



中认信通

CHINA CERTIFICATION ICT CO., LTD (DONGGUAN)



TEST REPORT

Applicant: Dnake (Xiamen) Intelligent Technology Co., Ltd.

Address: No.8, Haijing North 2nd Road, Haicang District, Xiamen, Fujian 361026, China

FCC ID: 2ATT5-E217A

Product Name: Indoor Monitor

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: CR231168211-00A

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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

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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	5
1. GENERAL INFORMATION	6
1.1 PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT)	6
1.2 DESCRIPTION OF TEST CONFIGURATION.....	8
1.2.1 EUT Operation Condition:.....	8
1.2.2 Support Equipment List and Details	8
1.2.3 Support Cable List and Details	8
1.2.4 Block Diagram of Test Setup.....	9
1.3 MEASUREMENT UNCERTAINTY	11
2. SUMMARY OF TEST RESULTS	12
3. REQUIREMENTS AND TEST PROCEDURES	13
3.1 AC LINE CONDUCTED EMISSIONS.....	13
3.1.1 Applicable Standard.....	13
3.1.2 EUT Setup.....	14
3.1.3 EMI Test Receiver Setup	14
3.1.4 Test Procedure	15
3.1.5 Corrected Amplitude & Margin Calculation.....	15
3.2 RADIATION SPURIOUS EMISSIONS.....	16
3.2.1 Applicable Standard.....	16
3.2.2 EUT Setup.....	16
3.2.3 EMI Test Receiver & Spectrum Analyzer Setup	17
3.2.4 Test Procedure	18
3.2.5 Corrected Amplitude & Margin Calculation.....	18
3.3 MINIMUM 6 DB EMISSION BANDWIDTH	19
3.3.1 Applicable Standard.....	19
3.3.2 EUT Setup.....	19
3.3.3 Test Procedure	19
3.4 99% OCCUPIED BANDWIDTH.....	20
3.4.1 EUT Setup.....	20
3.4.2 Test Procedure	20
3.5 MAXIMUM CONDUCTED OUTPUT POWER.....	21
3.5.1 Applicable Standard.....	21
3.5.2 EUT Setup.....	21
3.5.3 Test Procedure	21
3.6 MAXIMUM POWER SPECTRAL DENSITY	22
3.6.1 Applicable Standard.....	22
3.6.2 EUT Setup.....	22
3.6.3 Test Procedure	22
3.7 100 KHZ BANDWIDTH OF FREQUENCY BAND EDGE.....	23
3.7.1 Applicable Standard.....	23
3.7.2 EUT Setup.....	23
3.7.3 Test Procedure	23

3.8 DUTY CYCLE 24
 3.8.1 EUT Setup..... 24
 3.8.2 Test Procedure 24
3.9 ANTENNA REQUIREMENT..... 24
 3.9.1 Applicable Standard..... 24
 3.9.2 Judgment..... 24
4. Test DATA AND RESULTS 25
 4.1 AC LINE CONDUCTED EMISSIONS 25
 4.2 RADIATION SPURIOUS EMISSIONS 30
 4.3 MINIMUM 6 DB EMISSION BANDWIDTH 53
 4.4 99% OCCUPIED BANDWIDTH 58
 4.5 MAXIMUM CONDUCTED OUTPUT POWER..... 63
 4.6 MAXIMUM POWER SPECTRAL DENSITY 64
 4.7 100 KHZ BANDWIDTH OF FREQUENCY BAND EDGE: 69
 4.8 DUTY CYCLE 74
5. RF EXPOSURE EVALUATION 77
 5.1 APPLICABLE STANDARD..... 77
 5.2 MEASUREMENT RESULT 77
6. EUT PHOTOGRAPHS 78
7. TEST SETUP PHOTOGRAPHS 79

DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	CR231168211-00A	Original Report	2024/1/4

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

EUT Name:	Indoor Monitor
EUT Model:	E217A
Multiple Models:	E217, E217D, E217W, E217C, E216, E216D, E216W, E216C, E216A, IPK04, IPK05, E217W-2, 160M-S64, 160M-S64A, 160M-S64W, 160M-S64D, 160M-S65A, 160M-S65W, 160M-S65D, 160M-S65
Operation Frequency:	2412-2462 MHz(802.11b/g/n ht20) 2422-2452 MHz(802.11n ht40)
Maximum Peak Output Power (Conducted):	19.87dBm
Modulation Type:	802.11b: DSSS-DBPSK, DQPSK, CCK 802.11g/n: OFDM-BPSK, QPSK, 16QAM, 64QAM
Rated Input Voltage:	DC 12V From Adapter DC 48V From POE
Serial Number:	2DYG-2(For RF Conducted Test) 2DYG-1(For RE/CE Test)
EUT Received Date:	2023/11/20
EUT Received Status:	Good
Note: The Multiple models are electrically identical with the test model. Please refer to the declaration letter for more detail, which was provided by manufacturer.	

Operation Frequency Detail: For 802.11b/g/n ht20:

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:

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 Type	input impedance (Ohm)	Frequency Range	Antenna Gain
PCB	50	2.4~2.5GHz	2.16dBi

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
/	/	/

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:	CMD			
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	45	45	45
802.11g	6Mbps	42	42	42
802.11n ht20	MCS0	40	40	40
802.11n ht40	MCS0	42	42	42
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
DEBOM	Adapter	DBS012A-1201000J	/
TOTO Link	Router	LR1200	190924004S1
Nexhome	Door Phone	DH-I66S(P)	EMZBIU20113001
/	RSS485 Load	RSS485-X1	F-EM-PHRJ45X8011
/	Relay Load	Relay-C1	EMRLLD20221010EN
GWT	Alarm	A-24	unknown
Metke Skycom	POE	M535122-2X1	WTX22X09195433S

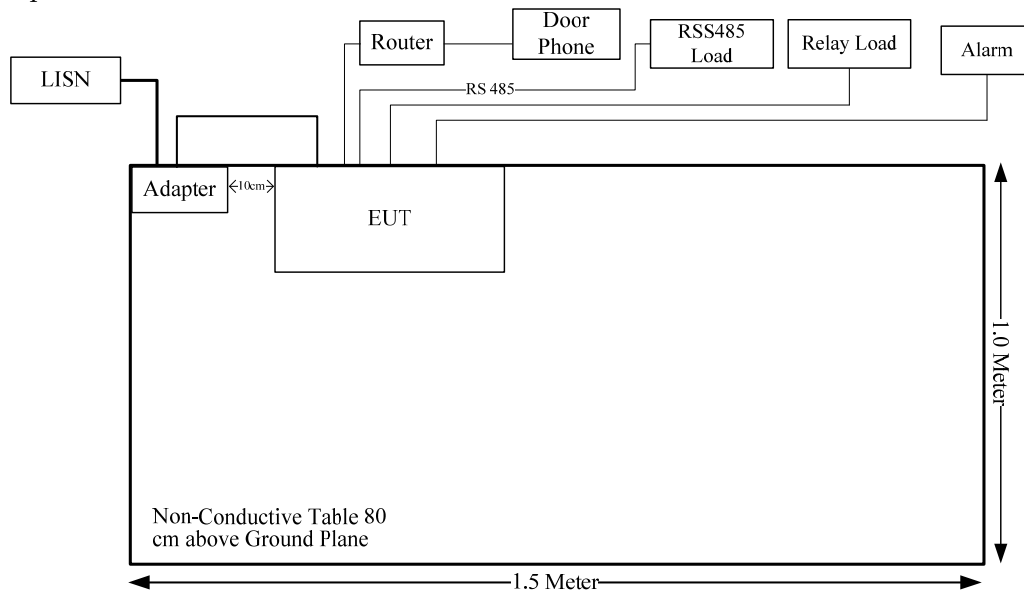
1.2.3 Support Cable List and Details

Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
DC Cable	No	No	1	Adapter	EUT
RJ45 Cable	No	No	10	Router	EUT
RJ45 Cable	No	No	3	Router	Door Phone
RSS485 Cable	No	No	2	RSS485 Load	EUT
DC Cable	No	No	3	Relay Load	EUT
DC Cable	No	No	3	Alarm	EUT
RJ45 Cable	No	No	1.2	POE	EUT
RJ45 Cable	No	No	10	Router	POE

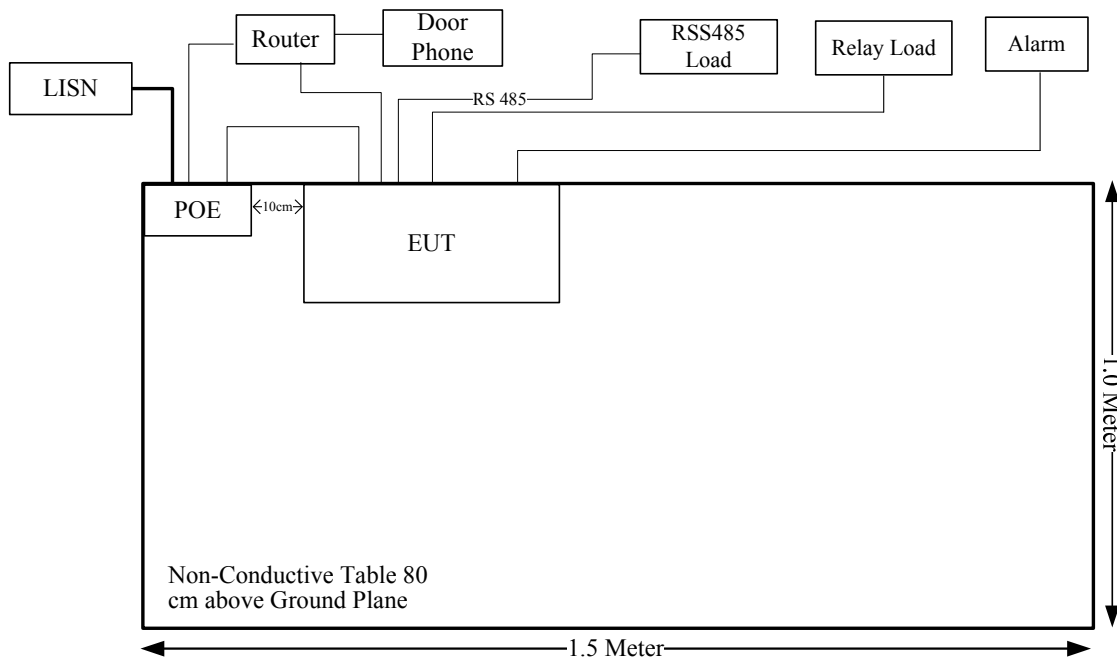
1.2.4 Block Diagram of Test Setup

AC Line Conducted Emissions:

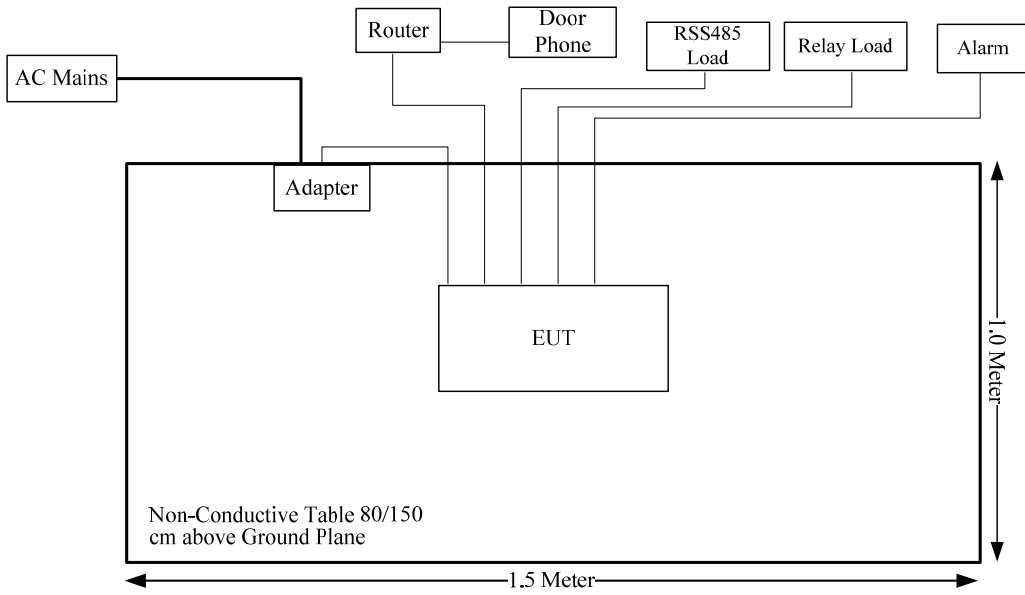
DC Adapter:



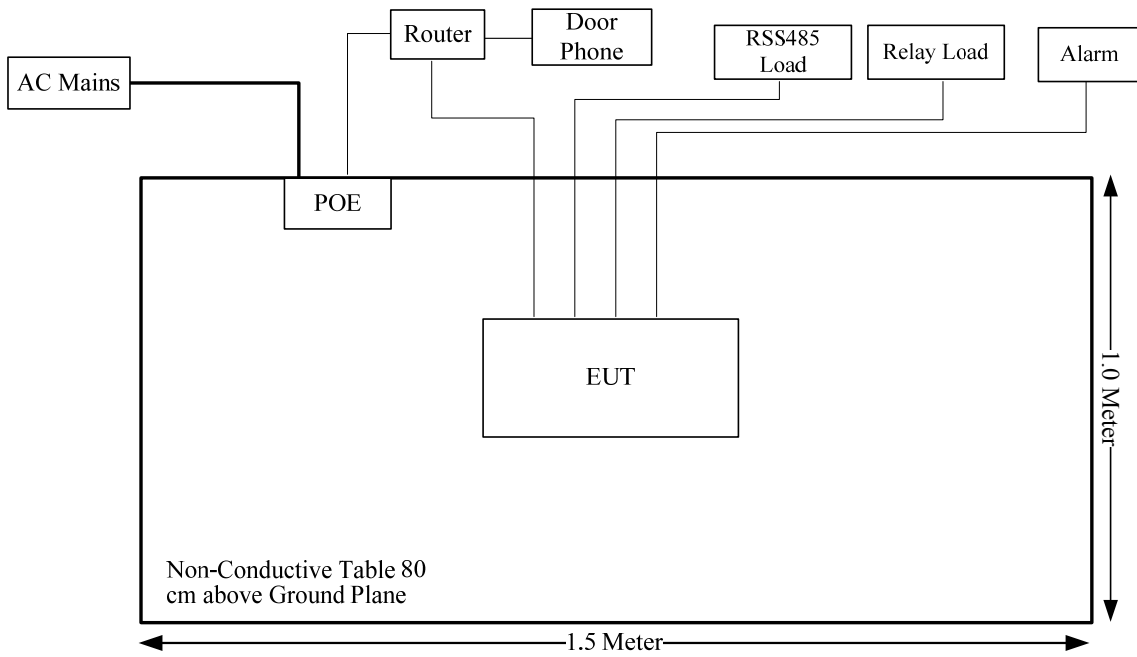
POE Adapter:



Spurious Emissions:
DC Adapter:



POE Adapter:



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 °C
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
§1.1307	RF Exposure Evaluation	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 μ H/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.

Frequency of emission (MHz)	Conducted limit (dB μ V)	
	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 μ V within the frequency band 535-1705 kHz, as measured using a 50 μ H/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, obtaining 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.

