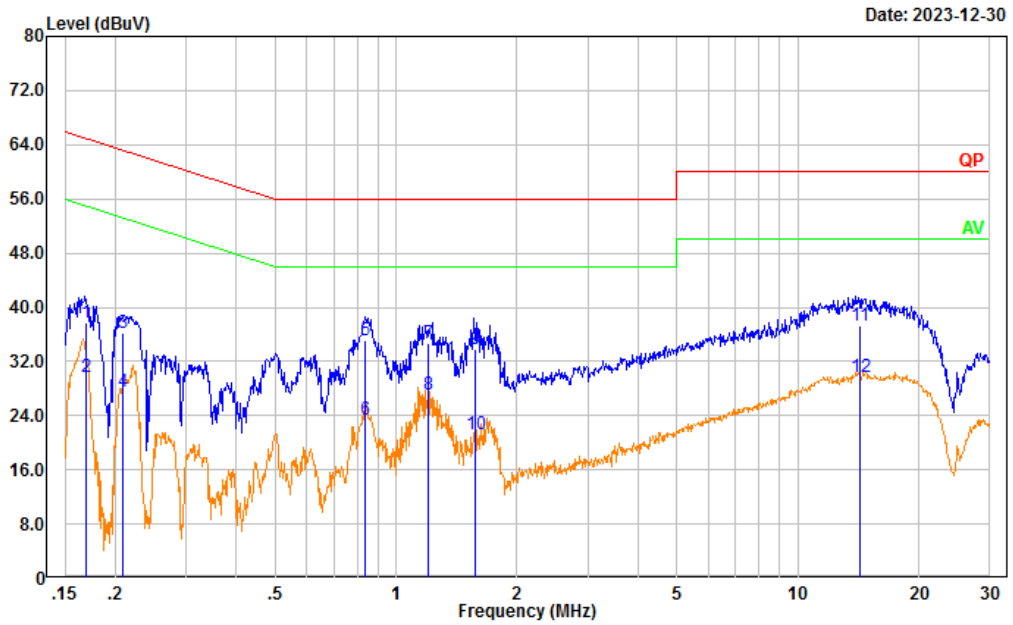
Test Data:

Project No.: CR231273520-RF
Tester: David Huang
Port: Line
Note: Transmitting(2.4G WIFI)



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.167	28.88	9.61	38.49	65.13	26.64	QP
2	0.167	24.15	9.61	33.76	55.13	21.37	Average
3	0.207	26.60	9.61	36.21	63.31	27.10	QP
4	0.207	19.59	9.61	29.20	53.31	24.11	Average
5	0.843	25.78	9.62	35.40	56.00	20.60	QP
6	0.843	15.45	9.62	25.07	46.00	20.93	Average
7	1.264	21.03	9.62	30.65	56.00	25.35	QP
8	1.264	13.14	9.62	22.76	46.00	23.24	Average
9	1.584	24.40	9.63	34.03	56.00	21.97	QP
10	1.584	11.54	9.63	21.17	46.00	24.83	Average
11	13.881	27.22	9.68	36.90	60.00	23.10	QP
12	13.881	19.57	9.68	29.25	50.00	20.75	Average

Project No.: CR231273520-RF
Tester: David Huang
Port: neutral
Note: Transmitting(2.4G WIFI)



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.169	28.10	9.61	37.71	65.00	27.29	QP
2	0.169	20.19	9.61	29.80	55.00	25.20	Average
3	0.209	26.49	9.61	36.10	63.26	27.16	QP
4	0.209	17.96	9.61	27.57	53.26	25.69	Average
5	0.837	25.53	9.62	35.15	56.00	20.85	QP
6	0.837	13.75	9.62	23.37	46.00	22.63	Average
7	1.204	24.98	9.62	34.60	56.00	21.40	QP
8	1.204	17.47	9.62	27.09	46.00	18.91	Average
9	1.576	24.14	9.63	33.77	56.00	22.23	QP
10	1.576	11.61	9.63	21.24	46.00	24.76	Average
11	14.212	27.55	9.68	37.23	60.00	22.77	QP
12	14.212	19.93	9.68	29.61	50.00	20.39	Average

4.2 Radiation Spurious Emissions

Serial Number:	2EXR-4	Test Date:	2023/12/19~ 2023/12/31
Test Site:	966-2, 966-1	Test Mode:	Transmitting
Tester:	Jeff Luo, Coco Tian	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	24.3 ~25.2	Relative Humidity: (%)	41 ~54	ATM Pressure: (kPa)	101.2~101.7

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Sunol Sciences	Antenna	JB6	A082520-6	2023/9/18	2026/9/17
BACL	Loop Antenna	1313-1P	3092721	2023/10/20	2026/10/19
R&S	EMI Test Receiver	ESR3	102724	2023/3/31	2024/3/30
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0470-02	2023/7/16	2024/7/15
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0780-01	2023/7/16	2024/7/15
Sonoma	Amplifier	310N	186165	2023/7/16	2024/7/15
Audix	Test Software	E3	201021 (V9)	N/A	N/A
AH	Double Ridge Guide Horn Antenna	SAS-571	1394	2023/02/22	2026/02/21
R&S	Spectrum Analyzer	FSV40	101591	2023/03/31	2024/03/30
MICRO-COAX	Coaxial Cable	UFA210A-1-1200-70U300	217423-008	2023/08/06	2024/08/05
MICRO-COAX	Coaxial Cable	UFA210A-1-2362-300300	235780-001	2023/08/06	2024/08/05
Mini	Pre-amplifier	ZVA-183-S+	5969001149	2023/11/08	2024/11/07
Audix	Test Software	E3	201021 (V9)	N/A	N/A
PASTERNACK	Horn Antenna	PE9852/2F-20	112002	2021/02/05	2024/02/04
Quinstar	Preamplifier	QLW-18405536-JO	15964001005	2023/09/15	2024/09/14
MICRO-COAX	Coaxial Cable	UFB142A-1-2362-200200	235772-001	2023/08/06	2024/08/05
E-Microwave	Band Rejection Filter	2400-2483.5MHz	OE01902424	2023/08/06	2024/08/05
Mini Circuits	High Pass Filter	VHF-6010+	31119	2023/08/06	2024/08/05

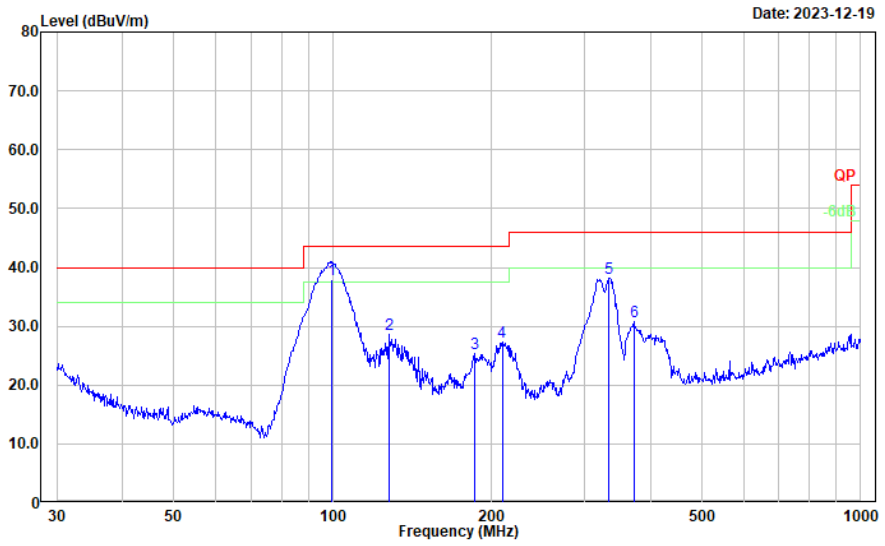
** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:

After pre-scan in the X, Y and Z axes of orientation, the worst case is below:
For 9kHz-30MHz, The amplitude of spurious emissions attenuated more than 20 dB below the limit was not be recorded

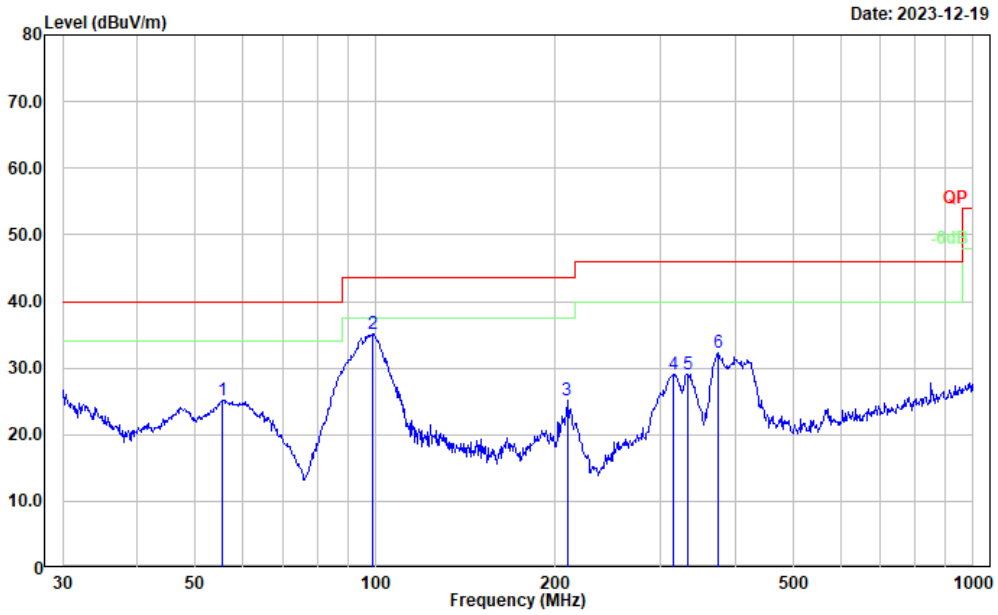
1) 30MHz-1GHz (maximum output power mode, 802.11ax40, MIMO mode)
2422MHz_26Tone_RU0

Project No.: CR231273520-RF
Tester: Jeff Luo
Polarization: horizontal
Note: Transmitting(2.4G WIFI)



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	99.528	52.71	-14.74	37.97	43.50	5.53	QP
2	127.665	40.26	-11.67	28.59	43.50	14.91	Peak
3	185.788	39.25	-13.84	25.41	43.50	18.09	Peak
4	209.313	40.19	-12.92	27.27	43.50	16.23	Peak
5	333.687	48.81	-10.56	38.25	46.00	7.75	Peak
6	372.005	40.51	-9.80	30.71	46.00	15.29	Peak

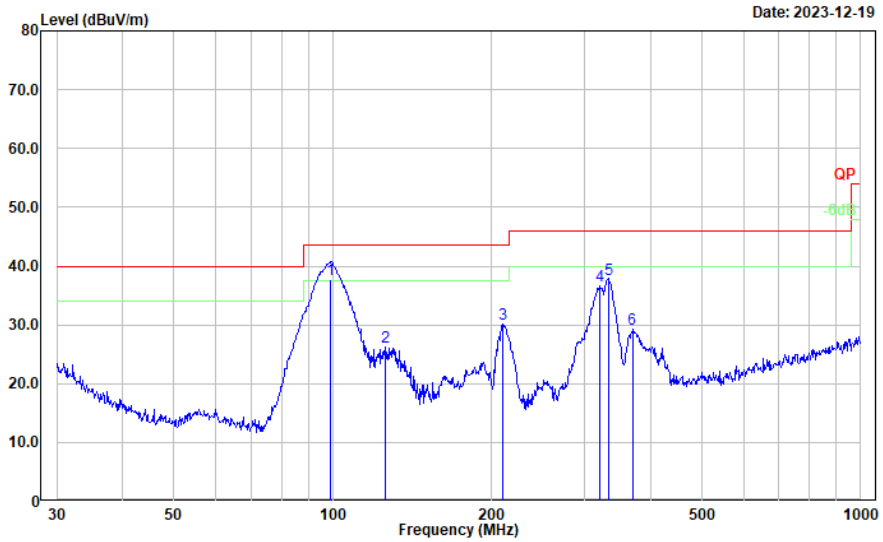
Project No.: CR231273520-RF
Tester: Jeff Luo
Polarization: vertical
Note: Transmitting(2.4G WIFI)



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	55.609	42.76	-17.53	25.23	40.00	14.77	Peak
2	98.833	50.09	-14.89	35.20	43.50	8.30	Peak
3	209.313	37.97	-12.92	25.05	43.50	18.45	Peak
4	314.377	40.02	-10.89	29.13	46.00	16.87	Peak
5	333.687	39.72	-10.56	29.16	46.00	16.84	Peak
6	374.623	42.02	-9.74	32.28	46.00	13.72	Peak

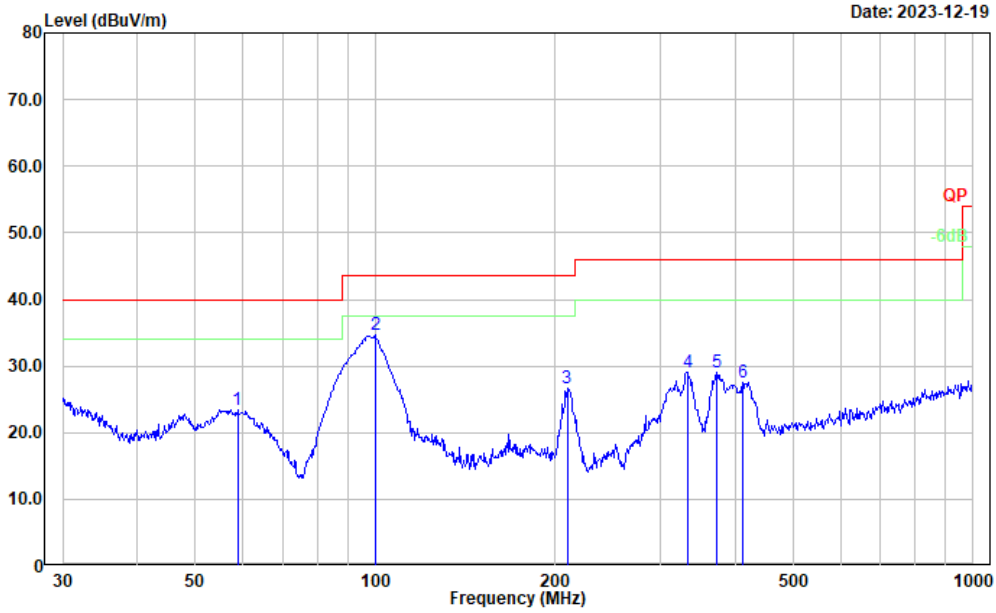
2437MHz_26Tone_RU0

Project No.: CR231273520-RF
Tester: Jeff Luo
Polarization: horizontal
Note: Transmitting(2.4G WIFI)



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	99.180	52.59	-14.81	37.78	43.50	5.72	QP
2	125.446	38.00	-11.68	26.32	43.50	17.18	Peak
3	210.048	43.11	-12.93	30.18	43.50	13.32	Peak
4	321.061	47.43	-10.78	36.65	46.00	9.35	Peak
5	332.519	48.38	-10.55	37.83	46.00	8.17	Peak
6	369.405	39.07	-9.85	29.22	46.00	16.78	Peak

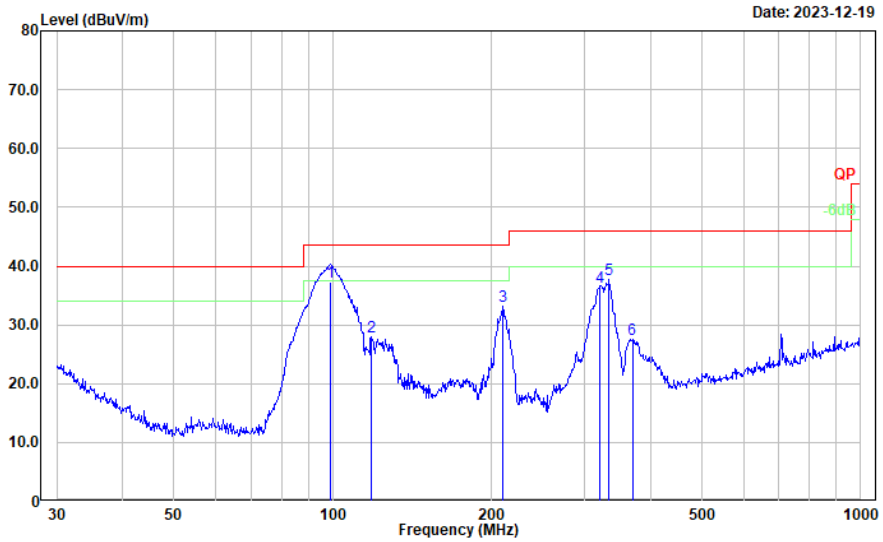
Project No.: CR231273520-RF
Tester: Jeff Luo
Polarization: vertical
Note: Transmitting(2.4G WIFI)



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	58.819	41.11	-17.62	23.49	40.00	16.51	Peak
2	99.878	49.26	-14.66	34.60	43.50	8.90	Peak
3	209.313	39.67	-12.92	26.75	43.50	16.75	Peak
4	332.519	39.68	-10.55	29.13	46.00	16.87	Peak
5	373.311	38.77	-9.77	29.00	46.00	17.00	Peak
6	411.824	36.22	-8.63	27.59	46.00	18.41	Peak

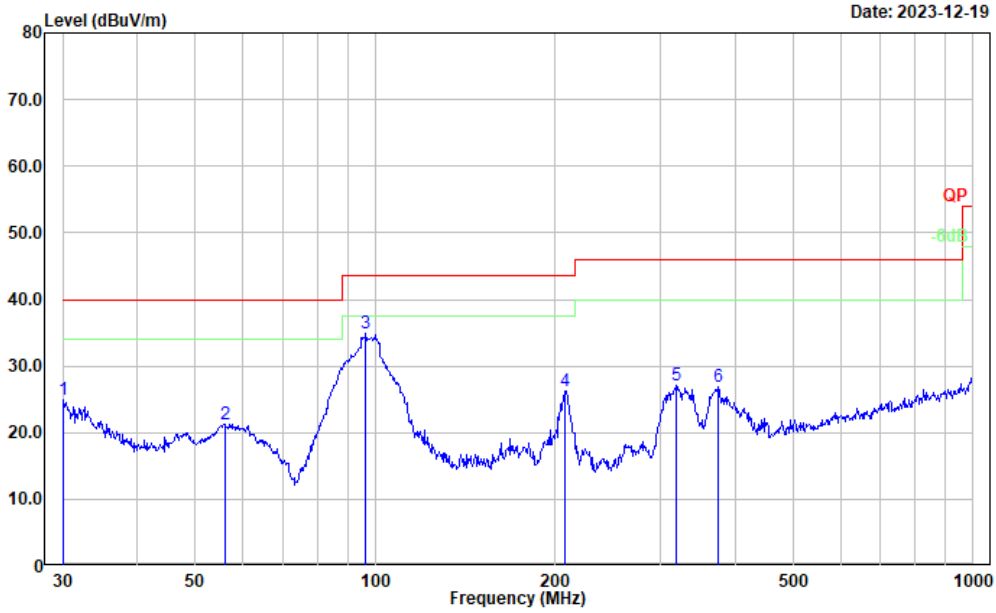
2452MHz_26Tone_RU17

Project No.: CR231273520-RF
Tester: Jeff Luo
Polarization: horizontal
Note: Transmitting(2.4G WIFI)



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	99.180	52.05	-14.81	37.24	43.50	6.26	QP
2	118.601	39.93	-11.94	27.99	43.50	15.51	Peak
3	210.048	46.04	-12.93	33.11	43.50	10.39	Peak
4	319.937	47.21	-10.79	36.42	46.00	9.58	Peak
5	333.687	48.18	-10.56	37.62	46.00	8.38	Peak
6	369.405	37.44	-9.85	27.59	46.00	18.41	Peak

Project No.: CR231273520-RF
Tester: Jeff Luo
Polarization: vertical
Note: Transmitting(2.4G WIFI)



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.000	29.14	-4.12	25.02	40.00	14.98	Peak
2	56.197	38.75	-17.55	21.20	40.00	18.80	Peak
3	96.436	50.34	-15.54	34.80	43.50	8.70	Peak
4	207.123	39.13	-12.87	26.26	43.50	17.24	Peak
5	318.817	37.82	-10.80	27.02	46.00	18.98	Peak
6	374.623	36.56	-9.74	26.82	46.00	19.18	Peak

2) 1-25GHz:

802.11b Mode Chain 0:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 2412 MHz							
2390.000	26.01	PK	H	31.71	57.72	74.00	16.28
2390.000	15.06	AV	H	31.71	46.77	54.00	7.23
2390.000	26.67	PK	V	31.71	58.38	74.00	15.62
2390.000	15.49	AV	V	31.71	47.2	54.00	6.80
4824.000	37.16	PK	H	11.26	48.42	74.00	25.58
4824.000	26.31	AV	H	11.26	37.57	54.00	16.43
4824.000	37.47	PK	V	11.26	48.73	74.00	25.27
4824.000	26.55	AV	V	11.26	37.81	54.00	16.19
Middle Channel: 2437 MHz							
4874.000	42.27	PK	H	11.45	53.72	74.00	20.28
4874.000	36.42	AV	H	11.45	47.87	54.00	6.13
4874.000	42.83	PK	V	11.45	54.28	74.00	19.72
4874.000	36.94	AV	V	11.45	48.39	54.00	5.61
High Channel: 2462 MHz							
2483.500	26.98	PK	H	32.19	59.17	74.00	14.83
2483.500	15.11	AV	H	32.19	47.3	54.00	6.70
2483.500	26.55	PK	V	32.19	58.74	74.00	15.26
2483.500	15.60	AV	V	32.19	47.79	54.00	6.21
4924.000	40.81	PK	H	11.67	52.48	74.00	21.52
4924.000	32.08	AV	H	11.67	43.75	54.00	10.25
4924.000	41.24	PK	V	11.67	52.91	74.00	21.09
4924.000	32.89	AV	V	11.67	44.56	54.00	9.44

802.11b Mode Chain 1:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 2412 MHz							
2390.000	26.07	PK	H	31.71	57.78	74.00	16.22
2390.000	14.87	AV	H	31.71	46.58	54.00	7.42
2390.000	26.70	PK	V	31.71	58.41	74.00	15.59
2390.000	14.69	AV	V	31.71	46.4	54.00	7.60
4824.000	39.02	PK	H	11.26	50.28	74.00	23.72
4824.000	27.73	AV	H	11.26	38.99	54.00	15.01
4824.000	38.31	PK	V	11.26	49.57	74.00	24.43
4824.000	26.68	AV	V	11.26	37.94	54.00	16.06
Middle Channel: 2437 MHz							
4874.000	38.30	PK	H	11.45	49.75	74.00	24.25
4874.000	27.36	AV	H	11.45	38.81	54.00	15.19
4874.000	37.64	PK	V	11.45	49.09	74.00	24.91
4874.000	26.18	AV	V	11.45	37.63	54.00	16.37
High Channel: 2462 MHz							
2483.500	26.52	PK	H	32.19	58.71	74.00	15.29
2483.500	15.25	AV	H	32.19	47.44	54.00	6.56
2483.500	26.94	PK	V	32.19	59.13	74.00	14.87
2483.500	15.07	AV	V	32.19	47.26	54.00	6.74
4924.000	37.21	PK	H	11.67	48.88	74.00	25.12
4924.000	25.39	AV	H	11.67	37.06	54.00	16.94
4924.000	36.83	PK	V	11.67	48.5	74.00	25.50
4924.000	24.87	AV	V	11.67	36.54	54.00	17.46

802.11g Mode Chain 0:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 2412 MHz							
2390.000	37.98	PK	H	31.71	69.69	74.00	4.31
2390.000	19.07	AV	H	31.71	50.78	54.00	3.22
2390.000	36.74	PK	V	31.71	68.45	74.00	5.55
2390.000	17.68	AV	V	31.71	49.39	54.00	4.61
4824.000	37.44	PK	H	11.26	48.7	74.00	25.30
4824.000	22.97	AV	H	11.26	34.23	54.00	19.77
4824.000	38.18	PK	V	11.26	49.44	74.00	24.56
4824.000	23.61	AV	V	11.26	34.87	54.00	19.13
Middle Channel: 2437 MHz							
4874.000	38.24	PK	H	11.45	49.69	74.00	24.31
4874.000	23.69	AV	H	11.45	35.14	54.00	18.86
4874.000	38.63	PK	V	11.45	50.08	74.00	23.92
4874.000	24.60	AV	V	11.45	36.05	54.00	17.95
High Channel: 2462 MHz							
2483.500	38.53	PK	H	32.19	70.72	74.00	3.28
2483.500	16.21	AV	H	32.19	48.4	54.00	5.60
2483.500	36.92	PK	V	32.19	69.11	74.00	4.89
2483.500	15.81	AV	V	32.19	48	54.00	6.00
4924.000	38.54	PK	H	11.67	50.21	74.00	23.79
4924.000	24.30	AV	H	11.67	35.97	54.00	18.03
4924.000	39.03	PK	V	11.67	50.7	74.00	23.30
4924.000	25.21	AV	V	11.67	36.88	54.00	17.12

802.11g Mode Chain 1:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 2412 MHz							
2390.000	27.92	PK	H	31.71	59.63	74.00	14.37
2390.000	14.93	AV	H	31.71	46.64	54.00	7.36
2390.000	26.55	PK	V	31.71	58.26	74.00	15.74
2390.000	14.40	AV	V	31.71	46.11	54.00	7.89
4824.000	38.08	PK	H	11.26	49.34	74.00	24.66
4824.000	24.10	AV	H	11.26	35.36	54.00	18.64
4824.000	37.44	PK	V	11.26	48.7	74.00	25.30
4824.000	24.06	AV	V	11.26	35.32	54.00	18.68
Middle Channel: 2437 MHz							
4874.000	37.36	PK	H	11.45	48.81	74.00	25.19
4874.000	23.93	AV	H	11.45	35.38	54.00	18.62
4874.000	37.05	PK	V	11.45	48.5	74.00	25.50
4874.000	23.28	AV	V	11.45	34.73	54.00	19.27
High Channel: 2462 MHz							
2483.500	25.98	PK	H	32.19	58.17	74.00	15.83
2483.500	14.73	AV	H	32.19	46.92	54.00	7.08
2483.500	27.32	PK	V	32.19	59.51	74.00	14.49
2483.500	14.59	AV	V	32.19	46.78	54.00	7.22
4924.000	37.03	PK	H	11.67	48.7	74.00	25.30
4924.000	23.74	AV	H	11.67	35.41	54.00	18.59
4924.000	36.79	PK	V	11.67	50.84	74.00	23.16
4924.000	23.02	AV	V	11.67	35.03	54.00	18.97

