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

ACCREDITED
TESTING LABORATORY
CERTIFICATE # 6356.01

TEST REPORT

Applicant: **INFINIX MOBILITY LIMITED**

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

FCC ID: **2AIZN-X6835B**

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

Report Number: **CR221263896-00AM1**
Date Of Issue: **2023/2/24**

Reviewed By: **Sun Zhong** Sun Zhong

Title: Manager

Test Laboratory: **China Certification ICT Co., Ltd (Dongguan)**
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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.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0123.

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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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	CR221263896-00A	Original Report	2023/2/9
2.0	CR221263896-00AM1	Re-test PSD and Band edge	2023/2/24

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

EUT Name:	Mobile Phone
EUT Model:	X6835B
Operation Frequency:	2412-2472 MHz(802.11b/g/n ht20), 2422-2462MHz(802.11n ht40)
Maximum Average Output Power (Conducted):	12.38dBm(802.11b/g/n)
Modulation Type:	802.11b:DSSS-DBPSK, DQPSK, CCK 802.11g/n:OFDM-BPSK, QPSK, 16QAM, 64QAM
Rated Input Voltage:	DC 3.85V from battery or charged by adapter
Serial Number:	1WP8
EUT Received Date:	2022/12/29
EUT Received Status:	Good

Operation Frequency Detail:

For 802.11b/g/n ht20:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2412	8	2447
2	2417	9	2452
3	2422	10	2457
4	2427	11	2462
5	2432	12	2467
6	2437	13	2472
7	2442	/	/

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

Test Channel	Frequency (MHz)
Lowest	2412
Middle	2437
Highest	2472

For 802.11n ht40:

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

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

Test Channel	Frequency (MHz)
Lowest	2422
Middle	2437
Highest	2462

Antenna Information Detail▲:

Antenna Manufacturer	Antenna Type	input impedance (Ohm)	Frequency Range	Antenna Gain
Sunnyway	FPC	50	2.4~2.5GHz	0.8 dBi

The Method of §15.203 Compliance:

☒Antenna must be permanently attached to the unit.

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

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

Accessory Information:

Accessory Description	Manufacturer	Model
Adapter	Infinix	U180XSA

1.2 Description of Test Configuration

1.2.1 EUT Operation Condition:

For 802.11b/g/n:

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	Data Rate	Power Level Setting		
		Lowest Channel	Middle Channel	Highest Channel
802.11b	1Mbps	20.5	21	22
802.11g	6Mbps	9	9.5	10
802.11n ht20	MCS0	8	9	10
802.11n ht40	MCS0	8	7	8

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.

1.2.2 Support Equipment List and Details

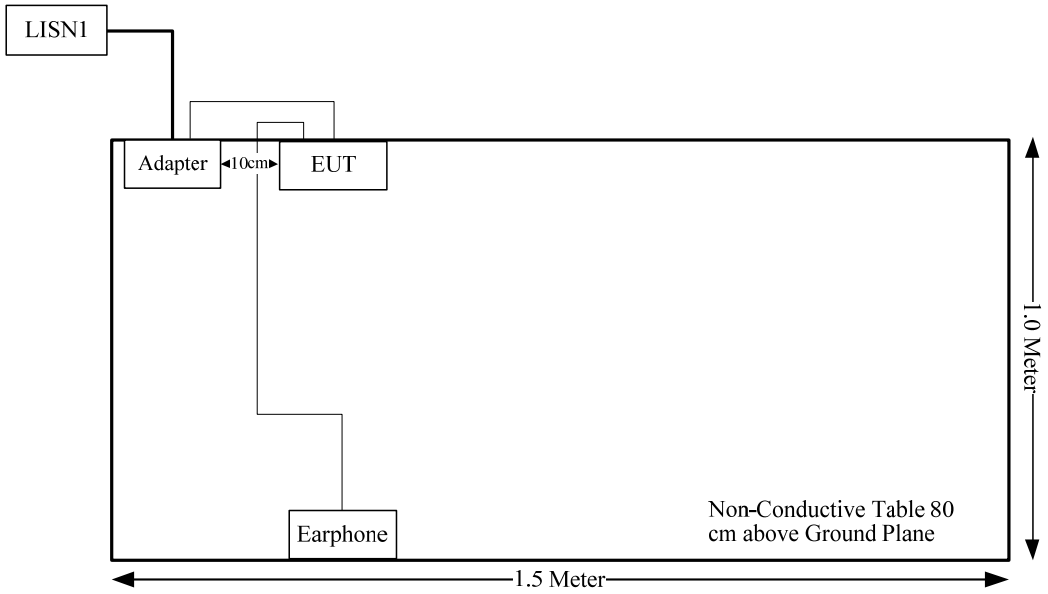
Manufacturer	Description	Model	Serial Number
/	/	/	/

1.2.3 Support Cable List and Details

Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
USB Cable	Yes	No	1.2	Adapter	EUT
Earphone Cable	No	No	1.2	EUT	Earphone

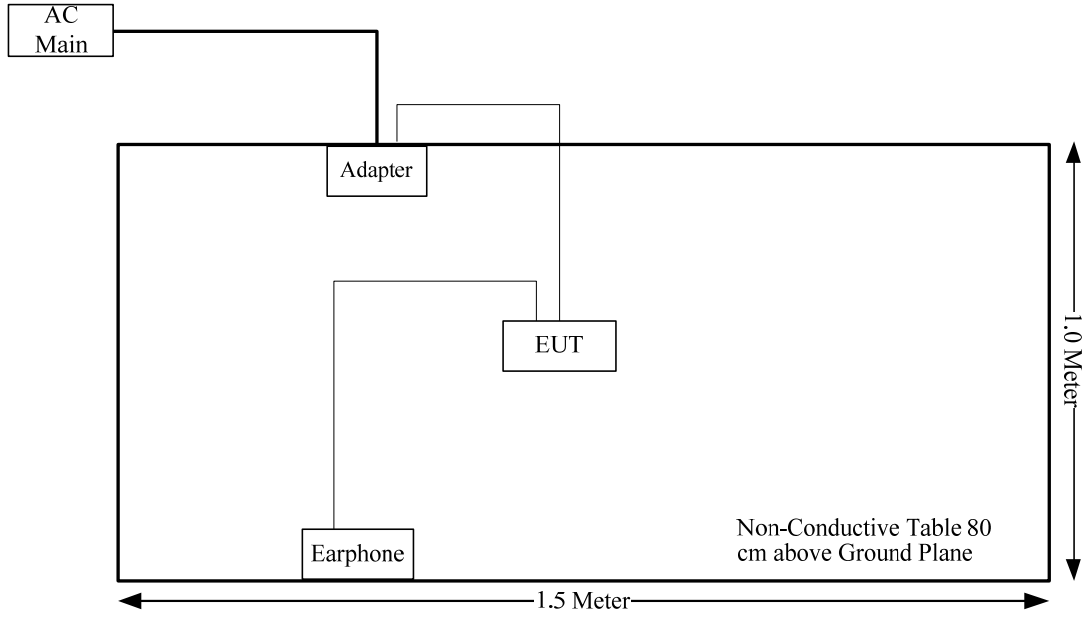
1.2.4 Block Diagram of Test Setup

AC line conducted emissions:

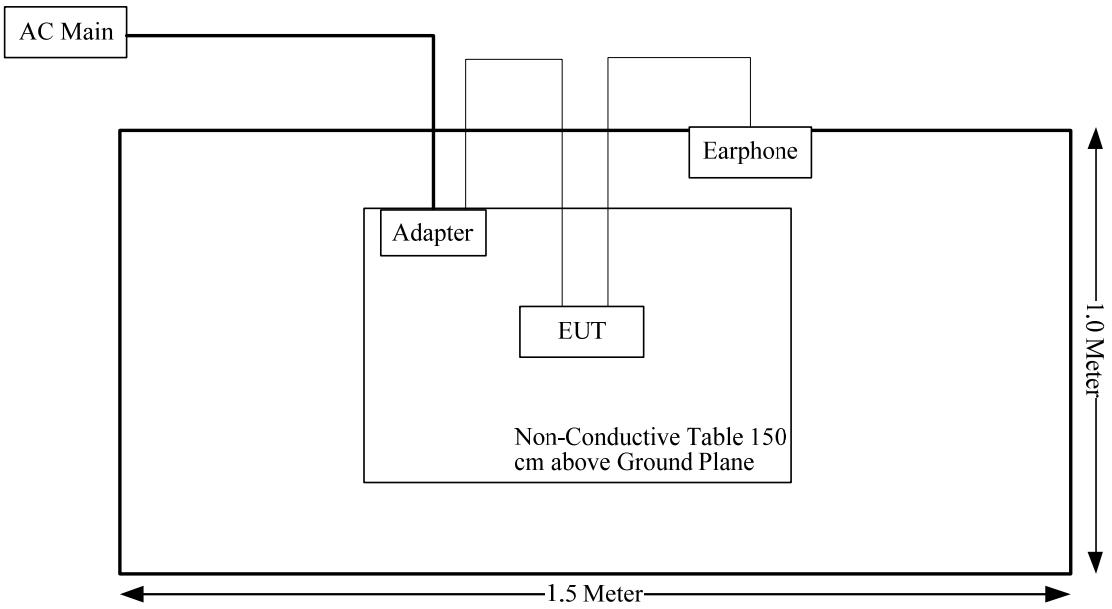


Spurious Emissions:

Below 1GHz:



Above 1GHz:


AC Main
Earphone
Adapter
EUT
Non-Conductive Table 150 cm above Ground Plane
1.0 Meter
1.5 Meter

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	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)	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:

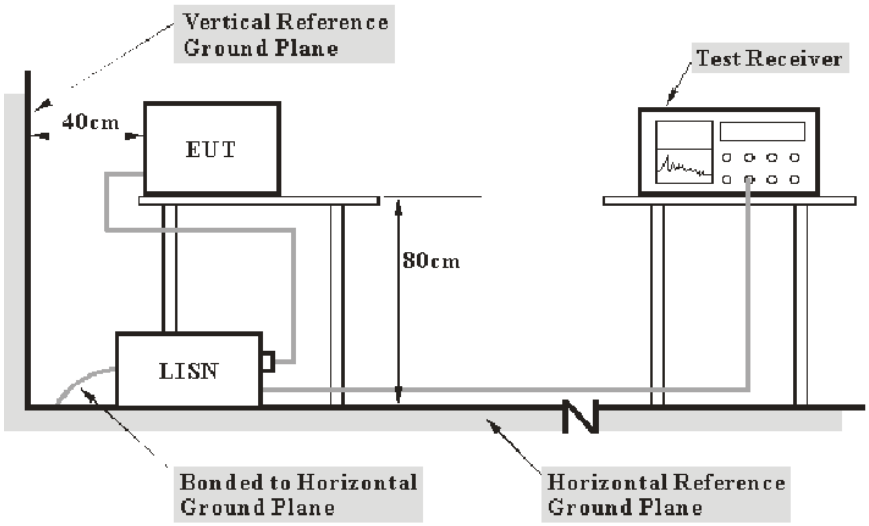
(1) For carrier current system containing their fundamental emission within the frequency band 535-1705 kHz and intended to be received using a standard AM broadcast receiver: no limit on conducted emissions.

(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

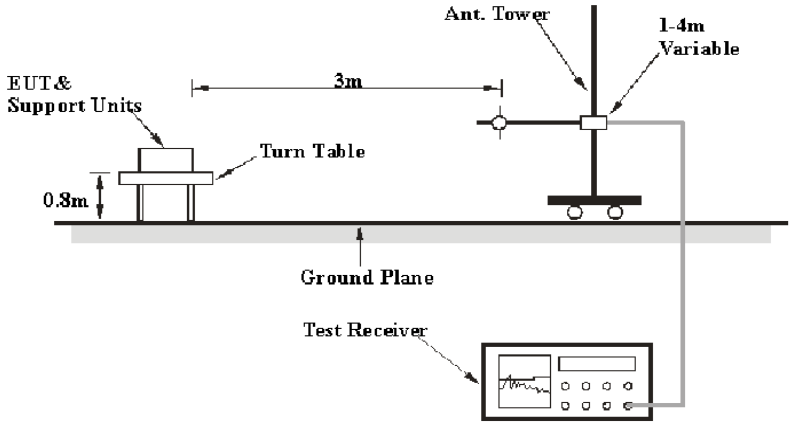
3.2.1 Applicable Standard

FCC §15.247 (d);

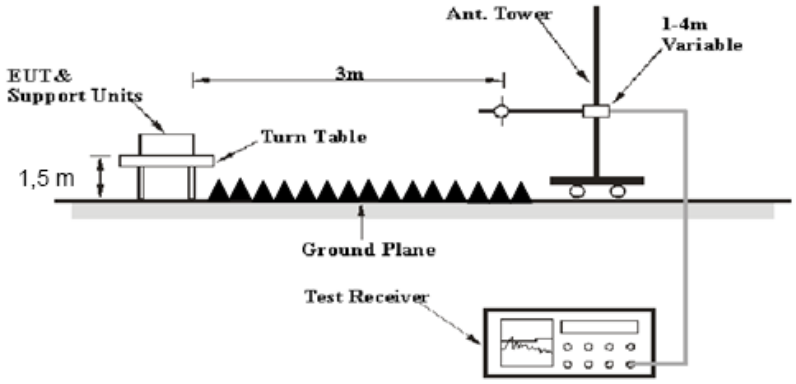
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the 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

Below 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 30 MHz to 25 GHz.