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

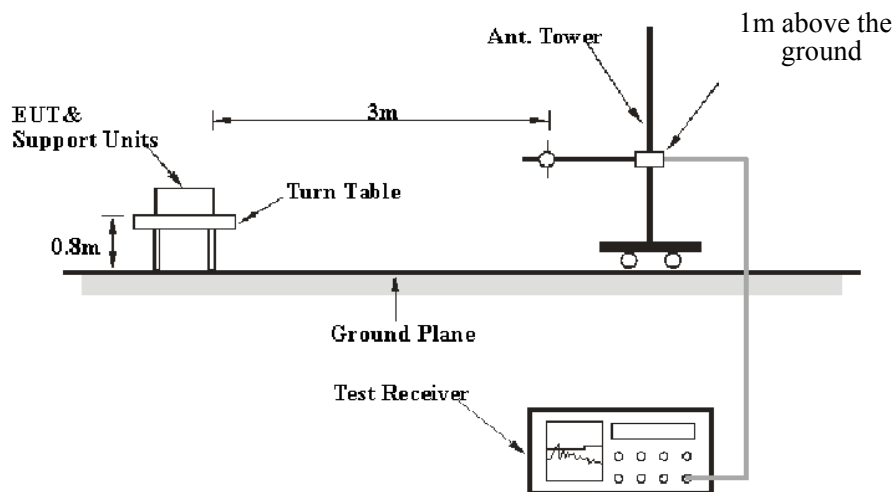
3.2.1 Applicable Standard

FCC §15.247 (d);

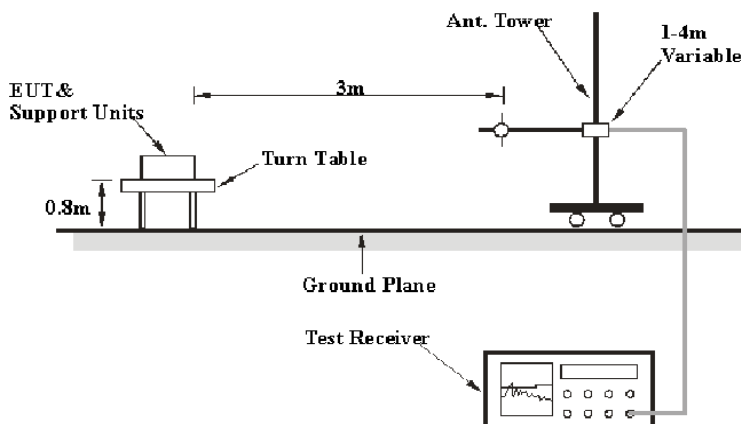
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the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

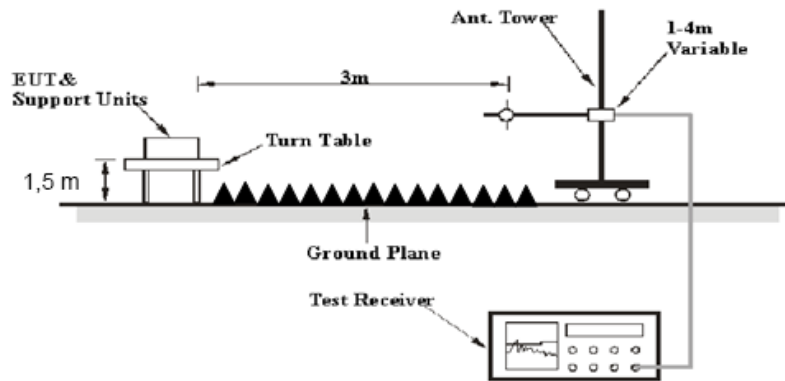
9kHz~30MHz:



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.

For 9kHz-30MHz test, the lowest height of the magnetic antenna shall be 1 m above the ground and three antenna orientations (parallel, perpendicular, and ground-parallel) shall be measured.

3.2.3 EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 9kHz to 25 GHz.

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

9kHz-1000MHz:

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

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 except 9–90 kHz, 110–490 kHz, employing an average detector, peak and Average detection modes for frequencies above 1 GHz.

All emissions under the average limit and under the noise floor have not recorded in the report.

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

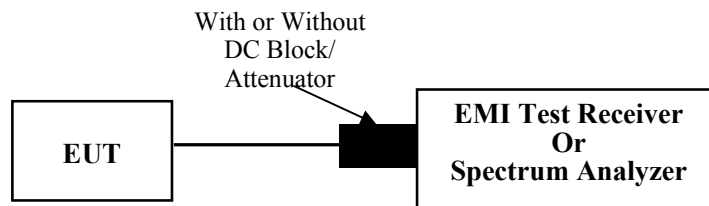
3.3 Minimum 6 dB Emission Bandwidth

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



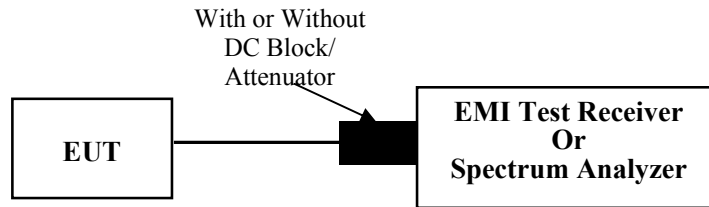
3.3.3 Test Procedure

According to ANSI C63.10-2013 Section 11.8

- a) Set RBW = 100 kHz.
- b) Set the video bandwidth (VBW) $\geq 3 \times$ 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).

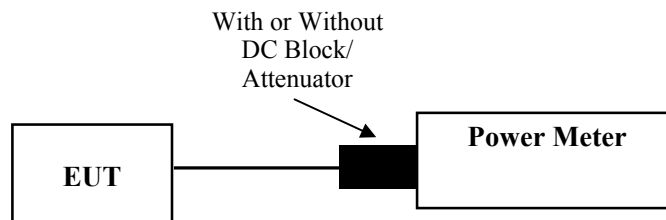
3.5 Maximum Conducted Output Power

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 11.9.2.3.2

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.

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.

- a) Set the EUT in transmitting mode.
- b) Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to test equipment.
- c) Add a correction factor to the display.
- d) Set the power meter to test peak output power, record the result.

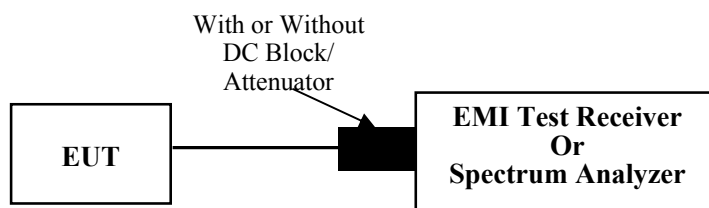
3.6 Maximum Power Spectral Density

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 $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.
- d) Set the VBW $\geq [3 \cdot \text{RBW}]$.
- 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.

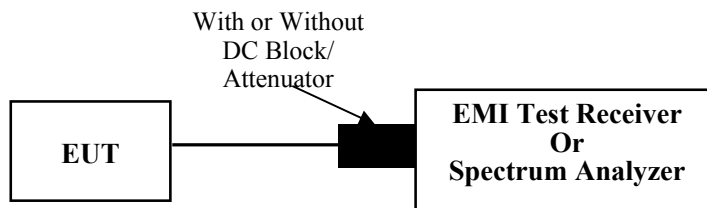
3.7 100 kHz Bandwidth of Frequency Band Edge

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

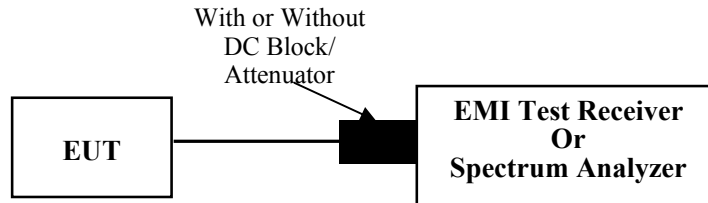
According to ANSI C63.10-2013 Section 11.11

- a) Set the center frequency and span to encompass frequency range to be measured.
- b) Set the RBW = 100 kHz.
- c) Set the VBW $\geq [3 \times \text{RBW}]$.
- 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 $RBW \geq OBW$ if possible; otherwise, set RBW to the largest available value.
- 3) Set $VBW \geq RBW$. 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 $T \leq 16.7 \mu s$.)

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:	2DYG-1	Test Date:	2023/12/22
Test Site:	CE	Test Mode:	Transmitting (maximum output power mode, 802.11n ht40 high channel)
Tester:	David Huang	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	23.4	Relative Humidity: (%)	20	ATM Pressure: (kPa)	102.6
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Test Equipment List and Details:

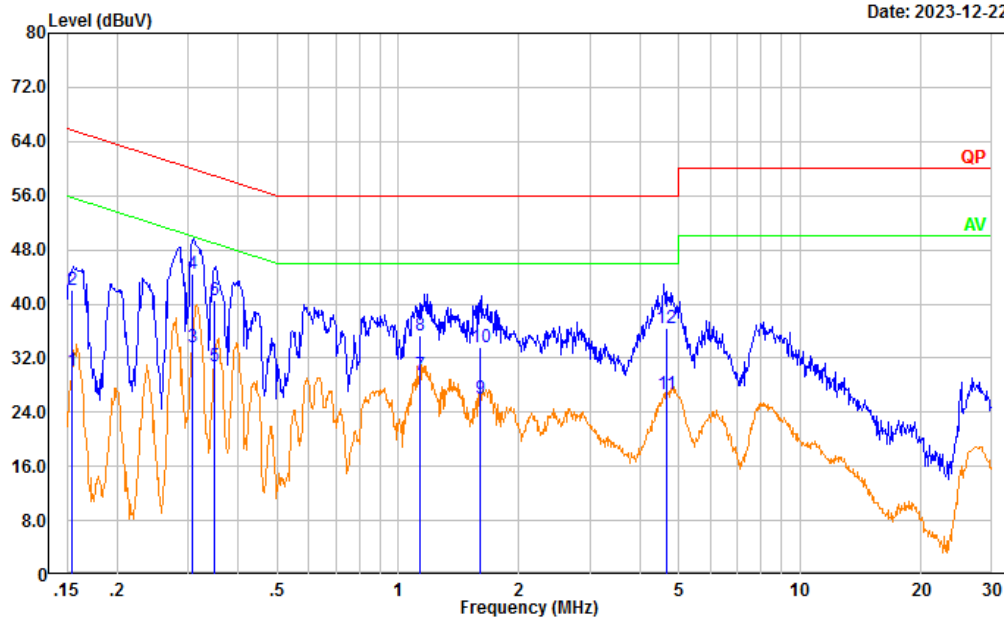
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	LISN	ENV216	101134	2023/3/31	2024/3/30
R&S	EMI Test Receiver	ESR3	102726	2023/3/31	2024/3/30
MICRO-COAX	Coaxial Cable	UTIFLEX	C-0200-01	2023/8/6	2024/8/5
Audix	Test Software	E3	190306 (V9)	N/A	N/A

* 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).

1) DC Adapter:

Project No.: CR231168211-RF
 Tester: David Huang
 Port: Line
 Note: Transmitting(2.4G Adapter)

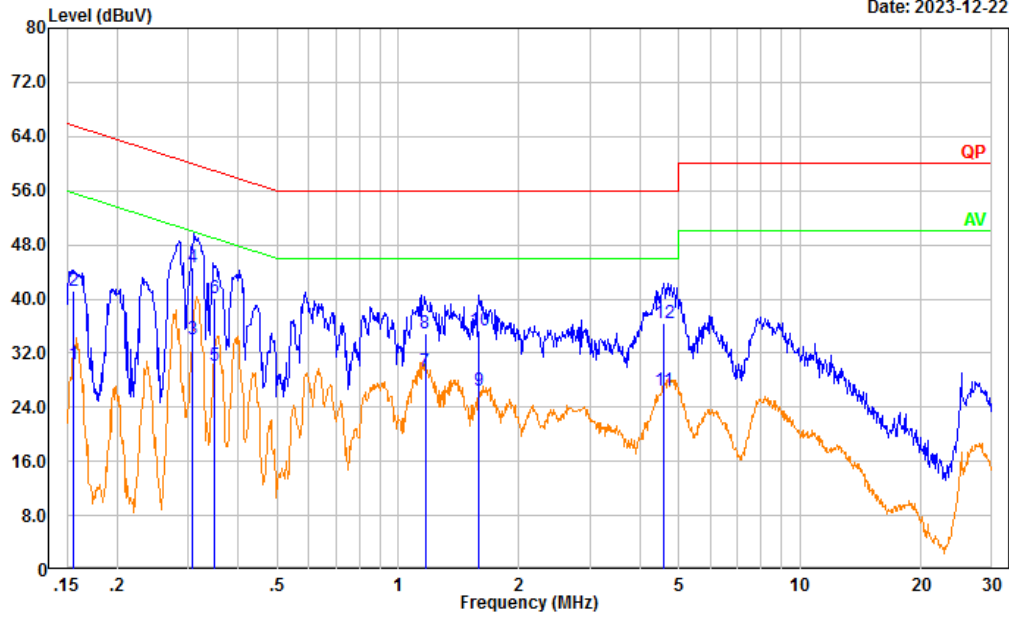
Date: 2023-12-22



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.155	20.55	9.61	30.16	55.73	25.57	Average
2	0.155	32.53	9.61	42.14	65.73	23.59	QP
3	0.308	23.95	9.61	33.56	50.03	16.47	Average
4	0.308	34.81	9.61	44.42	60.03	15.61	QP
5	0.349	21.26	9.61	30.87	48.98	18.11	Average
6	0.349	30.98	9.61	40.59	58.98	18.39	QP
7	1.131	19.78	9.62	29.40	46.00	16.60	Average
8	1.131	25.69	9.62	35.31	56.00	20.69	QP
9	1.600	16.48	9.63	26.11	46.00	19.89	Average
10	1.600	24.03	9.63	33.66	56.00	22.34	QP
11	4.639	16.99	9.66	26.65	46.00	19.35	Average
12	4.639	26.87	9.66	36.53	56.00	19.47	QP

Project No.: CR231168211-RF
 Tester: David Huang
 Port: neutral
 Note: Transmitting(2.4G Adapter)

Date: 2023-12-22

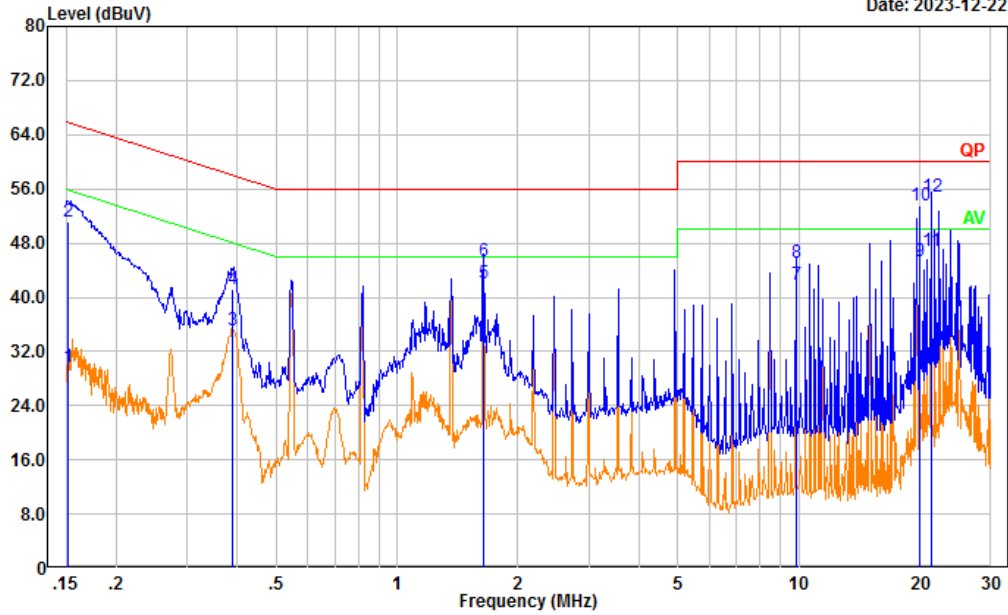


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.155	20.68	9.61	30.29	55.72	25.43	Average
2	0.155	31.48	9.61	41.09	65.72	24.63	QP
3	0.308	24.45	9.61	34.06	50.02	15.96	Average
4	0.308	35.05	9.61	44.66	60.02	15.36	QP
5	0.348	20.55	9.61	30.16	49.01	18.85	Average
6	0.348	30.57	9.61	40.18	59.01	18.83	QP
7	1.168	19.75	9.62	29.37	46.00	16.63	Average
8	1.168	25.36	9.62	34.98	56.00	21.02	QP
9	1.589	16.83	9.63	26.46	46.00	19.54	Average
10	1.589	25.78	9.63	35.41	56.00	20.59	QP
11	4.578	16.68	9.66	26.34	46.00	19.66	Average
12	4.578	26.71	9.66	36.37	56.00	19.63	QP