802.11n ht20 Mode:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 2412 MHz							
2390.000	37.82	PK	H	31.71	69.53	74.00	4.47
2390.000	17.08	AV	H	31.71	48.79	54.00	5.21
2390.000	36.74	PK	V	31.71	68.45	74.00	5.55
2390.000	15.46	AV	V	31.71	47.17	54.00	6.83
4824.000	37.54	PK	H	11.26	48.8	74.00	25.20
4824.000	24.06	AV	H	11.26	35.32	54.00	18.68
4824.000	38.21	PK	V	11.26	49.47	74.00	24.53
4824.000	24.34	AV	V	11.26	35.6	54.00	18.40
Middle Channel: 2437 MHz							
4874.000	37.37	PK	H	11.45	48.82	74.00	25.18
4874.000	23.80	AV	H	11.45	35.25	54.00	18.75
4874.000	37.94	PK	V	11.45	49.39	74.00	24.61
4874.000	24.56	AV	V	11.45	36.01	54.00	17.99
High Channel: 2462 MHz							
2483.500	35.92	PK	H	32.19	68.11	74.00	5.89
2483.500	15.73	AV	H	32.19	47.92	54.00	6.08
2483.500	37.50	PK	V	32.19	69.69	74.00	4.31
2483.500	17.32	AV	V	32.19	49.51	54.00	4.49
4924.000	37.13	PK	H	11.67	48.8	74.00	25.20
4924.000	23.64	AV	H	11.67	35.31	54.00	18.69
4924.000	37.71	PK	V	11.67	49.38	74.00	24.62
4924.000	24.85	AV	V	11.67	36.52	54.00	17.48

802.11n ht40 Mode:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 2422 MHz							
2390.000	31.09	PK	H	31.71	62.8	74.00	11.20
2390.000	16.99	AV	H	31.71	48.7	54.00	5.30
2390.000	29.62	PK	V	31.71	61.33	74.00	12.67
2390.000	16.39	AV	V	31.71	48.1	54.00	5.90
4844.000	37.31	PK	H	11.31	48.62	74.00	25.38
4844.000	23.59	AV	H	11.31	34.9	54.00	19.10
4844.000	37.46	PK	V	11.31	48.77	74.00	25.23
4844.000	23.73	AV	V	11.31	35.04	54.00	18.96
Middle Channel: 2437 MHz							
4874.000	37.69	PK	H	11.45	49.14	74.00	24.86
4874.000	23.85	AV	H	11.45	35.3	54.00	18.70
4874.000	38.30	PK	V	11.45	49.75	74.00	24.25
4874.000	24.76	AV	V	11.45	36.21	54.00	17.79
High Channel: 2452 MHz							
2483.500	38.32	PK	H	32.19	70.51	74.00	3.49
2483.500	17.33	AV	H	32.19	49.52	54.00	4.48
2483.500	36.86	PK	V	32.19	69.05	74.00	4.95
2483.500	15.78	AV	V	32.19	47.97	54.00	6.03
4904.000	38.21	PK	H	11.58	49.79	74.00	24.21
4904.000	24.45	AV	H	11.58	36.03	54.00	17.97
4904.000	38.40	PK	V	11.58	49.98	74.00	24.02
4904.000	25.37	AV	V	11.58	36.95	54.00	17.05

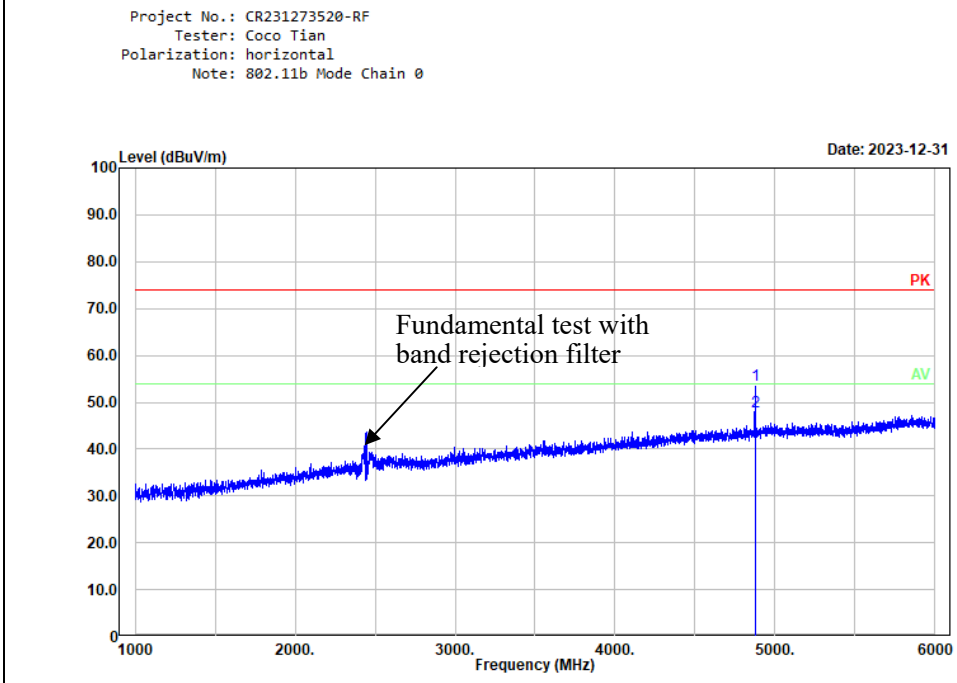
802.11ax 20 Mode:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 2412 MHz 26Tone_RU0							
2390.000	25.23	PK	H	31.71	56.94	74.00	17.06
2390.000	15.34	AV	H	31.71	47.05	54.00	6.95
2390.000	26.67	PK	V	31.71	58.38	74.00	15.62
2390.000	15.06	AV	V	31.71	46.77	54.00	7.23
Low Channel: 2412 MHz 242Tone_RU61							
2390.000	36.95	PK	H	31.71	68.66	74.00	5.34
2390.000	14.89	AV	H	31.71	46.6	54.00	7.40
2390.000	35.83	PK	V	31.71	67.54	74.00	6.46
2390.000	14.56	AV	V	31.71	46.27	54.00	7.73
4824.000	45.15	PK	H	11.26	56.41	74.00	17.59
4824.000	29.12	AV	H	11.26	40.38	54.00	13.62
4824.000	39.45	PK	V	11.26	50.71	74.00	23.29
4824.000	28.02	AV	V	11.26	39.28	54.00	14.72
Middle Channel: 2437 MHz 242Tone_RU61							
4874.000	37.84	PK	H	11.45	49.29	74.00	24.71
4874.000	24.05	AV	H	11.45	35.5	54.00	18.50
4874.000	38.70	PK	V	11.45	50.15	74.00	23.85
4874.000	24.97	AV	V	11.45	36.42	54.00	17.58
High Channel: 2462 MHz 26Tone_RU8							
2483.500	31.52	PK	H	32.19	63.71	74.00	10.29
2483.500	15.35	AV	H	32.19	47.54	54.00	6.46
2483.500	27.66	PK	V	32.19	59.85	74.00	14.15
2483.500	15.28	AV	V	32.19	47.47	54.00	6.53
Low Channel: 2462 MHz 242Tone_RU61							
2483.500	35.84	PK	H	32.19	68.03	74.00	5.97
2483.500	14.99	AV	H	32.19	47.18	54.00	6.82
2483.500	37.19	PK	V	32.19	69.38	74.00	4.62
2483.500	16.13	AV	V	32.19	48.32	54.00	5.68
4924.000	38.50	PK	H	11.67	50.17	74.00	23.83
4924.000	24.64	AV	H	11.67	36.31	54.00	17.69
4924.000	39.09	PK	V	11.67	50.76	74.00	23.24
4924.000	25.21	AV	V	11.67	36.88	54.00	17.12

802.11ax 40 Mode:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel:				2422	MHz	26Tone_RU0	
2390.000	46.10	PK	H	3.73	49.83	74.00	24.17
2390.000	34.84	AV	H	3.73	38.57	54.00	15.43
2390.000	46.23	PK	V	3.73	49.96	74.00	24.04
2390.000	34.51	AV	V	3.73	38.24	54.00	15.76
Low Channel:				2422	MHz	484Tone_RU65	
2390.000	30.90	PK	H	31.71	62.61	74.00	11.39
2390.000	15.92	AV	H	31.71	47.63	54.00	6.37
2390.000	29.36	PK	V	31.71	61.07	74.00	12.93
2390.000	15.60	AV	V	31.71	47.31	54.00	6.69
4844.000	36.41	PK	H	11.31	47.72	74.00	26.28
4844.000	23.95	AV	H	11.31	35.26	54.00	18.74
4844.000	37.10	PK	V	11.31	48.41	74.00	25.59
4844.000	24.16	AV	V	11.31	35.47	54.00	18.53
Middle Channel:				2437	MHz	484Tone_RU65	
4874.000	37.48	PK	H	11.45	48.93	74.00	25.07
4874.000	24.26	AV	H	11.45	35.71	54.00	18.29
4874.000	38.03	PK	V	11.45	49.48	74.00	24.52
4874.000	25.24	AV	V	11.45	36.69	54.00	17.31
High Channel:				2452	MHz	26Tone_RU17	
2483.500	38.12	PK	H	32.19	70.31	74.00	3.69
2483.500	15.70	AV	H	32.19	47.89	54.00	6.11
2483.500	36.75	PK	V	32.19	68.94	74.00	5.06
2483.500	15.25	AV	V	32.19	47.44	54.00	6.56
Low Channel:				252	MHz	484Tone_RU65	
2483.500	35.98	PK	H	32.19	68.17	74.00	5.83
2483.500	15.72	AV	H	32.19	47.91	54.00	6.09
2483.500	36.29	PK	V	32.19	68.48	74.00	5.52
2483.500	17.20	AV	V	32.19	49.39	54.00	4.61
4904.000	38.11	PK	H	11.58	49.69	74.00	24.31
4904.000	24.37	AV	H	11.58	35.95	54.00	18.05
4904.000	38.38	PK	V	11.58	49.96	74.00	24.04
4904.000	25.53	AV	V	11.58	37.11	54.00	16.89

Listed with the worst harmonic margin test plot
Chain 0: 802.11b Mode Middle Channel

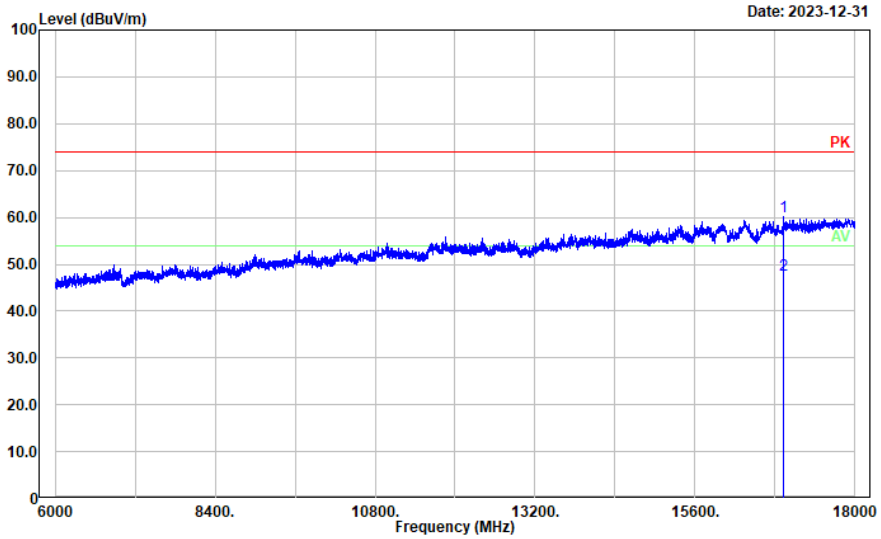
Horizontal	
1-6GHz	

No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	4874.000	42.27	11.45	53.72	74.00	20.28	Peak
2	4874.000	36.42	11.45	47.87	54.00	6.13	Average

Horizontal

6-18GHz

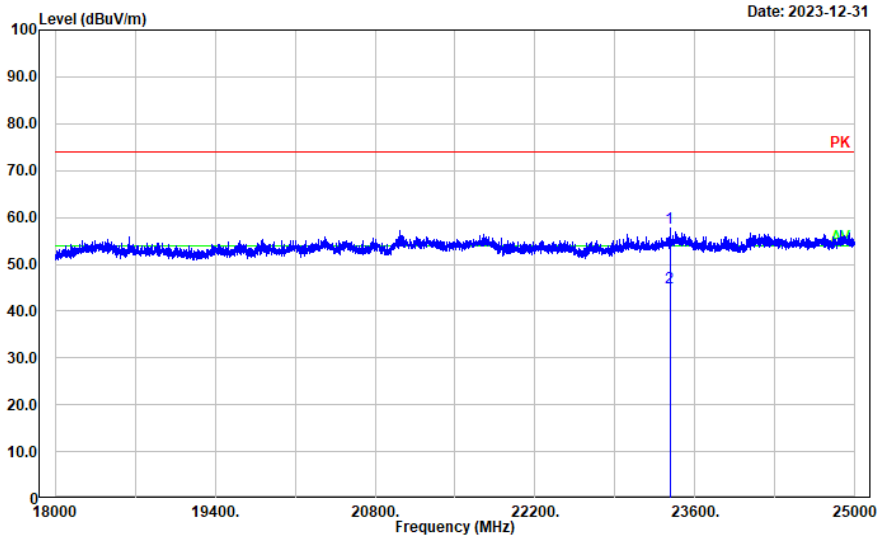
Project No.: CR231273520-RF
Tester: Coco Tian
Polarization: horizontal
Note: 802.11b Mode Chain 0



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	16927.200	32.36	27.77	60.13	74.00	13.87	Peak
2	16927.200	19.92	27.77	47.69	54.00	6.31	Average

Horizontal	
18-25GHz	

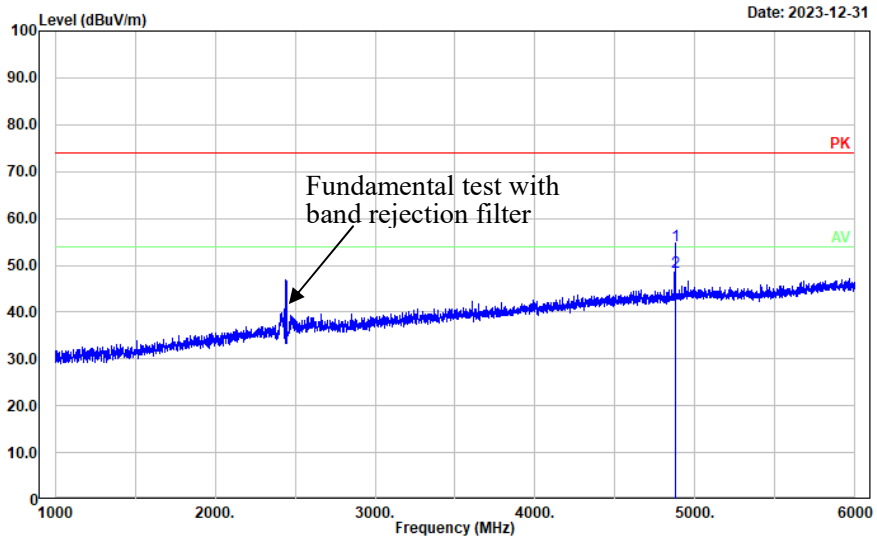
Project No.: CR231273520-RF
Tester: Coco Tian
Polarization: Horizontal
Note: 802.11b Mode Chain 0



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	23378.800	52.24	5.40	57.64	74.00	16.36	Peak
2	23378.800	39.67	5.40	45.07	54.00	8.93	Average

Vertical	
1-6GHz	

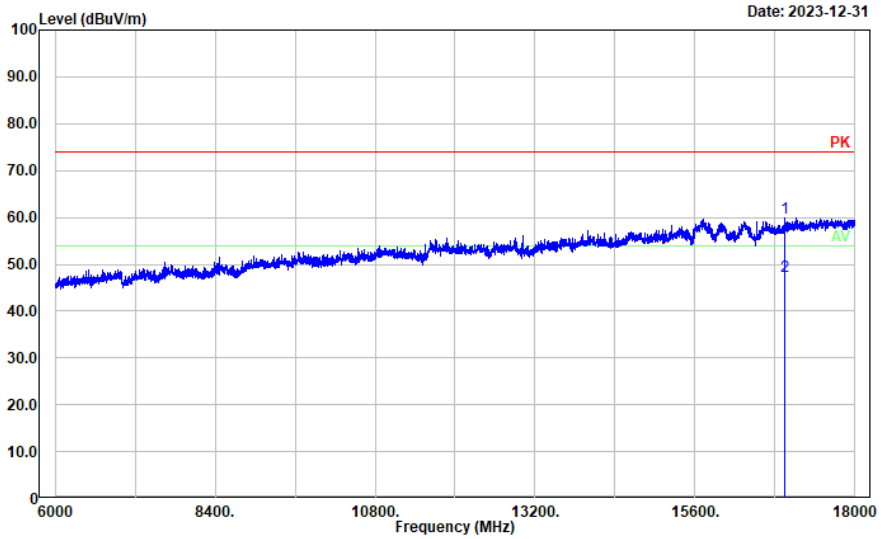
Project No.: CR231273520-RF
Tester: Coco Tian
Polarization: vertical
Note: 802.11b Mode Chain 0



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	4874.000	42.83	11.45	54.28	74.00	19.72	Peak
2	4874.000	36.94	11.45	48.39	54.00	5.61	Average

Vertical	
6-18GHz	

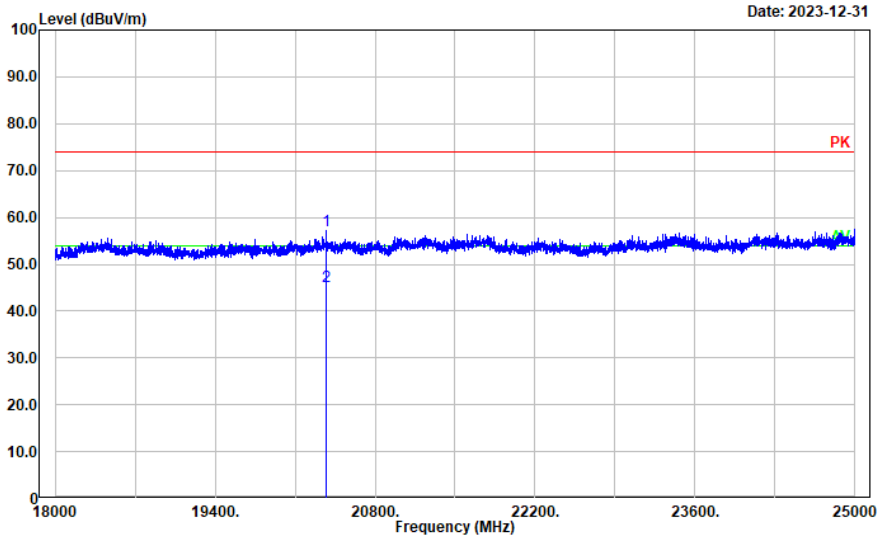
Project No.: CR231273520-RF
Tester: Coco Tian
Polarization: vertical
Note: 802.11b Mode Chain 0



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	16951.200	32.06	27.87	59.93	74.00	14.07	Peak
2	16951.200	19.59	27.87	47.46	54.00	6.54	Average

Vertical	
18-25GHz	

Project No.: CR231273520-RF
Tester: Coco Tian
Polarization: Vertical
Note: 802.11b Mode Chain 0



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	20375.800	52.54	4.66	57.20	74.00	16.80	Peak
2	20375.800	40.61	4.66	45.27	54.00	8.73	Average

4.3 Minimum 6 dB Emission Bandwidth

Serial Number:	2EXR-1	Test Date:	2024/3/8
Test Site:	RF	Test Mode:	Transmitting
Tester:	Len Huang	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	26.5	Relative Humidity: (%)	52	ATM Pressure: (kPa)	100.2

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	N/A
R&S	Spectrum Analyzer	FSV40-N	102259	2023/4/18	2024/4/17

** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:

Test Modes	Test Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)
802.11b	2412	7.08	0.5
	2437	7.08	0.5
	2462	7.56	0.5
802.11g	2412	16.56	0.5
	2437	16.56	0.5
	2462	16.60	0.5
802.11n ht20	2412	17.80	0.5
	2437	17.80	0.5
	2462	17.84	0.5
802.11n ht40	2422	36.40	0.5
	2437	36.08	0.5
	2452	36.40	0.5
802.11ax20 (242Tone_RU61)	2412	19.12	0.5
	2437	15.04	0.5
	2462	19.12	0.5
802.11ax40 (484Tone_RU65)	2422	38.16	0.5
	2437	25.92	0.5
	2452	20.48	0.5
Note: Test only was performed at Chain 0.			