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

30-1000MHz:

Measurement	RBW	Video B/W	IF B/W
QP	120 kHz	300 kHz	120kHz

1GHz- 25GHz:

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

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 30 MHz-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

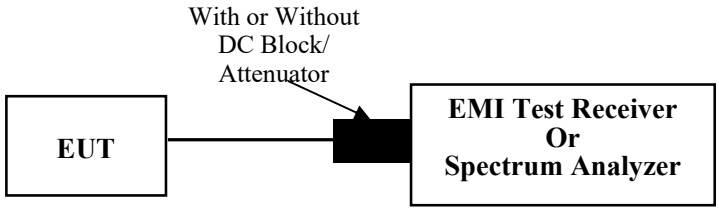
3.3 6 dB Emission Bandwidth:

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



3.3.3Test 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.

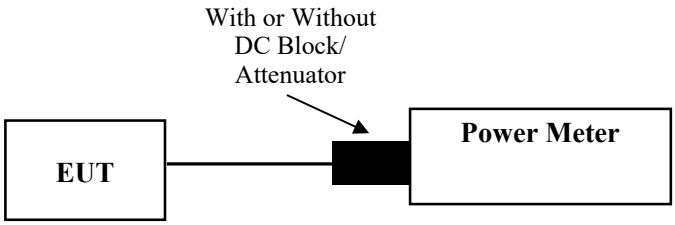
3.4 Maximum conducted output power:

3.4.1 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.

3.4.2 EUT Setup



3.4.3Test Procedure

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.

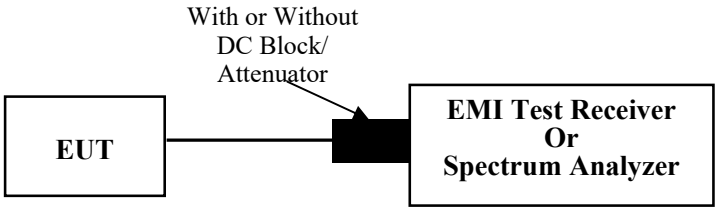
3.5 Maximum power spectral density:

3.5.1 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.

3.5.2 EUT Setup



3.5.3Test Procedure

When Dutycycle ≥98%

Method AVGPSD-1 uses trace averaging with EUT transmitting at full power throughout each sweep.

The following procedure may be used when the maximum (average) conducted output power was used to determine compliance to the fundamental output power limit. This is the baseline method for determining the maximum (average) conducted PSD level. If the instrument has a power averaging (rms) detector, then it must be used; otherwise, use the sample detector. The EUT must be configured to transmit continuously ($D \geq 98\%$), or else sweep triggering/signal gating must be implemented to ensure that measurements are made only when the EUT is transmitting at its maximum power control level (no transmitter OFF time to be considered):

a) Set instrument center frequency to DTS channel center frequency.
b) Set span to at least 1.5 times the OBW.
c) Set RBW to: 3 kHz ≤ RBW ≤ 100 kHz.
d) Set VBW ≥ [3 · RBW].
e) Detector = power averaging (rms) or sample detector (when rms not available).
f) Ensure that the number of measurement points in the sweep ≥ [2 · span / RBW].
g) Sweep time = auto couple.
h) Employ trace averaging (rms) mode over a minimum of 100 traces.
i) Use the peak marker function to determine the maximum amplitude level.
j) If the measured value exceeds requirement, then reduce RBW (but no less than 3 kHz) and repeat (note that this may require zooming in on the emission of interest and reducing the span to meet the minimum measurement point requirement as the RBW is reduced).

When Dutycycle <98%

According to ANSI C63.10-2013 Section 11.10.7

Method AVGPSD-3 uses rms detection across ON and OFF times of the EUT with max hold.

The following procedure is applicable when the EUT cannot be configured to transmit continuously (i.e., D < 98%), when sweep triggering/signal gating cannot be used to measure only when the EUT is transmitting at its maximum power control level, and when the transmission duty cycle is not constant (i.e., duty cycle variations exceed ±2%):

a) Set the instrument span to a minimum of 1.5 times the OBW.
b) Set sweep trigger to "free run."
c) Set RBW to: 3 kHz ≤ RBW ≤ 100 kHz.
d) Set VBW ≥ [3 × RBW].
e) Number of points in sweep ≥ [2 × span / RBW]. (This ensures that bin-to-bin spacing is ≤ RBW / 2, so that narrowband signals are not lost between frequency bins.)
f) Sweep time ≤ (number of points in sweep) × T, where T is defined in 11.6.
g) Detector = RMS (power averaging).
h) Trace mode = max hold.
i) Allow max hold to run for at least 60 s or longer as needed to allow the trace to stabilize.
j) Use the peak marker function to determine the maximum PSD level.
k) If the measured value exceeds requirement, then reduce RBW (but no less than 3 kHz) and repeat (note that this may require zooming in on the emission of interest and reducing the span to meet the minimum measurement point requirement as the RBW is reduced).

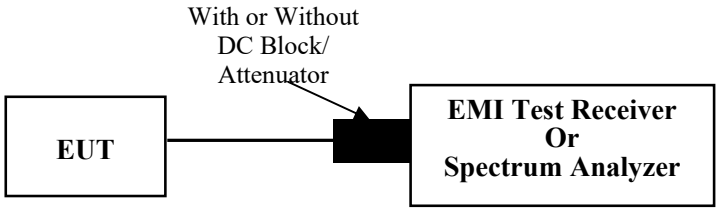
3.6 100 kHz Bandwidth of Frequency Band Edge:

3.6.1 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)).

3.6.2 EUT Setup



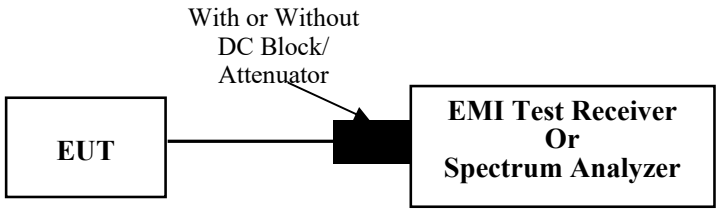
3.6.3 Test Procedure

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.

3.7 Duty Cycle:

3.7.1 EUT Setup



3.7.2Test 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.)

3.8 Antenna Requirement

3.8.1 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.

3.8.2 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:	1WP8	Test Date:	2023/1/3
Test Site:	CE	Test Mode:	Transmitting (802.11b middle channel was the worst)
Tester:	Vic Du	Test Result:	Pass

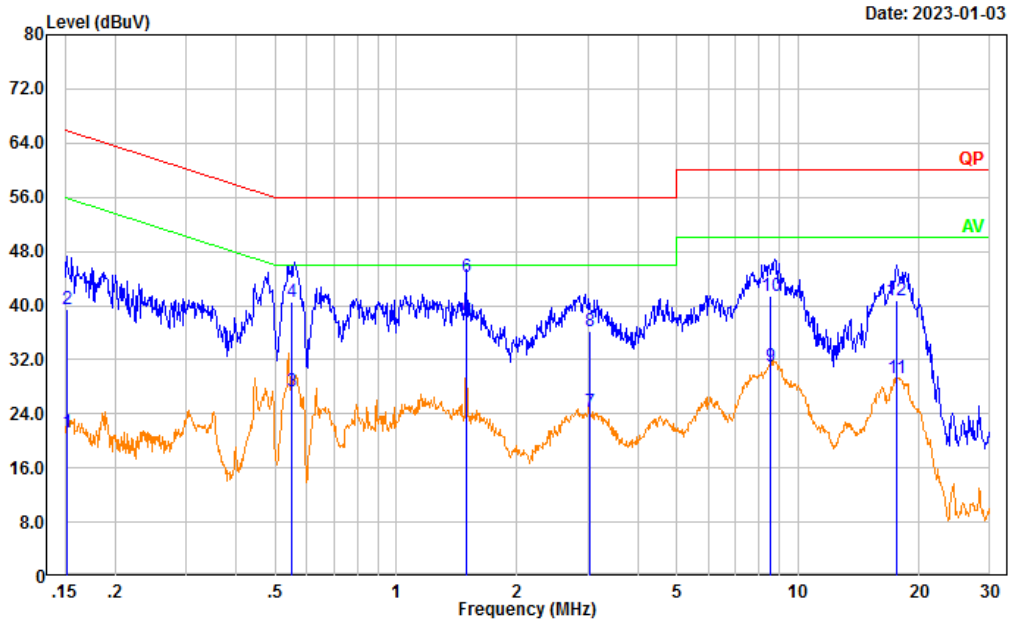
Environmental Conditions:					
Temperature: (℃)	19.8	Relative Humidity: (%)	50	ATM Pressure: (kPa)	101.9

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	LISN	ENV216	101134	2022/4/1	2023/3/31
R&S	EMI Test Receiver	ESR3	102726	2022/7/15	2023/7/14
MICRO-COAX	Coaxial Cable	UTIFLEX	C-0200-01	2022/8/7	2023/8/6
Audix	Test Software	E3	190306 (V9)	N/A	N/A

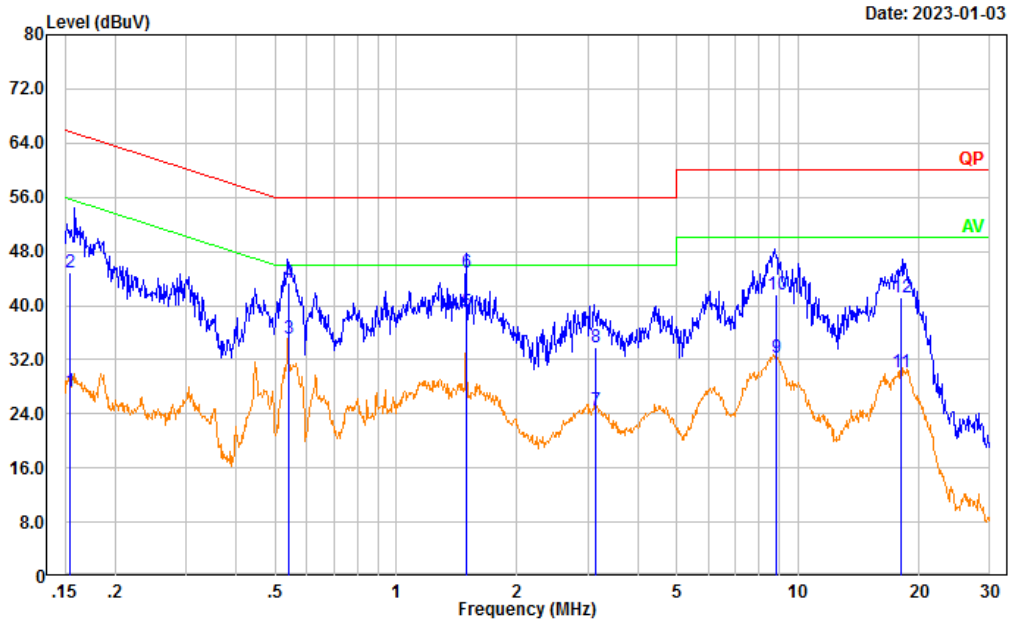
** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Mode: Transmiting
Port: Line
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.152	11.60	9.61	21.21	55.90	34.69	Average
2	0.152	29.86	9.61	39.47	65.90	26.43	QP
3	0.548	17.60	9.61	27.21	46.00	18.79	Average
4	0.548	30.99	9.61	40.60	56.00	15.40	QP
5	1.498	28.16	9.62	37.78	46.00	8.22	Average
6	1.498	34.56	9.62	44.18	56.00	11.82	QP
7	3.033	14.64	9.65	24.29	46.00	21.71	Average
8	3.033	26.61	9.65	36.26	56.00	19.74	QP
9	8.538	21.27	9.67	30.94	50.00	19.06	Average
10	8.538	31.75	9.67	41.42	60.00	18.58	QP
11	17.529	19.48	9.74	29.22	50.00	20.78	Average
12	17.529	30.94	9.74	40.68	60.00	19.32	QP

Test Mode: Transmiting
Port: neutral
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.154	17.73	9.61	27.34	55.77	28.43	Average
2	0.154	35.30	9.61	44.91	65.77	20.86	QP
3	0.541	25.46	9.61	35.07	46.00	10.93	Average
4	0.541	33.79	9.61	43.40	56.00	12.60	QP
5	1.498	29.44	9.62	39.06	46.00	6.94	Average
6	1.498	35.24	9.62	44.86	56.00	11.14	QP
7	3.125	14.93	9.65	24.58	46.00	21.42	Average
8	3.125	24.08	9.65	33.73	56.00	22.27	QP
9	8.844	22.60	9.67	32.27	50.00	17.73	Average
10	8.844	32.06	9.67	41.73	60.00	18.27	QP
11	18.042	20.42	9.69	30.11	50.00	19.89	Average
12	18.042	31.44	9.69	41.13	60.00	18.87	QP

4.2 Radiation Spurious Emissions

Serial Number:	1WP8	Test Date:	2023/1/11~2023/1/12
Test Site:	966-1, 966-2	Test Mode:	Transmitting
Tester:	Carl Xue, coco Tian	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	22.3~23.4	Relative Humidity: (%)	60~66	ATM Pressure: (kPa)	100.8~101.2