POE Adapter:

Project No.: CR231168211-RF
 Tester: David Huang
 Port: Line
 Note: Transmitting(2.4G WIFI POE)

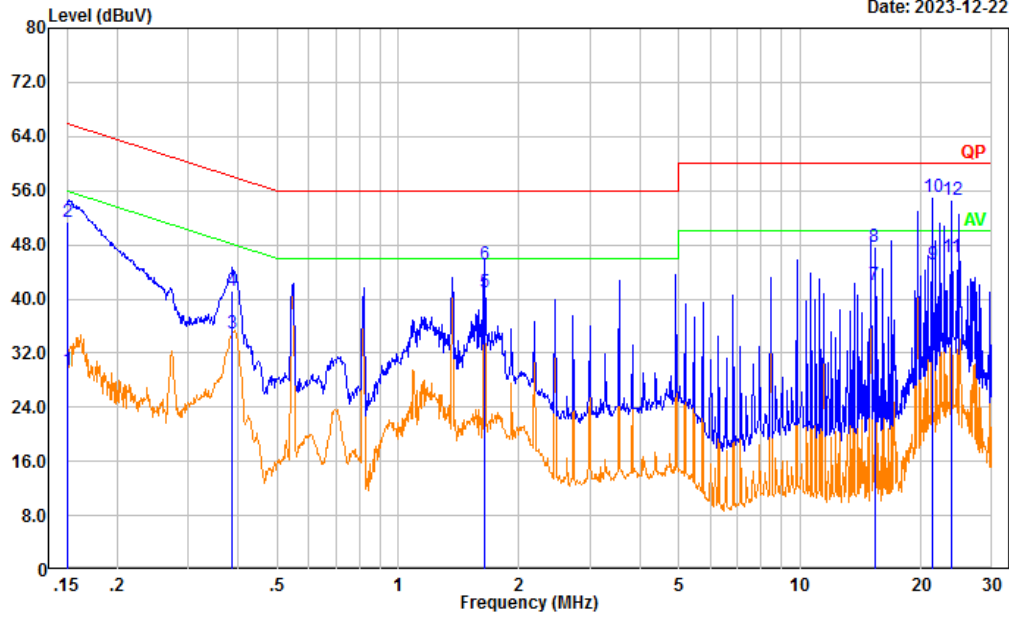
Date: 2023-12-22



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.152	20.08	9.61	29.69	55.91	26.22	Average
2	0.152	41.59	9.61	51.20	65.91	14.71	QP
3	0.390	25.51	9.61	35.12	48.06	12.94	Average
4	0.390	31.60	9.61	41.21	58.06	16.85	QP
5	1.641	32.45	9.63	42.08	46.00	3.92	Average
6	1.641	35.73	9.63	45.36	56.00	10.64	QP
7	9.849	32.13	9.67	41.80	50.00	8.20	Average
8	9.849	35.51	9.67	45.18	60.00	14.82	QP
9	19.970	35.51	9.80	45.31	50.00	4.69	Average
10	19.970	43.84	9.80	53.64	60.00	6.36	QP
11	21.340	36.93	9.80	46.73	50.00	3.27	Average
12	21.340	44.99	9.80	54.79	60.00	5.21	QP

Project No.: CR231168211-RF
 Tester: David Huang
 Port: neutral
 Note: Transmitting(2.4G WIFI POE)

Date: 2023-12-22



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.150	19.86	9.61	29.47	55.97	26.50	Average
2	0.150	41.81	9.61	51.42	65.97	14.55	QP
3	0.387	25.24	9.61	34.85	48.12	13.27	Average
4	0.387	31.51	9.61	41.12	58.12	17.00	QP
5	1.641	31.26	9.63	40.89	46.00	5.11	Average
6	1.641	35.56	9.63	45.19	56.00	10.81	QP
7	15.322	32.43	9.69	42.12	50.00	7.88	Average
8	15.322	38.07	9.69	47.76	60.00	12.24	QP
9	21.340	35.41	9.71	45.12	50.00	4.88	Average
10	21.340	45.36	9.71	55.07	60.00	4.93	QP
11	23.803	36.38	9.75	46.13	50.00	3.87	Average
12	23.803	44.90	9.75	54.65	60.00	5.35	QP

4.2 Radiation Spurious Emissions

Serial Number:	2DYG-1	Test Date:	2023/12/21~2024/1/2
Test Site:	966-1, 966-2	Test Mode:	Transmitting
Tester:	Jeff Luo, coco Tian	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	24~26.2	Relative Humidity: (%)	35~67	ATM Pressure: (kPa)	101.3~102.1
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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	2023/2/22	2026/2/21
R&S	Spectrum Analyzer	FSV40	101591	2023/3/31	2024/3/30
MICRO-COAX	Coaxial Cable	UFA210A-1- 1200-70U300	217423-008	2023/8/6	2024/8/5
MICRO-COAX	Coaxial Cable	UFA210A-1- 2362-300300	235780-001	2023/8/6	2024/8/5
Mini	Pre-amplifier	ZVA-183-S+	5969001149	2023/11/8	2024/11/7
PASTERNAK	Horn Antenna	PE9852/2F-20	112002	2021/2/5	2024/2/4
Quinstar	Preamplifier	QLW-18405536- JO	15964001005	2023/9/15	2024/9/14
MICRO-COAX	Coaxial Cable	UFB142A-1-2362- 200200	235772-001	2023/8/6	2024/8/5
E-Microwave	Band Rejection Filter	2400-2483.5MHz	OE01902424	2023/8/6	2024/8/5
Mini Circuits	High Pass Filter	VHF-6010+	31119	2023/8/6	2024/8/5

* 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).

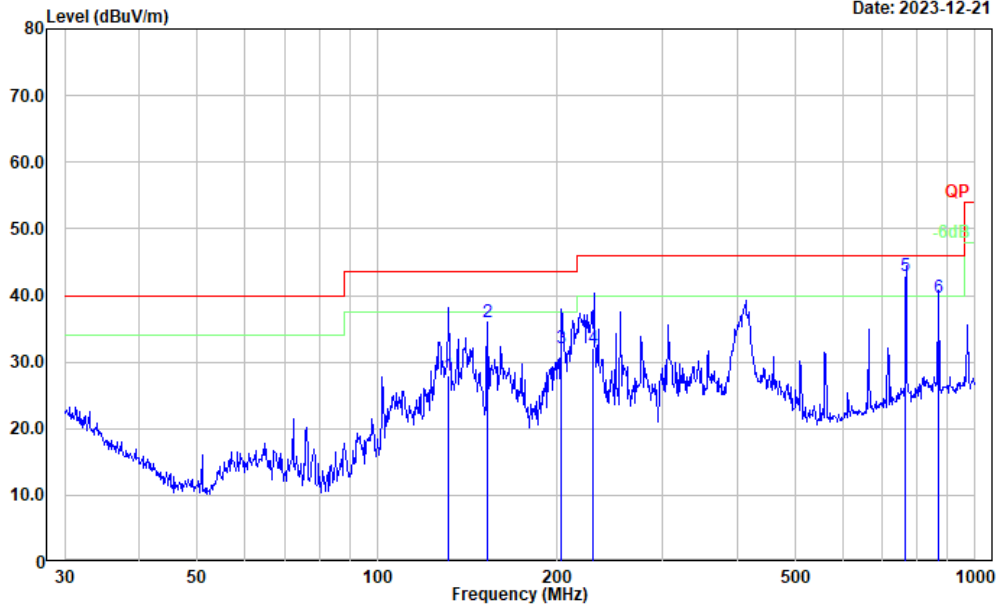
Test Data:

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, 802.11n ht40)
DC Adapter Low Channel:**

Project No.: CR231168211-RF
 Tester: Jeff Luo
 Polarization: horizontal
 Note: M1 Transmitting(Powered by Adapter 2.4G WIFI)

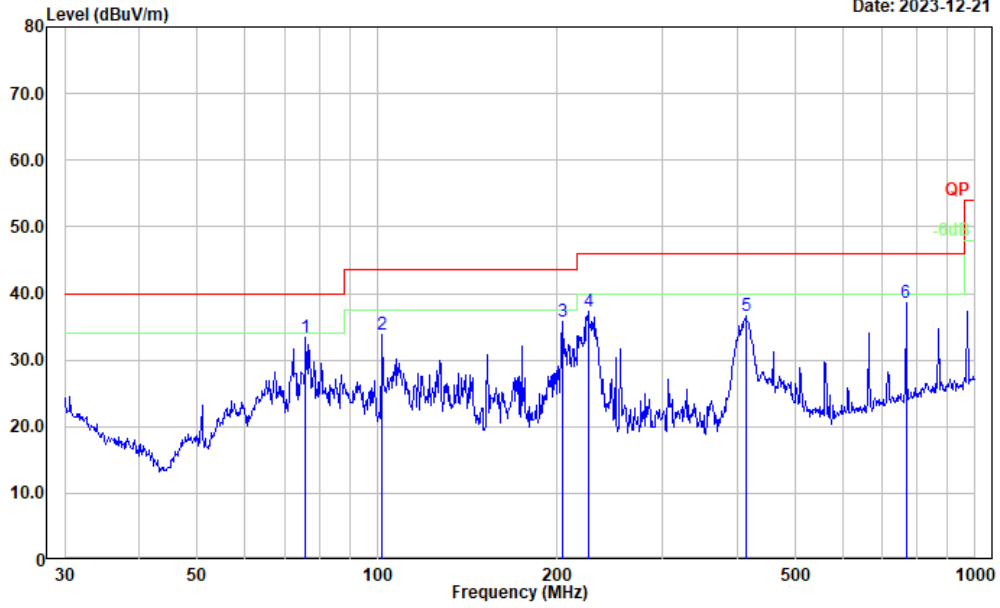
Date: 2023-12-21



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	131.747	39.54	-11.68	27.86	43.50	15.64	QP
2	152.664	48.33	-12.26	36.07	43.50	7.43	Peak
3	203.523	44.80	-12.76	32.04	43.50	11.46	QP
4	229.988	45.37	-13.31	32.06	46.00	13.94	QP
5	764.404	45.98	-3.06	42.92	46.00	3.08	QP
6	869.130	41.21	-1.55	39.66	46.00	6.34	QP

Project No.: CR231168211-RF
 Tester: Jeff Luo
 Polarization: vertical
 Note: M1 Transmitting(Powered by Adapter 2.4G WIFI)

Date: 2023-12-21

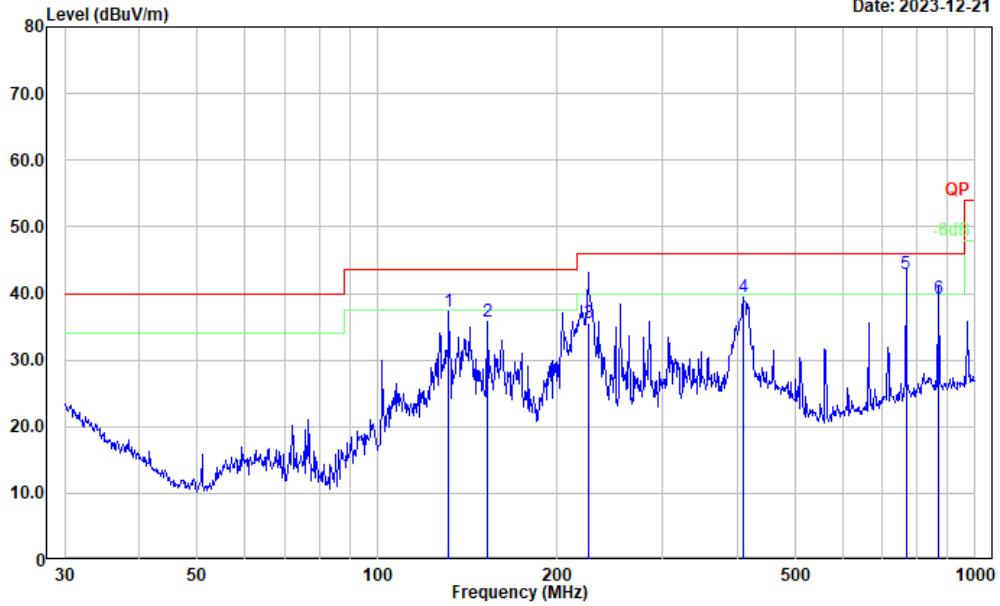


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	75.977	50.90	-17.45	33.45	40.00	6.55	Peak
2	102.001	48.14	-14.26	33.88	43.50	9.62	Peak
3	204.238	48.65	-12.79	35.86	43.50	7.64	Peak
4	225.308	50.46	-13.23	37.23	46.00	8.77	Peak
5	413.271	45.28	-8.59	36.69	46.00	9.31	Peak
6	766.057	41.64	-3.02	38.62	46.00	7.38	Peak

DC Adapter Middle Channel:

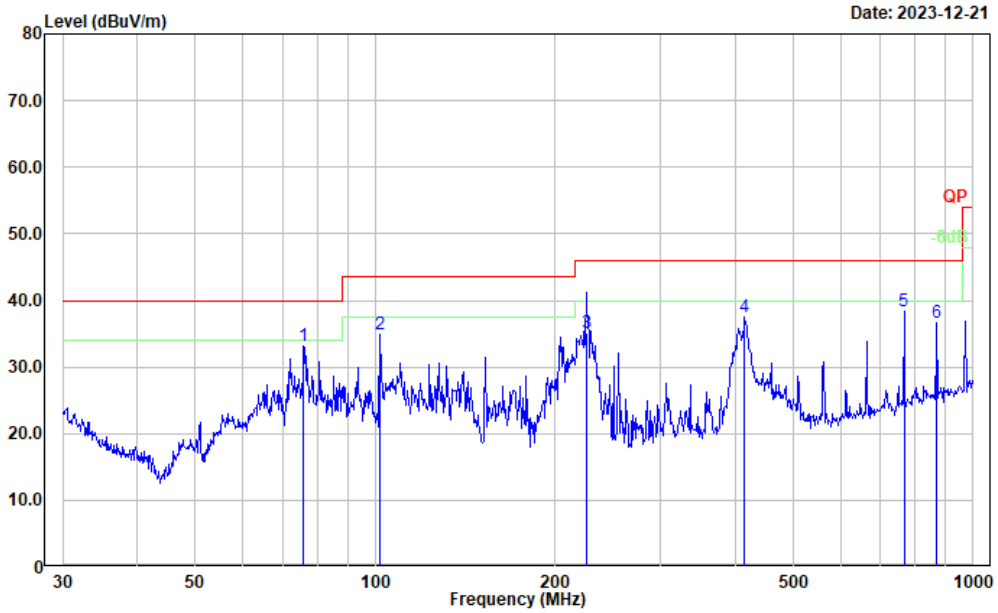
Project No.: CR231168211-RF
 Tester: Jeff Luo
 Polarization: horizontal
 Note: M1 Transmitting(Powered by Adapter 2.4G WIFI)