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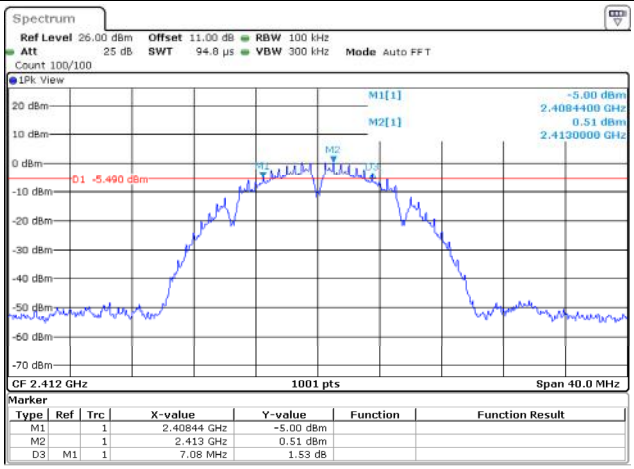
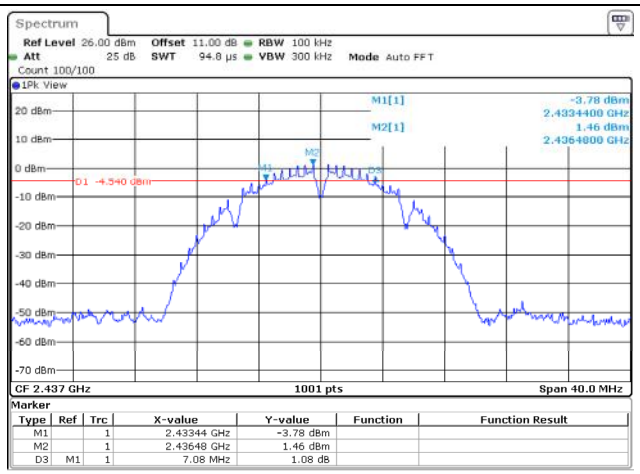
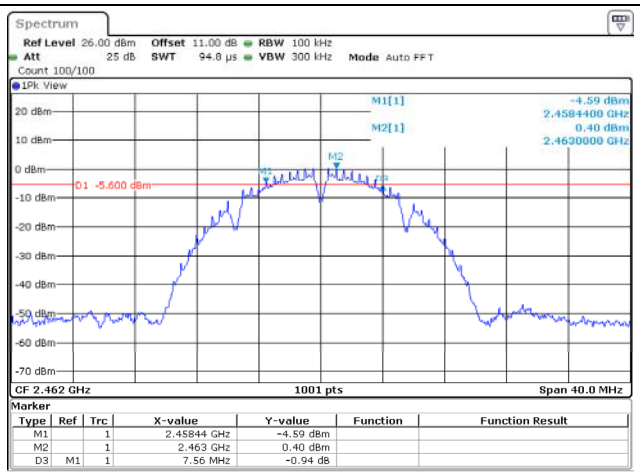
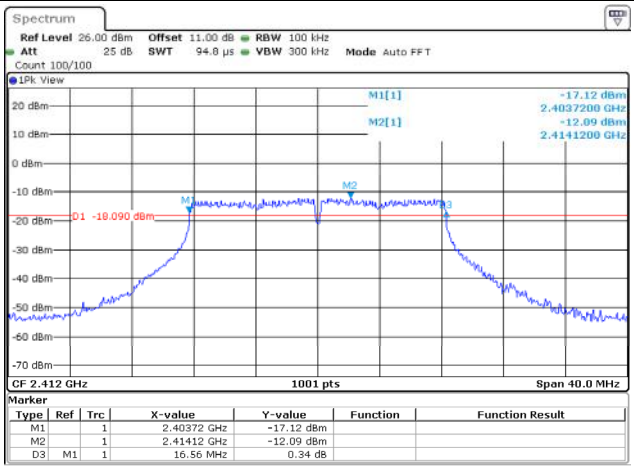
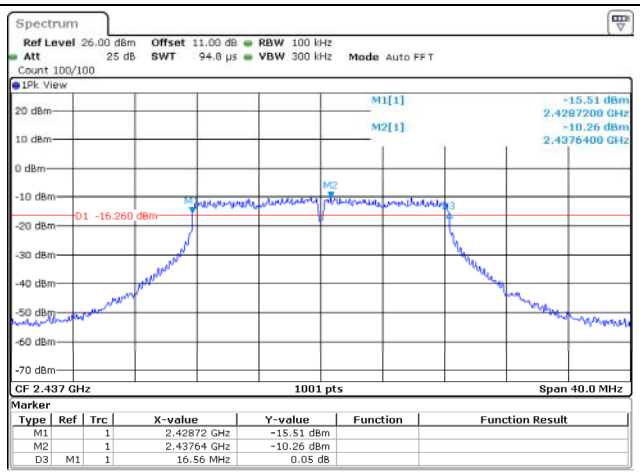
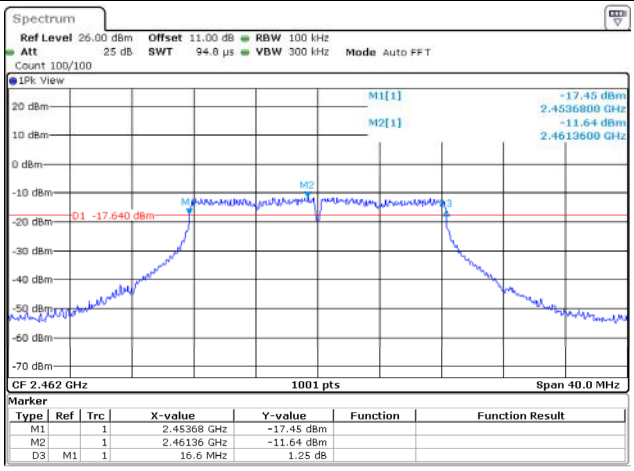
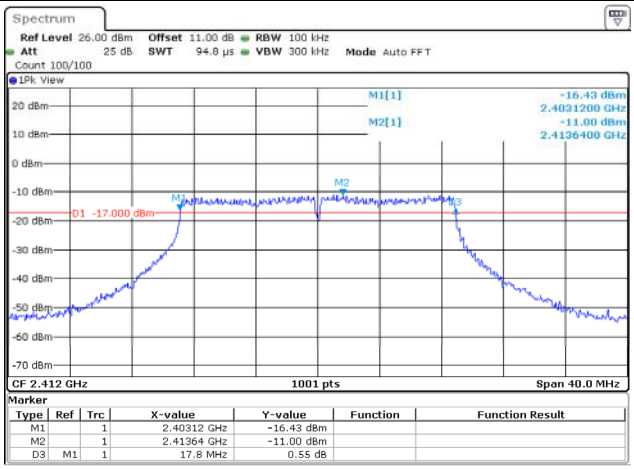
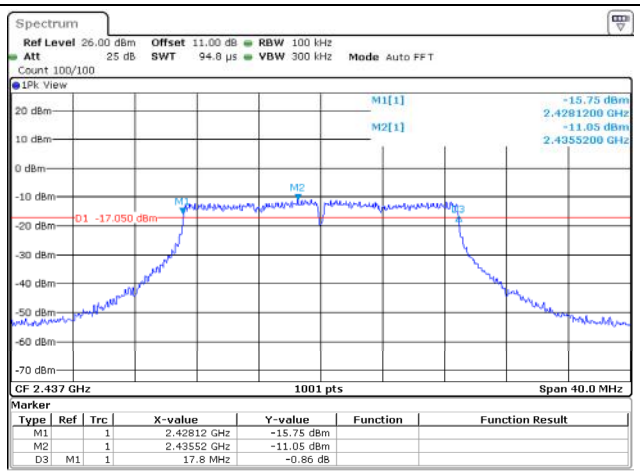
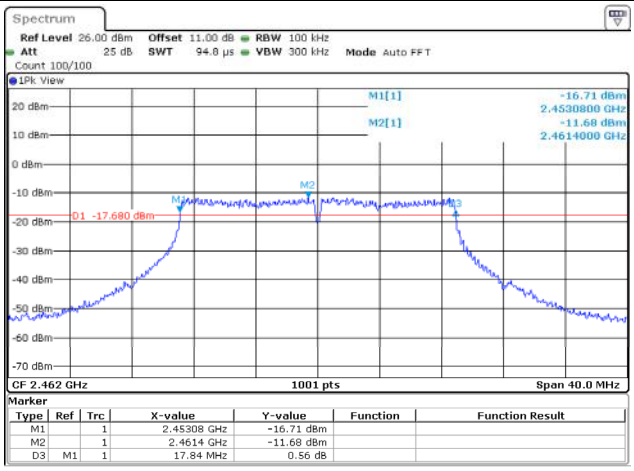
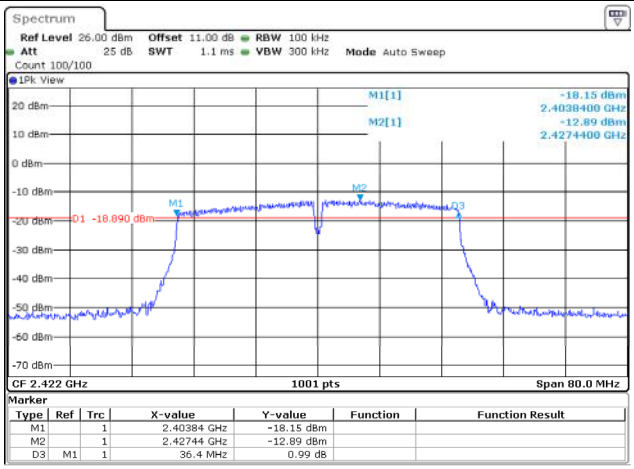
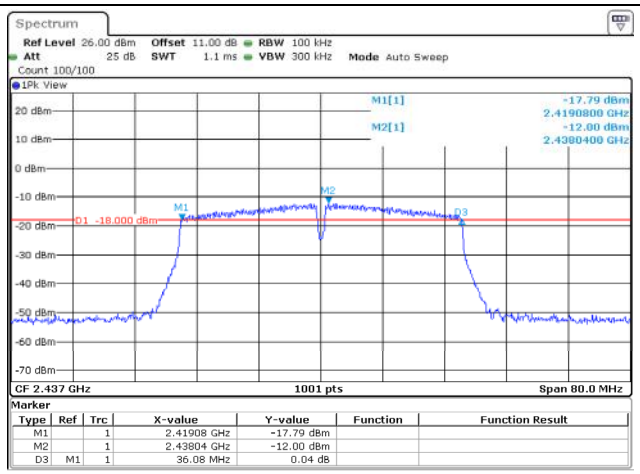
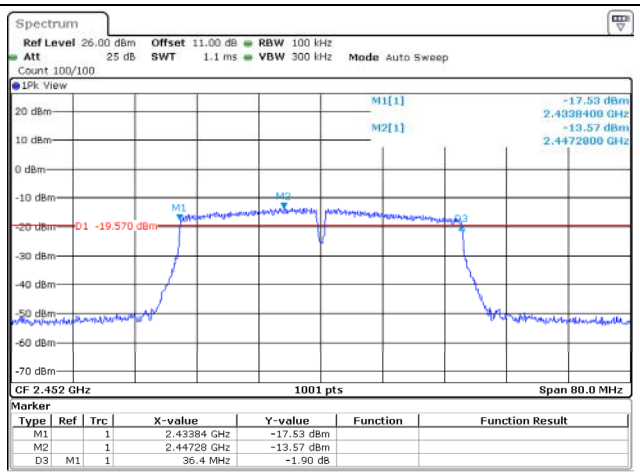
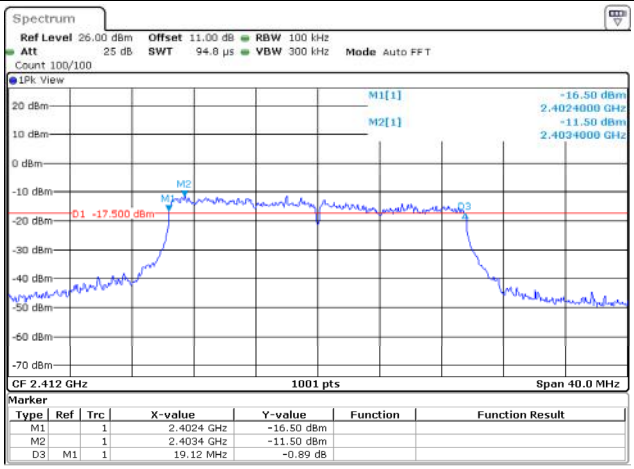
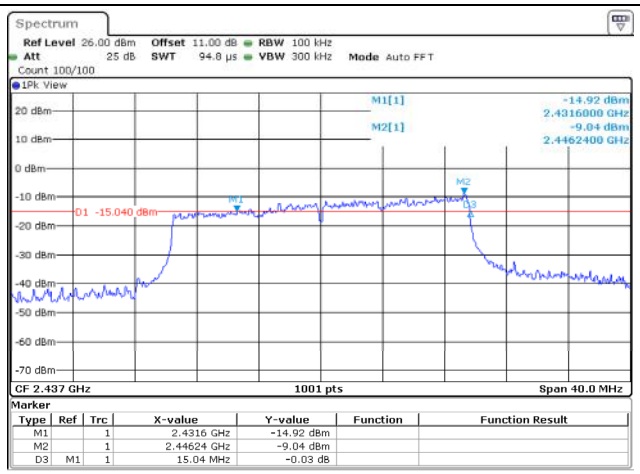
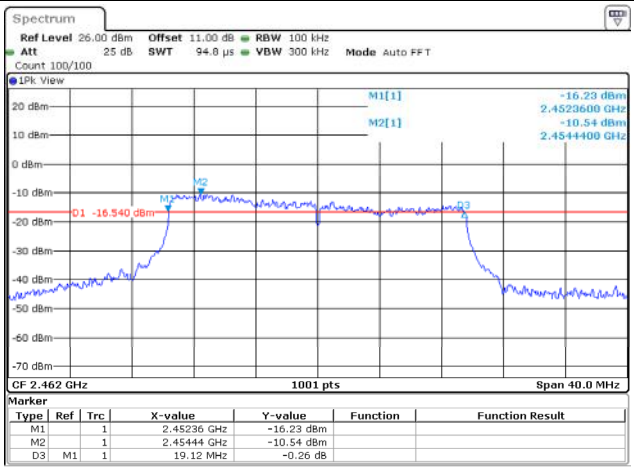
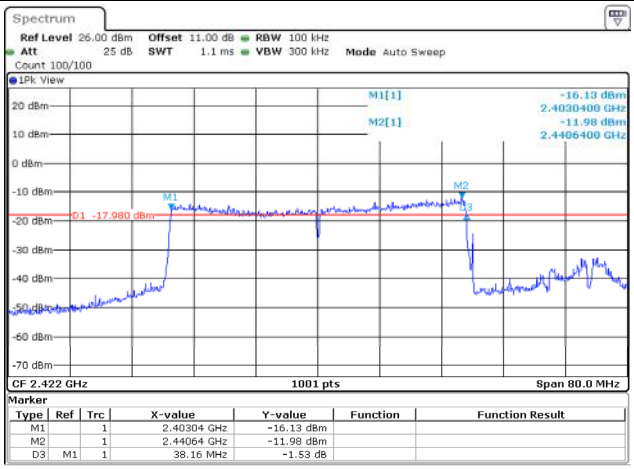
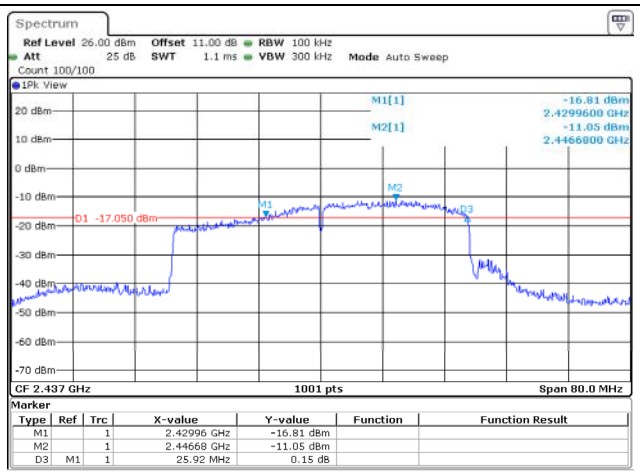
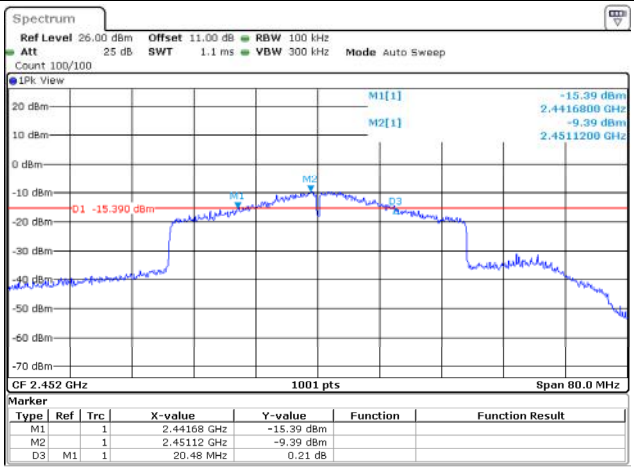
6dB Emission Bandwidth	
802.11b Lowest Channel	
802.11b Middle Channel	
802.11b Highest Channel	

6dB Emission Bandwidth	
802.11g Lowest Channel	
802.11g Middle Channel	
802.11g Highest Channel	

6dB Emission Bandwidth	
802.11n ht20 Lowest Channel	
802.11n ht20 Middle Channel	
802.11n ht20 Highest Channel	

6dB Emission Bandwidth	
802.11n ht40 Lowest Channel	
802.11n ht40 Middle Channel	
802.11n ht40 Highest Channel	

6dB Emission Bandwidth	
802.11 ax hew20 Lowest Channel	
802.11 ax hew20 Middle Channel	
802.11 ax hew20 Highest Channel	

6dB Emission Bandwidth	
802.11ax hew40 Lowest Channel	
802.11 ax hew40 Middle Channel	
802.11 ax hew40 Highest Channel	

4.4 99% Occupied Bandwidth

Serial Number:	2EXR-1	Test Date:	2024/3/8
Test Site:	RF	Test Mode:	Transmitting
Tester:	Len Huang	Test Result:	N/A

Environmental Conditions:					
Temperature: (℃)	26.5	Relative Humidity: (%)	52	ATM Pressure: (kPa)	100.2

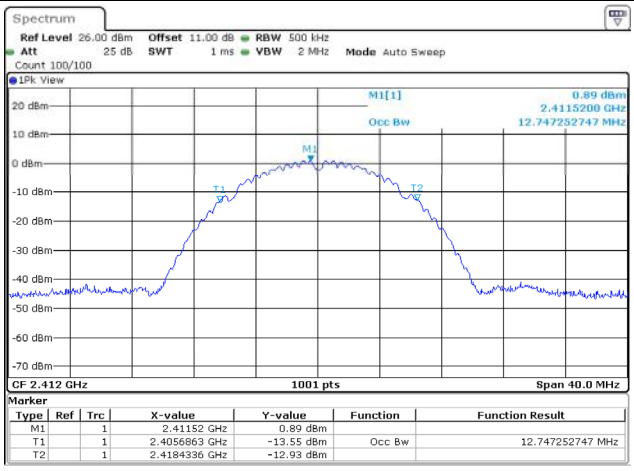
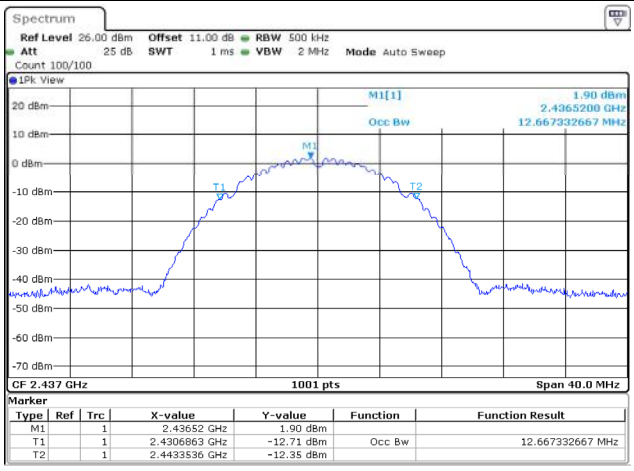
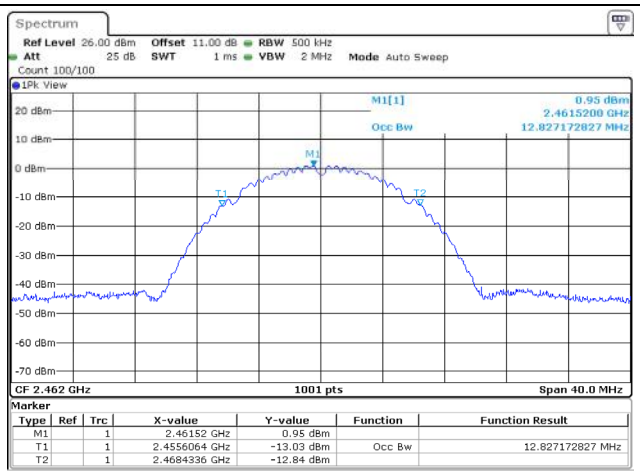
Test Equipment List and Details:

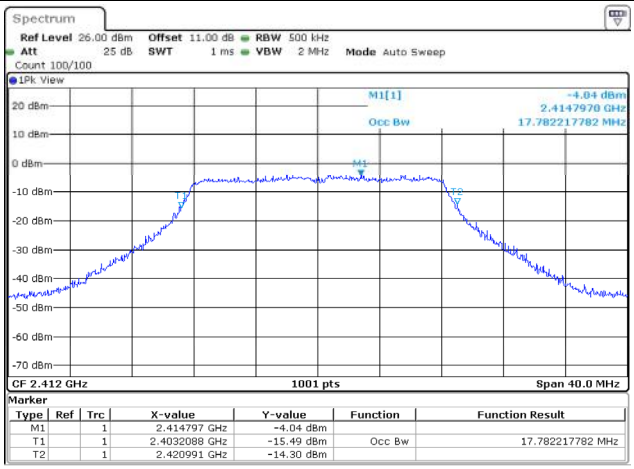
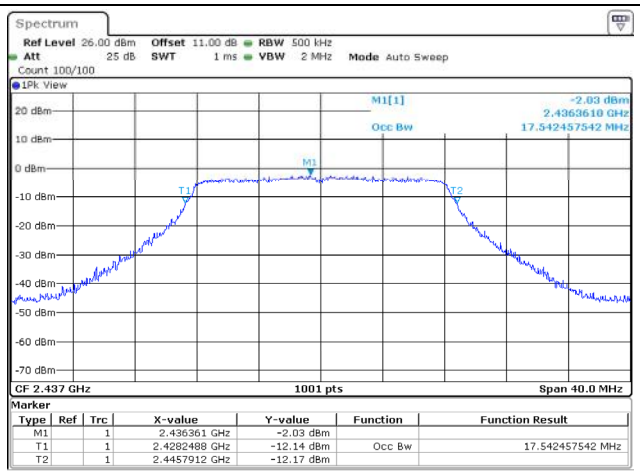
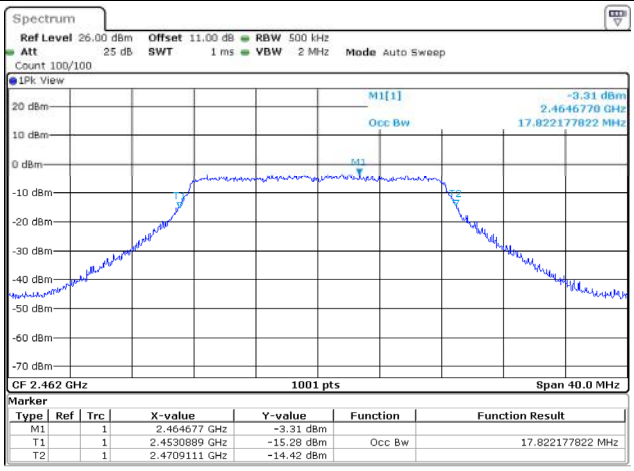
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	N/A
R&S	Spectrum Analyzer	FSV40-N	102259	2023/4/18	2024/4/17

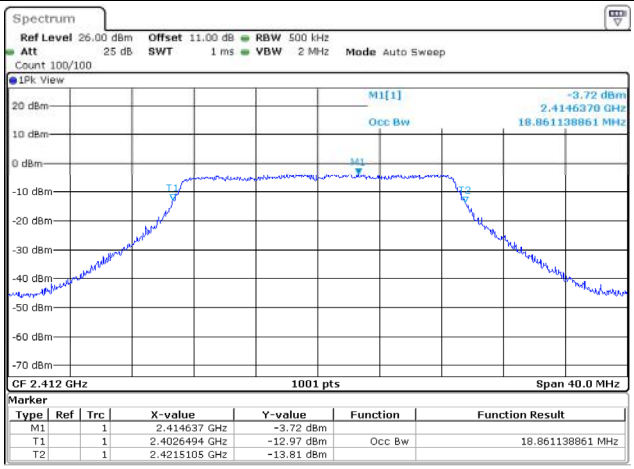
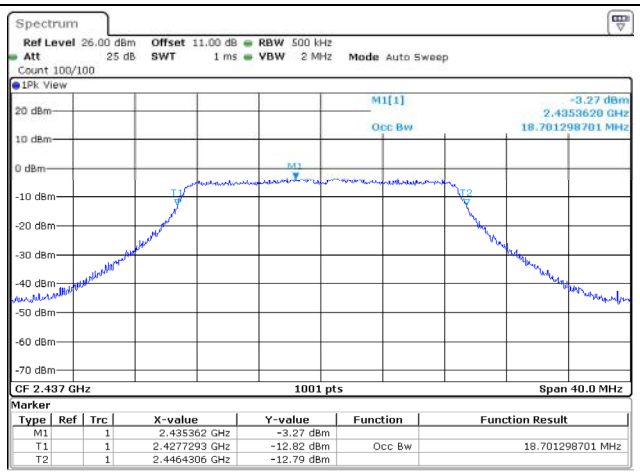
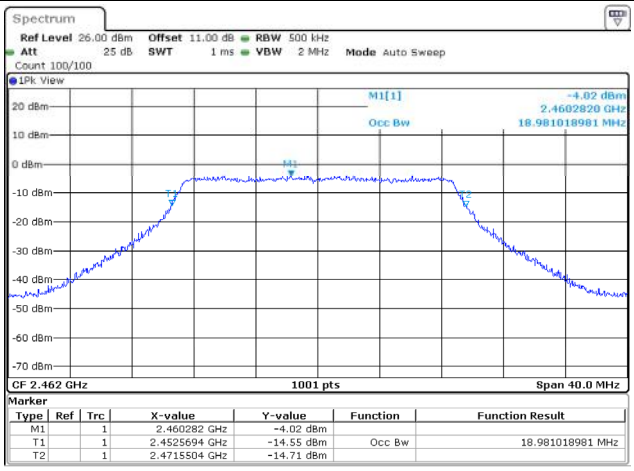
** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

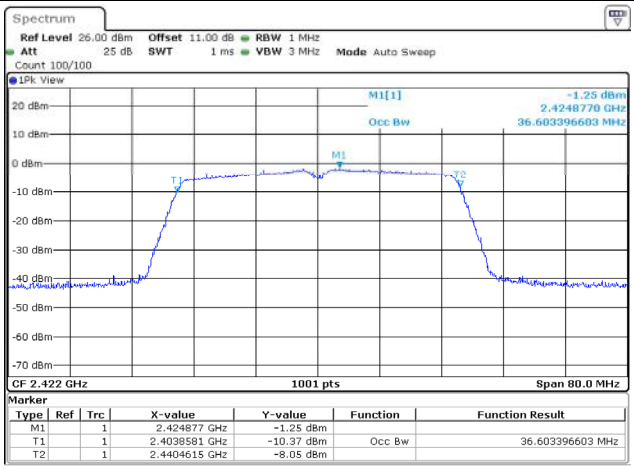
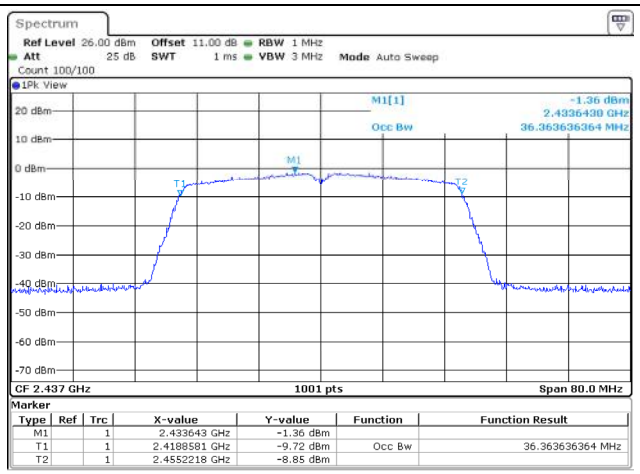
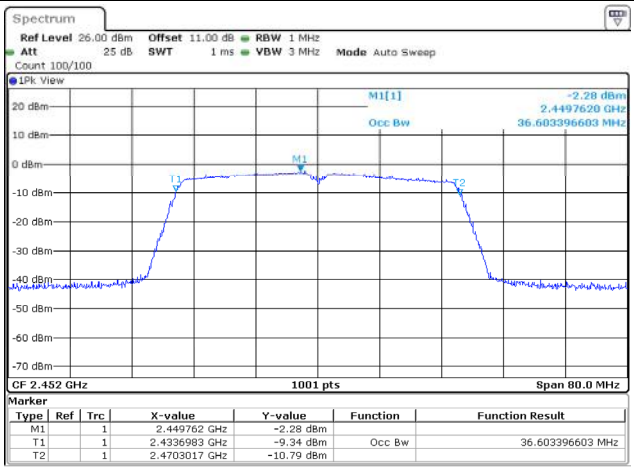
Test Data:

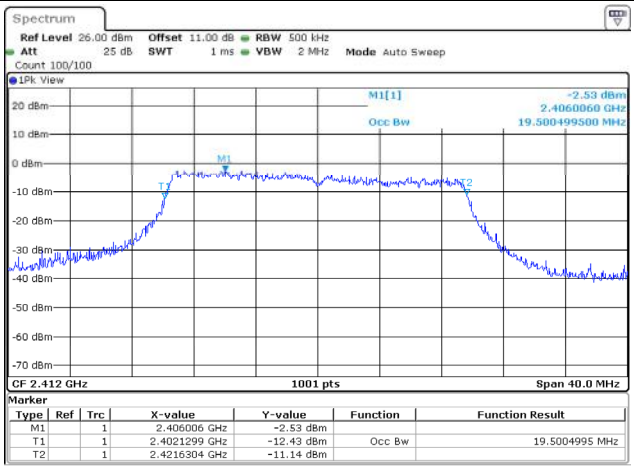
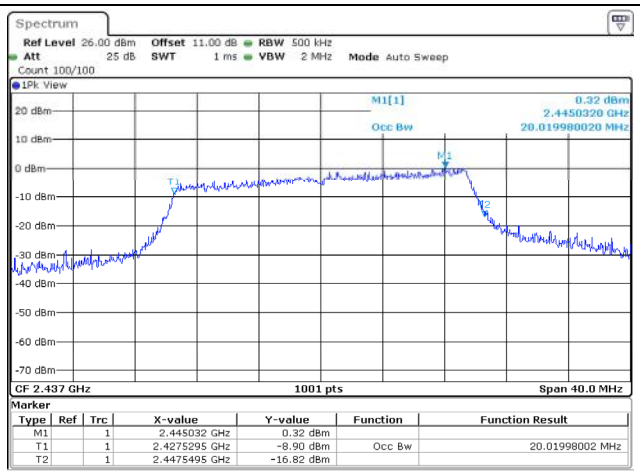
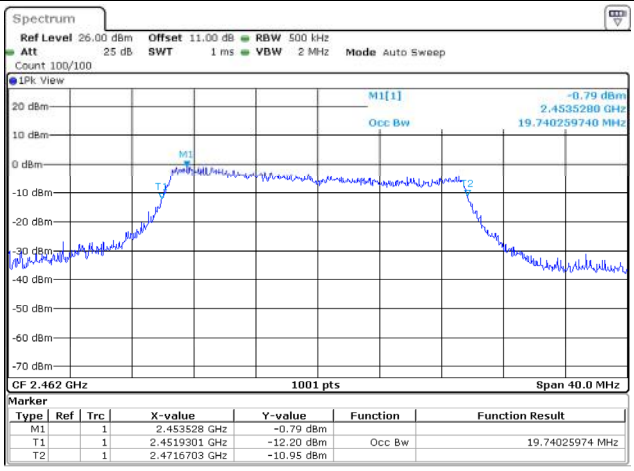
Test Modes	Test Channel	Test Frequency (MHz)	99% Occupied Bandwidth (MHz)
802.11b	Lowest	2412	12.747
	Middle	2437	12.667
	Highest	2462	12.827
802.11g	Lowest	2412	17.782
	Middle	2437	17.542
	Highest	2462	17.822
802.11n ht20	Lowest	2412	18.861
	Middle	2437	18.701
	Highest	2462	18.981
802.11n ht40	Lowest	2422	36.603
	Middle	2437	36.364
	Highest	2452	36.603
802.11ax20 (242Tone_RU61)	Lowest	2412	19.500
	Middle	2437	20.020
	Highest	2462	19.740
802.11ax40 (484Tone_RU65)	Lowest	2422	38.362
	Middle	2437	37.642
	Highest	2452	37.403
Note: Test only was performed at Chain 0.			