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Sunol Sciences	Antenna	JB6	A082520-5	2020/10/19	2023/10/18
R&S	EMI Test Receiver	ESR3	102724	2022/7/15	2023/7/14
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0470-02	2022/7/17	2023/7/16
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0780-01	2022/7/17	2023/7/16
Sonoma	Amplifier	310N	186165	2022/7/17	2023/7/16
Audix	Test Software	E3	201021 (V9)	N/A	N/A
ETS-Lindgren	Horn Antenna	3115	9912-5985	2020/10/13	2023/10/12
R&S	Spectrum Analyzer	FSV40	101591	2022/7/15	2023/7/14
MICRO-COAX	Coaxial Cable	UFA210A-1-1200-70U300	217423-008	2022/8/7	2023/8/6
MICRO-COAX	Coaxial Cable	UFA210A-1-2362-300300	235780-001	2022/8/7	2023/8/6
Mini	Pre-amplifier	ZVA-183-S+	5969001149	2022/11/9	2023/11/8
PASTERNACK	Horn Antenna	PE9852/2F-20	112002	2021/2/5	2024/2/4
AH	Preamplifier	PAM-1840VH	190	2022/11/9	2023/11/8
MICRO-COAX	Coaxial Cable	UFB142A-1-2362-200200	235772-001	2022/8/7	2023/8/6
E-Microwave	Band Rejection Filter	2400-2483.5MHz	OE01902424	2022/8/7	2023/8/6
Mini Circuits	High Pass Filter	VHF-6010+	31119	2022/8/7	2023/8/6

** 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).*

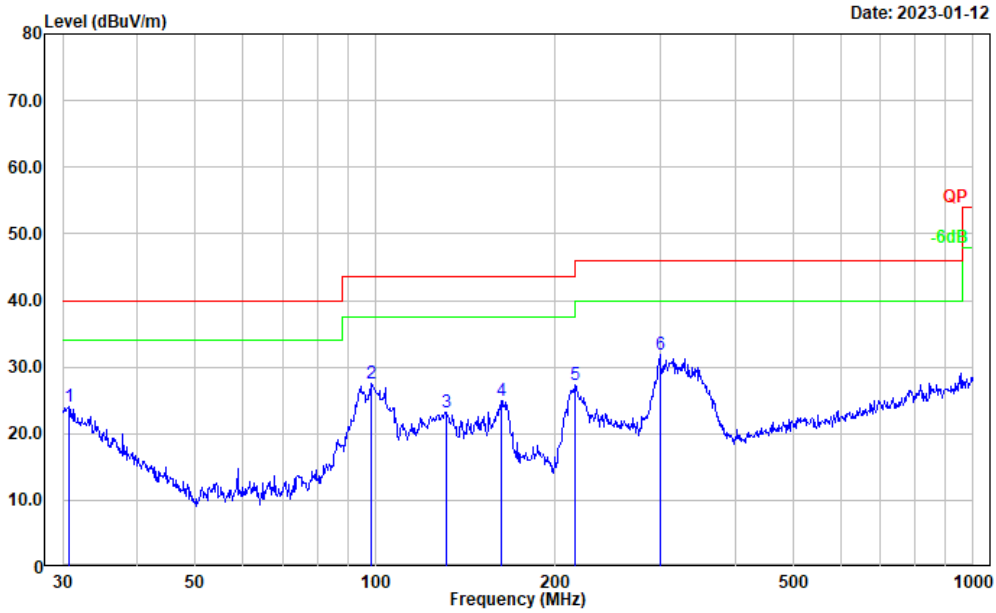
Test Data:

Please refer to the below table and plots.

Note: The device can be mounted in multiple orientations, test was performed with X,Y, Z Axis according to C63.10 Figure 8, the worst orientation was photographed and it`s data was recorded.

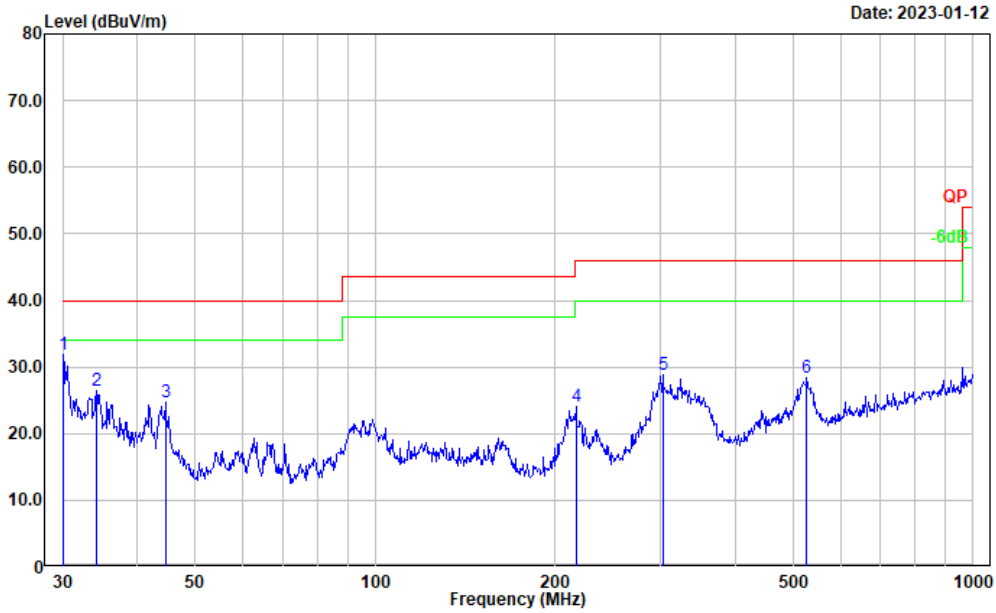
1) 30MHz-1GHz(802.11n ht40 High channel was the worst)

Test Mode: Transmitting
Polarization: horizontal
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.745	28.30	-4.17	24.13	40.00	15.87	Peak
2	98.487	42.10	-14.66	27.44	43.50	16.06	Peak
3	131.758	34.53	-11.39	23.14	43.50	20.36	Peak
4	162.611	37.30	-12.31	24.99	43.50	18.51	Peak
5	215.268	39.89	-12.61	27.28	43.50	16.22	Peak
6	299.316	42.48	-10.65	31.83	46.00	14.17	Peak

Test Mode: Transmitting
Polarization: vertical
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.000	35.52	-3.60	31.92	40.00	8.08	Peak
2	34.156	33.22	-6.79	26.43	40.00	13.57	Peak
3	44.587	38.68	-14.00	24.68	40.00	15.32	Peak
4	216.783	36.69	-12.68	24.01	46.00	21.99	Peak
5	302.481	39.54	-10.61	28.93	46.00	17.07	Peak
6	526.397	34.30	-5.91	28.39	46.00	17.61	Peak

2) 1-25GHz:
802.11b 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							
2412.000	71.17	PK	H	31.53	102.70	N/A	N/A
2412.000	67.72	AV	H	31.53	99.25	N/A	N/A
2412.000	72.32	PK	V	31.53	103.85	N/A	N/A
2412.000	68.43	AV	V	31.53	99.96	N/A	N/A
2390.000	23.85	PK	V	31.46	55.31	74.00	18.69
2390.000	12.05	AV	V	31.46	43.51	54.00	10.49
4824.000	44.05	PK	V	10.94	54.99	74.00	19.01
4824.000	40.03	AV	V	10.94	50.97	54.00	**3.03**
7236.000	37.07	PK	V	14.44	51.51	74.00	22.49
7236.000	23.69	AV	V	14.44	38.13	54.00	15.87
Middle Channel: 2437 MHz							
2437.000	70.93	PK	H	31.60	102.53	N/A	N/A
2437.000	66.56	AV	H	31.60	98.16	N/A	N/A
2437.000	72.08	PK	V	31.60	103.68	N/A	N/A
2437.000	68.25	AV	V	31.60	99.85	N/A	N/A
4874.000	43.29	PK	V	11.05	54.34	74.00	19.66
4874.000	39.69	AV	V	11.05	50.74	54.00	3.26
7311.000	35.99	PK	V	14.80	50.79	74.00	23.21
7311.000	23.54	AV	V	14.80	38.34	54.00	15.66
High Channel: 2472MHz							
2472.000	71.35	PK	H	31.64	102.99	N/A	N/A
2472.000	68.77	AV	H	31.64	100.41	N/A	N/A
2472.000	72.45	PK	V	31.64	104.09	N/A	N/A
2472.000	69.23	AV	V	31.64	100.87	N/A	N/A
2483.500	31.53	PK	V	31.64	63.17	74.00	10.83
2483.500	21.98	AV	V	31.64	53.62	54.00	0.38
4944.000	40.47	PK	V	11.23	51.70	74.00	22.30
4944.000	36.12	AV	V	11.23	47.35	54.00	6.65
7416.000	33.35	PK	V	15.06	48.41	74.00	25.59
7416.000	21.18	AV	V	15.06	36.24	54.00	17.76

802.11g 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							
2412.000	63.06	PK	H	31.53	94.59	N/A	N/A
2412.000	53.53	AV	H	31.53	85.06	N/A	N/A
2412.000	65.82	PK	V	31.53	97.35	N/A	N/A
2412.000	56.19	AV	V	31.53	87.72	N/A	N/A
2390.000	25.09	PK	V	31.46	56.55	74.00	17.45
2390.000	12.18	AV	V	31.46	43.64	54.00	10.36
4824.000	35.30	PK	V	10.94	46.24	74.00	27.76
4824.000	23.51	AV	V	10.94	34.45	54.00	19.55
7236.000	36.07	PK	V	14.44	50.51	74.00	23.49
7236.000	22.96	AV	V	14.44	37.40	54.00	16.60
Middle Channel: 2437 MHz							
2437.000	63.32	PK	H	31.60	94.92	N/A	N/A
2437.000	53.82	AV	H	31.60	85.42	N/A	N/A
2437.000	66.10	PK	V	31.60	97.70	N/A	N/A
2437.000	56.49	AV	V	31.60	88.09	N/A	N/A
4874.000	35.78	PK	V	11.05	46.83	74.00	27.17
4874.000	23.99	AV	V	11.05	35.04	54.00	18.96
7311.000	36.06	PK	V	14.80	50.86	74.00	23.14
7311.000	23.92	AV	V	14.80	38.72	54.00	15.28
High Channel: 2472MHz							
2472.000	62.13	PK	H	31.64	93.77	N/A	N/A
2472.000	53.07	AV	H	31.64	84.71	N/A	N/A
2472.000	62.84	PK	V	31.64	94.48	N/A	N/A
2472.000	53.55	AV	V	31.64	85.19	N/A	N/A
2483.500	27.70	PK	V	31.64	59.34	74.00	14.66
2483.500	14.78	AV	V	31.64	46.42	54.00	7.58
4944.000	35.18	PK	V	11.23	46.41	74.00	27.59
4944.000	23.09	AV	V	11.23	34.32	54.00	19.68
7416.000	34.11	PK	V	15.06	49.17	74.00	24.83
7416.000	22.06	AV	V	15.06	37.12	54.00	16.88

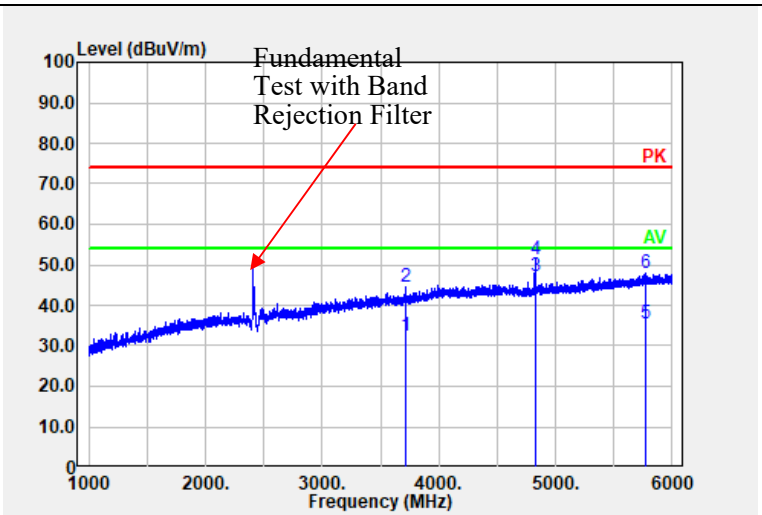
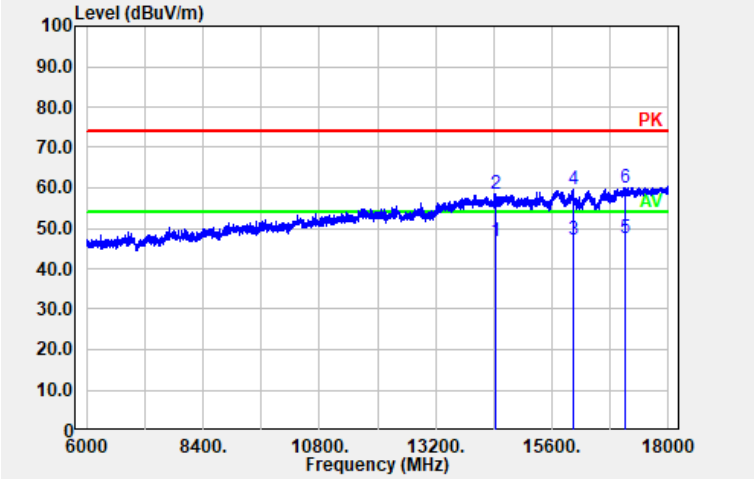
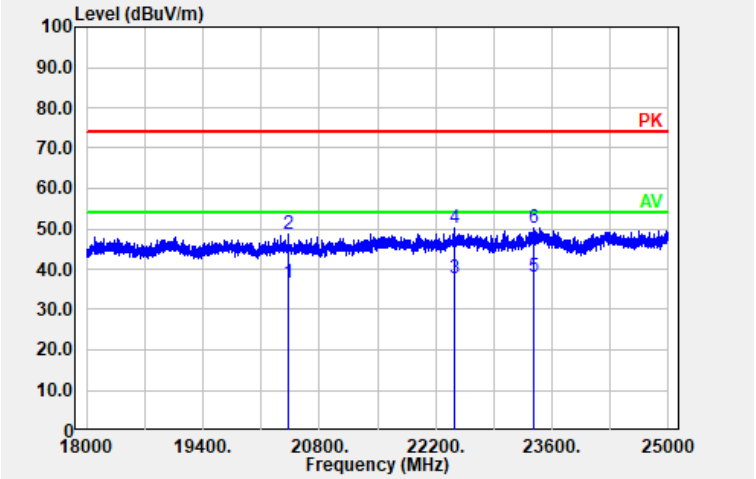
802.11n ht20 Mode:

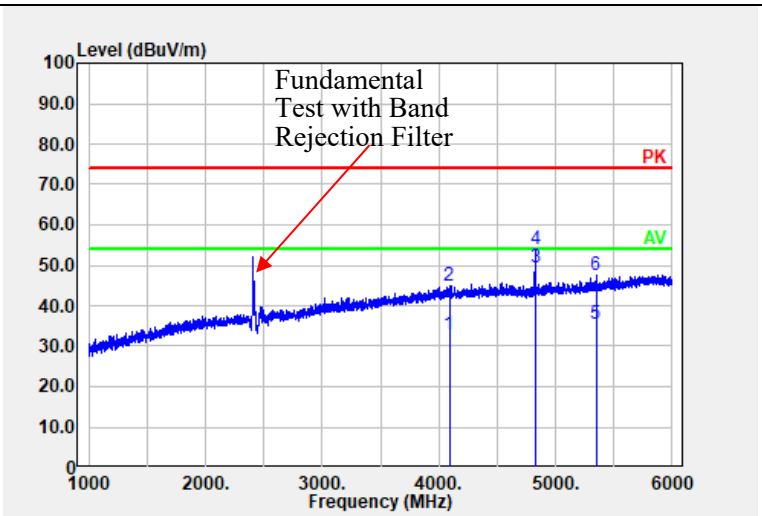
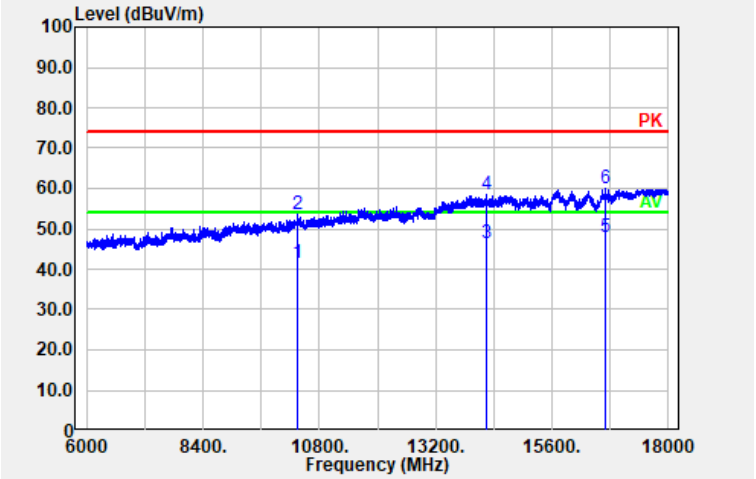
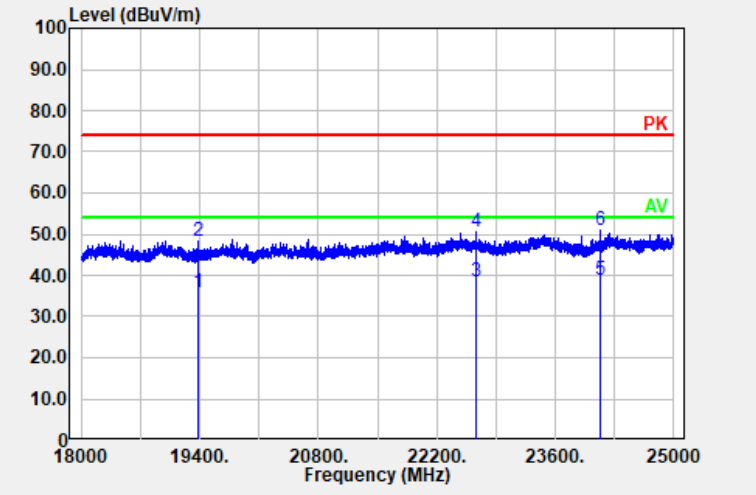
Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 2412 MHz							
2412.000	62.81	PK	H	31.53	94.34	N/A	N/A
2412.000	53.25	AV	H	31.53	84.78	N/A	N/A
2412.000	65.57	PK	V	31.53	97.10	N/A	N/A
2412.000	55.83	AV	V	31.53	87.36	N/A	N/A
2390.000	24.78	PK	V	31.46	56.24	74.00	17.76
2390.000	12.07	AV	V	31.46	43.53	54.00	10.47
4824.000	35.21	PK	V	10.94	46.15	74.00	27.85
4824.000	23.14	AV	V	10.94	34.08	54.00	19.92
7236.000	35.20	PK	V	14.44	49.64	74.00	24.36
7236.000	23.23	AV	V	14.44	37.67	54.00	16.33
Middle Channel: 2437 MHz							
2437.000	62.75	PK	H	31.60	94.35	N/A	N/A
2437.000	53.18	AV	H	31.60	84.78	N/A	N/A
2437.000	65.50	PK	V	31.60	97.10	N/A	N/A
2437.000	55.81	AV	V	31.60	87.41	N/A	N/A
4874.000	35.52	PK	V	11.05	46.57	74.00	27.43
4874.000	22.74	AV	V	11.05	33.79	54.00	20.21
7311.000	35.02	PK	V	14.80	49.82	74.00	24.18
7311.000	22.93	AV	V	14.80	37.73	54.00	16.27
High Channel: 2472MHz							
2472.000	60.92	PK	H	31.64	92.56	N/A	N/A
2472.000	50.46	AV	H	31.64	82.10	N/A	N/A
2472.000	61.62	PK	V	31.64	93.26	N/A	N/A
2472.000	51.34	AV	V	31.64	82.98	N/A	N/A
2483.500	28.73	PK	V	31.64	60.37	74.00	13.63
2483.500	16.22	AV	V	31.64	47.86	54.00	6.14
4944.000	35.48	PK	V	11.23	46.71	74.00	27.29
4944.000	23.24	AV	V	11.23	34.47	54.00	19.53
7416.000	34.16	PK	V	15.06	49.22	74.00	24.78
7416.000	22.08	AV	V	15.06	37.14	54.00	16.86

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							
2422.000	57.56	PK	H	31.56	89.12	N/A	N/A
2422.000	48.58	AV	H	31.56	80.14	N/A	N/A
2422.000	60.70	PK	V	31.56	92.26	N/A	N/A
2422.000	51.47	AV	V	31.56	83.03	N/A	N/A
2390.000	24.77	PK	V	31.46	56.23	74.00	17.77
2390.000	13.83	AV	V	31.46	45.29	54.00	8.71
4844.000	36.28	PK	V	10.96	47.24	74.00	26.76
4844.000	24.32	AV	V	10.96	35.28	54.00	18.72
7266.000	35.87	PK	V	14.63	50.50	74.00	23.50
7266.000	23.55	AV	V	14.63	38.18	54.00	15.82
Middle Channel: 2437 MHz							
2437.000	57.85	PK	H	31.60	89.45	N/A	N/A
2437.000	48.82	AV	H	31.60	80.42	N/A	N/A
2437.000	61.09	PK	V	31.60	92.69	N/A	N/A
2437.000	51.76	AV	V	31.60	83.36	N/A	N/A
4874.000	35.80	PK	V	11.05	46.85	74.00	27.15
4874.000	23.09	AV	V	11.05	34.14	54.00	19.86
7311.000	36.17	PK	V	14.80	50.97	74.00	23.03
7311.000	23.01	AV	V	14.80	37.81	54.00	16.19
High Channel: 2462MHz							
2462.000	57.88	PK	H	31.63	89.51	N/A	N/A
2462.000	47.34	AV	H	31.63	78.97	N/A	N/A
2462.000	59.20	PK	V	31.63	90.83	N/A	N/A
2462.000	49.10	AV	V	31.63	80.73	N/A	N/A
2483.500	30.04	PK	V	31.64	61.68	74.00	12.32
2483.500	15.51	AV	V	31.64	47.15	54.00	6.85
4924.000	35.12	PK	V	11.18	46.30	74.00	27.70
4924.000	23.06	AV	V	11.18	34.24	54.00	19.76
7386.000	34.02	PK	V	14.89	48.91	74.00	25.09
7386.000	22.01	AV	V	14.89	36.90	54.00	17.10

Worst Test plots(802.11b low channel was the worst)

Horizontal	
1-6GHz	
6-18GHz	
18-25GHz	

Vertical	
1-6GHz	
6-18GHz	
18-25GHz	

4.3 6 dB Emission Bandwidth:

Serial Number:	1WP8	Test Date:	2023/1/7~2023/2/6
Test Site:	RF	Test Mode:	Transmitting
Tester:	Julie Tan	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	20.2~21.1	Relative Humidity: (%)	46~65	ATM Pressure: (kPa)	101.2~101.8

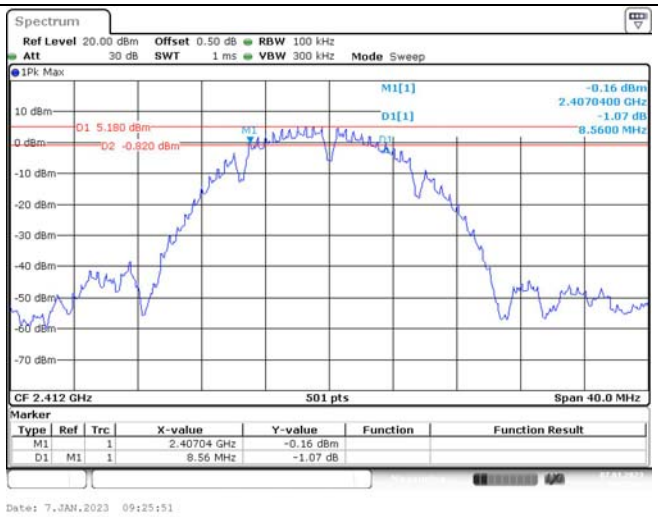
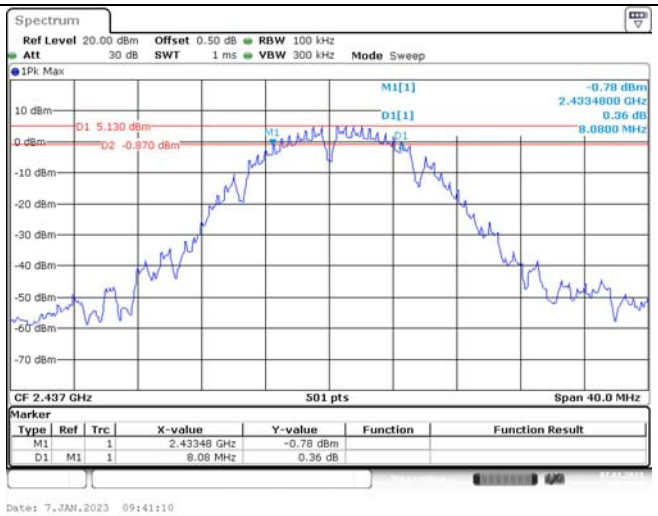
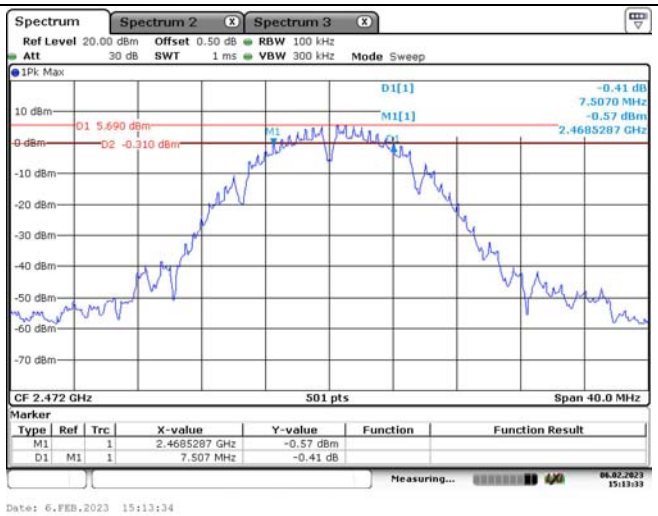
Test Equipment List and Details:

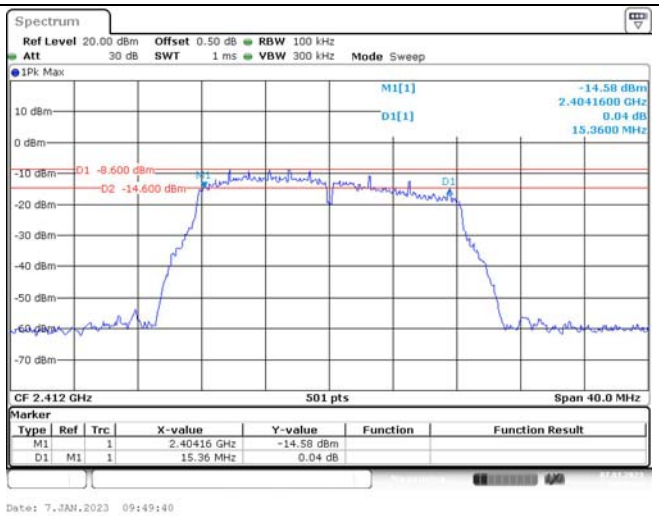
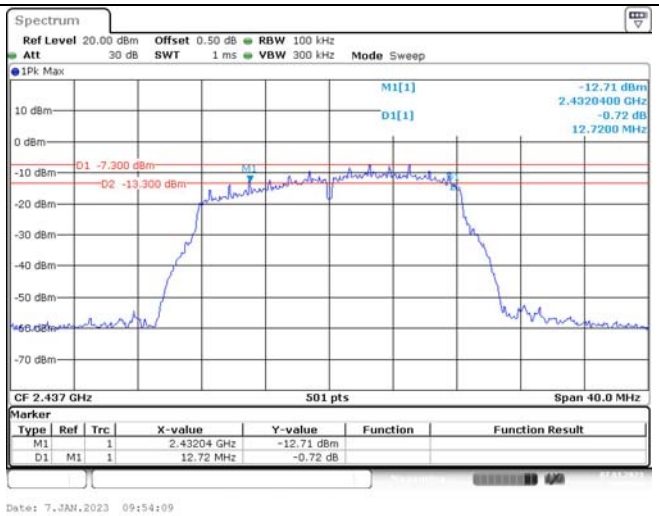
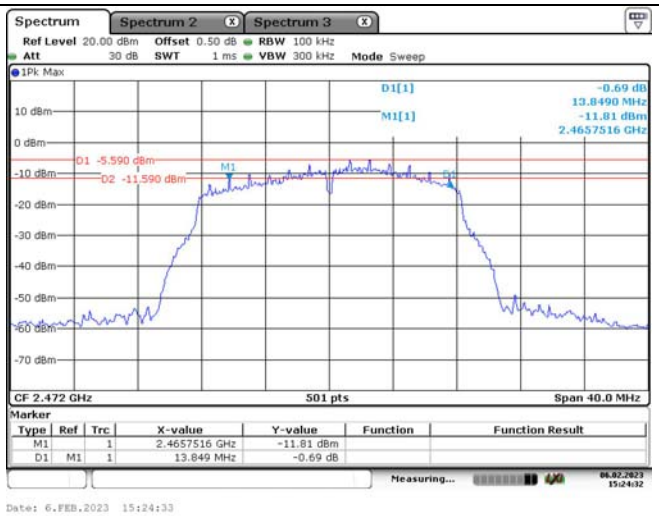
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101943	2022/7/25	2023/7/24
zhuoxiang	Coaxial Cable	SMA-178	211003	Each time	N/A
Mini-Circuits	DC Block	BLK-18-S+	1554404	Each time	N/A

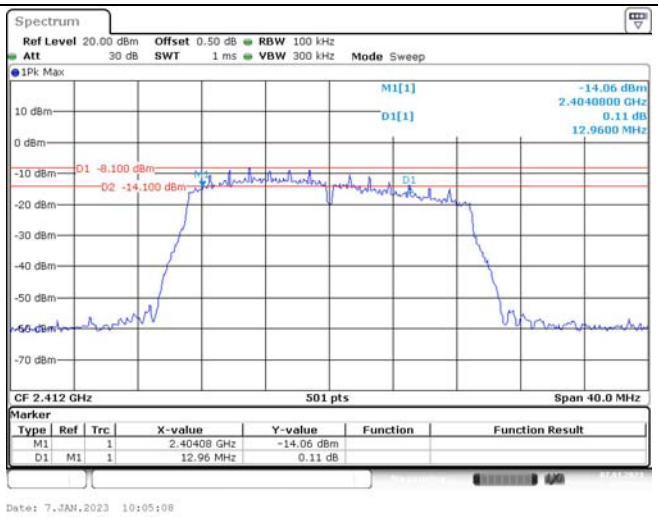
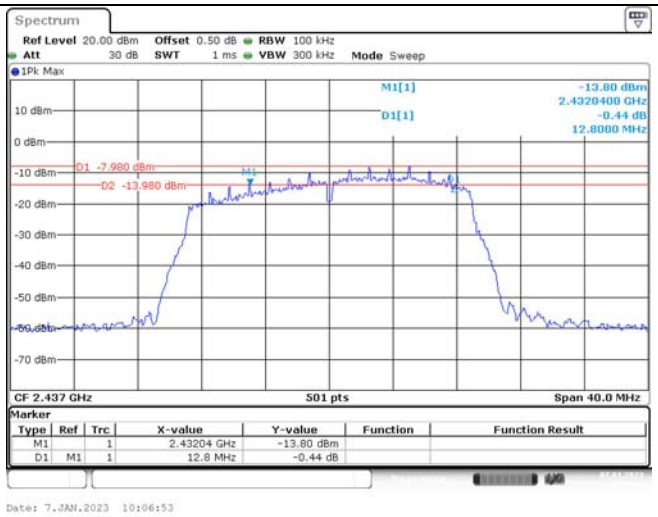
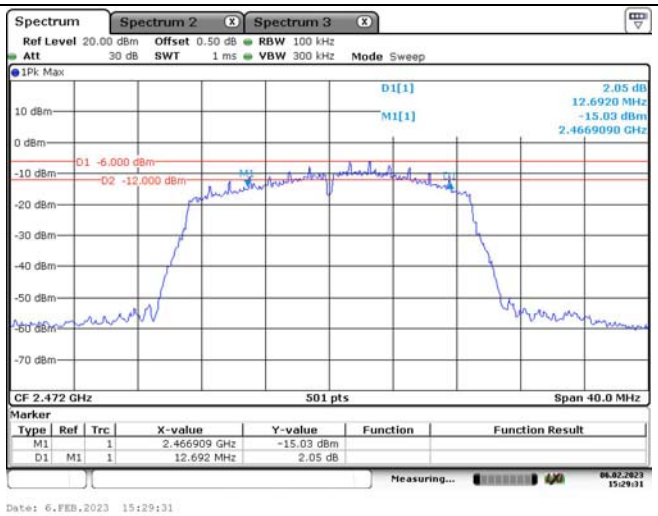
** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

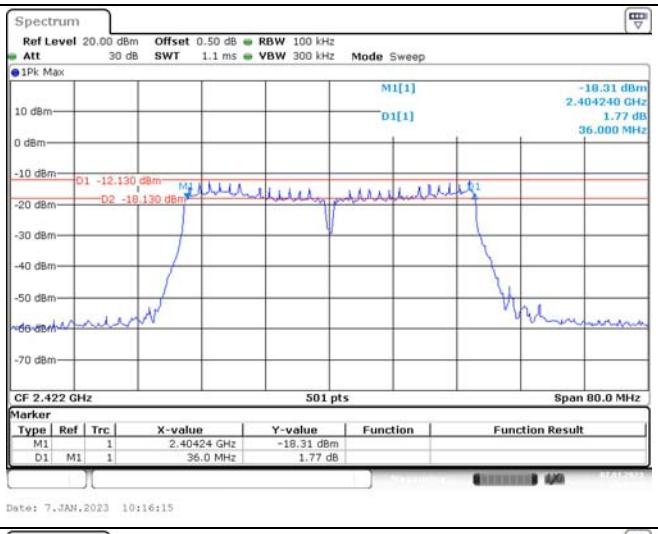
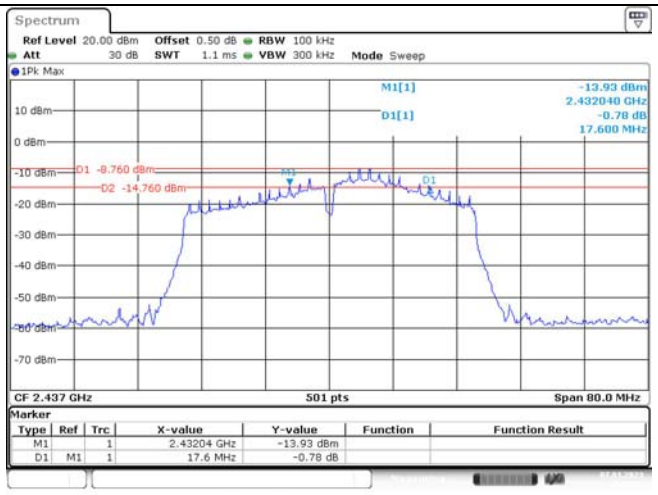
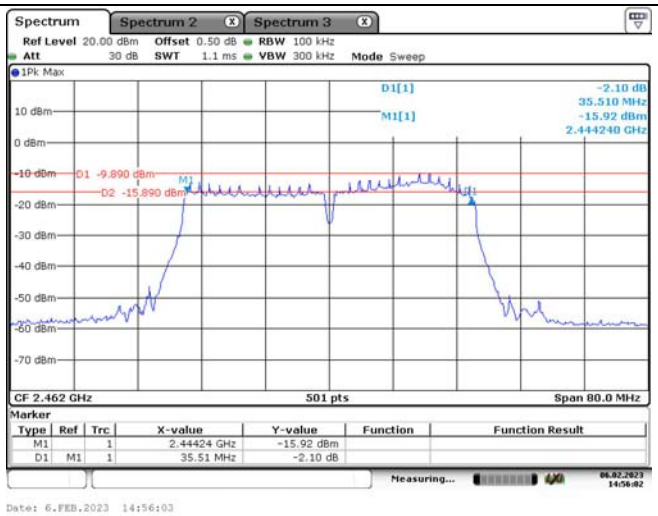
Test Data:

Test Modes	Test Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)
802.11b	2412	8.56	0.5
	2437	8.08	0.5
	2472	7.51	0.5
802.11g	2412	15.36	0.5
	2437	12.72	0.5
	2472	13.85	0.5
802.11n ht20	2412	12.96	0.5
	2437	12.8	0.5
	2472	12.69	0.5
802.11n ht40	2422	36	0.5
	2437	17.6	0.5
	2462	35.51	0.5

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	

4.4 99% Occupied Bandwidth:

Serial Number:	1WP8	Test Date:	2023/1/7~2023/2/6
Test Site:	RF	Test Mode:	Transmitting
Tester:	Julie Tan	Test Result:	N/A

Environmental Conditions:					
Temperature: (℃)	20.2~21.1	Relative Humidity: (%)	46~65	ATM Pressure: (kPa)	101.2~101.8

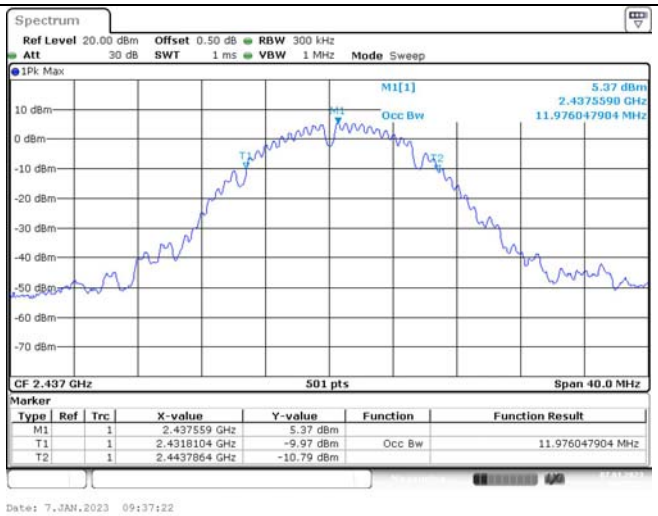
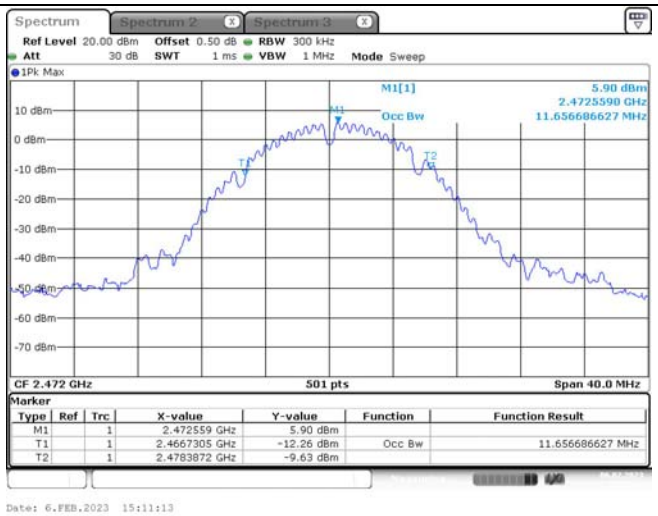
Test Equipment List and Details:

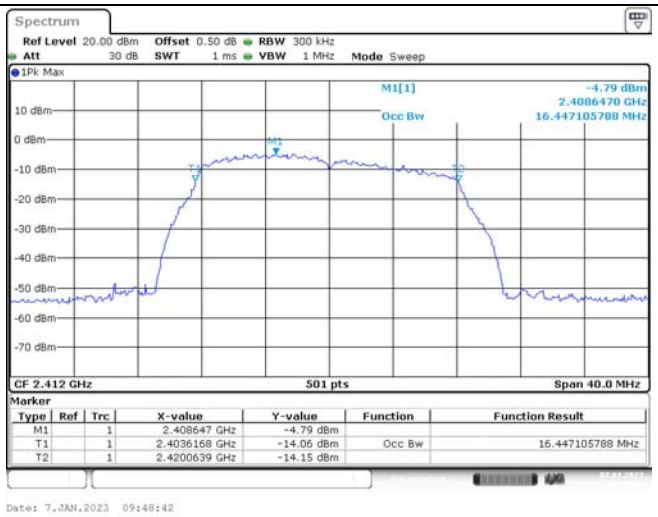
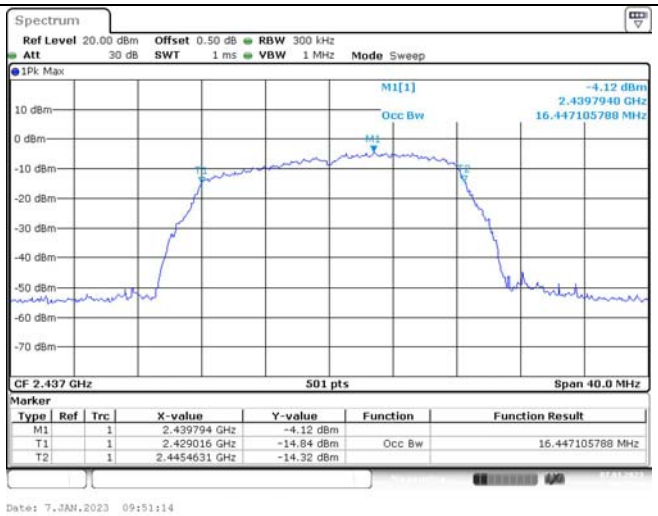
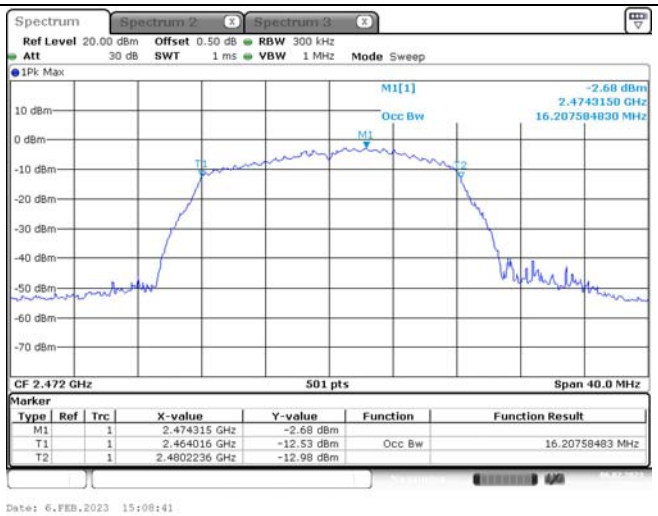
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101943	2022/7/25	2023/7/24
zhuoxiang	Coaxial Cable	SMA-178	211003	Each time	N/A
Mini-Circuits	DC Block	BLK-18-S+	1554404	Each time	N/A

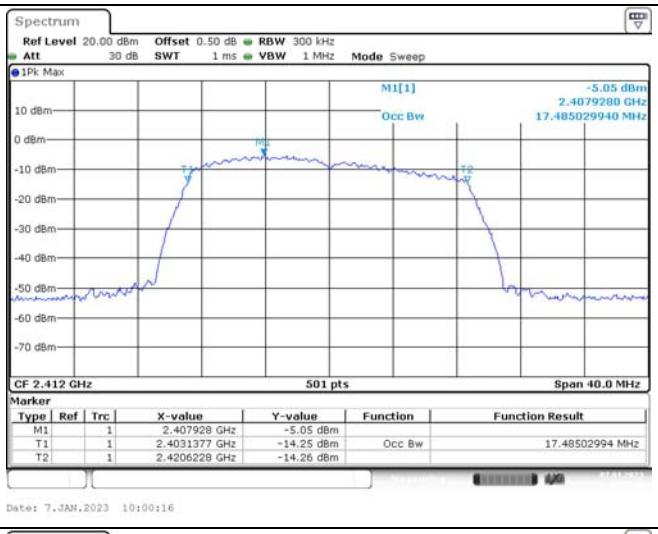
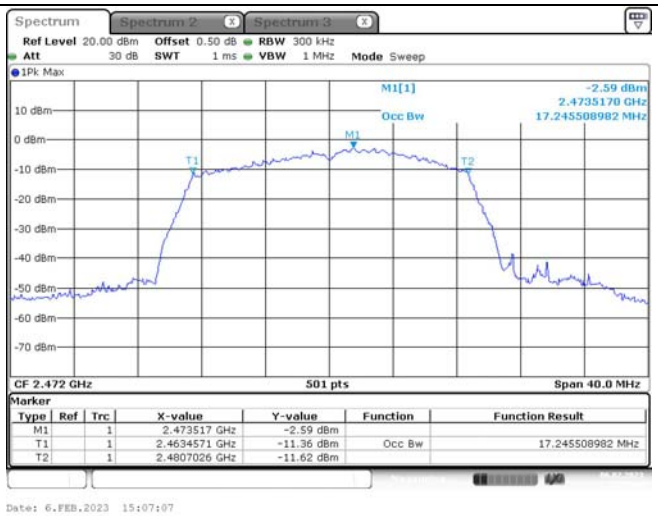
** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

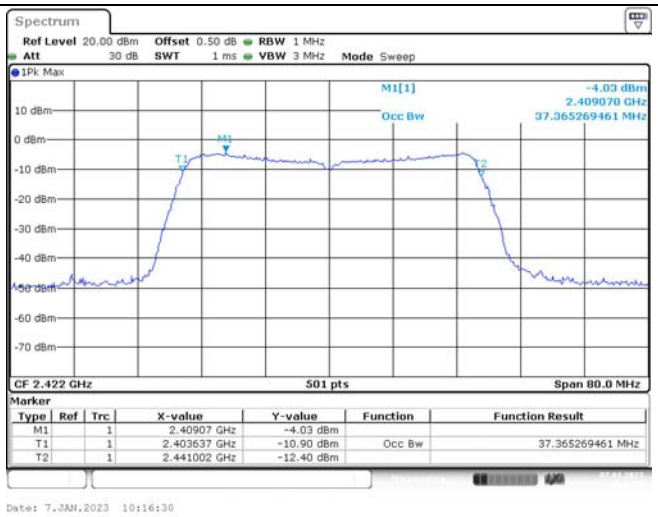
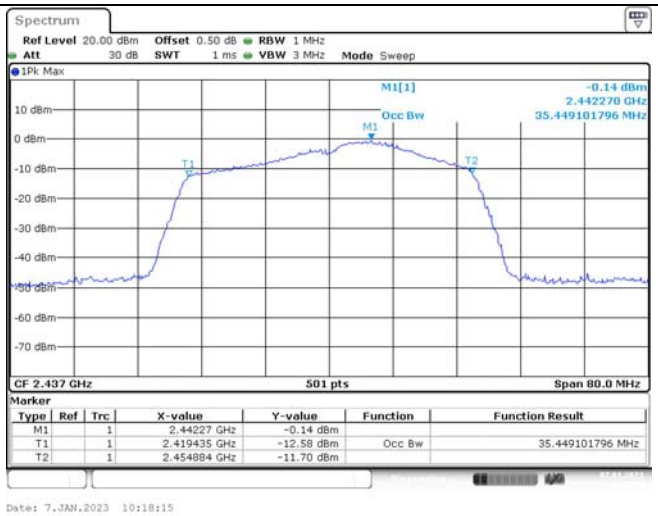
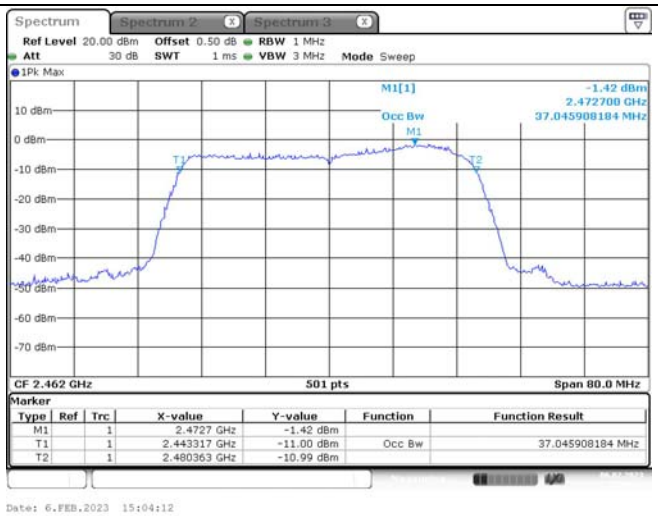
Test Data:

Test Modes	Test Channel	Test Frequency (MHz)	99% Occupied Bandwidth (MHz)
802.11b	Lowest	2412	13.014
	Middle	2437	11.976
	Highest	2472	11.657
802.11g	Lowest	2412	16.447
	Middle	2437	16.447
	Highest	2472	16.208
802.11n ht20	Lowest	2412	17.485
	Middle	2437	17.485
	Highest	2472	17.246
802.11n ht40	Lowest	2422	37.365
	Middle	2437	35.449
	Highest	2462	37.046

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	

4.5 Maximum conducted output power:

Serial Number:	1WP8	Test Date:	2023/1/7~2023/2/6
Test Site:	RF	Test Mode:	Transmitting
Tester:	Julie Tan	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	20.2~21.1	Relative Humidity: (%)	46~65	ATM Pressure: (kPa)	101.2~101.8

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Agilent	USB Wideband Power Sensor	U2021XA	MY54080015	2022/7/15	2023/7/14
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060302	Each time	N/A
zhuoxiang	Coaxial Cable	SMA-178	211003	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 Channel	Test Frequency (MHz)	Maximum Conducted Average Output Power (dBm)	Limit (dBm)
802.11b	Lowest	2412	12.21	30
	Middle	2437	12.07	30
	Highest	2472	12.38	30
802.11g	Lowest	2412	6.33	30
	Middle	2437	6.11	30
	Highest	2472	6.78	30
802.11n ht20	Lowest	2412	6.09	30
	Middle	2437	6.61	30
	Highest	2472	6.55	30
802.11n ht40	Lowest	2422	6.65	30
	Middle	2437	6.15	30
	Highest	2462	6.74	30

4.5 Maximum power spectral density:

Serial Number:	1WP8	Test Date:	2023/2/24
Test Site:	RF	Test Mode:	Transmitting
Tester:	Julie Tan	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	22.3	Relative Humidity: (%)	48	ATM Pressure: (kPa)	101.4

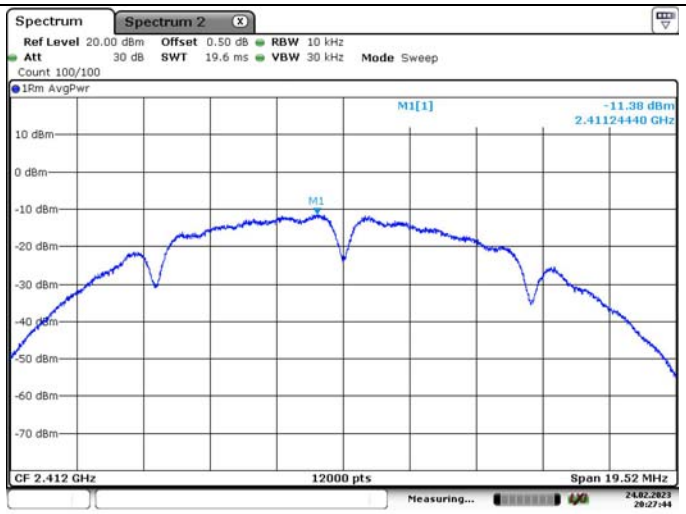
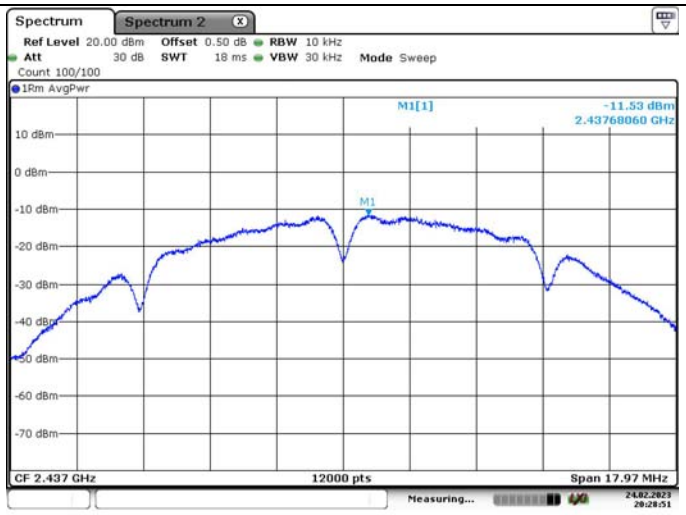
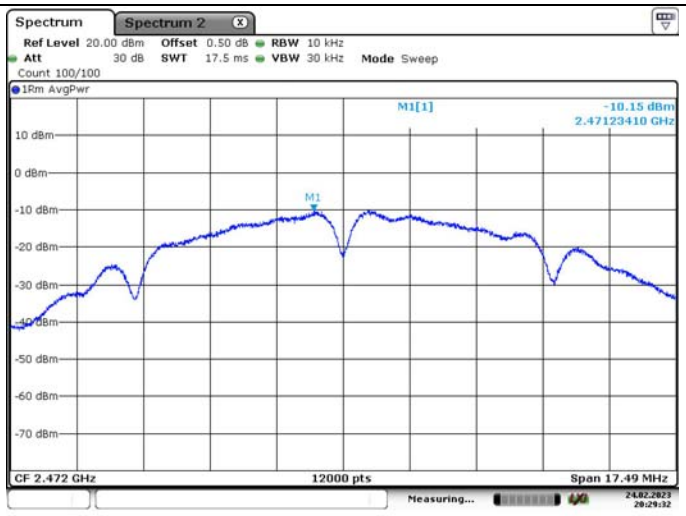
Test Equipment List and Details:

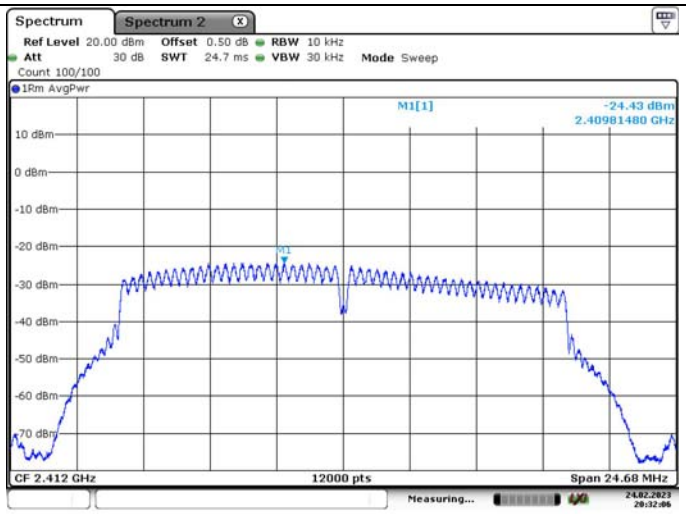
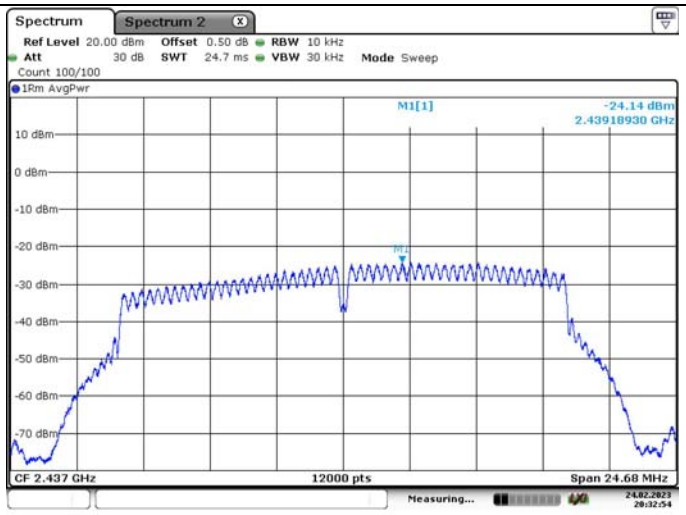
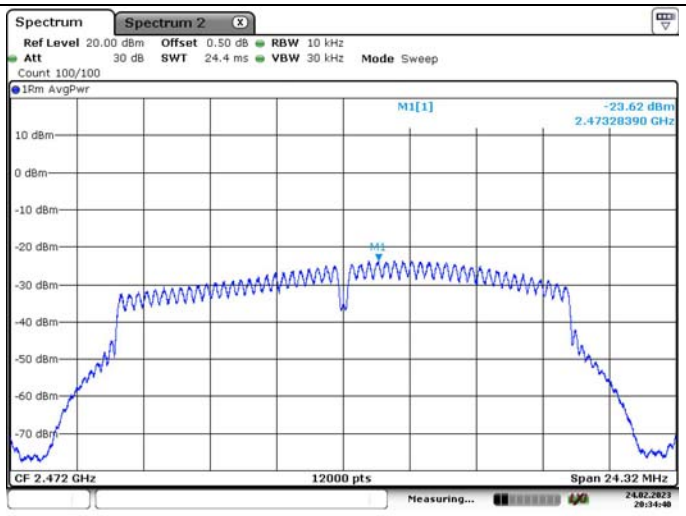
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101474	2022/07/15	2023/07/14
zhuoxiang	Coaxial Cable	SMA-178	211003	Each time	N/A
Mini-Circuits	DC Block	BLK-18-S+	1554404	Each time	N/A

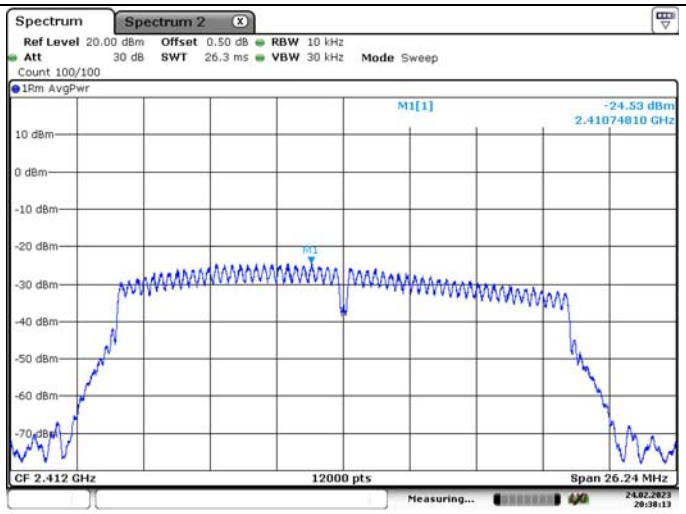
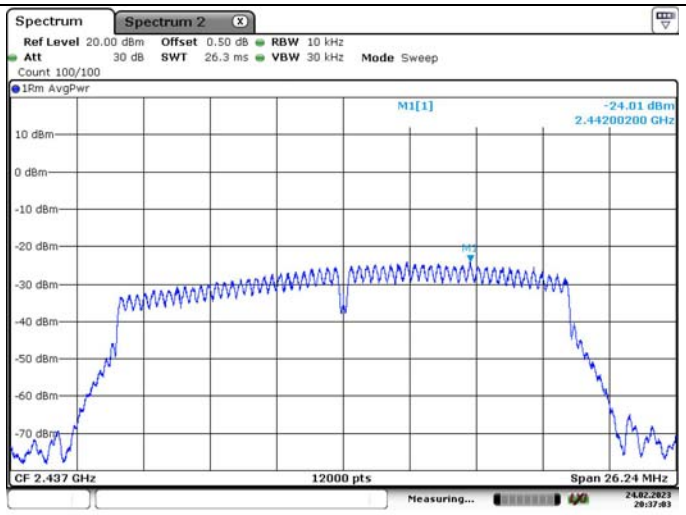
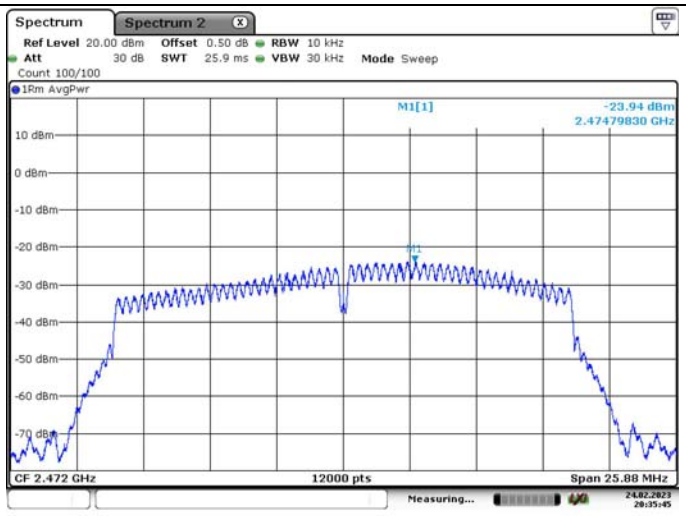
** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

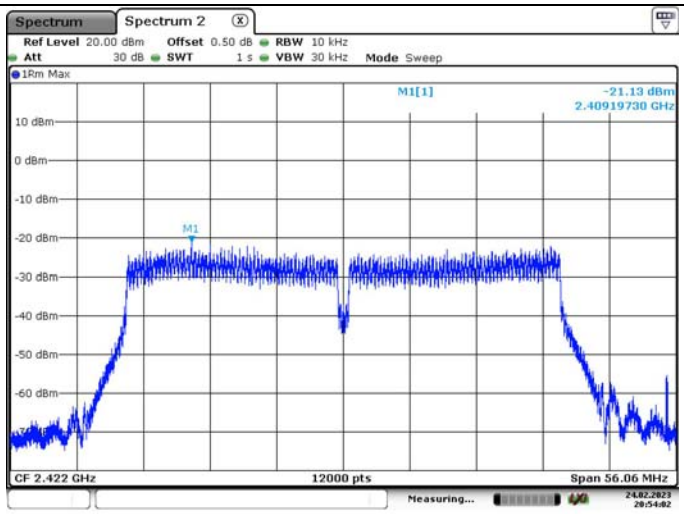
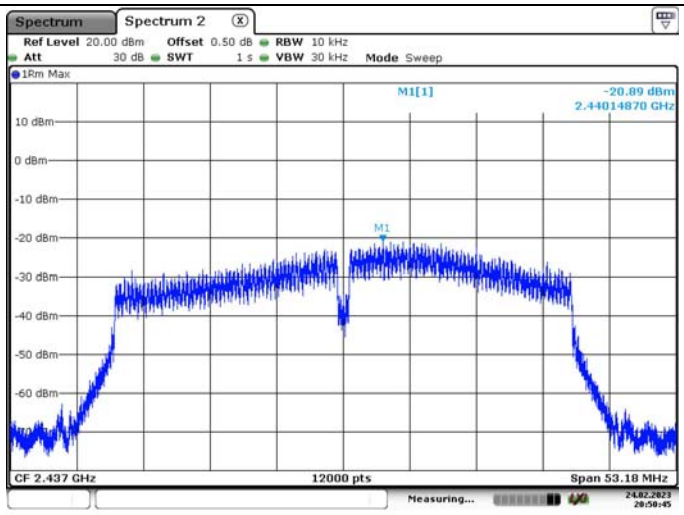
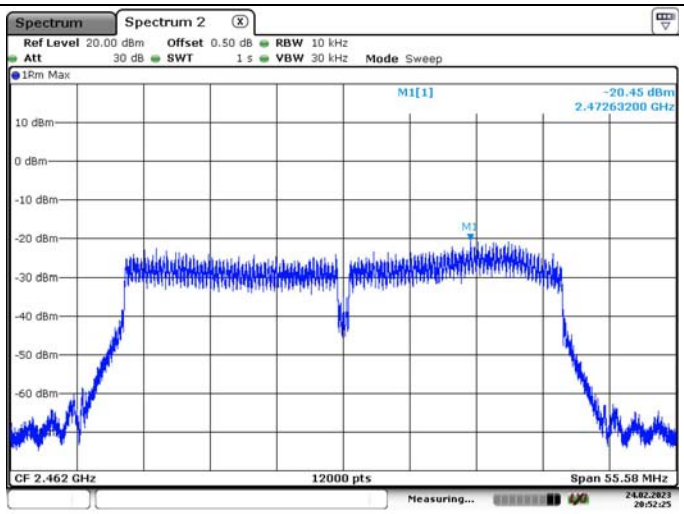
Test Data:

Test Channel	Test Frequency (MHz)	Power Spectral Density (dBm/10kHz)	Limit (dBm/3kHz)
802.11b	2412	-11.38	8.00
	2437	-11.53	8.00
	2472	-10.15	8.00
802.11g	2412	-24.43	8.00
	2437	-24.14	8.00
	2472	-23.62	8.00
802.11n ht20	2412	-24.53	8.00
	2437	-24.01	8.00
	2472	-23.94	8.00
802.11n ht40	2422	-21.13	8.00
	2437	-20.89	8.00
	2462	-20.45	8.00

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	

4.6 100 kHz Bandwidth of Frequency Band Edge:

Serial Number:	1WP8	Test Date:	2023/2/24
Test Site:	RF	Test Mode:	Transmitting
Tester:	Julie Tan	Test Result:	Pass

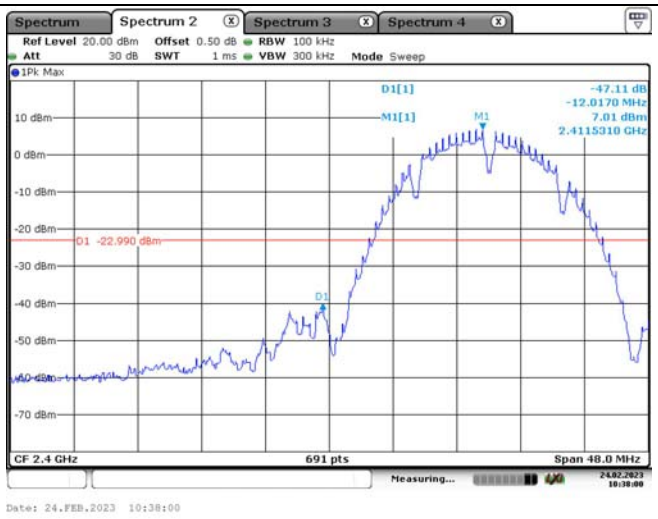
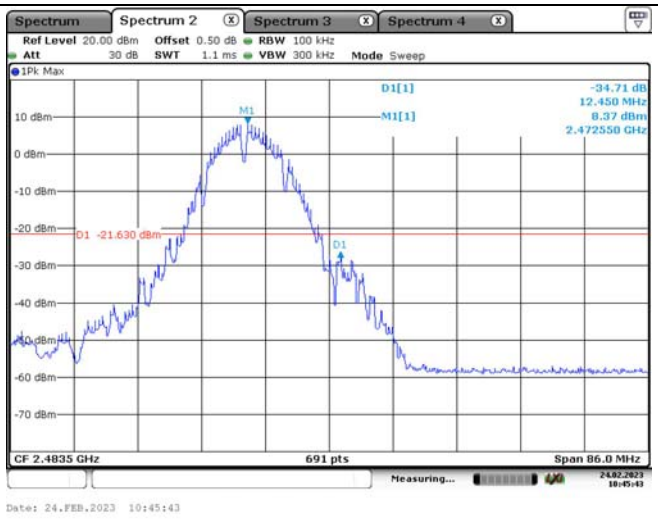
Environmental Conditions:					
Temperature: (℃)	22.3	Relative Humidity: (%)	48	ATM Pressure: (kPa)	101.4