Date: 2023-12-21



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	131.758	48.88	-11.67	37.21	43.50	6.29	Peak
2	153.200	48.09	-12.27	35.82	43.50	7.68	Peak
3	225.479	48.80	-13.23	35.57	46.00	10.43	QP
4	408.946	48.13	-8.75	39.38	46.00	6.62	Peak
5	766.057	45.88	-3.02	42.86	46.00	3.14	QP
6	867.741	40.75	-1.55	39.20	46.00	6.80	QP

Project No.: CR231168211-RF
 Tester: Jeff Luo
 Polarization: vertical
 Note: M1 Transmitting(Powered by Adapter 2.4G WIFI)

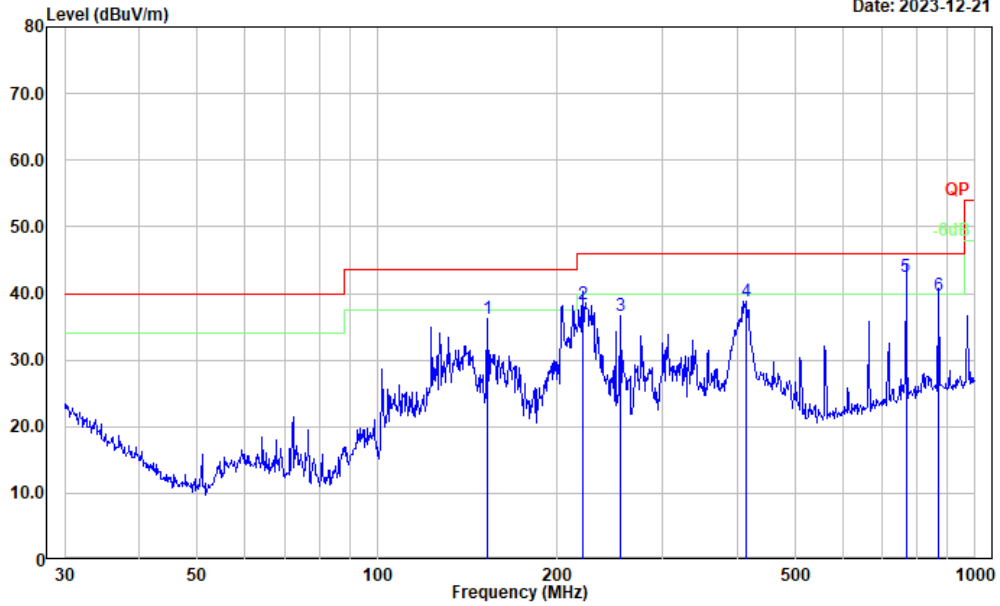


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	75.977	50.69	-17.45	33.24	40.00	6.76	Peak
2	102.001	49.11	-14.26	34.85	43.50	8.65	Peak
3	225.308	48.43	-13.23	35.20	46.00	10.80	QP
4	414.722	45.97	-8.54	37.43	46.00	8.57	Peak
5	766.057	41.32	-3.02	38.30	46.00	7.70	Peak
6	869.130	38.12	-1.55	36.57	46.00	9.43	Peak

DC Adapter High Channel:

Project No.: CR231168211-RF
 Tester: Jeff Luo
 Polarization: horizontal
 Note: M1 Transmitting(Powered by Adapter 2.4G WIFI)

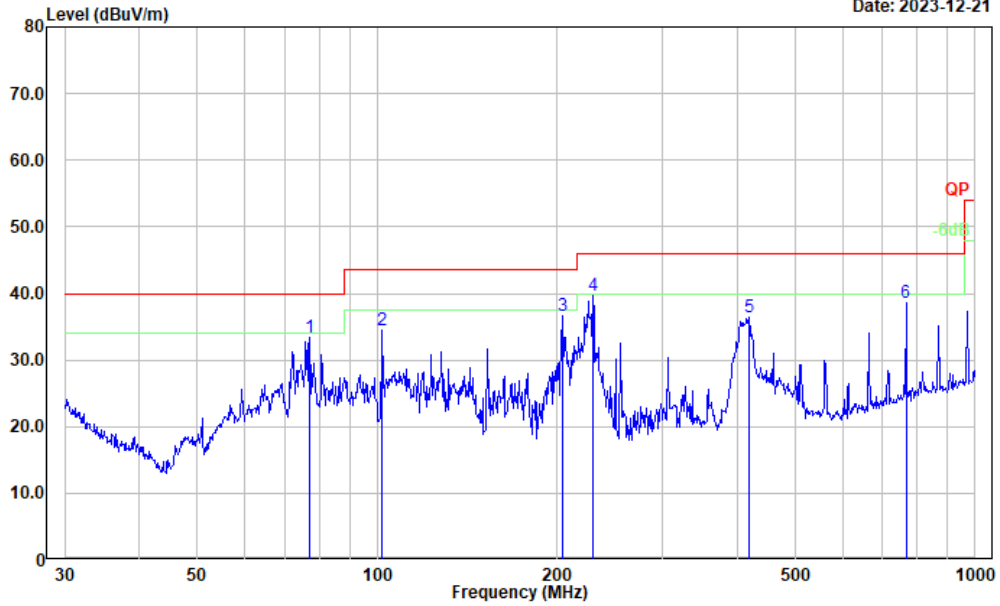
Date: 2023-12-21



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	153.200	48.56	-12.27	36.29	43.50	7.21	Peak
2	220.617	51.45	-13.18	38.27	46.00	7.73	QP
3	254.728	50.07	-13.37	36.70	46.00	9.30	Peak
4	414.722	47.45	-8.54	38.91	46.00	7.09	Peak
5	766.057	45.48	-3.02	42.46	46.00	3.54	QP
6	869.130	41.32	-1.55	39.77	46.00	6.23	QP

Project No.: CR231168211-RF
 Tester: Jeff Luo
 Polarization: vertical
 Note: M1 Transmitting(Powered by Adapter 2.4G WIFI)

Date: 2023-12-21

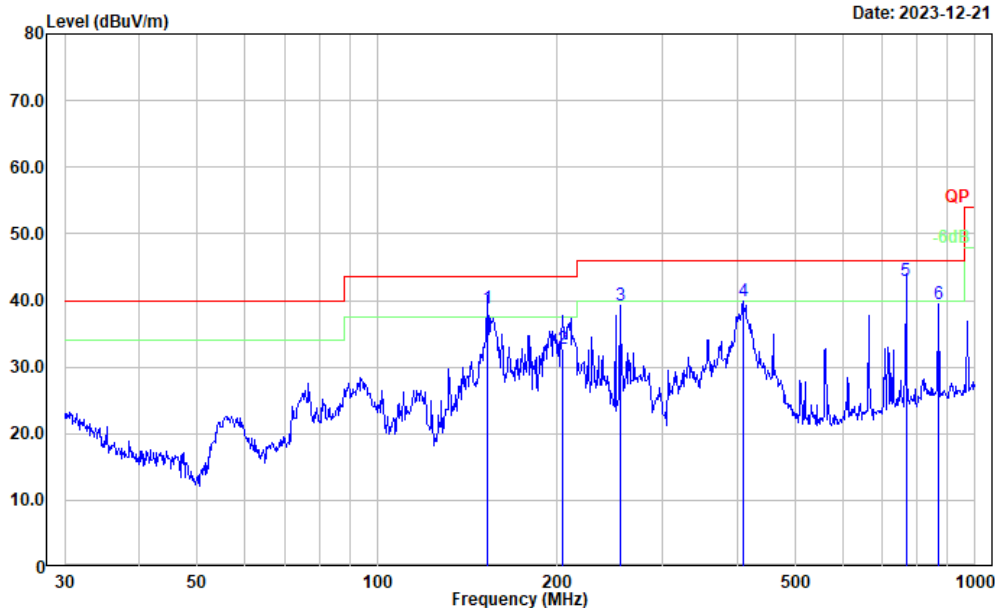


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	77.051	50.93	-17.53	33.40	40.00	6.60	Peak
2	102.001	48.80	-14.26	34.54	43.50	8.96	Peak
3	204.238	49.38	-12.79	36.59	43.50	6.91	Peak
4	229.293	53.08	-13.30	39.78	46.00	6.22	Peak
5	417.641	44.91	-8.42	36.49	46.00	9.51	Peak
6	766.057	41.62	-3.02	38.60	46.00	7.40	Peak

POE Adapter Low Channel:

Project No.: CR231168211-RF
 Tester: Jeff Luo
 Polarization: horizontal
 Note: M2 Transmitting(Powered by POE 2.4G WIFI)

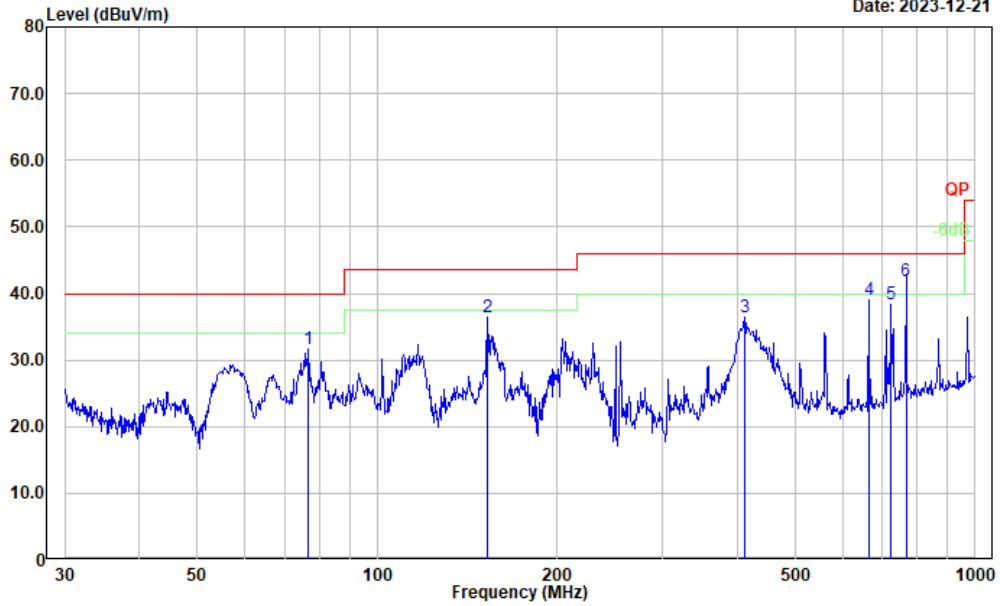
Date: 2023-12-21



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	153.200	51.10	-12.27	38.83	43.50	4.67	QP
2	204.238	45.46	-12.79	32.67	43.50	10.83	QP
3	254.728	52.52	-13.37	39.15	46.00	6.85	Peak
4	408.946	48.57	-8.75	39.82	46.00	6.18	Peak
5	766.057	45.86	-3.02	42.84	46.00	3.16	Peak
6	869.130	40.93	-1.55	39.38	46.00	6.62	Peak

Project No.: CR231168211-RF
 Tester: Jeff Luo
 Polarization: vertical
 Note: M2 Transmitting(Powered by POE 2.4G WIFI)

Date: 2023-12-21

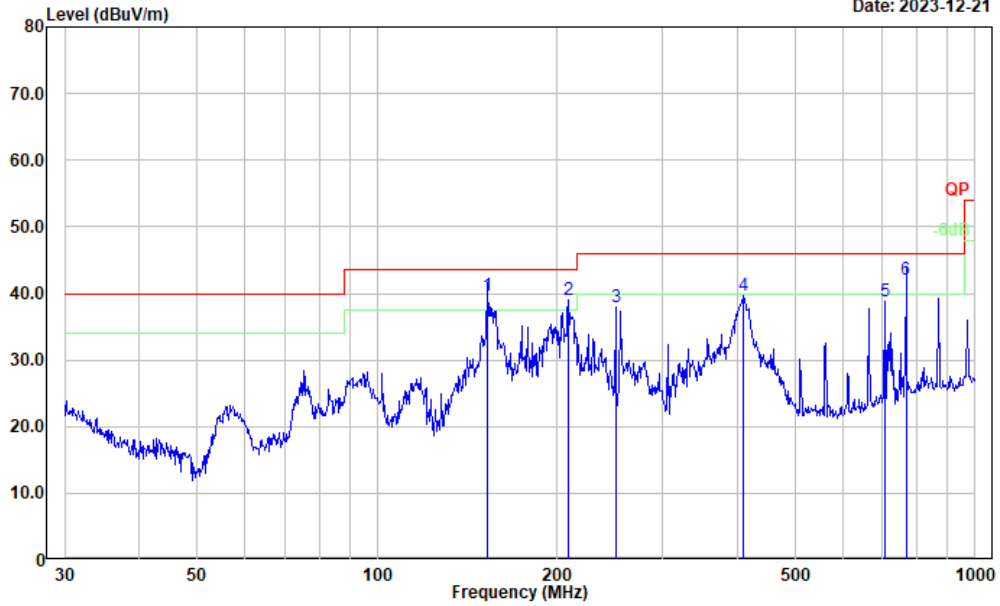


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	76.781	49.25	-17.51	31.74	40.00	8.26	Peak
2	152.664	48.74	-12.26	36.48	43.50	7.02	Peak
3	411.824	44.99	-8.63	36.36	46.00	9.64	Peak
4	663.473	43.45	-4.52	38.93	46.00	7.07	Peak
5	724.261	41.97	-3.62	38.35	46.00	7.65	Peak
6	766.057	44.92	-3.02	41.90	46.00	4.10	QP

POE Adapter Middle Channel:

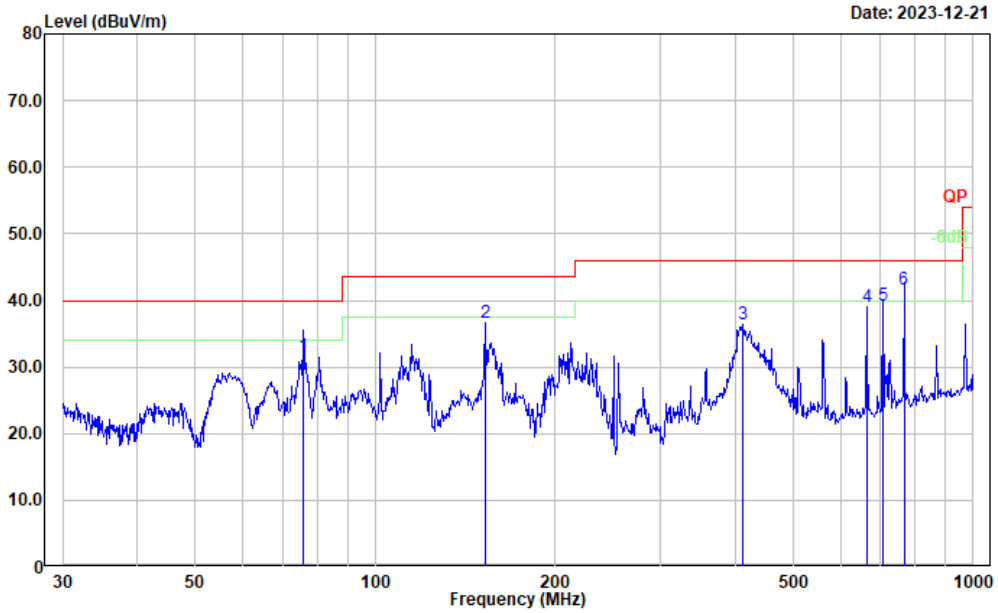
Project No.: CR231168211-RF
 Tester: Jeff Luo
 Polarization: horizontal
 Note: M2 Transmitting(Powered by POE 2.4G WIFI)