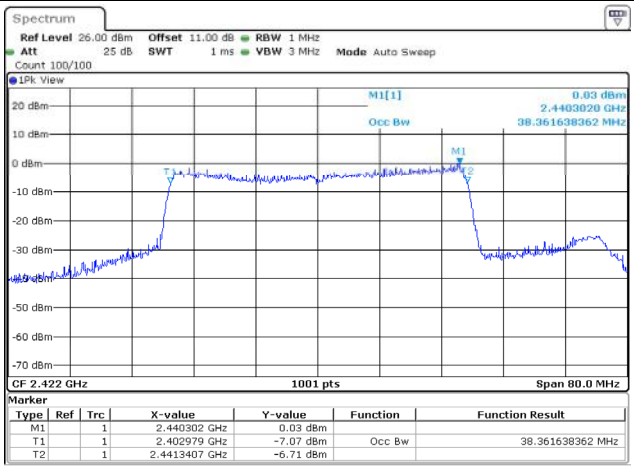
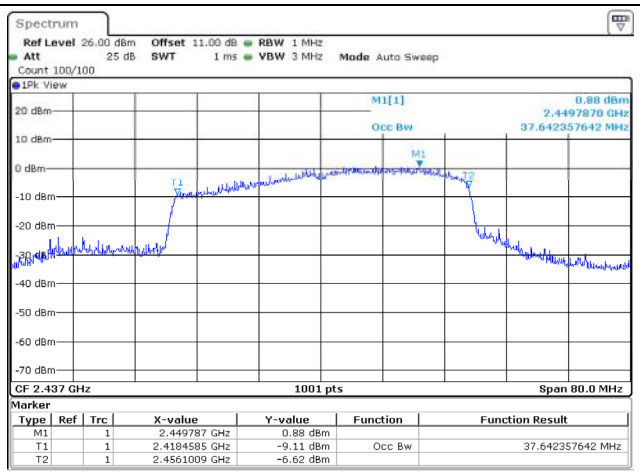
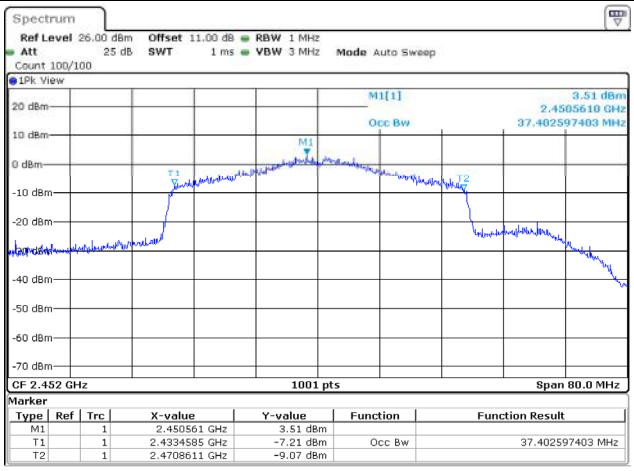
99% Occupied Bandwidth	
802.11b Lowest Channel	
802.11b Middle Channel	
802.11b Highest Channel	

99% Occupied Bandwidth	
802.11g Lowest Channel	
802.11g Middle Channel	
802.11g Highest Channel	

99% Occupied Bandwidth	
802.11n ht20 Lowest Channel	
802.11n ht20 Middle Channel	
802.11n ht20 Highest Channel	

99% Occupied Bandwidth	
802.11n ht40 Lowest Channel	
802.11n ht40 Middle Channel	
802.11n ht40 Highest Channel	

99% Occupied Bandwidth	
802.11 ax hew20 Lowest Channel	
802.11 ax hew20 Middle Channel	
802.11 ax hew20 Highest Channel	

99% Occupied Bandwidth	
802.11ax hew40 Lowest Channel	
802.11 ax hew40 Middle Channel	
802.11 ax hew40 Highest Channel	

4.5 Maximum Conducted Output Power

Serial Number:	2EXR-1	Test Date:	2024/12/18
Test Site:	RF	Test Mode:	Transmitting
Tester:	Rod Luo, Len Huang	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	24	Relative Humidity: (%)	42	ATM Pressure: (kPa)	101.5

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Anritsu	Power Meter	ML2495A	1106009	2023/8/4	2024/8/3
Anritsu	Pulse Power Sensor	MA2411A	10780	2023/8/4	2024/8/3
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	N/A

** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:

Test Modes	Test Frequency (MHz)	Maximum Conducted Peak Output Power (dBm)			Limit (dBm)
		Chain 0	Chain 1	Total	
802.11b	2412	10.79	10.41	/	≤30.00
	2437	11.72	11.10	/	≤30.00
	2462	11.01	10.59	/	≤30.00
802.11g	2412	10.67	9.98	/	≤30.00
	2437	11.33	10.73	/	≤30.00
	2462	10.25	9.70	/	≤30.00
802.11n ht20	2412	10.67	10.06	13.39	≤30.00
	2437	11.17	10.82	14.01	≤30.00
	2462	10.29	9.65	12.99	≤30.00
802.11n ht40	2422	11.28	10.64	13.98	≤30.00
	2437	11.36	10.88	**14.14**	≤30.00
	2452	10.53	10.03	13.30	≤30.00

Note: The device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices:
Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$

Antenna Gain:	-2.25	dBi	Directional gain:	-2.25	dBi

Test Mode	Antenna	Frequency[MHz]	Ru Size	Ru Index	Peak Power [dBm]	Limit [dBm]
11AX20MIMO	CH0	2412	26Tone	RU0	9.20	≤30.00
			52Tone	RU37	10.23	≤30.00
			106Tone	RU53	10.16	≤30.00
			242Tone	RU61	10.25	≤30.00
	CH1	2412	26Tone	RU0	9.04	≤30.00
			52Tone	RU37	10.33	≤30.00
			106Tone	RU53	10.01	≤30.00
			242Tone	RU61	10.55	≤30.00
	total	2412	26Tone	RU0	12.13	≤30.00
			52Tone	RU37	13.29	≤30.00
			106Tone	RU53	13.10	≤30.00
			242Tone	RU61	13.41	≤30.00
	CH0	2437	26Tone	RU0	10.82	≤30.00
			52Tone	RU37	10.22	≤30.00
			106Tone	RU53	10.36	≤30.00
			242Tone	RU61	10.72	≤30.00
	CH1	2437	26Tone	RU0	10.51	≤30.00
			52Tone	RU37	10.54	≤30.00
			106Tone	RU53	10.19	≤30.00
			242Tone	RU61	11.27	≤30.00
	total	2437	26Tone	RU0	13.68	≤30.00
			52Tone	RU37	13.39	≤30.00
			106Tone	RU53	13.29	≤30.00
			242Tone	RU61	14.01	≤30.00
	CH0	2462	26Tone	RU8	11.01	≤30.00
			52Tone	RU40	11.02	≤30.00
			106Tone	RU54	10.79	≤30.00
			242Tone	RU61	10.22	≤30.00
	CH1	2462	26Tone	RU8	11.42	≤30.00
			52Tone	RU40	11.16	≤30.00
			106Tone	RU54	10.67	≤30.00
			242Tone	RU61	10.66	≤30.00
	total	2462	26Tone	RU8	14.23	≤30.00
			52Tone	RU40	14.10	≤30.00
			106Tone	RU54	13.74	≤30.00
			242Tone	RU61	13.46	≤30.00
11AX40MIMO	CH0	2422	26Tone	RU0	9.68	≤30.00
			52Tone	RU37	10.08	≤30.00
			106Tone	RU53	10.38	≤30.00
			242Tone	RU61	10.61	≤30.00

			484Tone	RU65	10.60	≤30.00
	CH1	2422	26Tone	RU0	9.26	≤30.00
			52Tone	RU37	10.02	≤30.00
			106Tone	RU53	10.33	≤30.00
			242Tone	RU61	10.20	≤30.00
			484Tone	RU65	10.61	≤30.00
	total	2422	26Tone	RU0	12.49	≤30.00
			52Tone	RU37	13.06	≤30.00
			106Tone	RU53	13.37	≤30.00
			242Tone	RU61	13.42	≤30.00
			484Tone	RU65	13.62	≤30.00
	CH0	2437	26Tone	RU0	9.26	≤30.00
			52Tone	RU37	10.21	≤30.00
			106Tone	RU53	9.89	≤30.00
			242Tone	RU61	11.38	≤30.00
			484Tone	RU65	11.19	≤30.00
	CH1	2437	26Tone	RU0	9.61	≤30.00
			52Tone	RU37	10.19	≤30.00
			106Tone	RU53	9.67	≤30.00
			242Tone	RU61	10.95	≤30.00
			484Tone	RU65	11.38	≤30.00
	total	2437	26Tone	RU0	12.45	≤30.00
			52Tone	RU37	13.21	≤30.00
			106Tone	RU53	12.79	≤30.00
			242Tone	RU61	14.18	≤30.00
			484Tone	RU65	14.30	≤30.00
	CH0	2452	26Tone	RU17	11.92	≤30.00
			52Tone	RU44	9.02	≤30.00
			106Tone	RU56	9.82	≤30.00
			242Tone	RU62	10.41	≤30.00
			484Tone	RU65	11.52	≤30.00
	CH1	2452	26Tone	RU17	11.98	≤30.00
			52Tone	RU44	9.04	≤30.00
			106Tone	RU56	9.81	≤30.00
			242Tone	RU62	10.37	≤30.00
			484Tone	RU65	11.41	≤30.00
	total	2452	26Tone	RU17	**14.96**	≤30.00
			52Tone	RU44	12.04	≤30.00
			106Tone	RU56	12.83	≤30.00
			242Tone	RU62	13.40	≤30.00
			484Tone	RU65	14.48	≤30.00

4.6 Maximum Power Spectral Density

Serial Number:	2EXR-1	Test Date:	2024/3/8
Test Site:	RF	Test Mode:	Transmitting
Tester:	Len Huang	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	26.5	Relative Humidity: (%)	52	ATM Pressure: (kPa)	100.2

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	N/A
R&S	Spectrum Analyzer	FSV40-N	102259	2023/4/18	2024/4/17
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A

** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

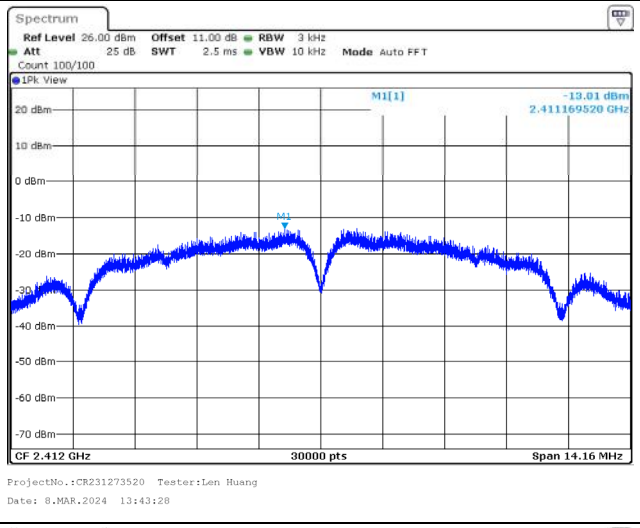
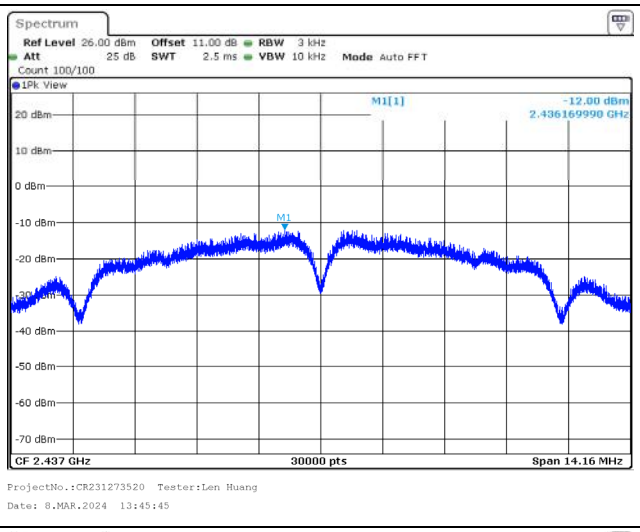
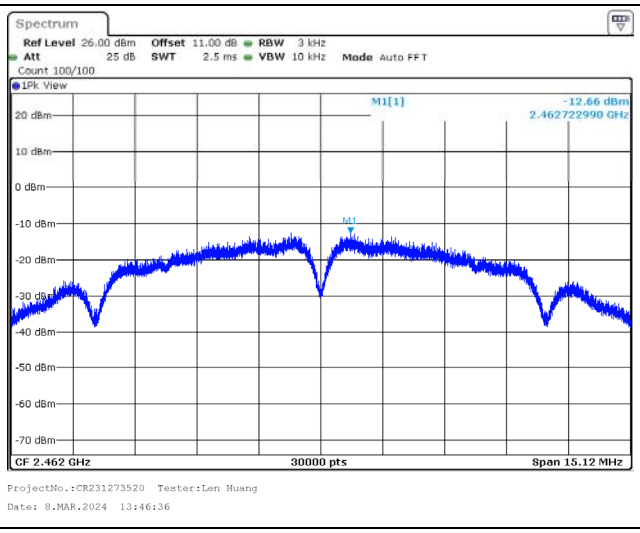
Test Data:

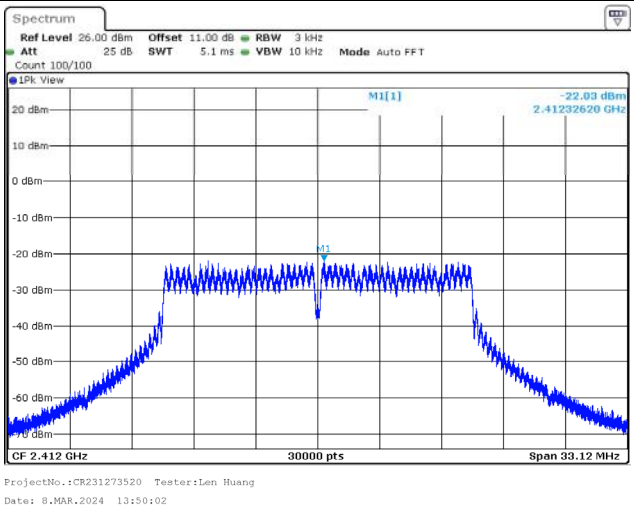
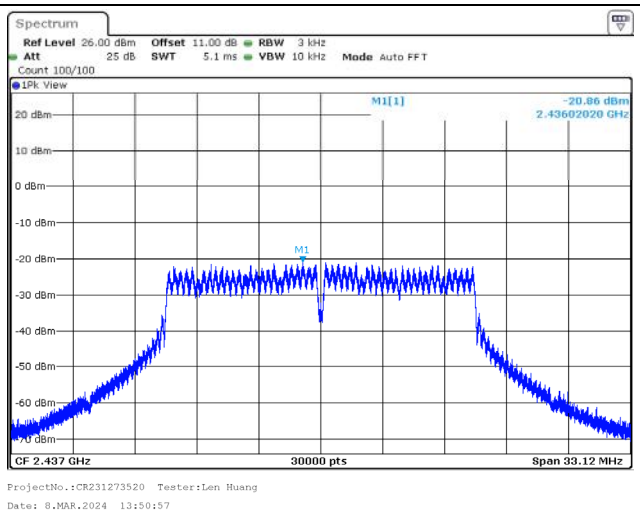
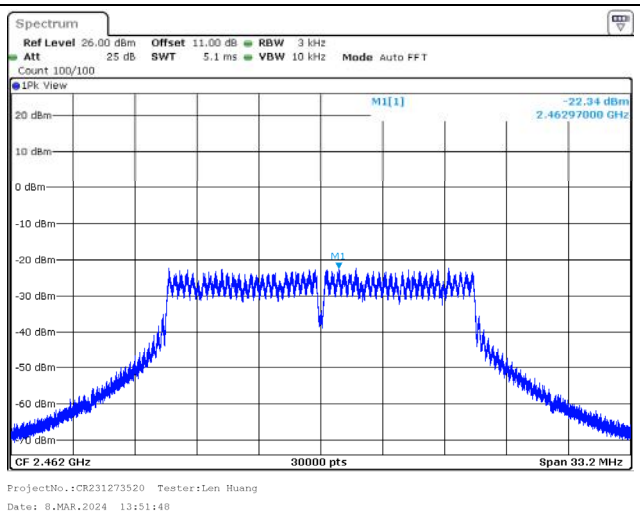
Test Modes	Test Frequency (MHz)	Reading(dBm/3kHz)		Maximum Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)
		Chain 0	Chain 1		
802.11b	2412	-13.01	-13.33	/	≤8.00
	2437	-12.00	-12.45	/	≤8.00
	2462	-12.66	-13.25	/	≤8.00
802.11g	2412	-22.03	-22.60	/	≤8.00
	2437	-20.86	-21.34	/	≤8.00
	2462	-22.34	-21.98	-21.98	≤8.00
802.11n ht20	2412	-21.58	-21.77	-18.66	≤8.00
	2437	-21.11	-21.20	-18.14	≤8.00
	2462	-22.38	-22.34	-19.35	≤8.00
802.11n ht40	2422	-22.58	-23.90	-20.18	≤8.00
	2437	-21.60	-22.70	-19.10	≤8.00
	2452	-24.64	-23.97	-21.28	≤8.00
Note: The device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power spectral density (PSD) measurements on the devices: Array Gain = 10 log(N_{ANT}/N_{SS}) dB					
Antenna Gain:	-2.25	dBi	Directional gain:	0.75	dBi

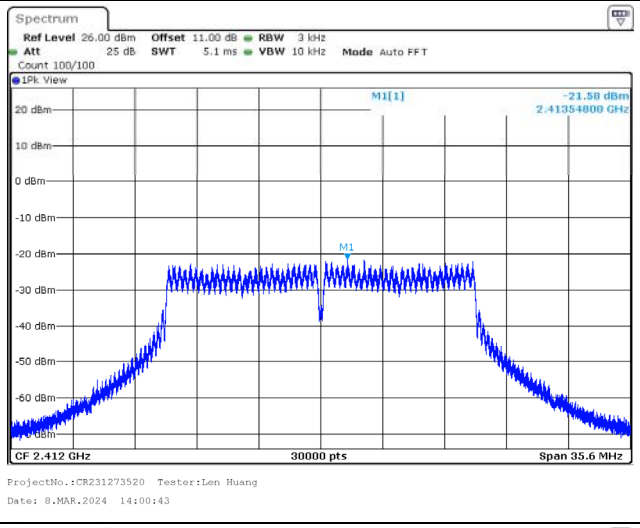
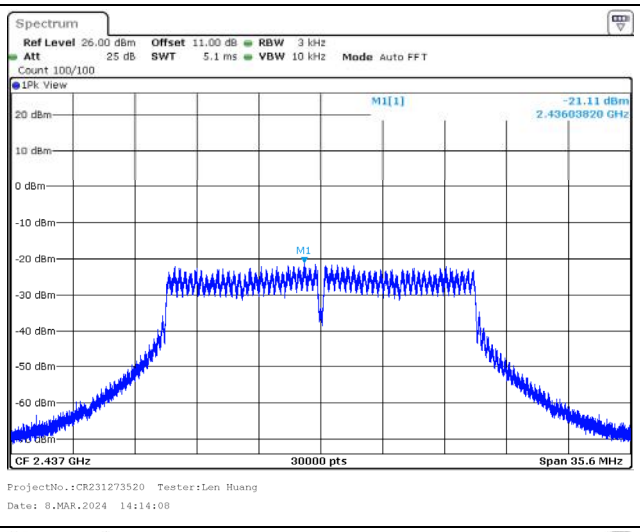
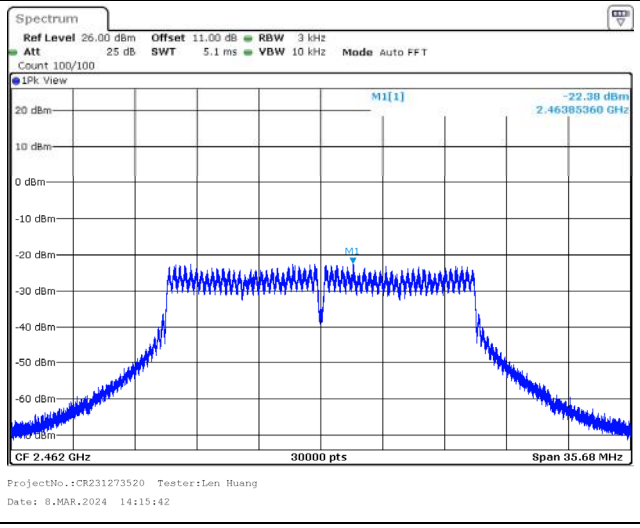
Test Mode	Antenna	Frequency[MHz]	RuSize	RuIndex	Result [dBm/3kHz]	Limit [dBm/3kHz]
11AX20MIMO	CH0	2412	26Tone	RU0	-12.45	≤8.00
			106Tone	RU53	-17.14	≤8.00
			242Tone	RU61	-22.83	≤8.00
	CH1	2412	26Tone	RU0	-12.36	≤8.00
			106Tone	RU53	-18.61	≤8.00
			242Tone	RU61	-22.52	≤8.00
	total	2412	26Tone	RU0	-9.39	≤8.00
			106Tone	RU53	-14.8	≤8.00
			242Tone	RU61	-19.66	≤8.00
	CH0	2437	26Tone	RU0	-13.29	≤8.00
			106Tone	RU53	-20.54	≤8.00
			242Tone	RU61	-20.81	≤8.00
	CH1	2437	26Tone	RU0	-12.4	≤8.00
			106Tone	RU53	-19.91	≤8.00
			242Tone	RU61	-20.88	≤8.00
	total	2437	26Tone	RU0	-9.81	≤8.00
			106Tone	RU53	-17.2	≤8.00
			242Tone	RU61	-17.83	≤8.00
	CH0	2462	26Tone	RU8	-11.78	≤8.00
			106Tone	RU54	-18.38	≤8.00
			242Tone	RU61	-22.31	≤8.00
	CH1	2462	26Tone	RU8	-11.55	≤8.00
			106Tone	RU54	-17.98	≤8.00
			242Tone	RU61	-21.49	≤8.00
	total	2462	26Tone	RU8	-8.65	≤8.00
			106Tone	RU54	-15.17	≤8.00
			242Tone	RU61	-18.87	≤8.00
11AX40MIMO	CH0	2422	26Tone	RU0	-11.96	≤8.00
			242Tone	RU61	-21.92	≤8.00
			484Tone	RU65	-25.57	≤8.00
	CH1	2422	26Tone	RU0	-12.22	≤8.00
			242Tone	RU61	-22.75	≤8.00
			484Tone	RU65	-25.33	≤8.00
	total	2422	26Tone	RU0	-9.08	≤8.00
			242Tone	RU61	-19.3	≤8.00
			484Tone	RU65	-22.44	≤8.00
	CH0	2437	26Tone	RU0	-14.08	≤8.00
			242Tone	RU61	-20.87	≤8.00
			484Tone	RU65	-21.23	≤8.00
	CH1	2437	26Tone	RU0	-14.57	≤8.00
			242Tone	RU61	-20.45	≤8.00