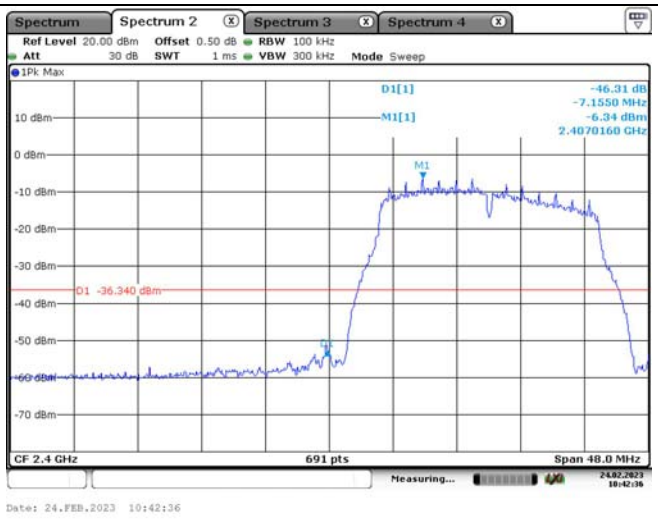
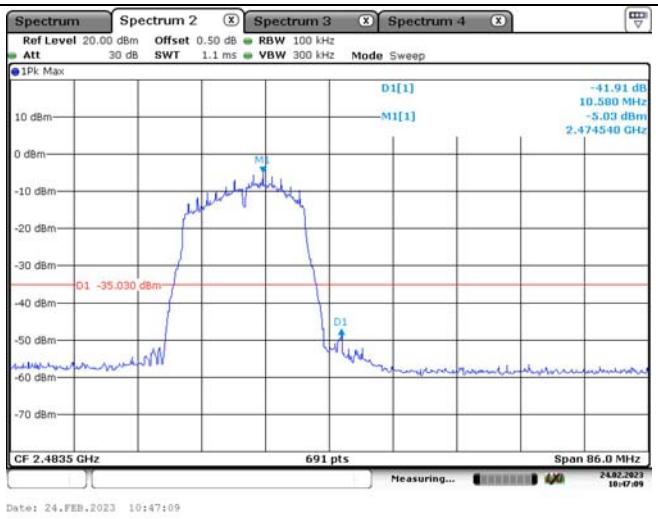
Test Equipment List and Details:

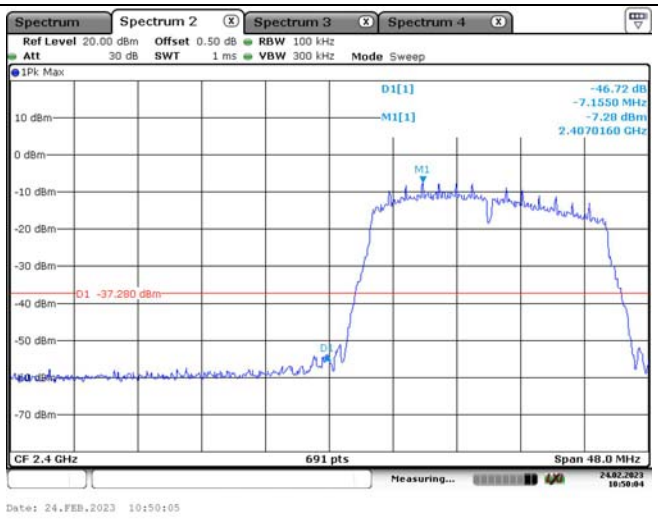
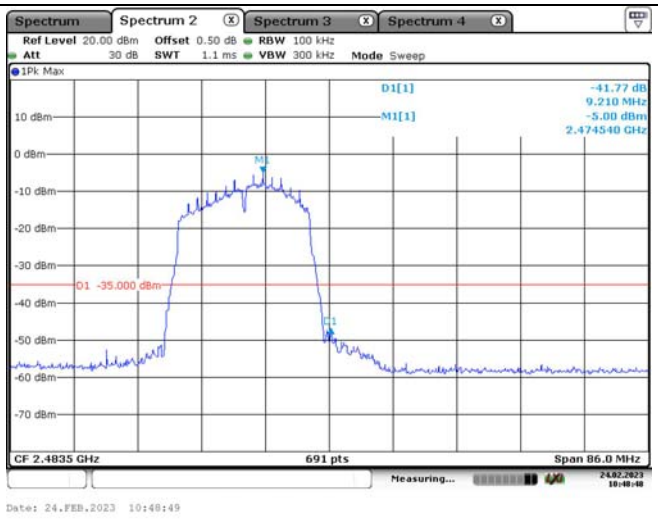
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101943	2022/7/25	2023/7/24
zhuoxiang	Coaxial Cable	SMA-178	211003	Each time	N/A
Mini-Circuits	DC Block	BLK-18-S+	1554404	Each time	N/A

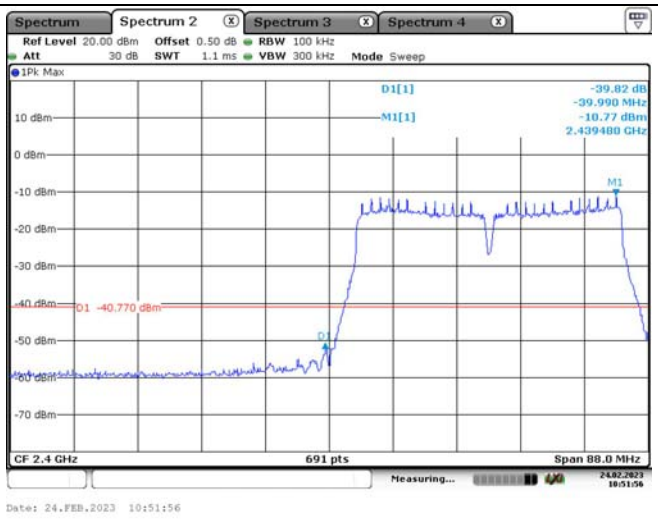
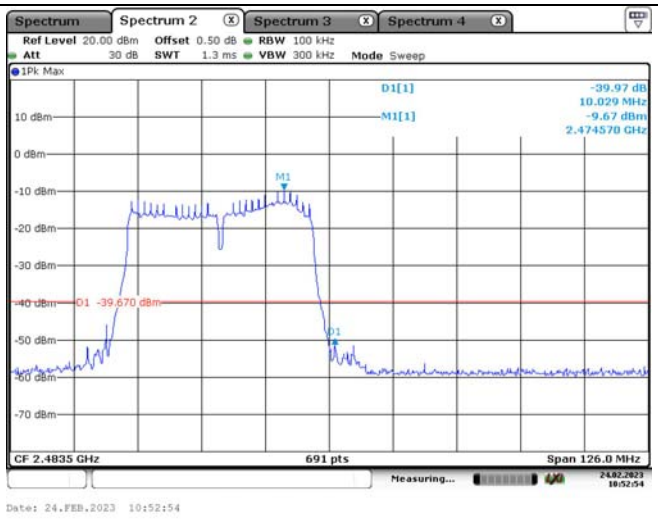
** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:
All Emission out the operation band under the desired power more than 30dBc, please refer to the following plots:

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	

4.7 Duty Cycle:

Serial Number:	1WP8	Test Date:	2023/1/6~2023/1/7
Test Site:	RF	Test Mode:	Transmitting
Tester:	Julie Tan	Test Result:	N/A

Environmental Conditions:					
Temperature: (℃)	20.2~21.1	Relative Humidity: (%)	46~59	ATM Pressure: (kPa)	101.2~101.8

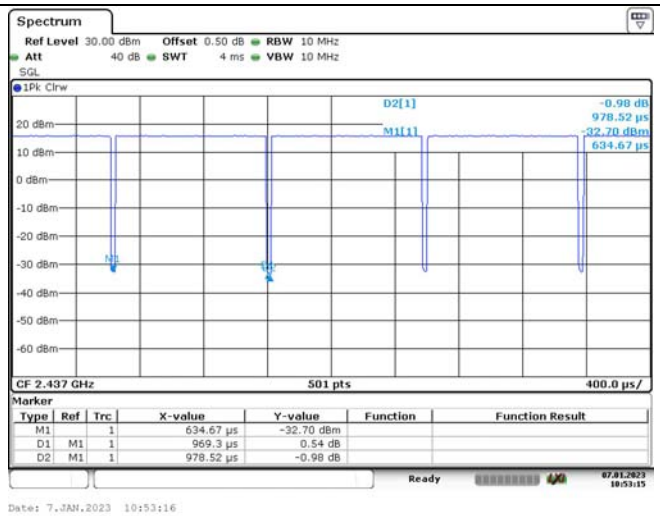
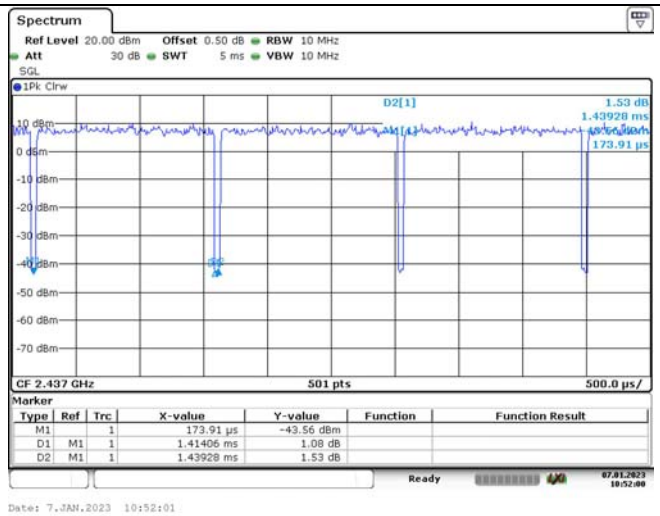
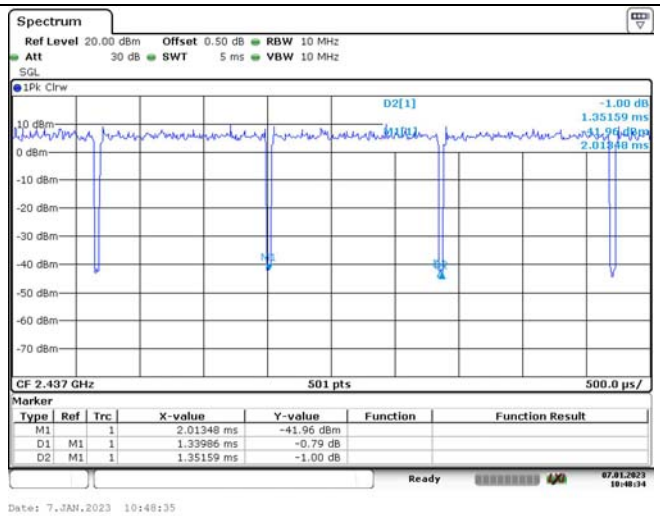
Test Equipment List and Details:

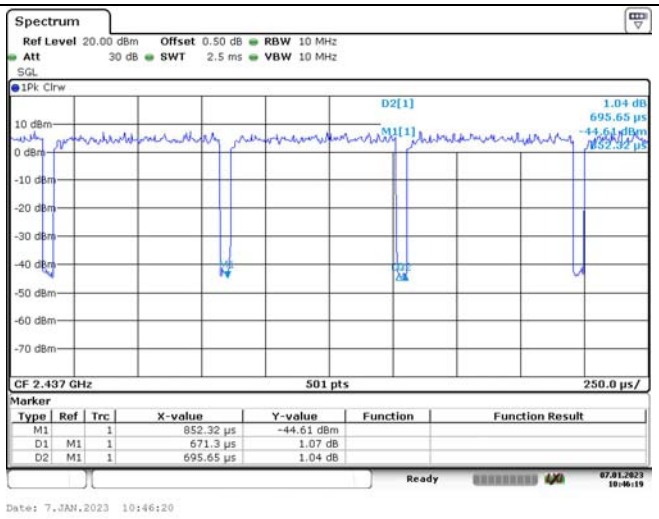
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101943	2022/7/25	2023/7/24
zhuoxiang	Coaxial Cable	SMA-178	211003	Each time	N/A
Mini-Circuits	DC Block	BLK-18-S+	1554404	Each time	N/A

** 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	Ton (ms)	Ton+off (ms)	Duty cycle (%)
802.11b	0.969	0.979	98.98
802.11g	1.414	1.439	98.26
802.11n ht20	1.34	1.352	99.11
802.11n ht40	0.671	0.696	96.41

Duty Cycle	
802.11b	
802.11g	
802.11n ht20	

Duty Cycle	
802.11n ht40	

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