Date: 2023-12-21



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	152.664	52.02	-12.26	39.76	43.50	3.74	QP
2	208.580	51.84	-12.91	38.93	43.50	4.57	Peak
3	250.301	51.47	-13.61	37.86	46.00	8.14	Peak
4	408.946	48.47	-8.75	39.72	46.00	6.28	Peak
5	706.700	42.59	-3.81	38.78	46.00	7.22	Peak
6	766.057	45.01	-3.02	41.99	46.00	4.01	QP

Project No.: CR231168211-RF
 Tester: Jeff Luo
 Polarization: vertical
 Note: M2 Transmitting(Powered by POE 2.4G WIFI)

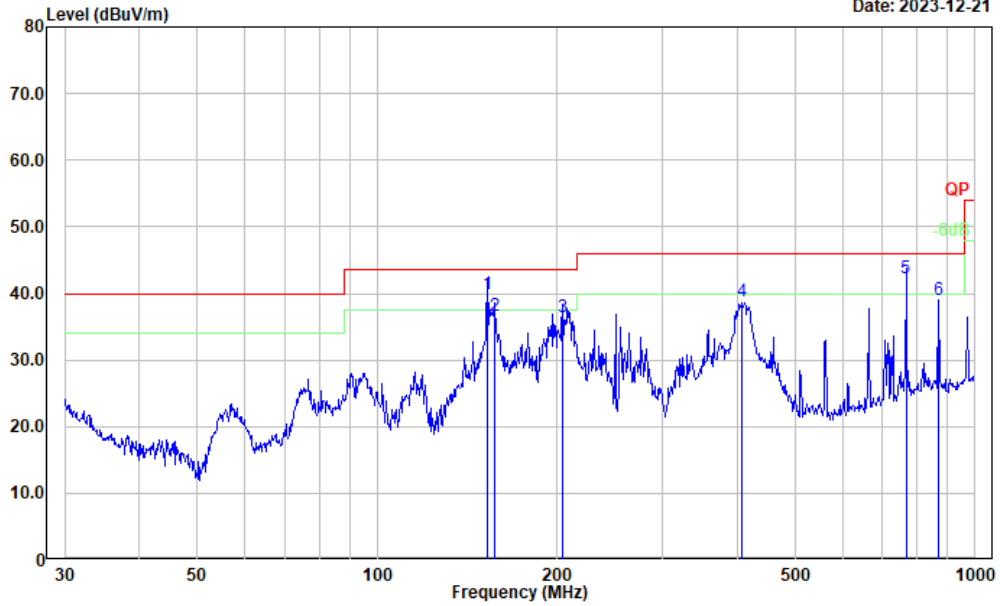


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	75.977	49.00	-17.45	31.55	40.00	8.45	QP
2	152.664	48.91	-12.26	36.65	43.50	6.85	Peak
3	411.824	44.99	-8.63	36.36	46.00	9.64	Peak
4	663.473	43.44	-4.52	38.92	46.00	7.08	Peak
5	706.700	43.03	-3.81	39.22	46.00	6.78	QP
6	766.057	44.75	-3.02	41.73	46.00	4.27	QP

POE Adapter_High Channel:

Project No.: CR231168211-RF
 Tester: Jeff Luo
 Polarization: horizontal
 Note: M2 Transmitting(Powered by POE 2.4G WIFI)

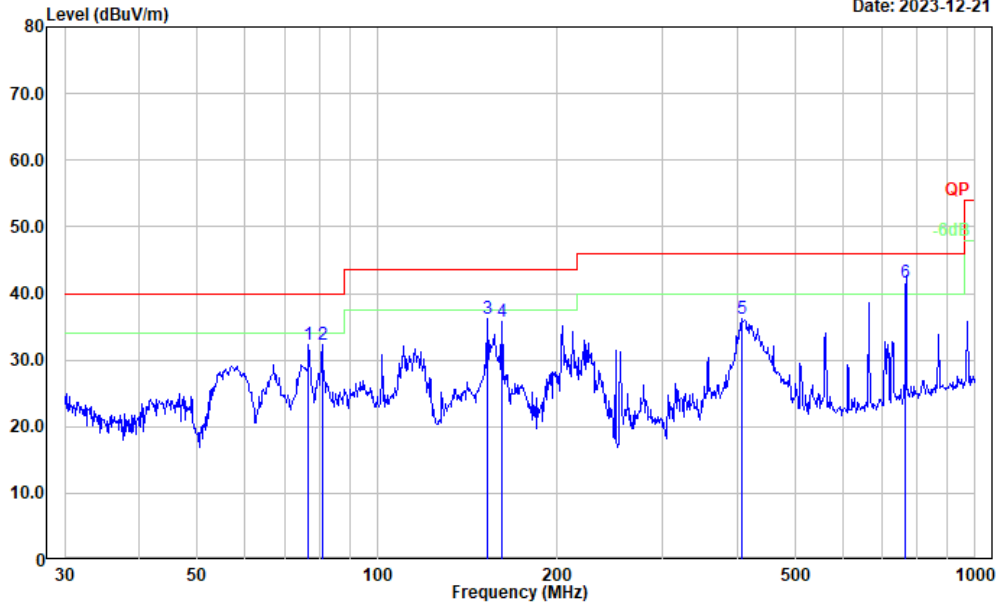
Date: 2023-12-21



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	153.091	52.07	-12.27	39.80	43.50	3.70	QP
2	157.559	48.93	-12.35	36.58	43.50	6.92	QP
3	204.238	49.18	-12.79	36.39	43.50	7.11	QP
4	407.515	47.53	-8.83	38.70	46.00	7.30	Peak
5	766.057	45.39	-3.02	42.37	46.00	3.63	QP
6	869.130	40.49	-1.55	38.94	46.00	7.06	Peak

Project No.: CR231168211-RF
 Tester: Jeff Luo
 Polarization: vertical
 Note: M2 Transmitting(Powered by POE 2.4G WIFI)

Date: 2023-12-21



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	76.781	49.88	-17.51	32.37	40.00	7.63	Peak
2	80.927	50.02	-17.74	32.28	40.00	7.72	Peak
3	152.664	48.56	-12.26	36.30	43.50	7.20	Peak
4	161.474	48.38	-12.52	35.86	43.50	7.64	Peak
5	407.515	45.04	-8.83	36.21	46.00	9.79	Peak
6	764.404	44.75	-3.06	41.69	46.00	4.31	QP

2) 1-25GHz(DC Adapter was the worst):**802.11b Mode**

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector					
Low Channel: 2412 MHz							
2390.000	26.75	PK	H	31.71	58.46	74.00	15.54
2390.000	13.48	AV	H	31.71	45.19	54.00	8.81
2390.000	26.55	PK	V	31.71	58.26	74.00	15.74
2390.000	13.62	AV	V	31.71	45.33	54.00	8.67
4824.000	35.64	PK	H	11.26	46.90	74.00	27.10
4824.000	30.38	AV	H	11.26	41.64	54.00	12.36
4824.000	36.74	PK	V	11.26	48.00	74.00	26.00
4824.000	31.44	AV	V	11.26	42.70	54.00	11.30
7236.000	35.39	PK	H	15.24	50.63	74.00	23.37
7236.000	29.63	AV	H	15.24	44.87	54.00	9.13
7236.000	35.28	PK	V	15.24	50.52	74.00	23.48
7236.000	26.17	AV	V	15.24	41.41	54.00	12.59
Middle Channel: 2437 MHz							
4874.000	36.57	PK	H	11.45	48.02	74.00	25.98
4874.000	31.25	AV	H	11.45	42.70	54.00	11.30
4874.000	35.24	PK	V	11.45	46.69	74.00	27.31
4874.000	30.15	AV	V	11.45	41.60	54.00	12.40
7311.000	34.74	PK	H	15.58	50.32	74.00	23.68
7311.000	25.69	AV	H	15.58	41.27	54.00	12.73
7311.000	34.78	PK	V	15.58	50.36	74.00	23.64
7311.000	25.44	AV	V	15.58	41.02	54.00	12.98
High Channel: 2462 MHz							
2483.500	29.65	PK	H	32.19	61.84	74.00	12.16
2483.500	19.23	AV	H	32.19	51.42	54.00	2.58
2483.500	29.01	PK	V	32.19	61.20	74.00	12.80
2483.500	18.97	AV	V	32.19	51.16	54.00	2.84
4924.000	39.62	PK	H	11.67	51.29	74.00	22.71
4924.000	34.87	AV	H	11.67	46.54	54.00	7.46
4924.000	42.65	PK	V	11.67	54.32	74.00	19.68
4924.000	37.87	AV	V	11.67	49.54	54.00	4.46
7386.000	40.50	PK	H	15.63	56.13	74.00	17.87
7386.000	31.54	AV	H	15.63	47.17	54.00	6.83
7386.000	35.62	PK	V	15.63	51.25	74.00	22.75
7386.000	26.65	AV	V	15.63	42.28	54.00	11.72

802.11g Mode

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector					
Low Channel: 2412 MHz							
2390.000	26.64	PK	H	31.71	58.35	74.00	15.65
2390.000	13.52	AV	H	31.71	45.23	54.00	8.77
2390.000	26.74	PK	V	31.71	58.45	74.00	15.55
2390.000	13.45	AV	V	31.71	45.16	54.00	8.84
4824.000	34.56	PK	H	11.26	45.82	74.00	28.18
4824.000	21.47	AV	H	11.26	32.73	54.00	21.27
4824.000	34.63	PK	V	11.26	45.89	74.00	28.11
4824.000	21.59	AV	V	11.26	32.85	54.00	21.15
7236.000	33.59	PK	H	15.24	48.83	74.00	25.17
7236.000	20.65	AV	H	15.24	35.89	54.00	18.11
7236.000	33.49	PK	V	15.24	48.73	74.00	25.27
7236.000	20.58	AV	V	15.24	35.82	54.00	18.18
Middle Channel: 2437 MHz							
4874.000	34.52	PK	H	11.45	45.97	74.00	28.03
4874.000	21.33	AV	H	11.45	32.78	54.00	21.22
4874.000	34.73	PK	V	11.45	46.18	74.00	27.82
4874.000	21.26	AV	V	11.45	32.71	54.00	21.29
7311.000	33.76	PK	H	15.58	49.34	74.00	24.66
7311.000	20.39	AV	H	15.58	35.97	54.00	18.03
7311.000	33.53	PK	V	15.58	49.11	74.00	24.89
7311.000	20.95	AV	V	15.58	36.53	54.00	17.47
High Channel: 2462 MHz							
2483.500	30.54	PK	H	32.19	62.73	74.00	11.27
2483.500	19.65	AV	H	32.19	51.84	54.00	2.16
2483.500	30.47	PK	V	32.19	62.66	74.00	11.34
2483.500	19.34	AV	V	32.19	51.53	54.00	2.47
4924.000	34.75	PK	H	11.67	46.42	74.00	27.58
4924.000	21.59	AV	H	11.67	33.26	54.00	20.74
4924.000	34.62	PK	V	11.67	46.29	74.00	27.71
4924.000	21.62	AV	V	11.67	33.29	54.00	20.71
7386.000	37.54	PK	H	15.63	53.17	74.00	20.83
7386.000	24.38	AV	H	15.63	40.01	54.00	13.99
7386.000	35.47	PK	V	15.63	51.10	74.00	22.90
7386.000	22.54	AV	V	15.63	38.17	54.00	15.83

802.11n ht20 Mode:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector					
Low Channel: 2412 MHz							
2390.000	26.64	PK	H	31.71	58.35	74.00	15.65
2390.000	13.53	AV	H	31.71	45.24	54.00	8.76
2390.000	26.74	PK	V	31.71	58.45	74.00	15.55
2390.000	13.49	AV	V	31.71	45.20	54.00	8.80
4824.000	34.22	PK	H	11.26	45.48	74.00	28.52
4824.000	21.38	AV	H	11.26	32.64	54.00	21.36
4824.000	34.43	PK	V	11.26	45.69	74.00	28.31
4824.000	21.52	AV	V	11.26	32.78	54.00	21.22
7236.000	33.36	PK	H	15.24	48.60	74.00	25.40
7236.000	20.15	AV	H	15.24	35.39	54.00	18.61
7236.000	33.63	PK	V	15.24	48.87	74.00	25.13
7236.000	20.28	AV	V	15.24	35.52	54.00	18.48
Middle Channel: 2437 MHz							
4874.000	34.38	PK	H	11.45	45.83	74.00	28.17
4874.000	21.29	AV	H	11.45	32.74	54.00	21.26
4874.000	34.53	PK	V	11.45	45.98	74.00	28.02
4874.000	21.36	AV	V	11.45	32.81	54.00	21.19
7311.000	33.53	PK	H	15.58	49.11	74.00	24.89
7311.000	20.37	AV	H	15.58	35.95	54.00	18.05
7311.000	33.61	PK	V	15.58	49.19	74.00	24.81
7311.000	20.42	AV	V	15.58	36.00	54.00	18.00
High Channel: 2462 MHz							
2483.500	29.76	PK	H	32.19	61.95	74.00	12.05
2483.500	15.45	AV	H	32.19	47.64	54.00	6.36
2483.500	29.45	PK	V	32.19	61.64	74.00	12.36
2483.500	15.34	AV	V	32.19	47.53	54.00	6.47
4924.000	34.35	PK	H	11.67	46.02	74.00	27.98
4924.000	21.26	AV	H	11.67	32.93	54.00	21.07
4924.000	34.39	PK	V	11.67	46.06	74.00	27.94
4924.000	21.52	AV	V	11.67	33.19	54.00	20.81
7386.000	33.47	PK	H	15.63	49.10	74.00	24.90
7386.000	20.41	AV	H	15.63	36.04	54.00	17.96
7386.000	33.35	PK	V	15.63	48.98	74.00	25.02
7386.000	20.62	AV	V	15.63	36.25	54.00	17.75