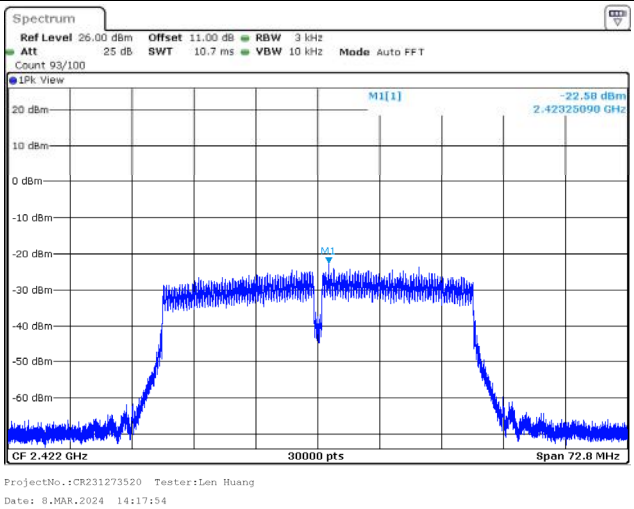
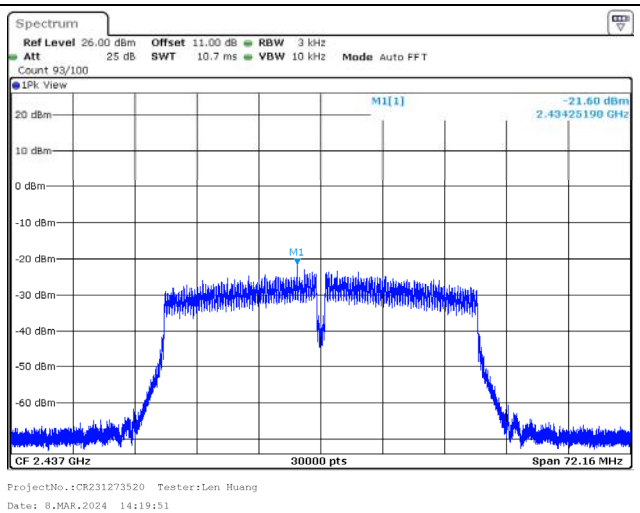
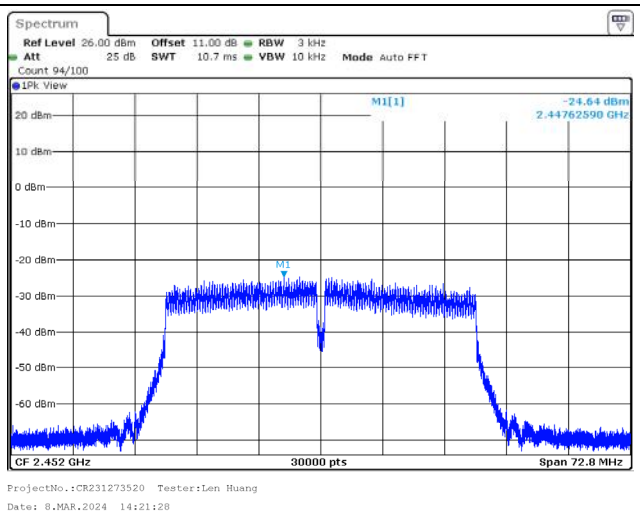
			484Tone	RU65	-23.98	≤8.00
	total	2437	26Tone	RU0	-11.31	≤8.00
			242Tone	RU61	-17.64	≤8.00
			484Tone	RU65	-19.38	≤8.00
	CH0	2452	26Tone	RU17	-9.13	≤8.00
			242Tone	RU62	-21.37	≤8.00
			484Tone	RU65	-21.37	≤8.00
	CH1	2452	26Tone	RU17	-8.87	≤8.00
			242Tone	RU62	-20.54	≤8.00
			484Tone	RU65	-19.62	≤8.00
	total	2452	26Tone	RU17	-5.99	≤8.00
			242Tone	RU62	-17.92	≤8.00
			484Tone	RU65	-17.4	≤8.00
Note: The device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power spectral density (PSD) measurements on the devices: Array Gain = 10 log(N_{ANT}/N_{SS}) dB						
Antenna Gain:	-2.25	dBi	Directional gain:		0.75	dBi

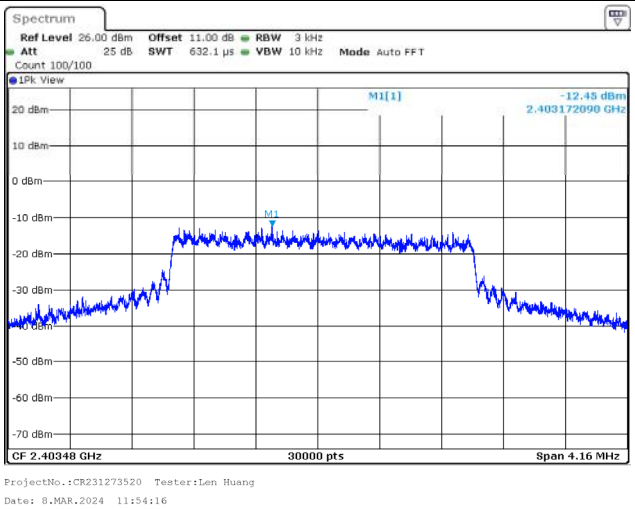
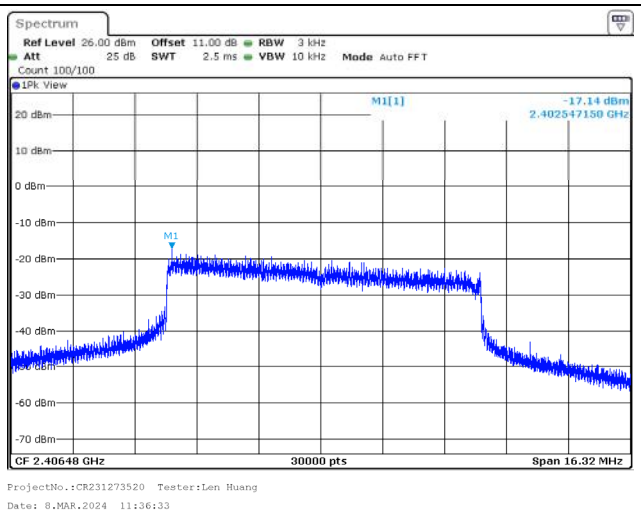
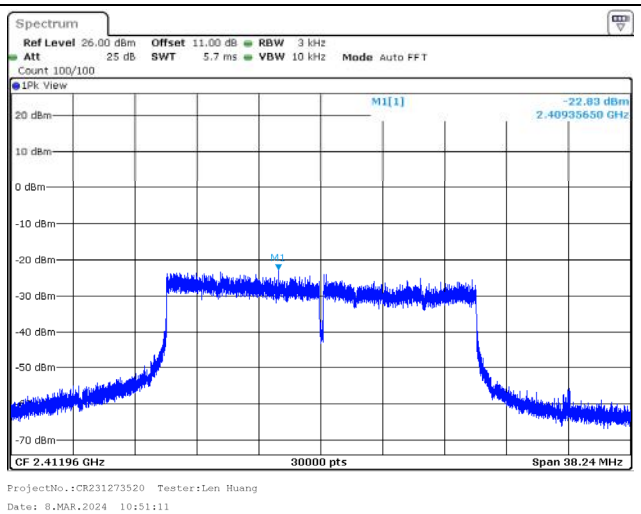
Chain 0

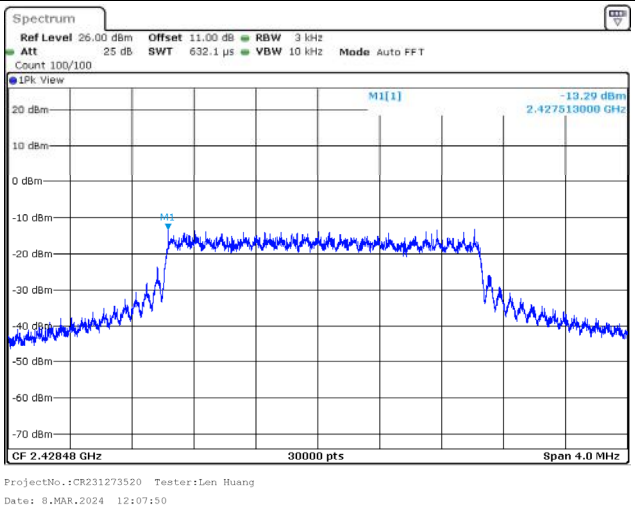
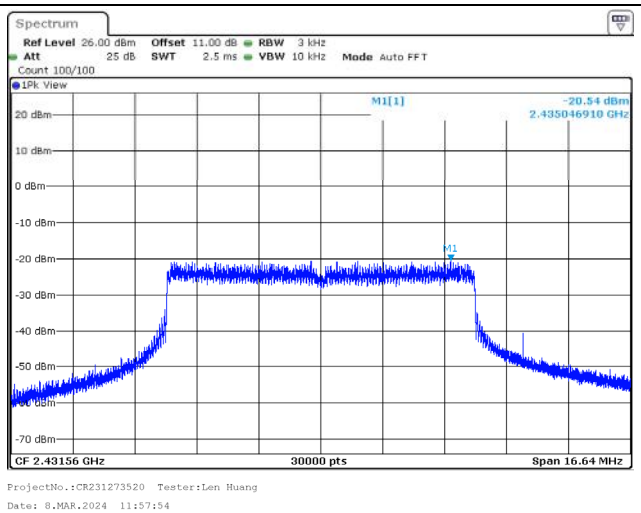
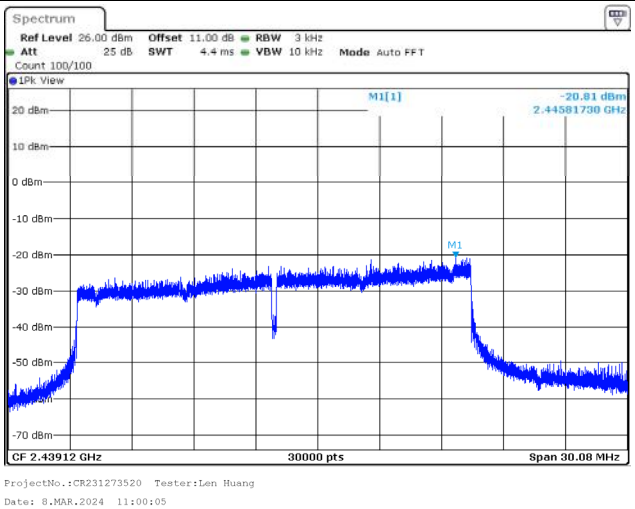
Maximum power spectral density	
802.11b Lowest Channel	
802.11b Middle Channel	
802.11b Highest Channel	

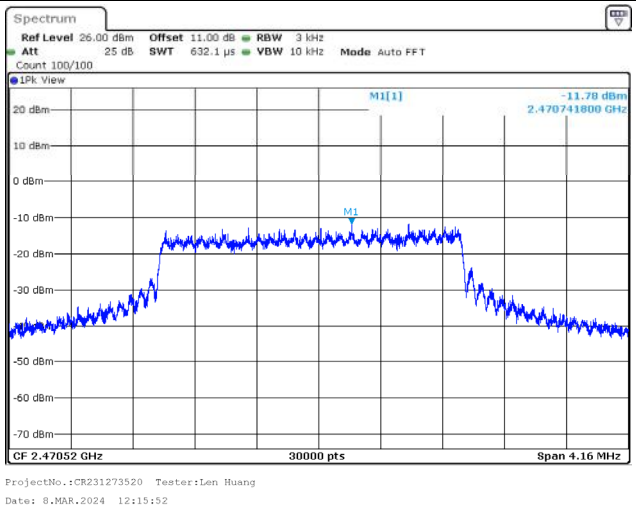
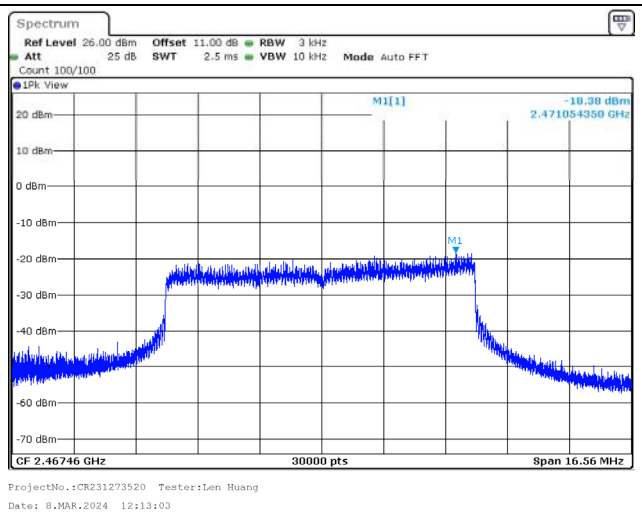
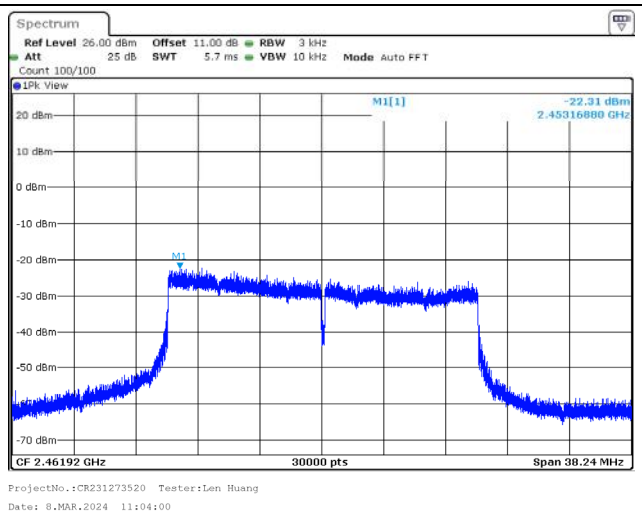
Maximum power spectral density	
802.11g Lowest Channel	
802.11g Middle Channel	
802.11g Highest Channel	

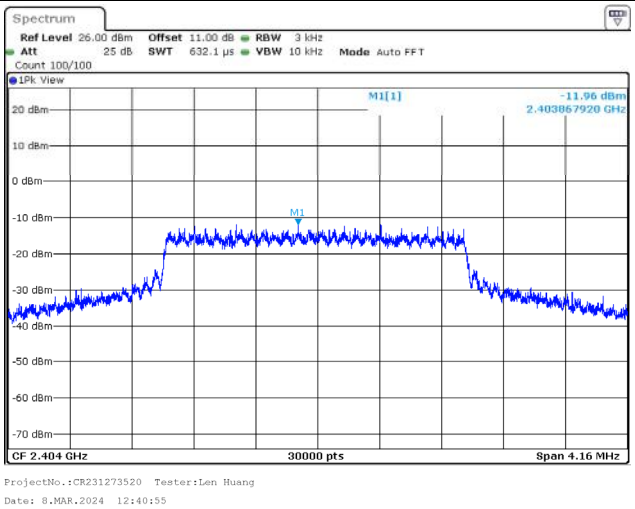
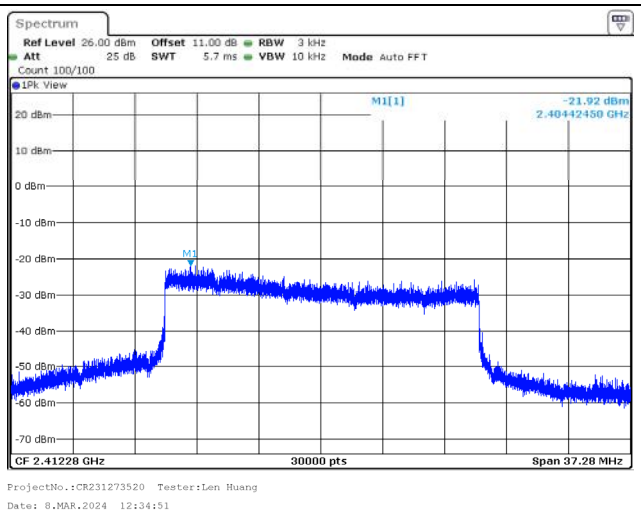
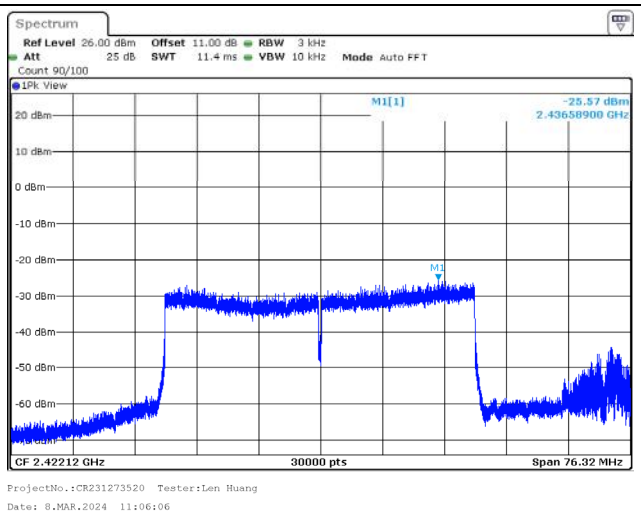
Maximum power spectral density	
802.11n ht20 Lowest Channel	
802.11n ht20 Middle Channel	
802.11n ht20 Highest Channel	

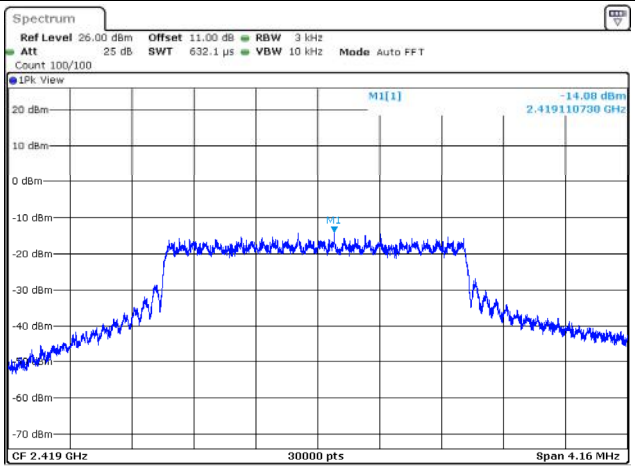
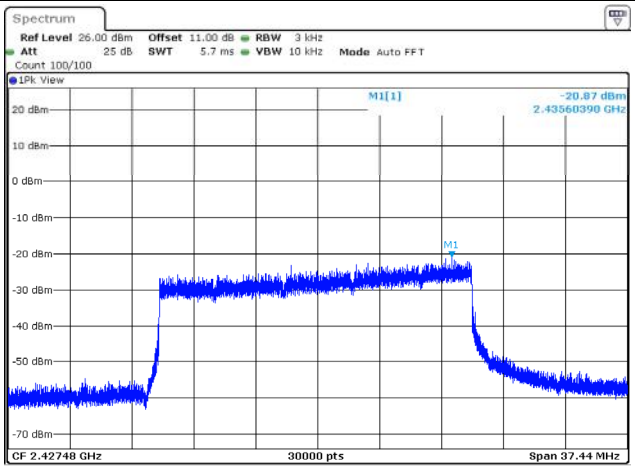
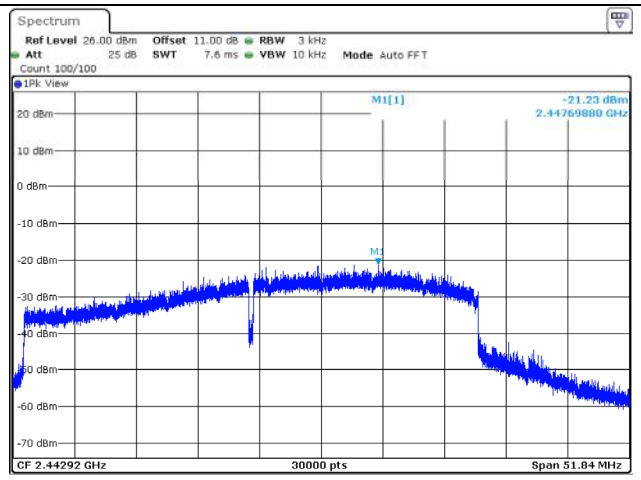
Maximum power spectral density	
802.11n ht40 Lowest Channel	
802.11n ht40 Middle Channel	
802.11n ht40 Highest Channel	

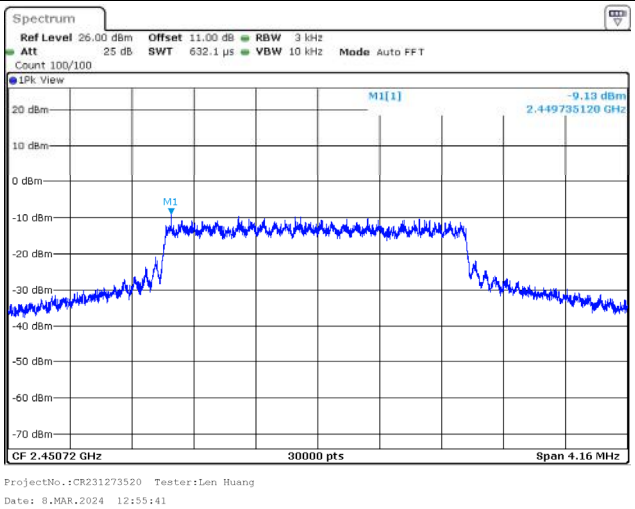
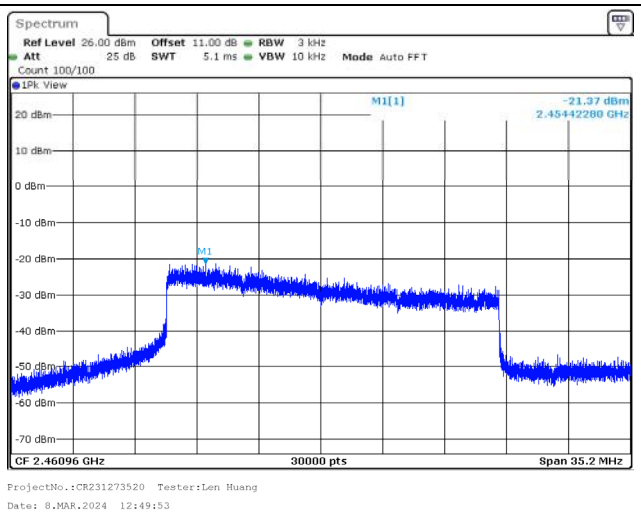
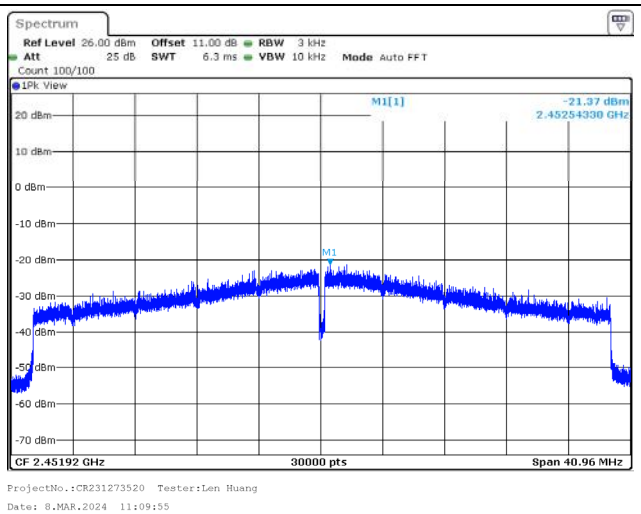
Maximum power spectral density	
11AX20MIMO_Chain 0_2412_26Tone_RU0	
11AX20MIMO_Chain 0_2412_106Tone_RU 53	
11AX20MIMO_Chain 0_2412_242Tone_RU 61	

Maximum power spectral density	
11AX20MIMO_Chain 0_2437_26Tone_RU0	
11AX20MIMO_Chain 0_2437_106Tone_RU 53	
11AX20MIMO_Chain 0_2437_242Tone_RU 61	

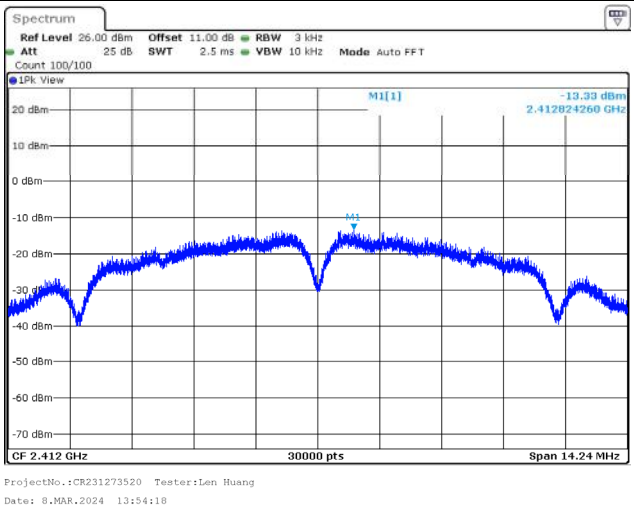
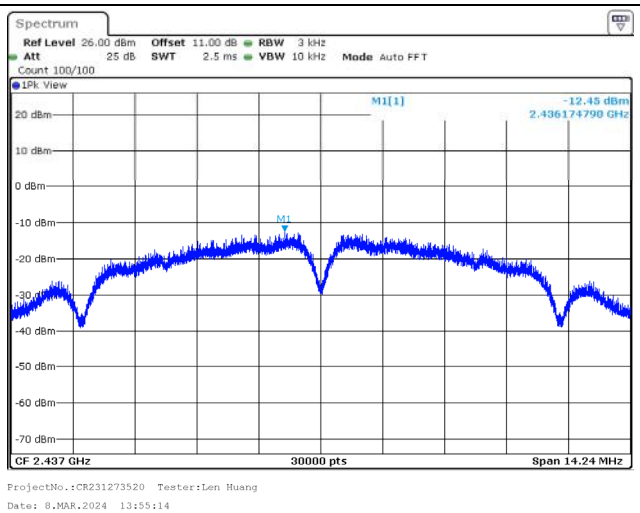
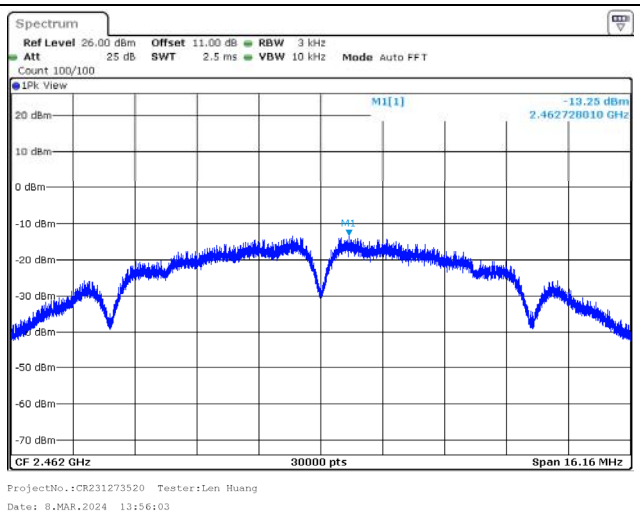
Maximum power spectral density	
11AX20MIMO_Chain 0_2462_26Tone_RU8	
11AX20MIMO_Chain 0_2462_106Tone_RU 54	
11AX20MIMO_Chain 0_2462_242Tone_RU 61	