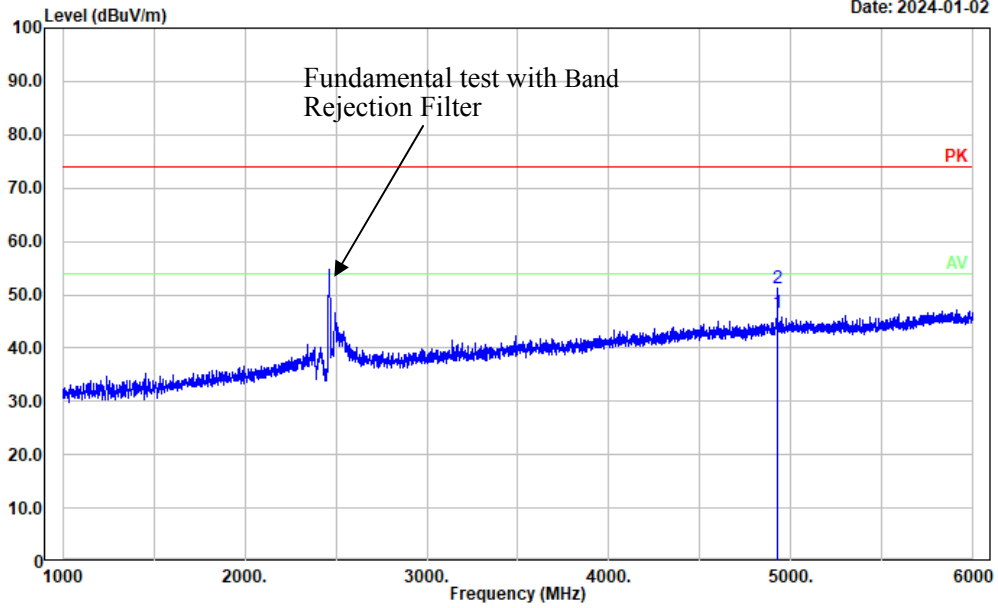
802.11n ht40 Mode:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
	Reading (dB μ V)	Detector					
Low Channel: 2422 MHz							
2390.000	26.53	PK	H	31.71	58.24	74.00	15.76
2390.000	13.62	AV	H	31.71	45.33	54.00	8.67
2390.000	26.84	PK	V	31.71	58.55	74.00	15.45
2390.000	13.55	AV	V	31.71	45.26	54.00	8.74
4844.000	34.36	PK	H	11.31	45.67	74.00	28.33
4844.000	21.25	AV	H	11.31	32.56	54.00	21.44
4844.000	34.43	PK	V	11.31	45.74	74.00	28.26
4844.000	21.55	AV	V	11.31	32.86	54.00	21.14
7266.000	33.73	PK	H	15.43	49.16	74.00	24.84
7266.000	20.15	AV	H	15.43	35.58	54.00	18.42
7266.000	33.64	PK	V	15.43	49.07	74.00	24.93
7266.000	20.45	AV	V	15.43	35.88	54.00	18.12
Middle Channel: 2437 MHz							
4874.000	34.77	PK	H	11.45	46.22	74.00	27.78
4874.000	21.65	AV	H	11.45	33.10	54.00	20.90
4874.000	34.83	PK	V	11.45	46.28	74.00	27.72
4874.000	20.59	AV	V	11.45	32.04	54.00	21.96
7311.000	33.64	PK	H	15.58	49.22	74.00	24.78
7311.000	20.23	AV	H	15.58	35.81	54.00	18.19
7311.000	33.47	PK	V	15.58	49.05	74.00	24.95
7311.000	20.15	AV	V	15.58	35.73	54.00	18.27
High Channel: 2452 MHz							
2483.500	26.75	PK	H	32.19	58.94	74.00	15.06
2483.500	13.65	AV	H	32.19	45.84	54.00	8.16
2483.500	26.49	PK	V	32.19	58.68	74.00	15.32
2483.500	13.72	AV	V	32.19	45.91	54.00	8.09
4904.000	35.12	PK	H	11.58	46.70	74.00	27.30
4904.000	22.03	AV	H	11.58	33.61	54.00	20.39
4904.000	34.76	PK	V	11.58	46.34	74.00	27.66
4904.000	21.86	AV	V	11.58	33.44	54.00	20.56
7356.000	33.53	PK	H	15.55	49.08	74.00	24.92
7356.000	20.26	AV	H	15.55	35.81	54.00	18.19
7356.000	33.48	PK	V	15.55	49.03	74.00	24.97
7356.000	20.34	AV	V	15.55	35.89	54.00	18.11

Worst radiation spurious emissions margin test plots (802.11b High Channel)

Project No.: CR231168211-RF
 Tester: coco Tian
 Polarization: horizontal
 Note: 2.4G Wifi

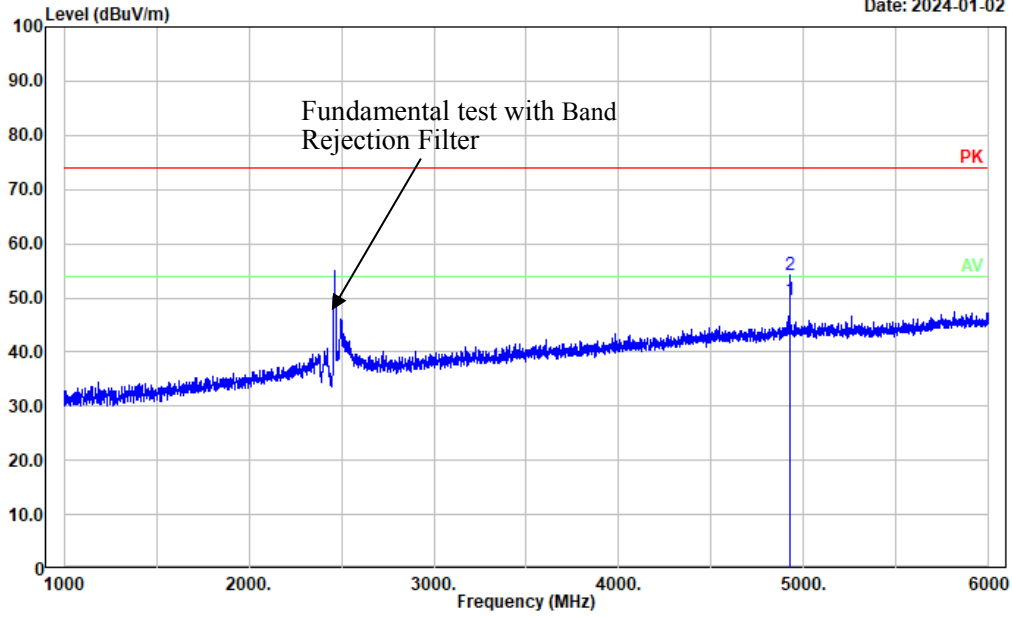
Date: 2024-01-02



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	4924.000	34.87	11.67	46.54	54.00	7.46	Average
2	4924.000	39.62	11.67	51.29	74.00	22.71	Peak

Project No.: CR231168211-RF
 Tester: coco Tian
 Polarization: vertical
 Note: 2.4G Wifi

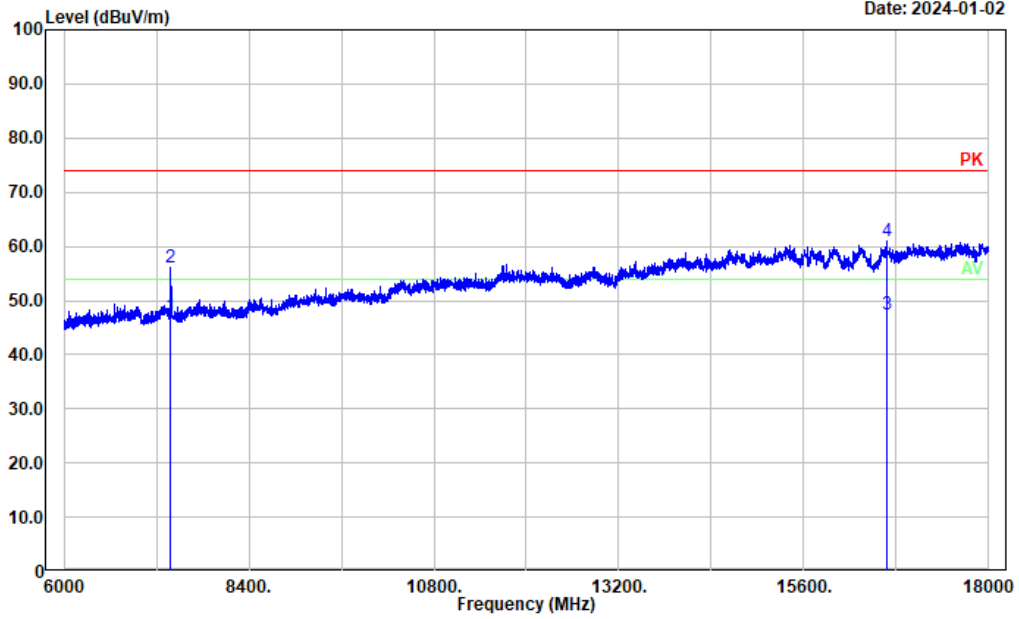
Date: 2024-01-02



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	4924.000	37.87	11.67	49.54	54.00	4.46	Average
2	4924.000	42.65	11.67	54.32	74.00	19.68	Peak

Project No.: CR231168211-RF
 Tester: coco Tian
 Polarization: horizontal
 Note: 2.4G Wifi

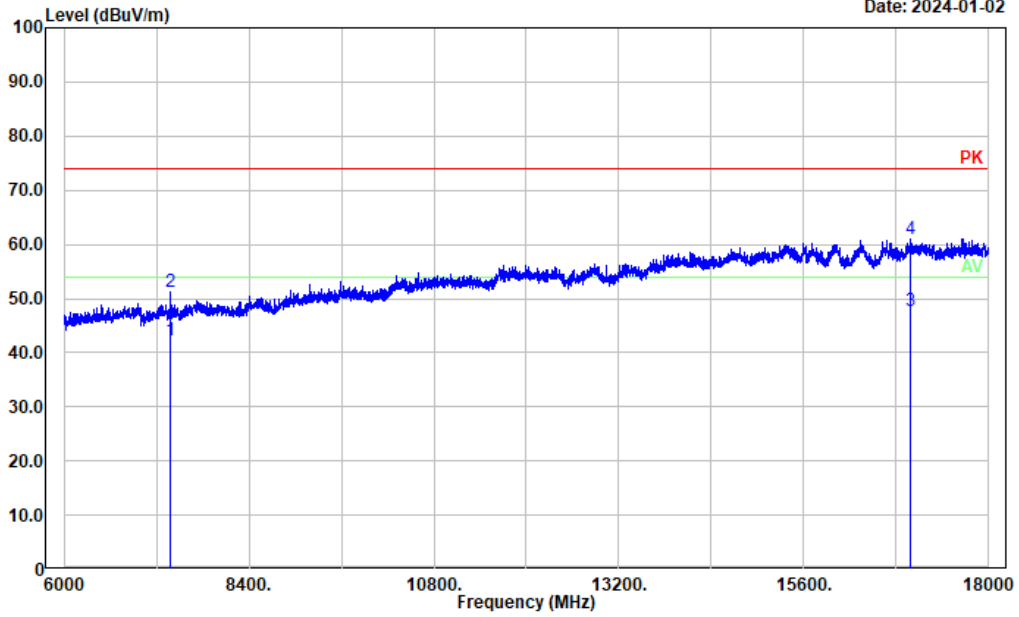
Date: 2024-01-02



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	7386.000	31.54	15.63	47.17	54.00	6.83	Average
2	7386.000	40.50	15.63	56.13	74.00	17.87	Peak
3	16675.200	20.72	26.62	47.34	54.00	6.66	Average
4	16675.200	34.38	26.62	61.00	74.00	13.00	Peak

Project No.: CR231168211-RF
 Tester: coco Tian
 Polarization: vertical
 Note: 2.4G Wifi

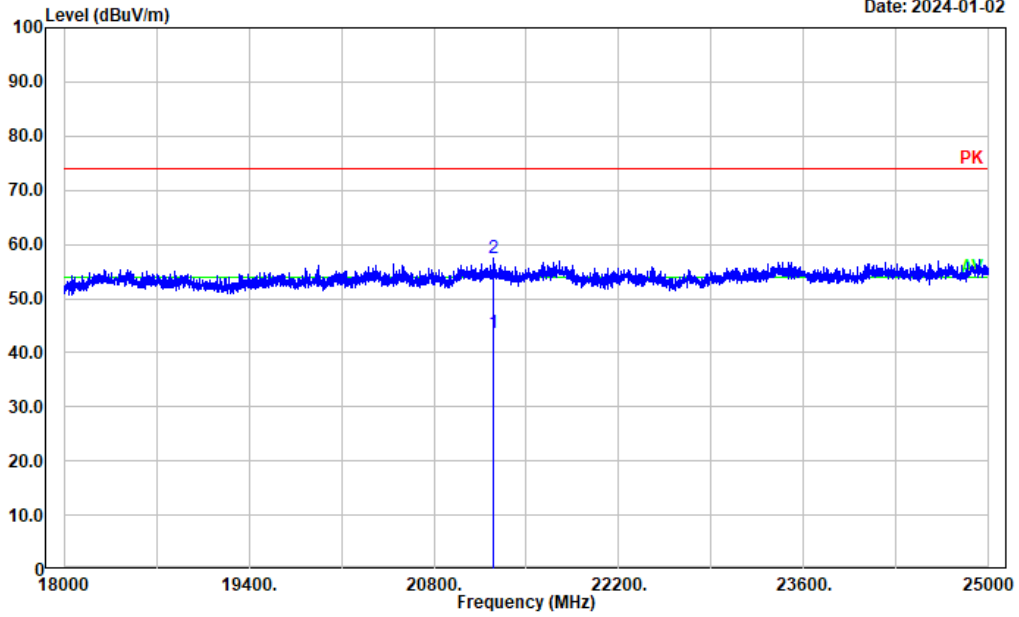
Date: 2024-01-02



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	7386.000	26.65	15.63	42.28	54.00	11.72	Average
2	7386.000	35.62	15.63	51.25	74.00	22.75	Peak
3	16989.600	19.73	28.04	47.77	54.00	6.23	Average
4	16989.600	33.01	28.04	61.05	74.00	12.95	Peak

Project No.: CR231168211-RF
 Tester: coco Tian
 Polarization: Horizontal
 Note: 2.4G Wifi

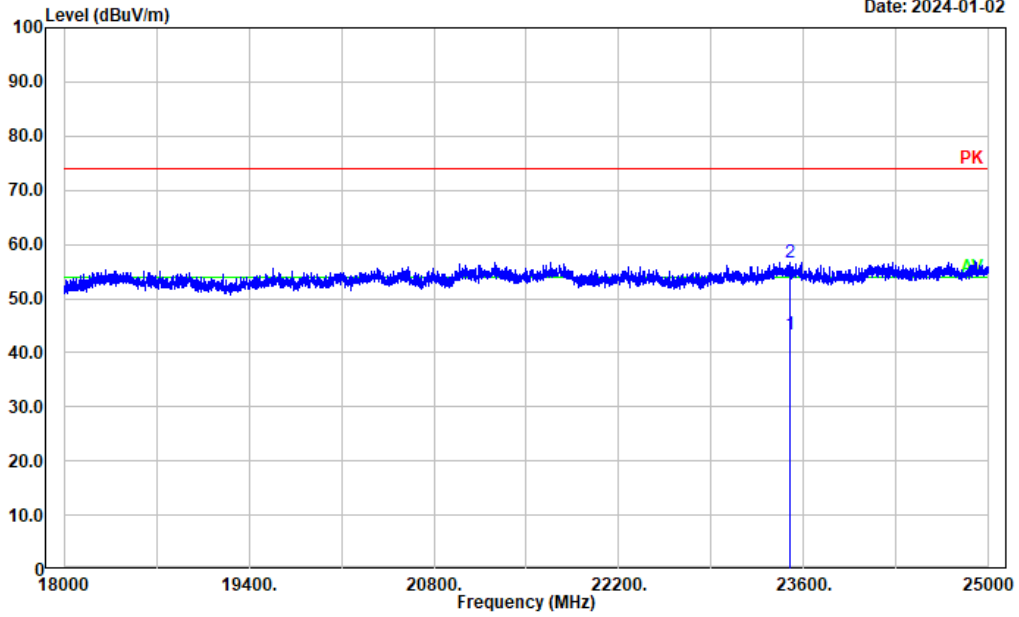
Date: 2024-01-02



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	21248.000	38.64	4.87	43.51	54.00	10.49	Average
2	21248.000	52.51	4.87	57.38	74.00	16.62	Peak

Project No.: CR231168211-RF
 Tester: coco Tian
 Polarization: Vertical
 Note: 2.4G Wifi

Date: 2024-01-02



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	23497.800	37.98	5.39	43.37	54.00	10.63	Average
2	23497.800	51.29	5.39	56.68	74.00	17.32	Peak

4.3 Minimum 6 dB Emission Bandwidth

Serial Number:	DYG-2	Test Date:	2024/1/2
Test Site:	RF	Test Mode:	Transmitting
Tester:	Lingling Li	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	26.1	Relative Humidity: (%)	55	ATM Pressure: (kPa)	101.2
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	100147	2023/3/31	2024/3/30
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)	6 dB Bandwidth (MHz)	Limit (MHz)
802.11b	2412	10.136	0.5
	2437	10.072	0.5
	2462	10.136	0.5
802.11g	2412	16.371	0.5
	2437	16.403	0.5
	2462	16.403	0.5
802.11n ht20	2412	17.394	0.5
	2437	17.426	0.5
	2462	17.618	0.5
802.11n ht40	2422	35.300	0.5
	2437	35.236	0.5
	2452	35.236	0.5

6dB Emission Bandwidth	
802.11b Lowest Channel	<p> Ref: 30.5 dBm Att: 30 dB RBW: 100 kHz VBW: 300 kHz Delta 1 [T1]: 1.13 dB Offset: 10.5 dB Marker 1 [T1]: 2.406932054 GHz -1.41 dBm D1: 5.097 dBm D2: -0.103 dBm Center: 2.412 GHz 4 MHz/ Span: 40 MHz </p> <p> Comment: ProjectNo.:CR231168211-RF Tester:Lingling Li Date: 2.JAN.2024 18:37:16 </p>
802.11b Middle Channel	<p> Ref: 30.5 dBm Att: 30 dB RBW: 100 kHz VBW: 300 kHz Delta 1 [T1]: -0.11 dB Offset: 10.5 dB Marker 1 [T1]: 2.431964029 GHz -0.05 dBm D1: 6.324 dBm D2: 0.324 dBm Center: 2.437 GHz 4 MHz/ Span: 40 MHz </p> <p> Comment: ProjectNo.:CR231168211-RF Tester:Lingling Li Date: 2.JAN.2024 18:37:44 </p>
802.11b Highest Channel	<p> Ref: 30.5 dBm Att: 30 dB RBW: 100 kHz VBW: 300 kHz Delta 1 [T1]: 1.03 dB Offset: 10.5 dB Marker 1 [T1]: 2.456932054 GHz -1.18 dBm D1: 6.573 dBm D2: 0.573 dBm Center: 2.462 GHz 4 MHz/ Span: 40 MHz </p> <p> Comment: ProjectNo.:CR231168211-RF Tester:Lingling Li Date: 2.JAN.2024 18:46:17 </p>

6dB Emission Bandwidth	
802.11g Lowest Channel	<p>Ref 30.5 dBm Att 30 dB RBW 100 kHz Delta 1 [T1] -0.37 dB VBW 300 kHz SWT 15 ms 16.370903277 MHz</p> <p>Offset 10.5 dB Marker 1 [T1] -1.48 dBm 2.403830536 GHz</p> <p>D1 -3.29 dBm D2 -9.25 dBm</p> <p>Center 2.412 GHz 4 MHz/ Span 40 MHz</p> <p>Comment: ProjectNo.:CR231168211-RF Tester:Lingling Li Date: 2.JAN.2024 18:49:44</p>
802.11g Middle Channel	<p>Ref 30.5 dBm Att 30 dB RBW 100 kHz Delta 1 [T1] 0.81 dB VBW 300 kHz SWT 15 ms 16.402877698 MHz</p> <p>Offset 10.5 dB Marker 1 [T1] -1.38 dBm 2.42877698 MHz</p> <p>D1 -2.44 dBm D2 -8.44 dBm</p> <p>Center 2.437 GHz 4 MHz/ Span 40 MHz</p> <p>Comment: ProjectNo.:CR231168211-RF Tester:Lingling Li Date: 2.JAN.2024 18:51:36</p>
802.11g Highest Channel	<p>Ref 30.5 dBm Att 30 dB RBW 100 kHz Delta 1 [T1] 0.19 dB VBW 300 kHz SWT 15 ms 16.402877698 MHz</p> <p>Offset 10.5 dB Marker 1 [T1] -0.68 dBm 2.453798561 GHz</p> <p>D1 -1.947 dBm D2 -7.967 dBm</p> <p>Center 2.462 GHz 4 MHz/ Span 40 MHz</p> <p>Comment: ProjectNo.:CR231168211-RF Tester:Lingling Li Date: 2.JAN.2024 18:55:07</p>

6dB Emission Bandwidth	
802.11n ht20 Lowest Channel	<p>Ref: 30.5 dBm Att: 30 dB RBW: 100 kHz VBW: 300 kHz Delta 1 [T1]: -0.08 dB Offset: 10.5 dB Marker 1 [T1]: -14.14 dBm Center: 2.412 GHz 4 MHz/ Span: 40 MHz</p> <p>Comment: ProjectNo.:CR231168211-RF Tester:Lingling Li Date: 2.JAN.2024 18:58:51</p>
802.11n ht20 Middle Channel	<p>Ref: 30.5 dBm Att: 30 dB RBW: 100 kHz VBW: 300 kHz Delta 1 [T1]: -1.66 dB Offset: 10.5 dB Marker 1 [T1]: -9.38 dBm Center: 2.437 GHz 4 MHz/ Span: 40 MHz</p> <p>Comment: ProjectNo.:CR231168211-RF Tester:Lingling Li Date: 2.JAN.2024 19:00:39</p>
802.11n ht20 Highest Channel	<p>Ref: 30.5 dBm Att: 30 dB RBW: 100 kHz VBW: 300 kHz Delta 1 [T1]: -0.63 dB Offset: 10.5 dB Marker 1 [T1]: -8.78 dBm Center: 2.462 GHz 4 MHz/ Span: 40 MHz</p> <p>Comment: ProjectNo.:CR231168211-RF Tester:Lingling Li Date: 2.JAN.2024 19:04:19</p>

6dB Emission Bandwidth	
802.11n ht40 Lowest Channel	<p>Comment: ProjectNo.:CR231168211-RF Tester:Lingling Li Date: 2.JAN.2024 19:08:09</p>
802.11n ht40 Middle Channel	<p>Comment: ProjectNo.:CR231168211-RF Tester:Lingling Li Date: 2.JAN.2024 19:10:58</p>
802.11n ht40 Highest Channel	<p>Comment: ProjectNo.:CR231168211-RF Tester:Lingling Li Date: 2.JAN.2024 19:14:56</p>

4.4 99% Occupied Bandwidth

Serial Number:	DYG-2	Test Date:	2024/1/2
Test Site:	RF	Test Mode:	Transmitting
Tester:	Lingling Li	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	26.1	Relative Humidity: (%)	55	ATM Pressure: (kPa)	101.2
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	100147	2023/3/31	2024/3/30
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).

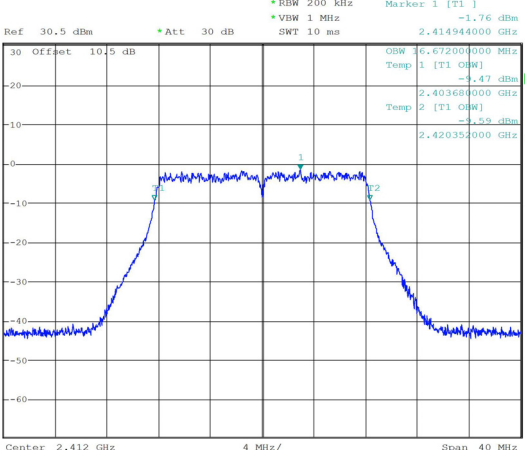
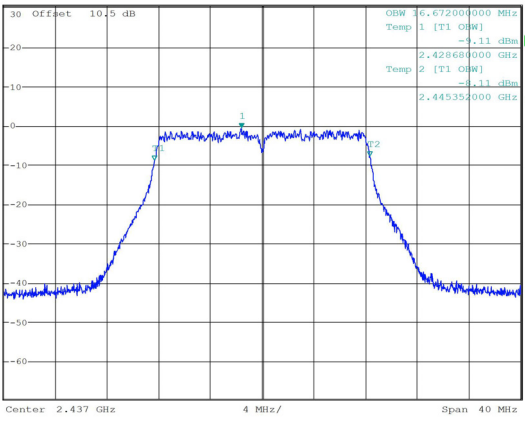
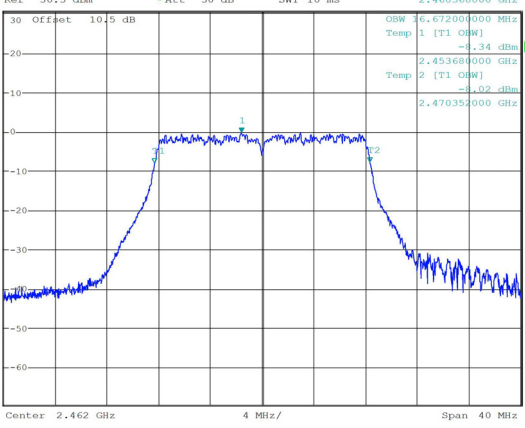
Test Data:

Test Modes	Test Channel	Test Frequency (MHz)	99% Occupied Bandwidth (MHz)
802.11b	Lowest	2412	15.008
	Middle	2437	14.944
	Highest	2462	15.072
802.11g	Lowest	2412	16.672
	Middle	2437	16.672
	Highest	2462	16.672
802.11n ht20	Lowest	2412	17.760
	Middle	2437	17.760
	Highest	2462	17.760
802.11n ht40	Lowest	2422	36.160
	Middle	2437	36.160
	Highest	2452	36.160

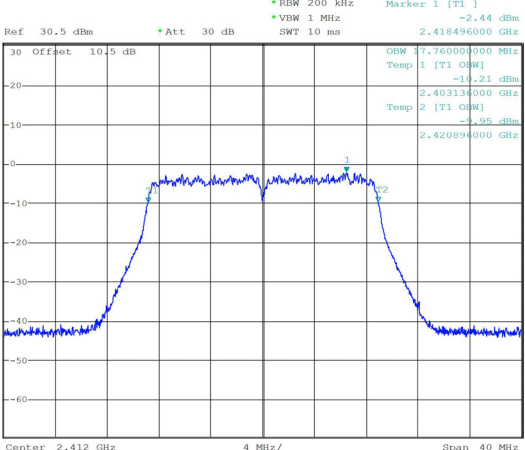
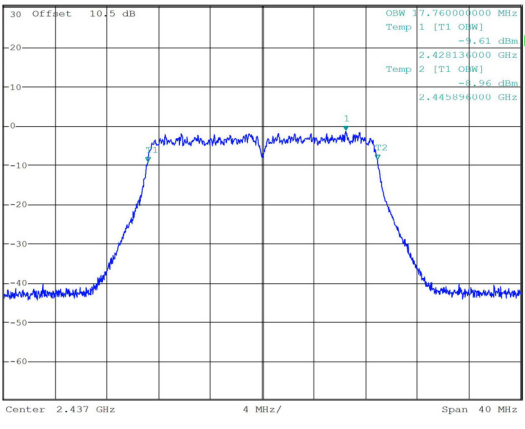
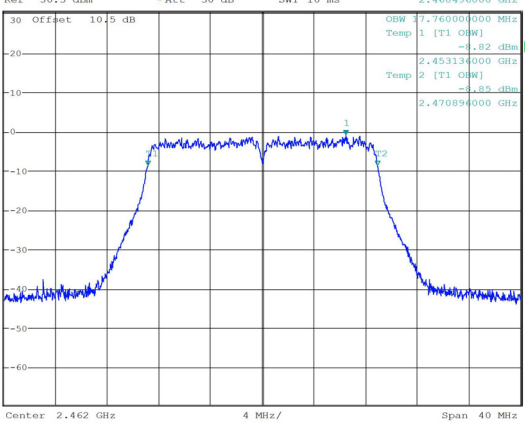
99% Occupied Bandwidth

<p>802.11b Lowest Channel</p>	<p>Ref: 30.5 dBm Att: 30 dB RBW: 200 kHz VBW: 1 MHz Marker 1 [T1] 6.13 dBm Offset: 10.5 dB SWT: 10 ms 2.411520000 GHz</p> <p>OBW: 5.008000000 MHz Temp 1 [T1] [OHW]: -4.81 dBm Temp 2 [T1] [OHW]: -4.59 dBm EVL</p> <p>Center: 2.412 GHz 4 MHz/ Span: 40 MHz</p> <p>Comment: ProjectNo.:CR231168211-RF Tester:Lingling Li Date: 2.JAN.2024 18:34:46</p>
<p>802.11b Middle Channel</p>	<p>Ref: 30.5 dBm Att: 30 dB RBW: 200 kHz VBW: 1 MHz Marker 1 [T1] 6.43 dBm Offset: 10.5 dB SWT: 10 ms 2.436488000 GHz</p> <p>OBW: 4.944000000 MHz Temp 1 [T1] [OHW]: -4.04 dBm Temp 2 [T1] [OHW]: -4.56 dBm EVL</p> <p>Center: 2.437 GHz 4 MHz/ Span: 40 MHz</p> <p>Comment: ProjectNo.:CR231168211-RF Tester:Lingling Li Date: 2.JAN.2024 18:37:57</p>
<p>802.11b Highest Channel</p>	<p>Ref: 30.5 dBm Att: 30 dB RBW: 200 kHz VBW: 1 MHz Marker 1 [T1] 7.12 dBm Offset: 10.5 dB SWT: 10 ms 2.461520000 GHz</p> <p>OBW: 5.072000000 MHz Temp 1 [T1] [OHW]: -4.53 dBm Temp 2 [T1] [OHW]: -4.23 dBm EVL</p> <p>Center: 2.462 GHz 4 MHz/ Span: 40 MHz</p> <p>Comment: ProjectNo.:CR231168211-RF Tester:Lingling Li Date: 2.JAN.2024 18:46:43</p>