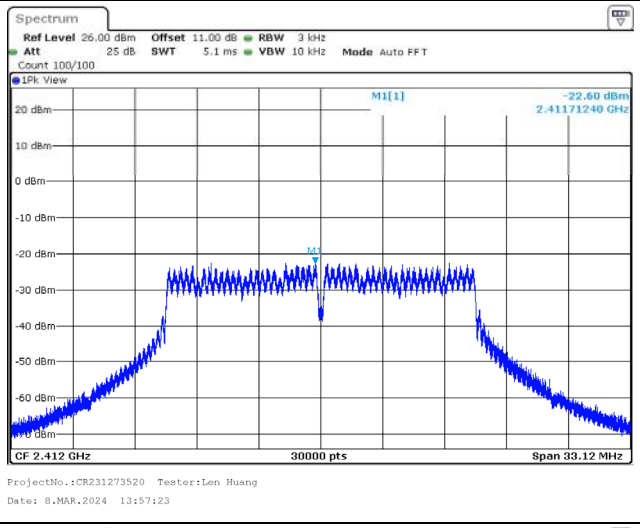
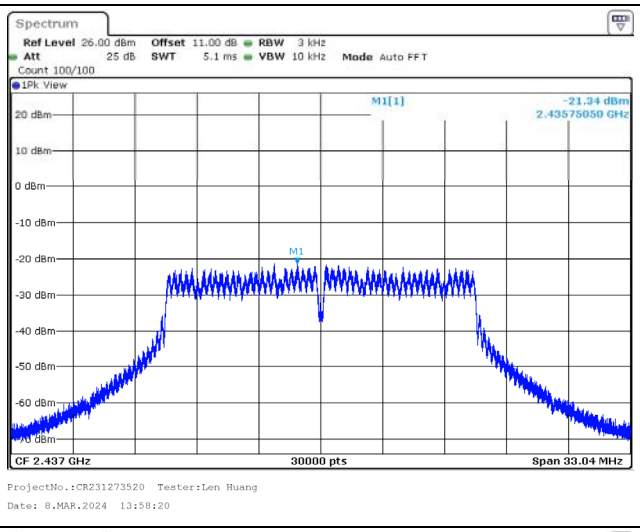
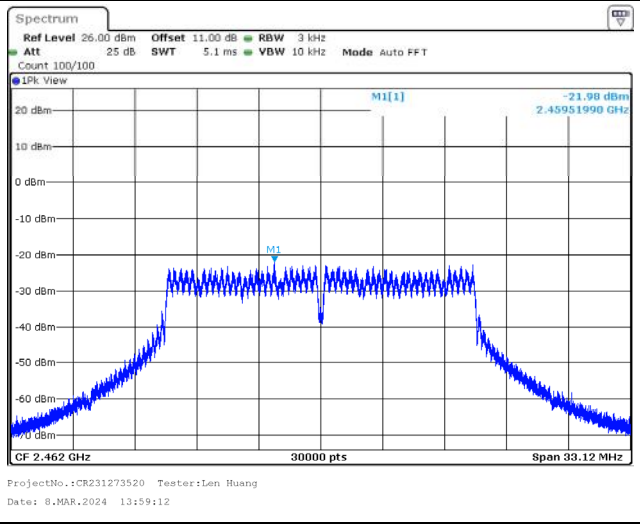
Maximum power spectral density	
11AX40MIMO_Chain 0_2422_26Tone_RU0	
11AX40MIMO_Chain 0_2422_242Tone_RU 61	
11AX40MIMO_Chain 0_2422_484Tone_RU 65	

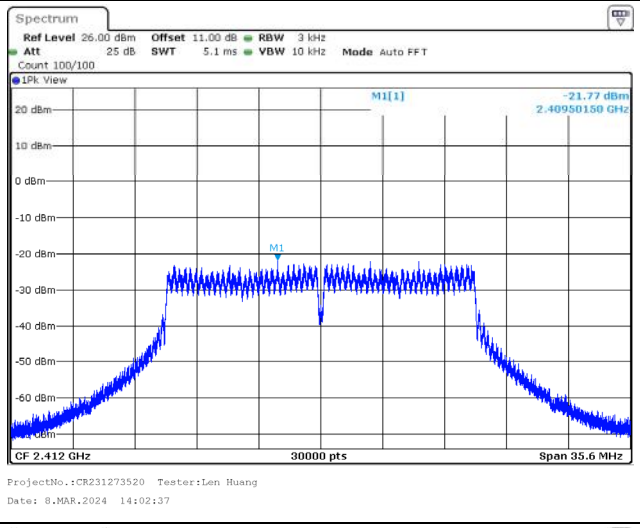
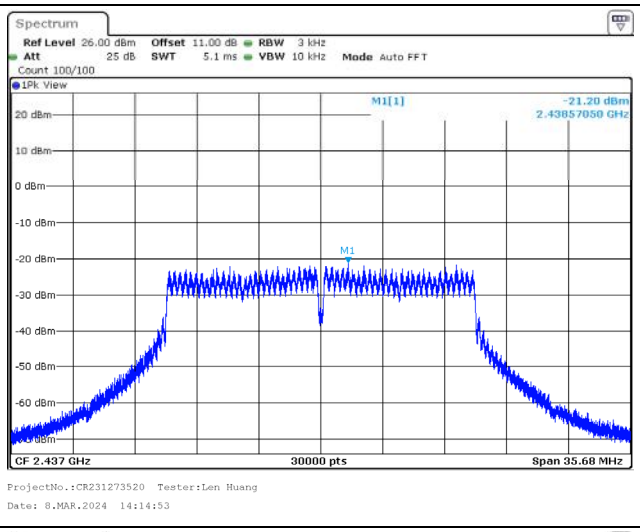
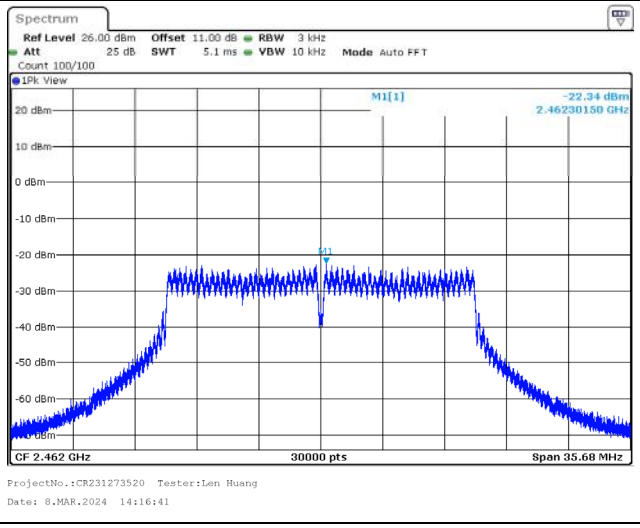
Maximum power spectral density	
11AX40MIMO_Chain 0_2437_26Tone_RU0	
11AX40MIMO_Chain 0_2437_242Tone_RU 61	
11AX40MIMO_Chain 0_2437_484Tone_RU 65	

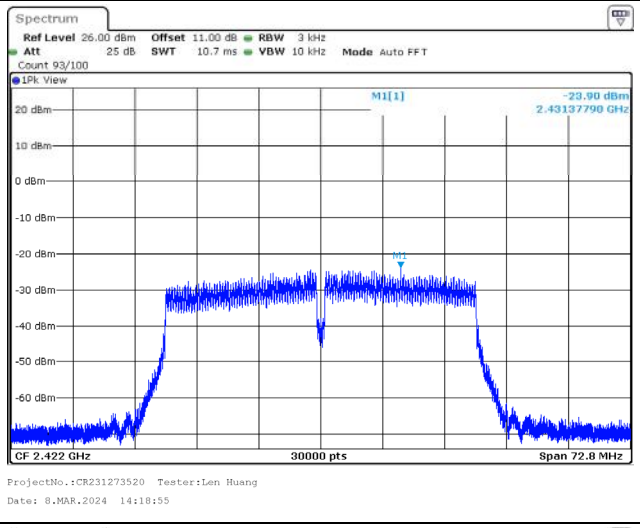
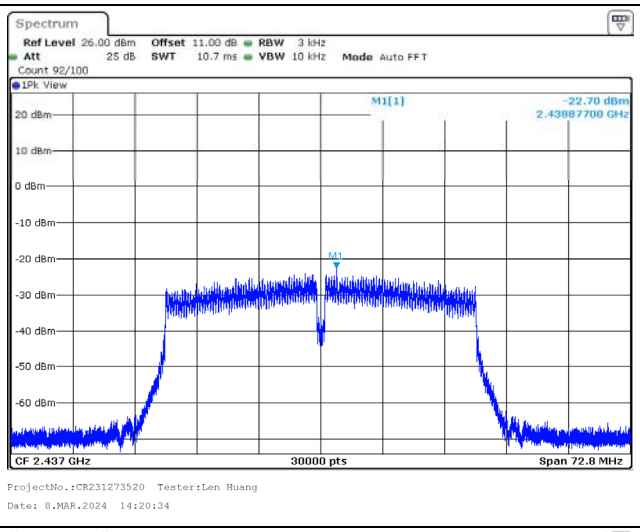
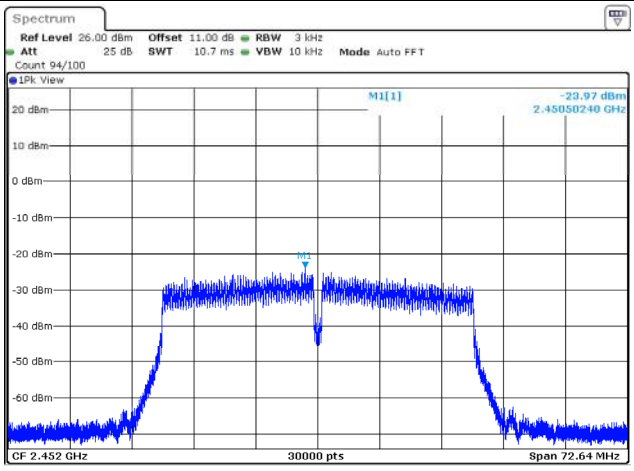
Maximum power spectral density	
11AX40MIMO_Chain 0_2452_26Tone_RU17	
11AX40MIMO_Chain 0_2452_242Tone_RU62	
11AX40MIMO_Chain 0_2452_484Tone_RU65	

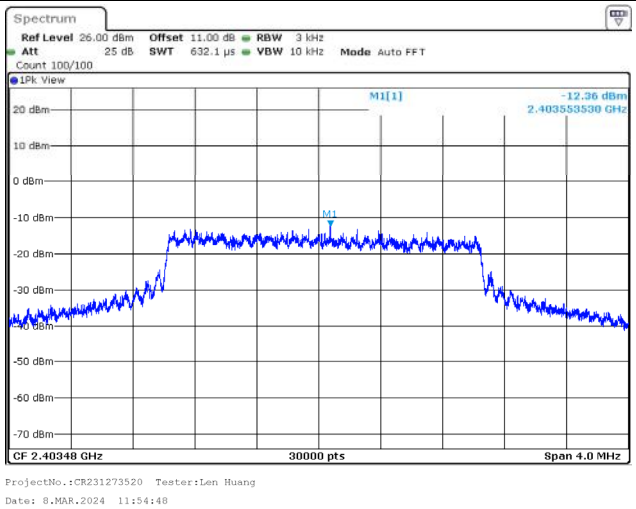
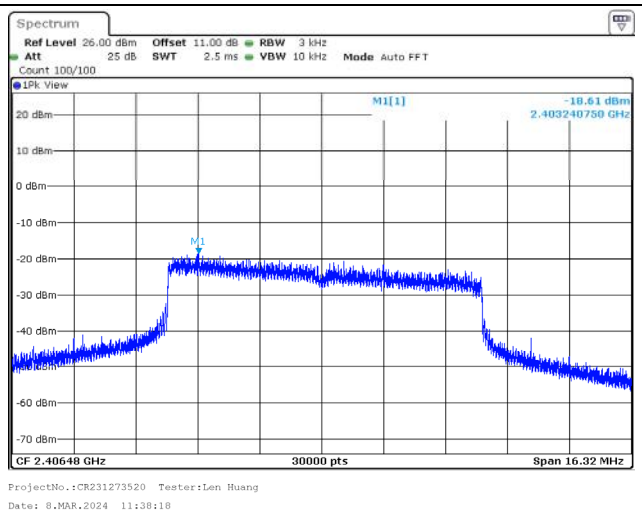
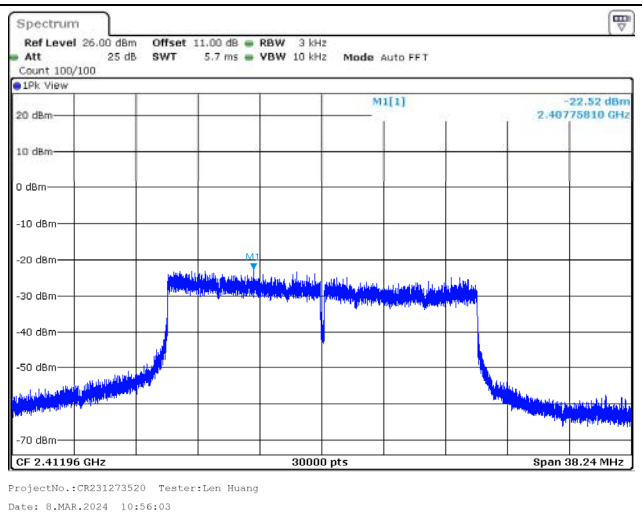
Chain 1

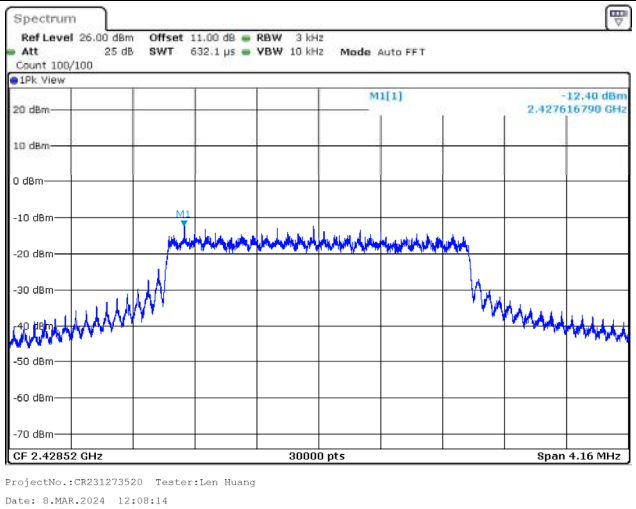
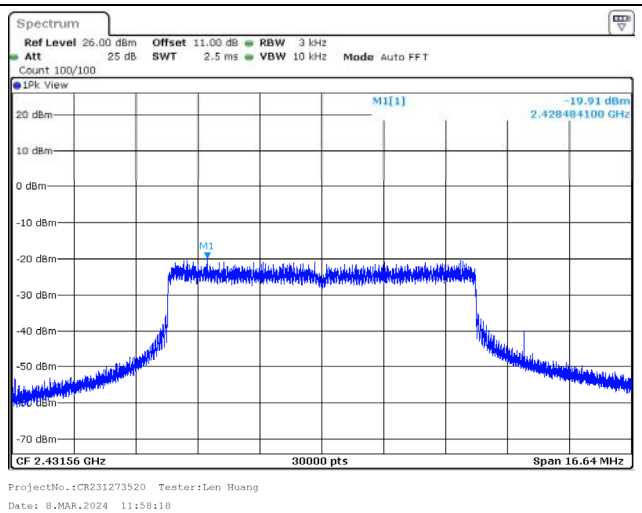
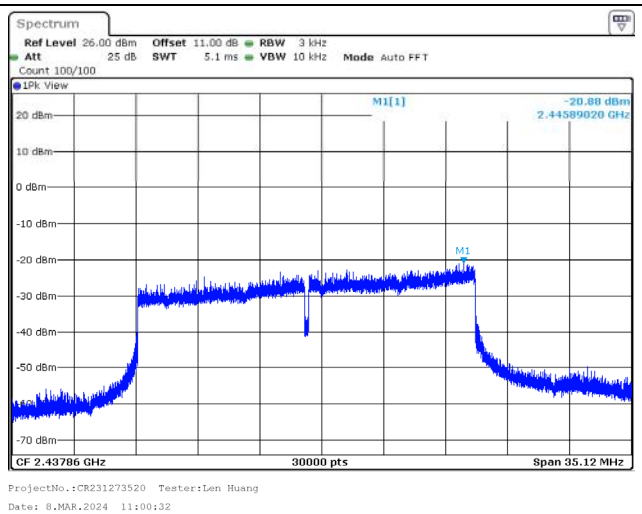
Maximum power spectral density	
802.11b Lowest Channel	
802.11b Middle Channel	
802.11b Highest Channel	

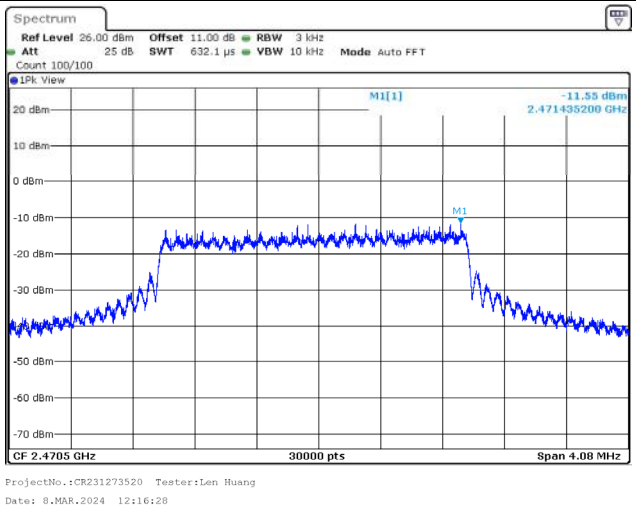
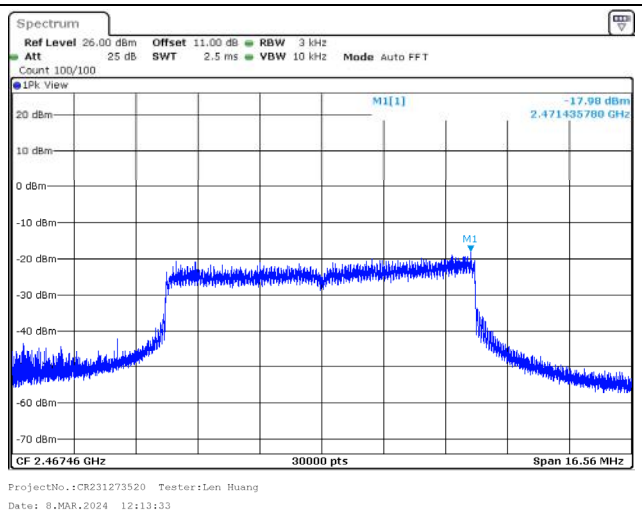
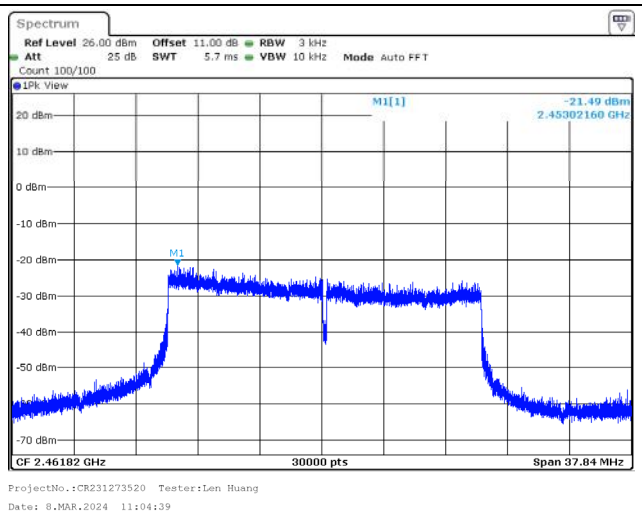
Maximum power spectral density	
802.11g Lowest Channel	
802.11g Middle Channel	
802.11g Highest Channel	

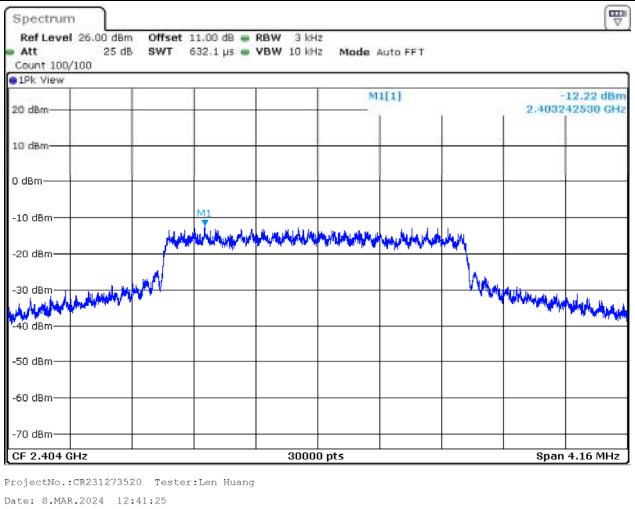
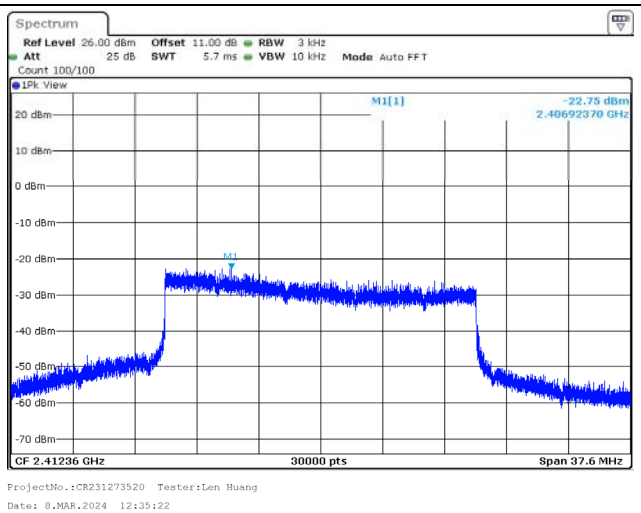
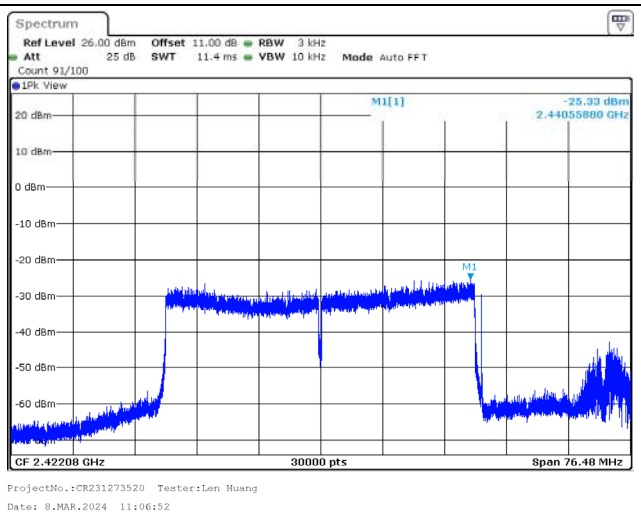
Maximum power spectral density	
802.11n ht20 Lowest Channel	
802.11n ht20 Middle Channel	
802.11n ht20 Highest Channel	

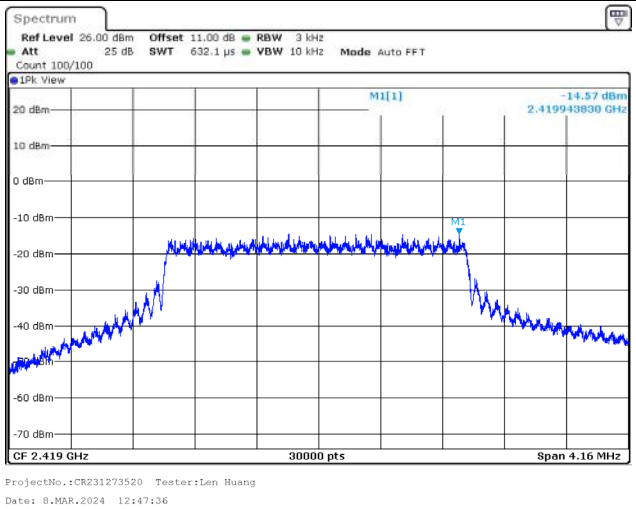
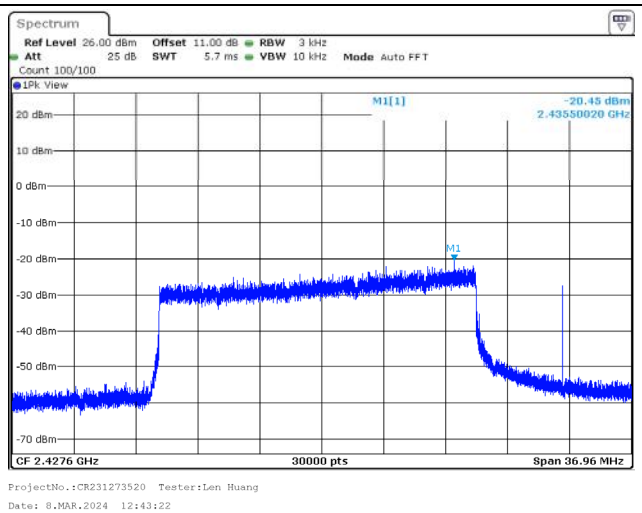
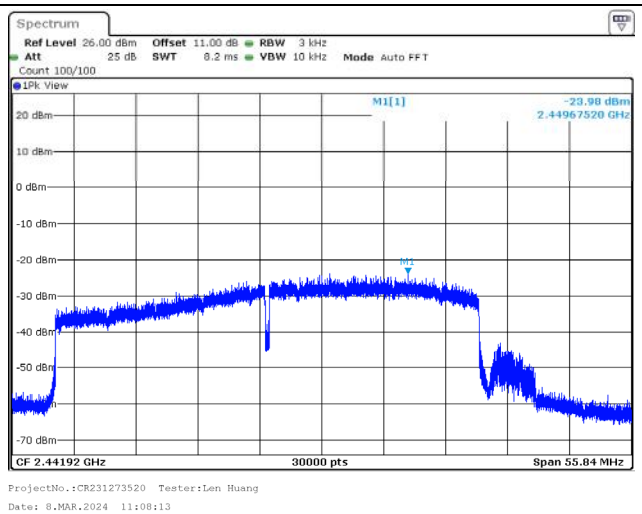
Maximum power spectral density	
802.11n ht40 Lowest Channel	
802.11n ht40 Middle Channel	
802.11n ht40 Highest Channel	