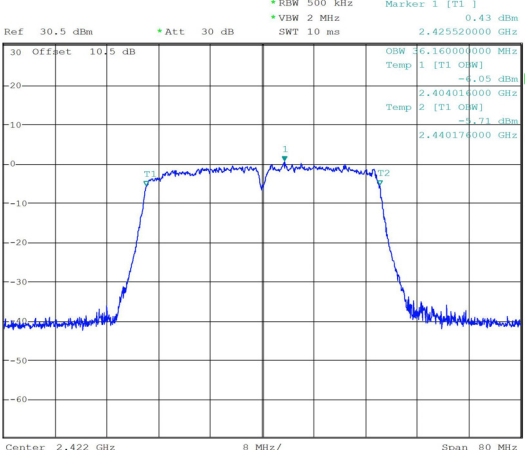
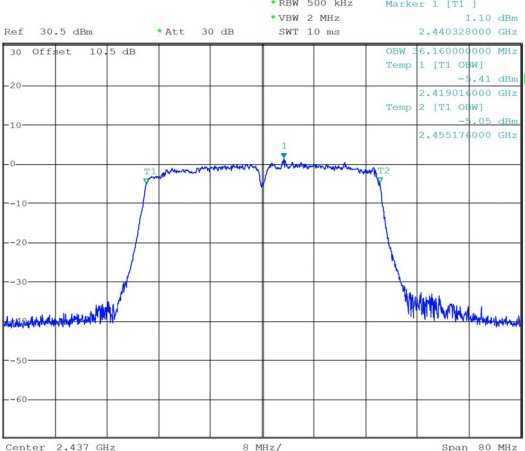
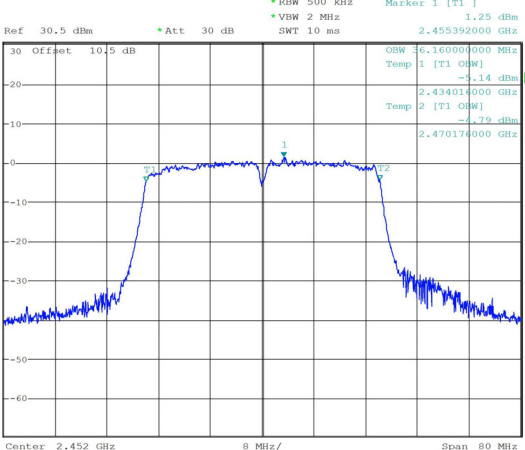
99% Occupied Bandwidth

<p>802.11g Lowest Channel</p>	 <p>Ref: 30.5 dBm * Att: 30 dB * RBW: 200 kHz * VBW: 1 MHz Marker 1 [T1] -1.76 dBm Offset: 10.5 dB * SWT: 10 ms 2.414944000 GHz</p> <p>OBW: 6.672000000 MHz Temp 1 [T1] [OHW] -1.47 dBm 2.403680000 GHz Temp 2 [T1] [OHW] -4.59 dBm 2.420352000 GHz</p> <p>Center: 2.412 GHz 4 MHz/ Span: 40 MHz</p> <p>Comment: ProjectNo.:CR231168211-RF Tester:Lingling Li Date: 2.JAN.2024 18:50:15</p>
<p>802.11g Middle Channel</p>	 <p>Ref: 30.5 dBm * Att: 30 dB * RBW: 200 kHz * VBW: 1 MHz Marker 1 [T1] -0.96 dBm Offset: 10.5 dB * SWT: 10 ms 2.435368000 GHz</p> <p>OBW: 6.672000000 MHz Temp 1 [T1] [OHW] -9.11 dBm 2.428680000 GHz Temp 2 [T1] [OHW] -1.11 dBm 2.445352000 GHz</p> <p>Center: 2.437 GHz 4 MHz/ Span: 40 MHz</p> <p>Comment: ProjectNo.:CR231168211-RF Tester:Lingling Li Date: 2.JAN.2024 18:52:11</p>
<p>802.11g Highest Channel</p>	 <p>Ref: 30.5 dBm * Att: 30 dB * RBW: 200 kHz * VBW: 1 MHz Marker 1 [T1] -0.50 dBm Offset: 10.5 dB * SWT: 10 ms 2.460368000 GHz</p> <p>OBW: 6.672000000 MHz Temp 1 [T1] [OHW] -1.34 dBm 2.453680000 GHz Temp 2 [T1] [OHW] -1.02 dBm 2.470352000 GHz</p> <p>Center: 2.462 GHz 4 MHz/ Span: 40 MHz</p> <p>Comment: ProjectNo.:CR231168211-RF Tester:Lingling Li Date: 2.JAN.2024 18:55:52</p>

99% Occupied Bandwidth

<p>802.11n ht20 Lowest Channel</p>	 <p>Ref 30.5 dBm * Att 30 dB * RBW 200 kHz Marker 1 [T1] -2.44 dBm * VBW 1 MHz 2.418496000 GHz * SWT 10 ms</p> <p>30 Offset 10.5 dB OBW 37.760000000 MHz 1 [T1] [OBW] Temp 1 [T1] [OBW] -14.21 dBm 2 [T1] [OBW] Temp 2 [T1] [OBW] -4.95 dBm 2.420896000 GHz</p> <p>Center 2.412 GHz 4 MHz/ Span 40 MHz</p> <p>Comment: ProjectNo.:CR231168211-RF Tester:Lingling Li Date: 2.JAN.2024 18:59:28</p>
<p>802.11n ht20 Middle Channel</p>	 <p>Ref 30.5 dBm * Att 30 dB * RBW 200 kHz Marker 1 [T1] -1.55 dBm * VBW 1 MHz 2.443464000 GHz * SWT 10 ms</p> <p>30 Offset 10.5 dB OBW 37.760000000 MHz 1 [T1] [OBW] Temp 1 [T1] [OBW] -9.61 dBm 2 [T1] [OBW] Temp 2 [T1] [OBW] -4.96 dBm 2.445094000 GHz</p> <p>Center 2.437 GHz 4 MHz/ Span 40 MHz</p> <p>Comment: ProjectNo.:CR231168211-RF Tester:Lingling Li Date: 2.JAN.2024 19:01:04</p>
<p>802.11n ht20 Highest Channel</p>	 <p>Ref 30.5 dBm * Att 30 dB * RBW 200 kHz Marker 1 [T1] -1.10 dBm * VBW 1 MHz 2.468496000 GHz * SWT 10 ms</p> <p>30 Offset 10.5 dB OBW 37.760000000 MHz 1 [T1] [OBW] Temp 1 [T1] [OBW] -4.82 dBm 2 [T1] [OBW] Temp 2 [T1] [OBW] -4.85 dBm 2.470894000 GHz</p> <p>Center 2.462 GHz 4 MHz/ Span 40 MHz</p> <p>Comment: ProjectNo.:CR231168211-RF Tester:Lingling Li Date: 2.JAN.2024 19:04:46</p>

99% Occupied Bandwidth

<p>802.11n ht40 Lowest Channel</p>	 <p>Ref: 30.5 dBm * Att: 30 dB * RBW: 500 kHz * VBW: 2 MHz Marker 1 [T1] 0.43 dBm Offset: 10.5 dB * SWT: 10 ms 2.425520000 GHz</p> <p>OBW: 36.160000000 MHz Temp 1 [T1] [OHW] -4.05 dBm 2.404014000 GHz Temp 2 [T1] [OHW] -4.71 dBm 2.440174000 GHz</p> <p>Center: 2.422 GHz 8 MHz/ Span: 80 MHz</p> <p>Comment: ProjectNo.:CR231168211-RF Tester:Lingling Li Date: 2.JAN.2024 19:08:45</p>
<p>802.11n ht40 Middle Channel</p>	 <p>Ref: 30.5 dBm * Att: 30 dB * RBW: 500 kHz * VBW: 2 MHz Marker 1 [T1] 1.10 dBm Offset: 10.5 dB * SWT: 10 ms 2.440328000 GHz</p> <p>OBW: 36.160000000 MHz Temp 1 [T1] [OHW] -5.41 dBm 2.419014000 GHz Temp 2 [T1] [OHW] -4.05 dBm 2.455174000 GHz</p> <p>Center: 2.437 GHz 8 MHz/ Span: 80 MHz</p> <p>Comment: ProjectNo.:CR231168211-RF Tester:Lingling Li Date: 2.JAN.2024 19:11:33</p>
<p>802.11n ht40 Highest Channel</p>	 <p>Ref: 30.5 dBm * Att: 30 dB * RBW: 500 kHz * VBW: 2 MHz Marker 1 [T1] 1.25 dBm Offset: 10.5 dB * SWT: 10 ms 2.455392000 GHz</p> <p>OBW: 36.160000000 MHz Temp 1 [T1] [OHW] -4.14 dBm 2.434014000 GHz Temp 2 [T1] [OHW] -4.79 dBm 2.470174000 GHz</p> <p>Center: 2.452 GHz 8 MHz/ Span: 80 MHz</p> <p>Comment: ProjectNo.:CR231168211-RF Tester:Lingling Li Date: 2.JAN.2024 19:15:44</p>

4.5 Maximum Conducted Output Power

Serial Number:	2DYG-2	Test Date:	2024/1/2
Test Site:	RF	Test Mode:	Transmitting
Tester:	LingLing Li	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	26.1	Relative Humidity: (%)	55	ATM Pressure: (kPa)	101.2
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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
Anritsu	Power Meter	ML2495A	1106009	2023/8/4	2024/8/3
Anritsu	Pulse Power Sensor	MA2411A	10780	2023/8/4	2024/8/3
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)
802.11b	2412	17.78	30
	2437	18.39	30
	2462	18.89	30
802.11g	2412	17.64	30
	2437	18.3	30
	2462	18.54	30
802.11n ht20	2412	17.52	30
	2437	18.13	30
	2462	18.36	30
802.11n ht40	2422	19.37	30
	2437	19.81	30
	2452	19.87	30

4.6 Maximum Power Spectral Density

Serial Number:	DYG-2	Test Date:	2024/1/2
Test Site:	RF	Test Mode:	Transmitting
Tester:	Lingling Li	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	26.1	Relative Humidity: (%)	55	ATM Pressure: (kPa)	101.2
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Test Equipment List and Details:

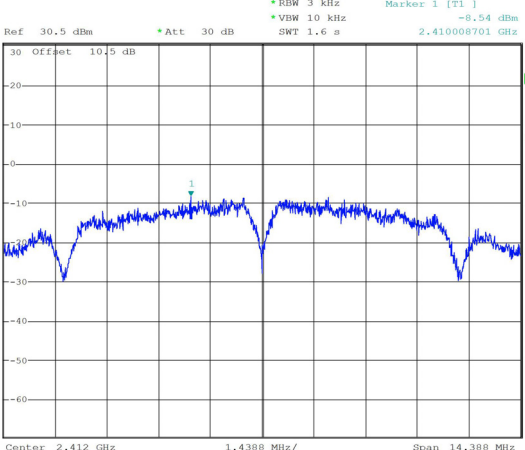
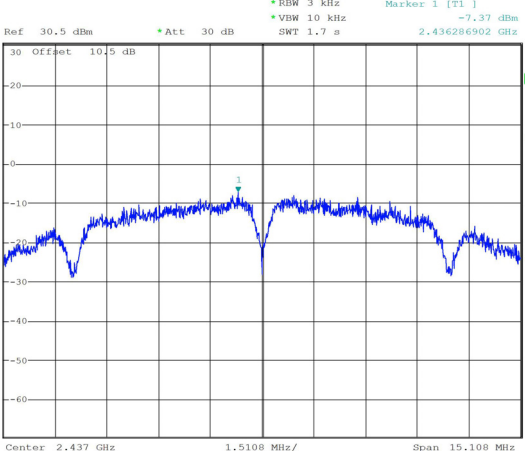
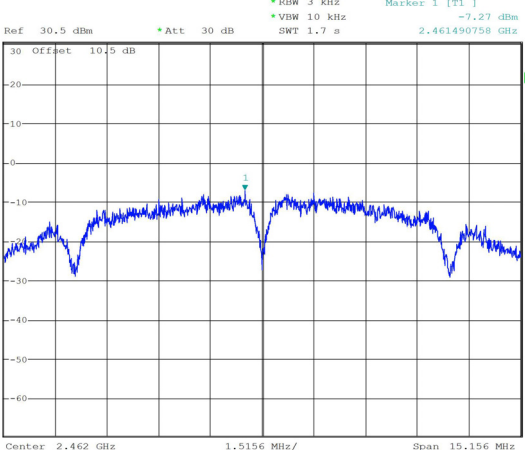
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	100147	2023/3/31	2024/3/30
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	N/A

* *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)	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)
802.11b	2412	-8.54	8.00
	2437	-7.37	8.00
	2462	-7.27	8.00
802.11g	2412	-17.14	8.00
	2437	-15.99	8.00
	2462	-15.62	8.00
802.11n ht20	2412	-18.34	8.00
	2437	-17.48	8.00
	2462	-15.78	8.00
802.11n ht40	2422	-20.14	8.00
	2437	-17.49	8.00
	2452	-19.02	8.00

Maximum power spectral density

<p>802.11b Lowest Channel</p>	 <p>Ref: 30.5 dBm Att: 30 dB RBW: 3 kHz VBW: 10 kHz SWT: 1.6 s Marker 1 [T1]: -8.54 dBm 2.41008701 GHz</p> <p>Offset: 10.5 dB</p> <p>Center: 2.412 GHz 1.4388 MHz/ Span: 14.388 MHz</p> <p>Comment: ProjectNo.:CR231168211-RF Tester:Lingling Li Date: 2.JAN.2024 18:35:15</p>
<p>802.11b Middle Channel</p>	 <p>Ref: 30.5 dBm Att: 30 dB RBW: 3 kHz VBW: 10 kHz SWT: 1.7 s Marker 1 [T1]: -7.37 dBm 2.436286902 GHz</p> <p>Offset: 10.5 dB</p> <p>Center: 2.437 GHz 1.5108 MHz/ Span: 15.108 MHz</p> <p>Comment: ProjectNo.:CR231168211-RF Tester:Lingling Li Date: 2.JAN.2024 18:38:22</p>
<p>802.11b Highest Channel</p>	 <p>Ref: 30.5 dBm Att: 30 dB RBW: 3 kHz VBW: 10 kHz SWT: 1.7 s Marker 1 [T1]: -7.27 dBm 2.461490758 GHz</p> <p>Offset: 10.5 dB</p> <p>Center: 2.462 GHz 1.5156 MHz/ Span: 15.156 MHz</p> <p>Comment: ProjectNo.:CR231168211-RF Tester:Lingling Li Date: 2.JAN.2024 18:44:45</p>

Maximum power spectral density

<p>802.11g Lowest Channel</p>	<p>Ref: 30.5 dBm Att: 30 dB RBW: 3 kHz VBW: 10 kHz SWT: 2.8 s Marker 1 [T1] -17.14 dBm 2.411076694 GHz</p> <p>Offset: 10.5 dB</p> <p>Center: 2.412 GHz 2.4556 MHz/ Span: 24.556 MHz</p> <p>Comment: ProjectNo.:CR231168211-RF Tester:Lingling Li Date: 2.JAN.2024 18:50:34</p>
<p>802.11g Middle Channel</p>	<p>Ref: 30.5 dBm Att: 30 dB RBW: 3 kHz VBW: 10 kHz SWT: 2.8 s Marker 1 [T1] -15.99 dBm 2.441999533 GHz</p> <p>Offset: 10.5 dB</p> <p>Center: 2.437 GHz 2.4604 MHz/ Span: 24.604 MHz</p> <p>Comment: ProjectNo.:CR231168211-RF Tester:Lingling Li Date: 2.JAN.2024 18:52:38</p>
<p>802.11g Highest Channel</p>	<p>Ref: 30.5 dBm Att: 30 dB RBW: 3 kHz VBW: 10 kHz SWT: 2.8 s Marker 1 [T1] -15.62 dBm 2.466999533 GHz</p> <p>Offset: 10.5 dB</p> <p>Center: 2.462 GHz 2.4604 MHz/ Span: 24.604 MHz</p> <p>Comment: ProjectNo.:CR231168211-RF Tester:Lingling Li Date: 2.JAN.2024 18:56:13</p>