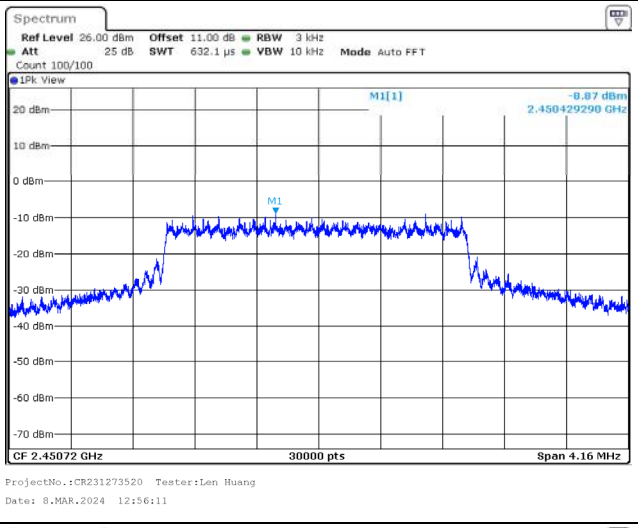
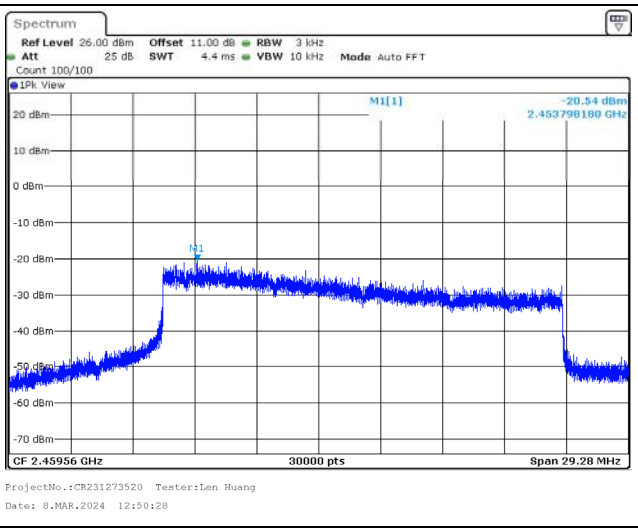
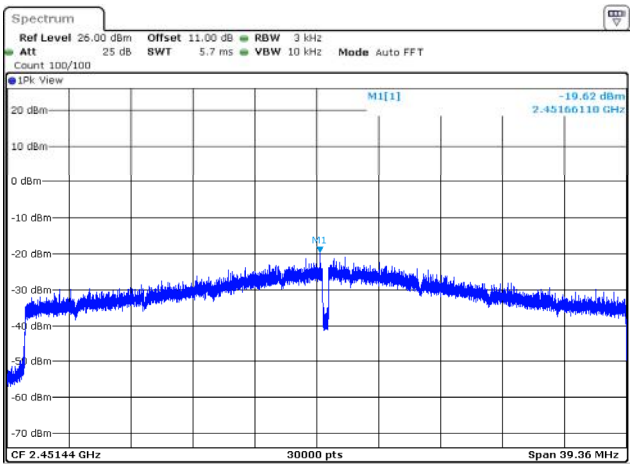
Maximum power spectral density	
11AX20MIMO_Chain 1_2412_26Tone_RU0	
11AX20MIMO_Chain 1_2412_106Tone_RU 53	
11AX20MIMO_Chain 1_2412_242Tone_RU 61	

Maximum power spectral density	
11AX20MIMO_Chain 1_2437_26Tone_RU0	
11AX20MIMO_Chain 1_2437_106Tone_RU 53	
11AX20MIMO_Chain 1_2437_242Tone_RU 61	

Maximum power spectral density	
11AX20MIMO_Chain 1_2462_26Tone_RU8	
11AX20MIMO_Chain 1_2462_106Tone_RU 54	
11AX20MIMO_Chain 1_2462_242Tone_RU 61	

Maximum power spectral density	
11AX40MIMO_Chain 1_2422_26Tone_RU0	
11AX40MIMO_Chain 1_2422_242Tone_RU 61	
11AX40MIMO_Chain 1_2422_484Tone_RU 65	

Maximum power spectral density	
11AX40MIMO_Chain 1_2437_26Tone_RU0	
11AX40MIMO_Chain 1_2437_242Tone_RU 61	
11AX40MIMO_Chain 1_2437_484Tone_RU 65	

Maximum power spectral density	
11AX40MIMO_Chain 1_2452_26Tone_RU17	
11AX40MIMO_Chain 1_2452_242Tone_RU62	
11AX40MIMO_Chain 1_2452_484Tone_RU65	

4.7 100 kHz Bandwidth of Frequency Band Edge:

Serial Number:	2EXR-1	Test Date:	2024/3/8
Test Site:	RF	Test Mode:	Transmitting
Tester:	Len Huang	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	26.5	Relative Humidity: (%)	52	ATM Pressure: (kPa)	100.2

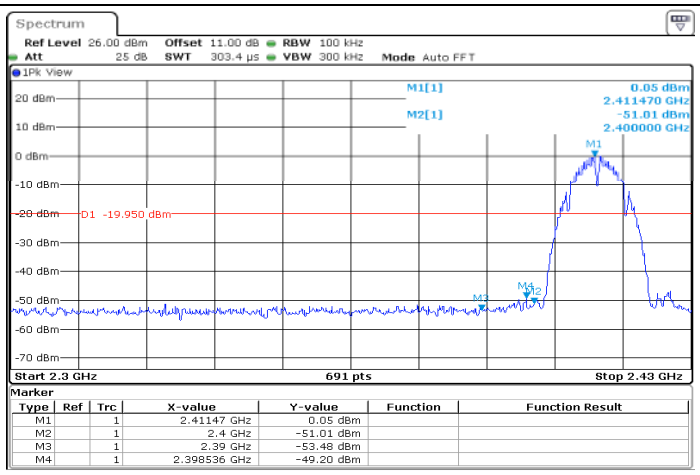
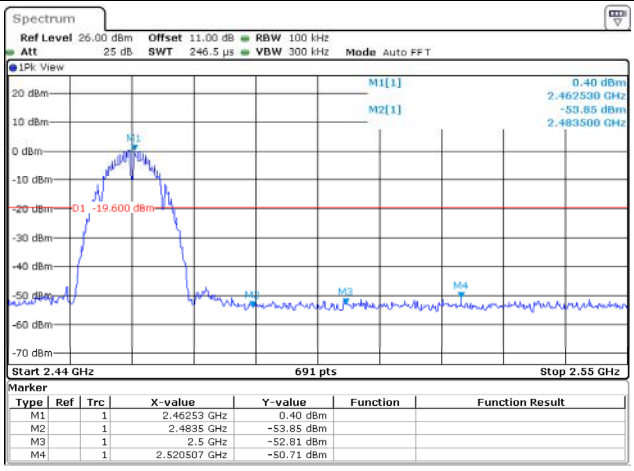
Test Equipment List and Details:

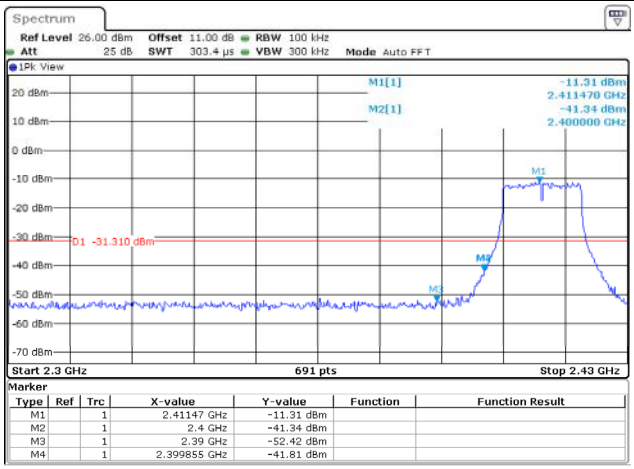
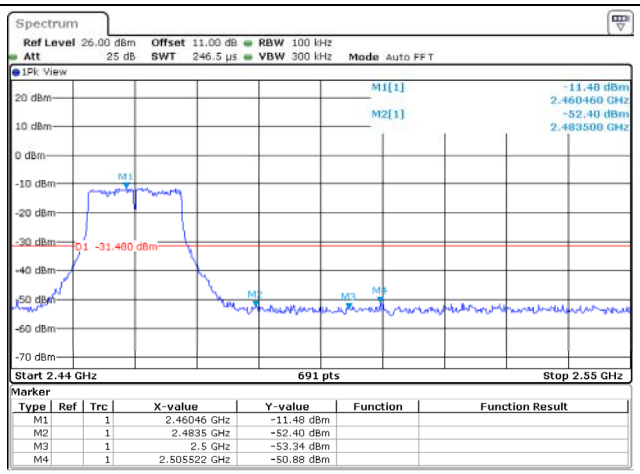
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	N/A
R&S	Spectrum Analyzer	FSV40-N	102259	2023/4/18	2024/4/17

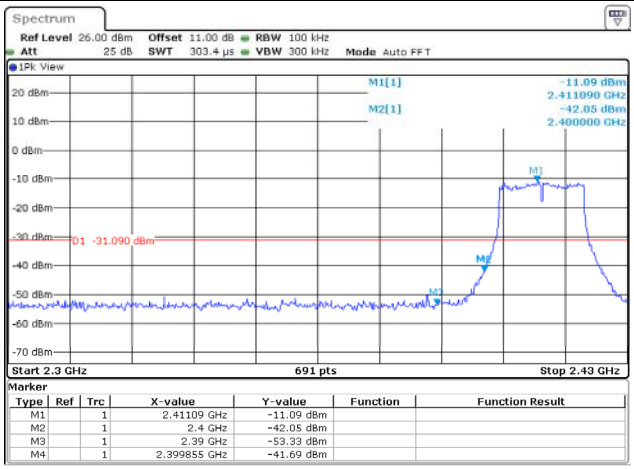
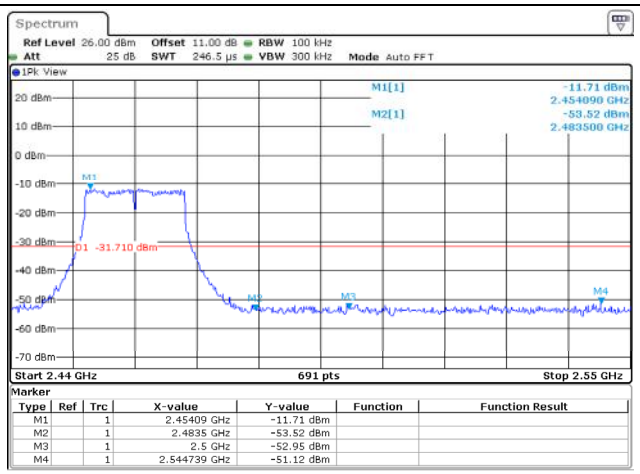
** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

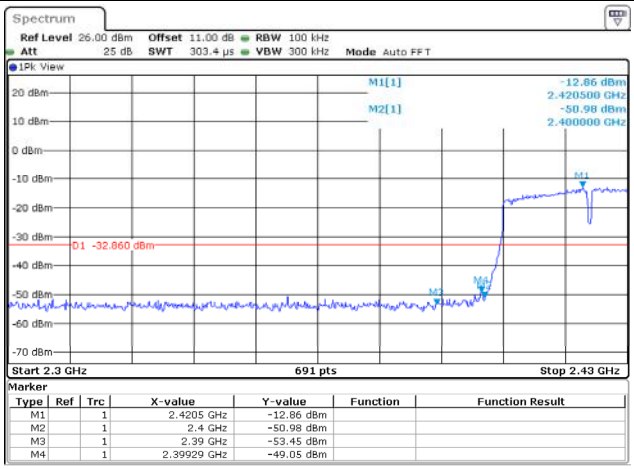
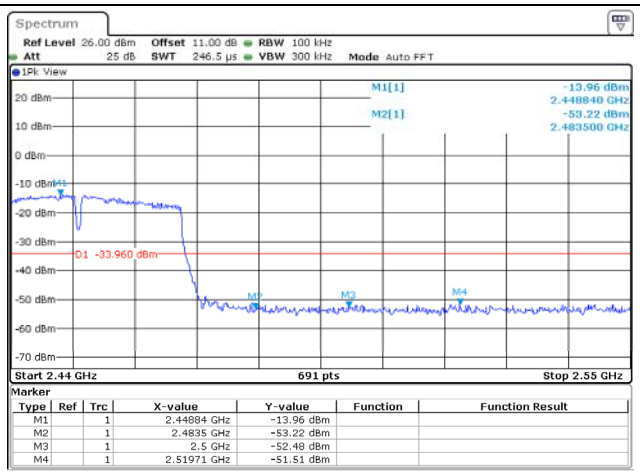
Test Data:

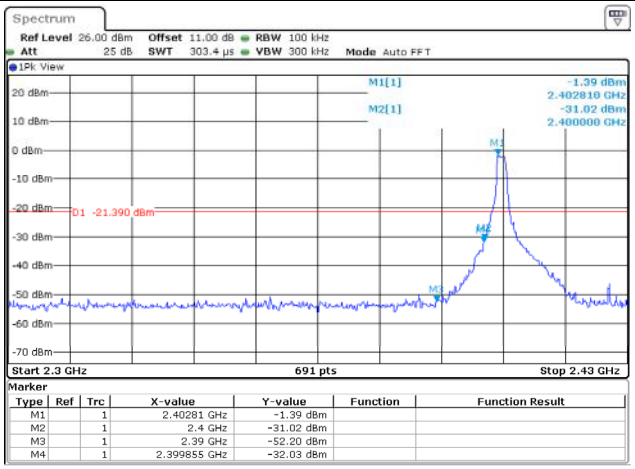
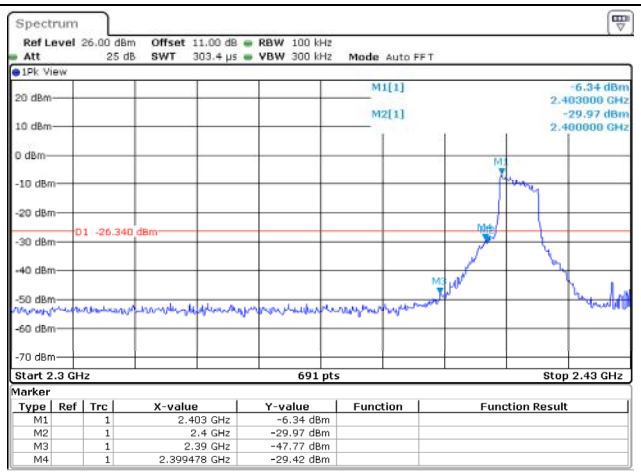
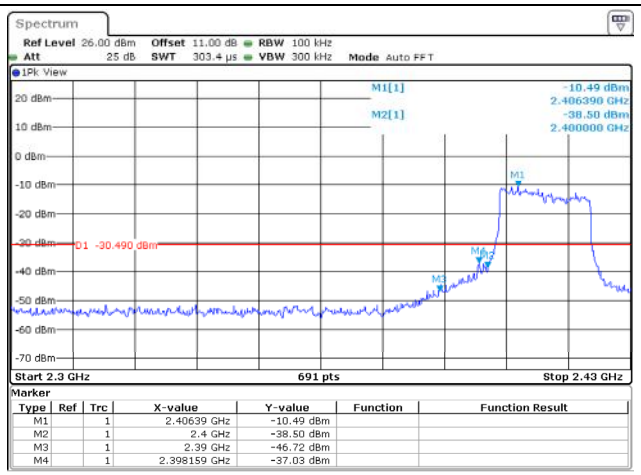
Chain 0:

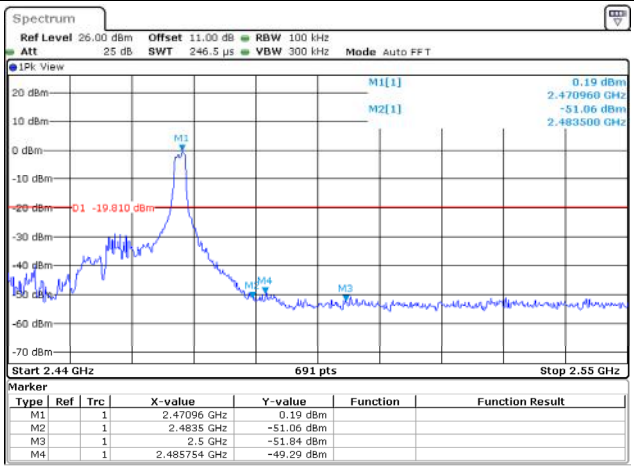
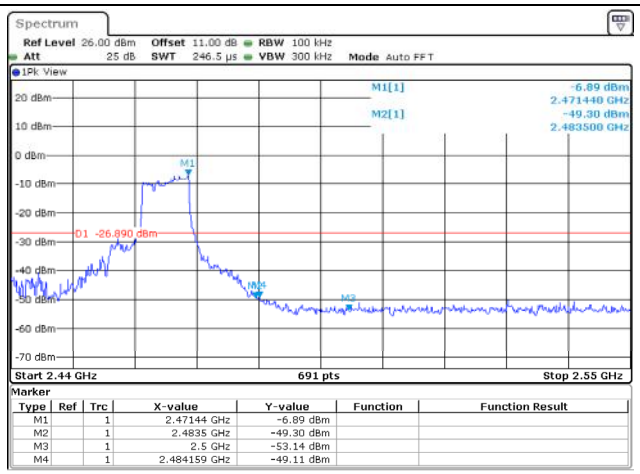
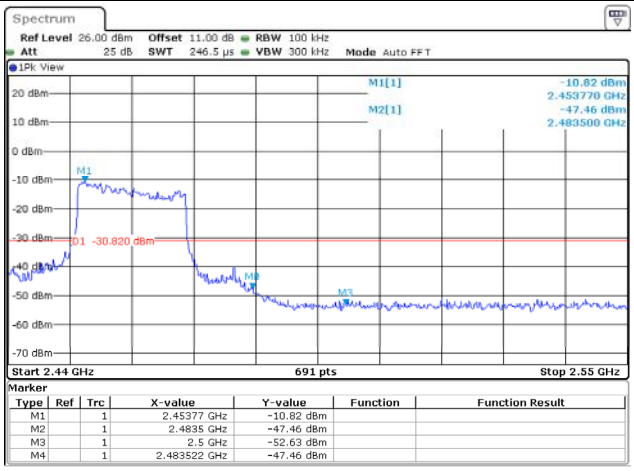
100 kHz Bandwidth of Frequency Band Edge	
802.11b Lowest Band edge	
802.11b Highest Band edge	

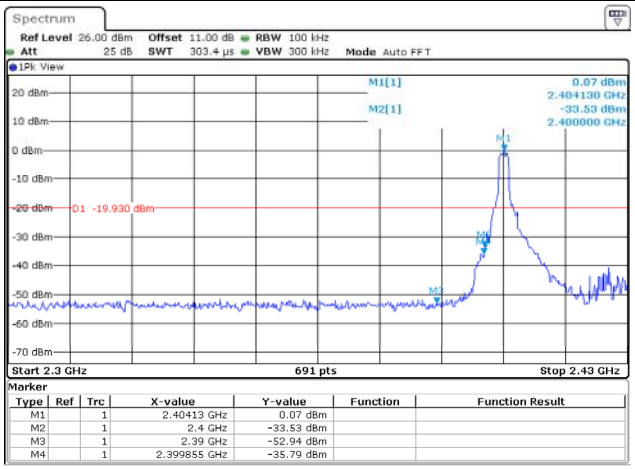
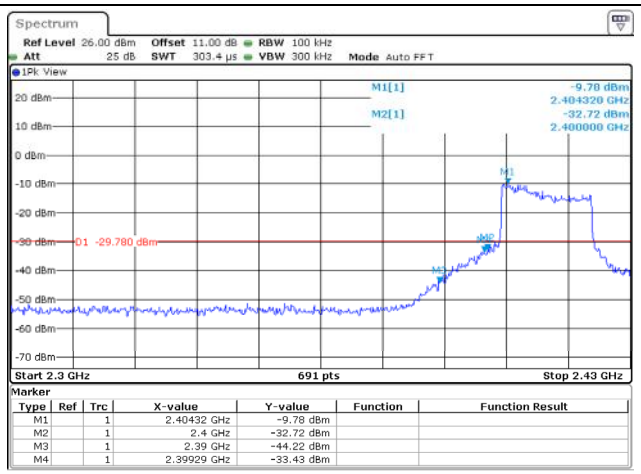
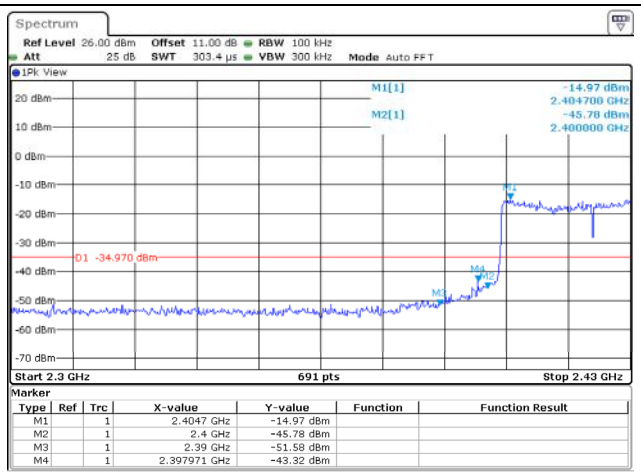
100 kHz Bandwidth of Frequency Band Edge	
802.11g Lowest Band edge	
802.11g Highest Band edge	

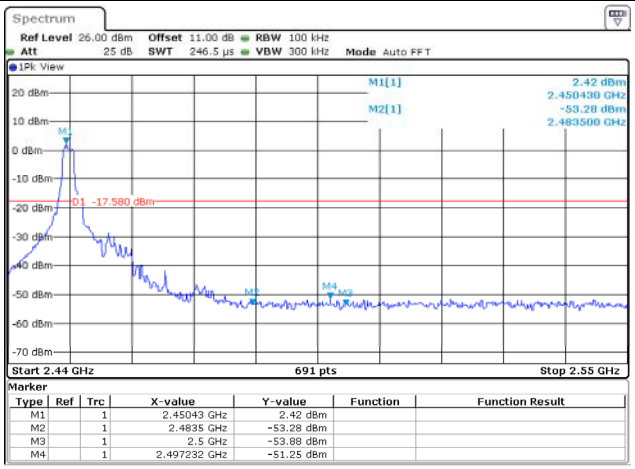
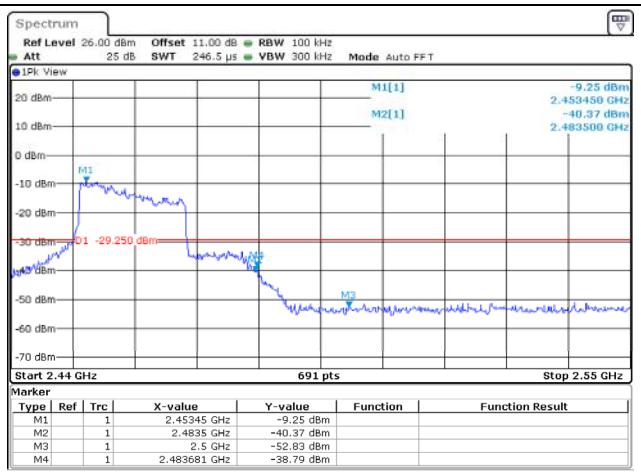
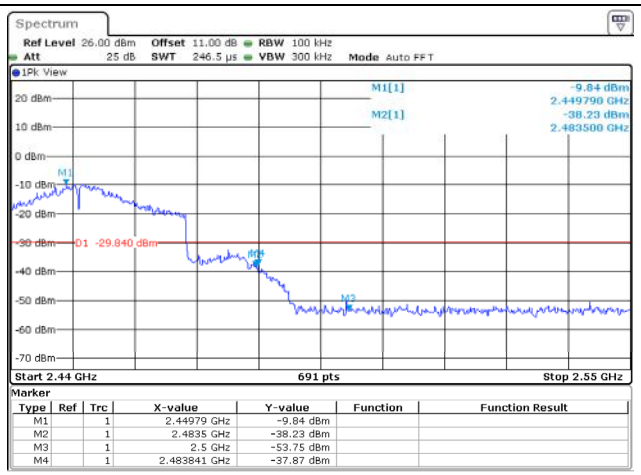
100 kHz Bandwidth of Frequency Band Edge	
802.11n ht20 Lowest Band edge	
802.11n ht20 Highest Band edge	

100 kHz Bandwidth of Frequency Band Edge	
802.11n ht40 Lowest Band edge	
802.11n ht40 Highest Band edge	

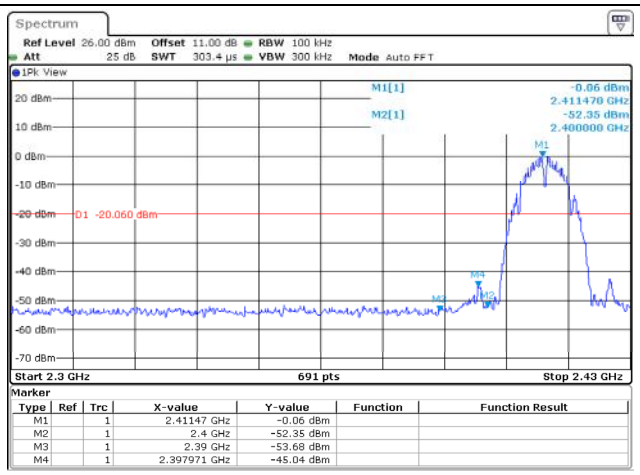
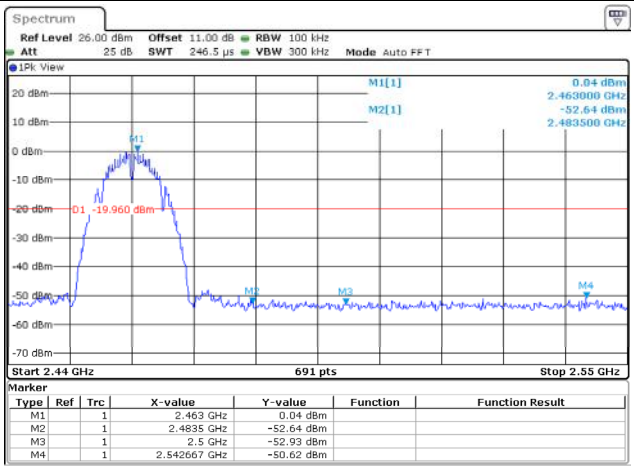
100 kHz Bandwidth of Frequency Band Edge	
11AX20MIMO_Chain 0_Low_2412_26Tone_ RU0	
11AX20MIMO_Chain 0_Low_2412_106Tone_ RU53	
11AX20MIMO_Chain 0_Low_2412_242Tone_ RU61	

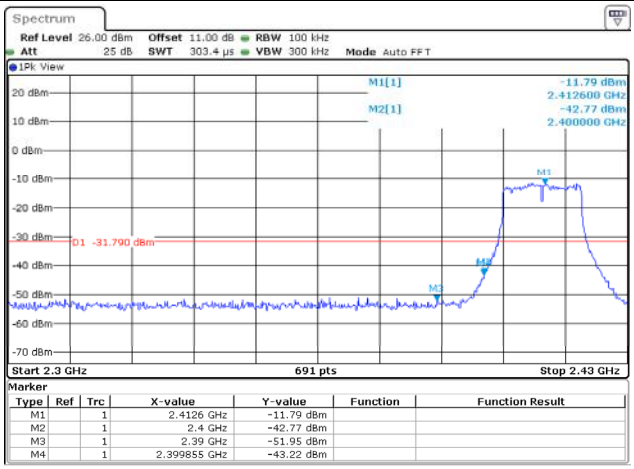
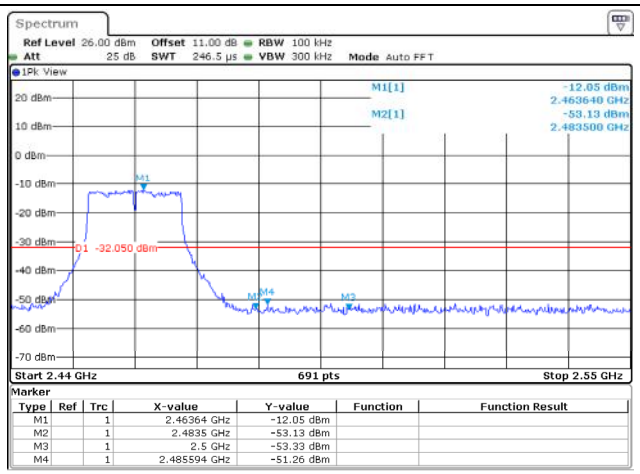
100 kHz Bandwidth of Frequency Band Edge	
11AX20MIMO_Chain 0_High_2462_26Tone_ RU8	
11AX20MIMO_Chain 0_High_2462_106Tone_ RU54	
11AX20MIMO_Chain 0_High_2462_242Tone_ RU61	

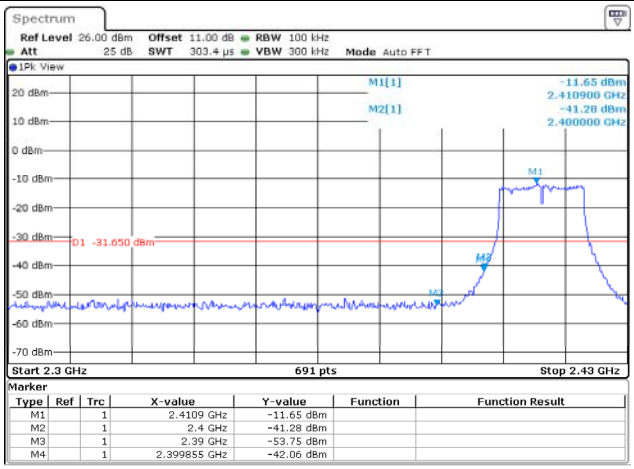
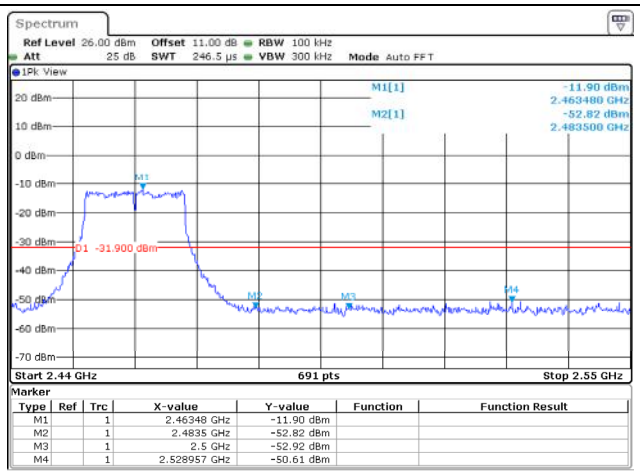
100 kHz Bandwidth of Frequency Band Edge	
11AX40MIMO_Chain 0_Low_2422_26Tone_ RU0	
11AX40MIMO_Chain 0_Low_2422_242Tone_ RU61	
11AX40MIMO_Chain 0_Low_2422_484Tone_ RU65	

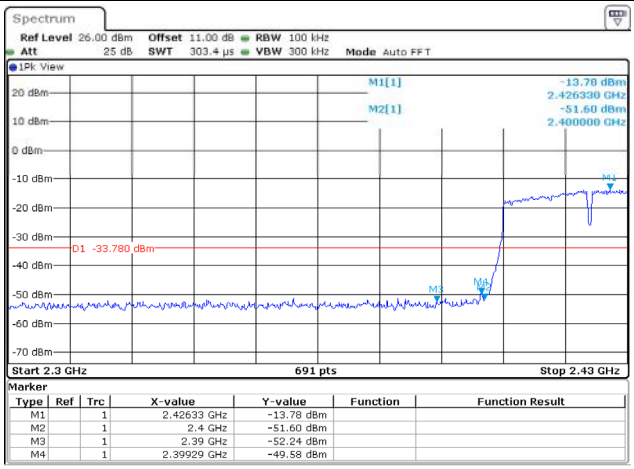
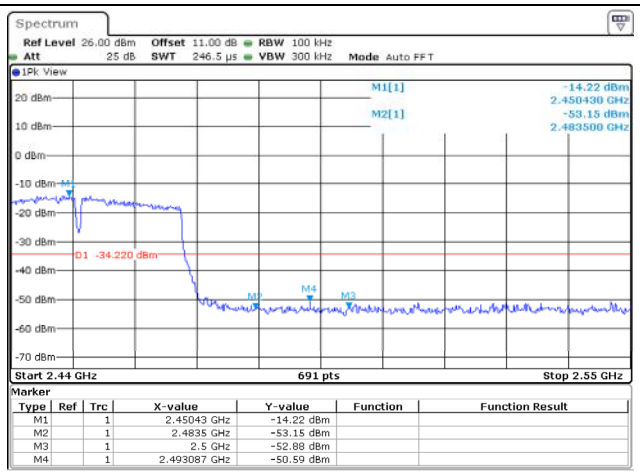
100 kHz Bandwidth of Frequency Band Edge	
11AX40MIMO_Chain 0_High_2452_26Tone_ RU17	
11AX40MIMO_Chain 0_High_2452_242Tone_ RU62	
11AX40MIMO_Chain 0_High_2452_484Tone_ RU65	

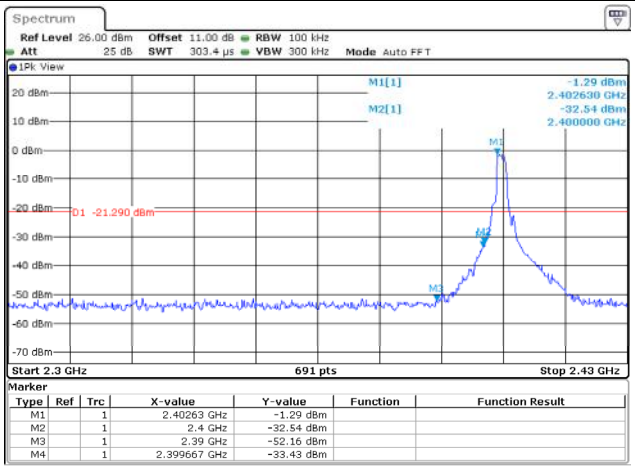
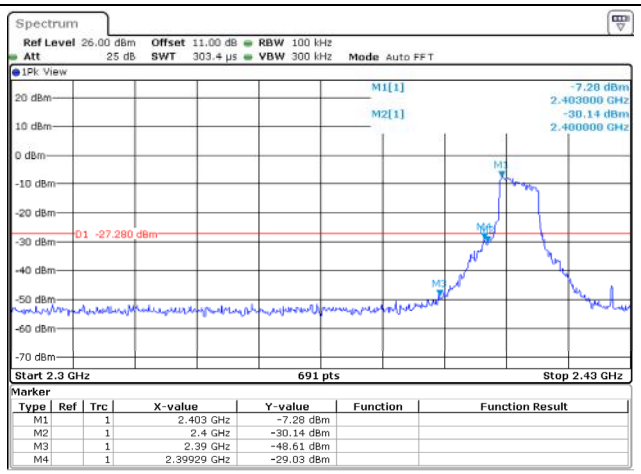
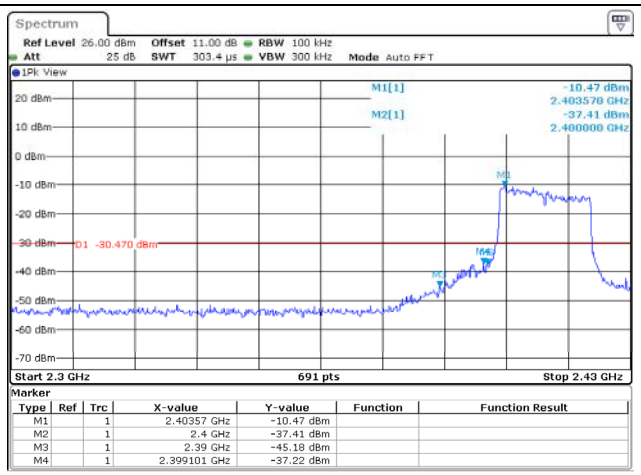
Chain 1

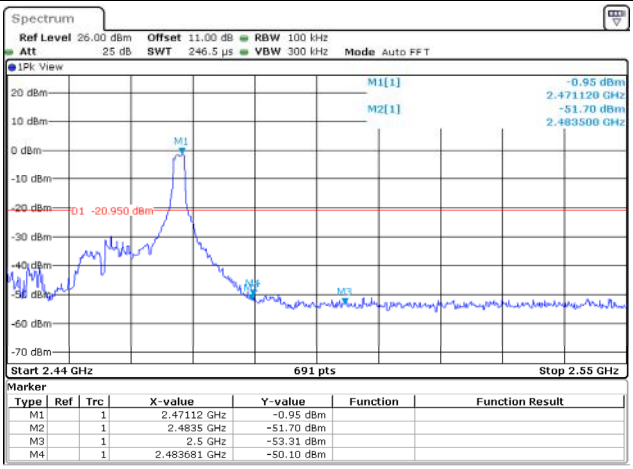
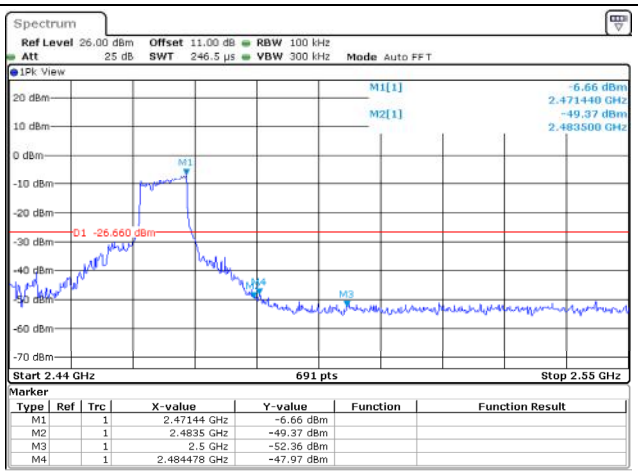
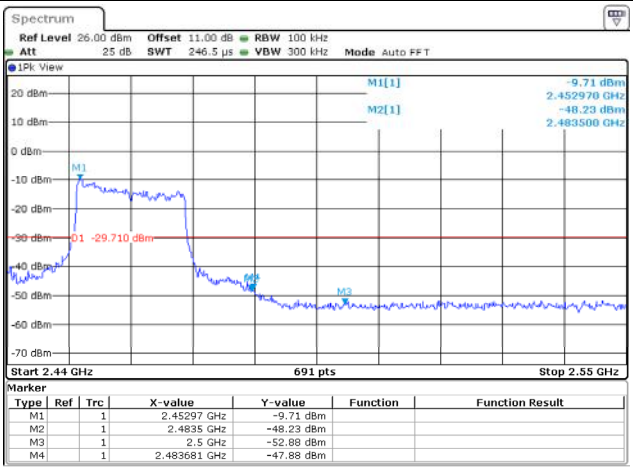
100 kHz Bandwidth of Frequency Band Edge	
802.11b Lowest Band edge	
802.11b Highest Band edge	

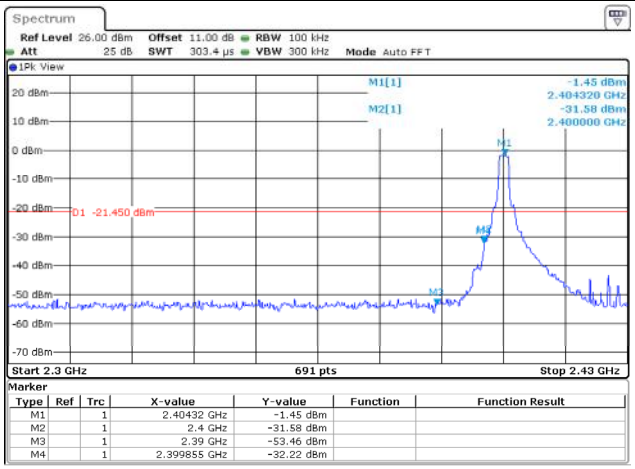
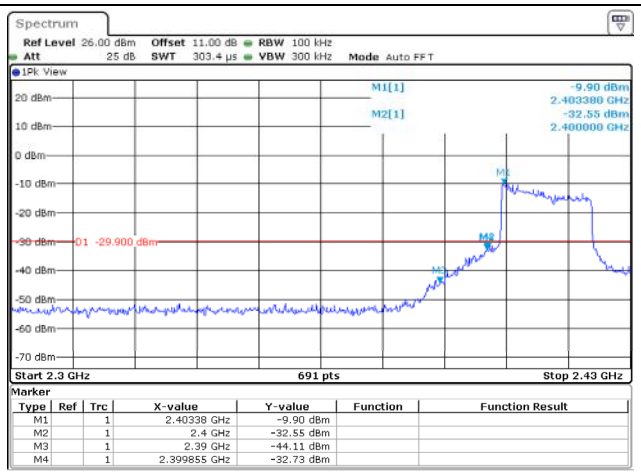
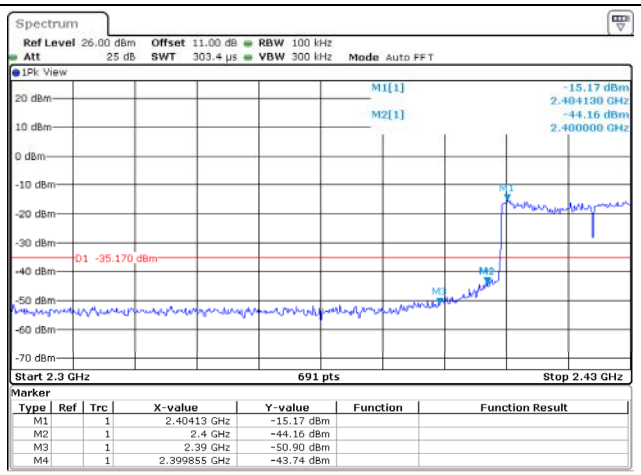
100 kHz Bandwidth of Frequency Band Edge	
802.11g Lowest Band edge	
802.11g Highest Band edge	

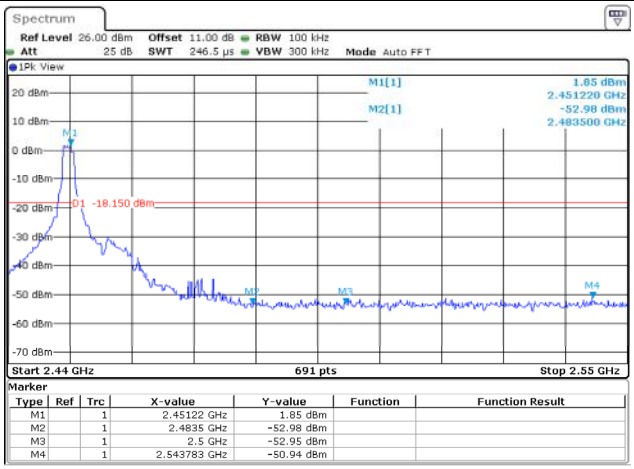
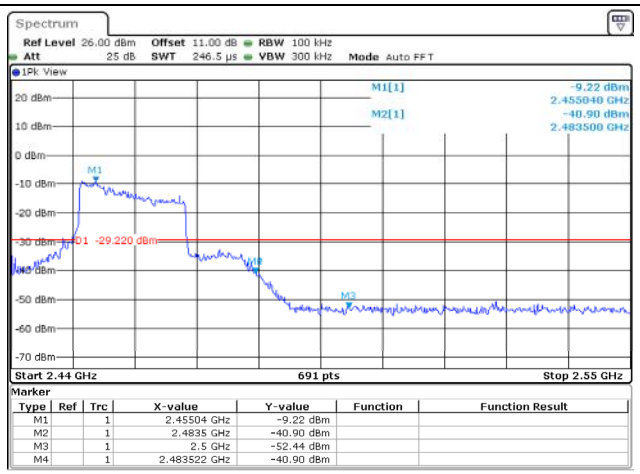
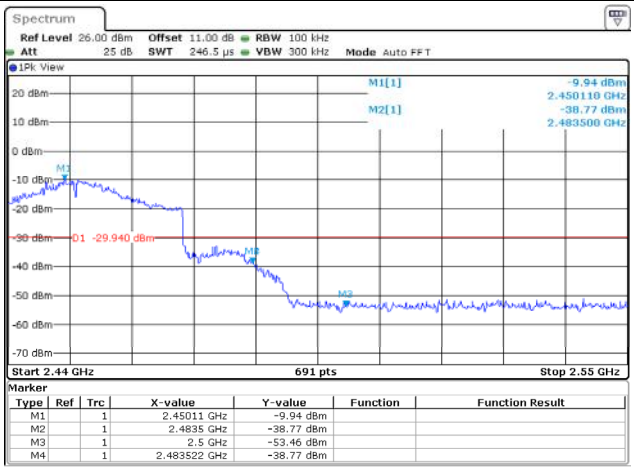
100 kHz Bandwidth of Frequency Band Edge	
802.11n ht20 Lowest Band edge	
802.11n ht20 Highest Band edge	

100 kHz Bandwidth of Frequency Band Edge	
802.11n ht40 Lowest Band edge	
802.11n ht40 Highest Band edge	

100 kHz Bandwidth of Frequency Band Edge	
11AX20MIMO_Chain 1_Low_2412_26Tone_ RU0	
11AX20MIMO_Chain 1_Low_2412_106Tone _RU53	
11AX20MIMO_Chain 1_Low_2412_242Tone _RU61	

100 kHz Bandwidth of Frequency Band Edge	
11AX20MIMO_Chain 1_High_2462_26Tone_ RU8	
11AX20MIMO_Chain 1_High_2462_106Tone_ RU54	
11AX20MIMO_Chain 1_High_2462_242Tone_ RU61	

100 kHz Bandwidth of Frequency Band Edge	
11AX40MIMO_Chain 1_Low_2422_26Tone_ RU0	
11AX40MIMO_Chain 1_Low_2422_242Tone _RU61	
11AX40MIMO_Chain 1_Low_2422_484Tone _RU65	

100 kHz Bandwidth of Frequency Band Edge	
11AX40MIMO_Chain 1_High_2452_26Tone_ RU17	
11AX40MIMO_Chain 1_High_2452_242Tone_ RU62	
11AX40MIMO_Chain 1_High_2452_484Tone_ RU65	

4.8 Duty Cycle:

Serial Number:	2EXR-1	Test Date:	2024/3/8
Test Site:	RF	Test Mode:	Transmitting
Tester:	Len Huang	Test Result:	N/A

Environmental Conditions:					
Temperature: (℃)	26.7	Relative Humidity: (%)	62	ATM Pressure: (kPa)	100.2

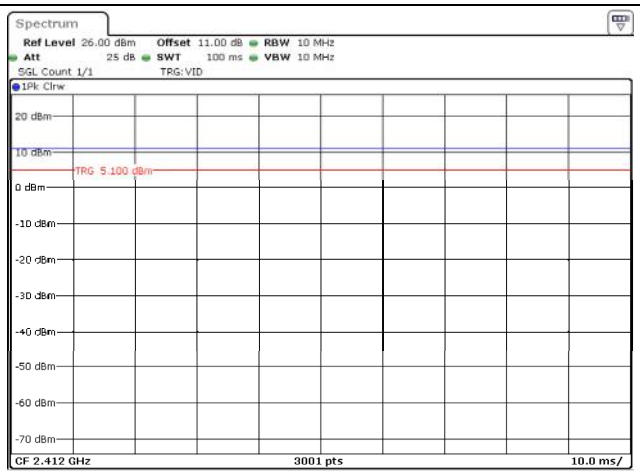
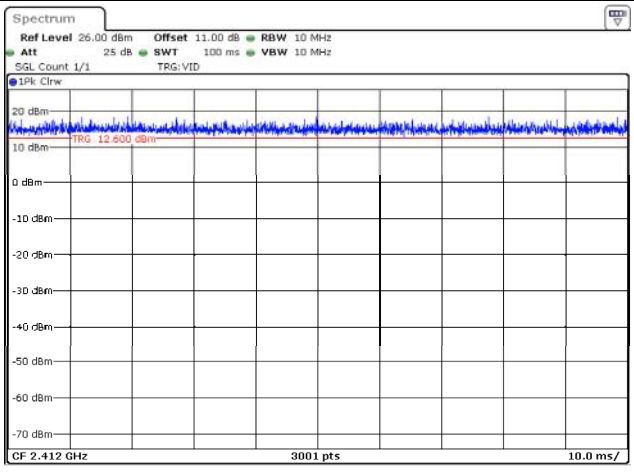
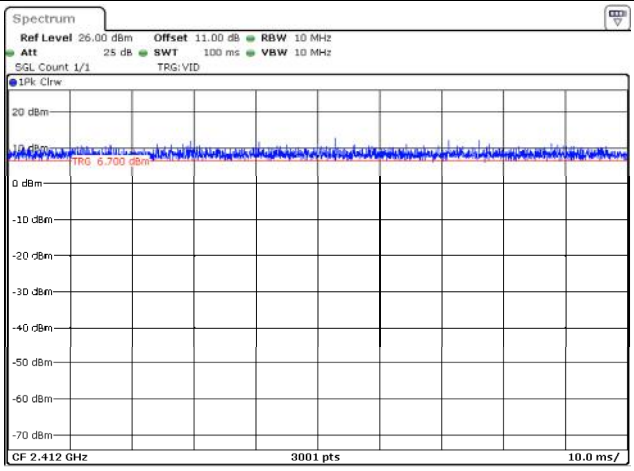
Test Equipment List and Details:

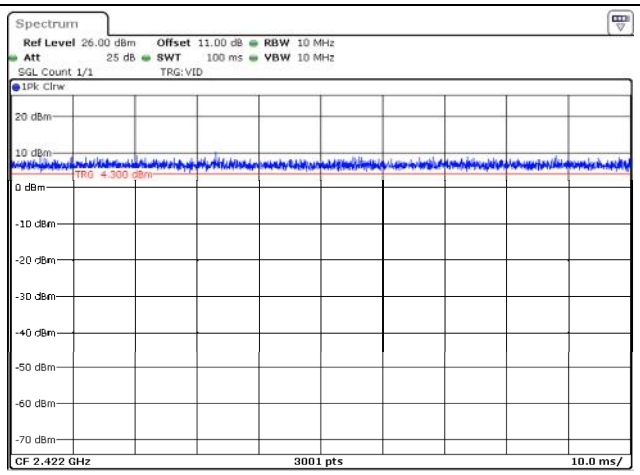
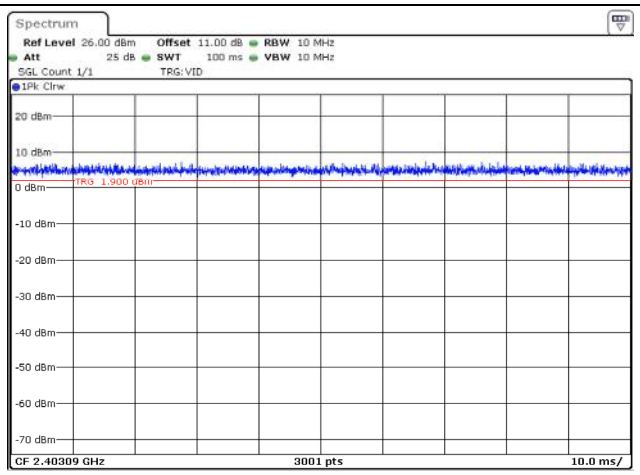
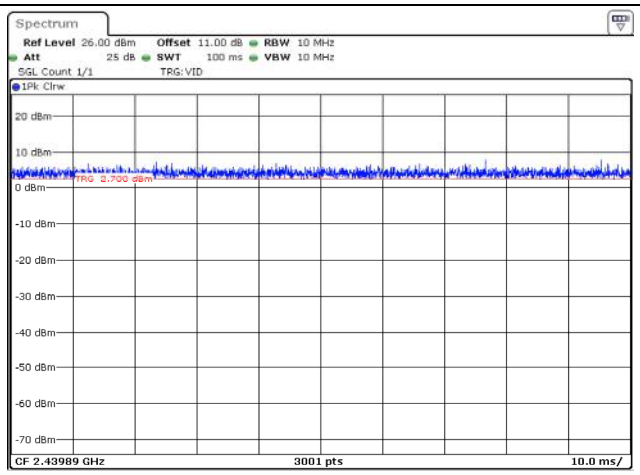
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	N/A
R&S	Spectrum Analyzer	FSV40-N	102259	2023/4/18	2024/4/17

** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:

Test Modes	Ton (ms)	Ton+off (ms)	Duty cycle (%)	1/T (Hz)	Duty Factor (dB)	VBW Setting(Hz)
802.11b	100	100	100.00	/	/	10
802.11g	100	100	100.00	/	/	10
802.11n ht20	100	100	100.00	/	/	10
802.11n ht40	100	100	100.00	/	/	10
802.11ax20 (242Tone_RU61)	100	100	100.00	/	/	10
802.11ax40 (484Tone_RU65)	100	100	100.00	/	/	10
Note: Test only was performed at Chain 0.						

Duty Cycle	
802.11b	
802.11g	
802.11n ht20	

802.11n ht40	
11AX20MIMO_Chain 0_2412_242Tone_ RU61	
11AX40MIMO_Chain 0_2422_484Tone_ RU65	

5. EUT PHOTOGRAPHS

Please refer to the attachment CR231273520-EXP EUT EXTERNAL PHOTOGRAPHS and CR231273520-INP EUT INTERNAL PHOTOGRAPHS

6. TEST SETUP PHOTOGRAPHS

Please refer to the attachment CR231273520-00C-TSP TEST SETUP PHOTOGRAPHS.

===== END OF REPORT ====