



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-C112A

Product Name: Door Station

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: CR231164424-00C

Date Of Issue: 2023/12/30

Reviewed By: Julie Tan

Julie Tan

Title: RF Engineer

Approved By: Sun Zhong

Sun Zhong

Title: Manager

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

No. 113, Pingkang Road, Dalang Town, Dongguan,
Guangdong, China
Tel: +86-769-82016888

Test Facility

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

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

Declarations

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

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

This report cannot be reproduced except in full, without prior written approval of the Company.

This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.

This report may contain data that are not covered by the accreditation scope and shall be marked with an asterisk “★”.

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	12
2. SUMMARY OF TEST RESULTS	13
3. REQUIREMENTS AND TEST PROCEDURES	14
3.1 AC LINE CONDUCTED EMISSIONS.....	14
3.1.1 Applicable Standard.....	14
3.1.2 EUT Setup.....	15
3.1.3 EMI Test Receiver Setup	15
3.1.4 Test Procedure	16
3.1.5 Corrected Amplitude & Margin Calculation.....	16
3.2 RADIATION SPURIOUS EMISSIONS.....	17
3.2.1 Applicable Standard.....	17
3.2.2 EUT Setup.....	17
3.2.3 EMI Test Receiver & Spectrum Analyzer Setup	18
3.2.4 Test Procedure	19
3.2.5 Corrected Amplitude & Margin Calculation.....	19
3.3 MINIMUM 6 dB EMISSION BANDWIDTH	20
3.3.1 Applicable Standard.....	20
3.3.2 EUT Setup.....	20
3.3.3 Test Procedure	20
3.4 99% OCCUPIED BANDWIDTH.....	21
3.4.1 EUT Setup.....	21
3.4.2 Test Procedure	21
3.5 MAXIMUM CONDUCTED OUTPUT POWER.....	22
3.5.1 Applicable Standard.....	22
3.5.2 EUT Setup.....	22
3.5.3 Test Procedure	22
3.6 MAXIMUM POWER SPECTRAL DENSITY	23
3.6.1 Applicable Standard.....	23
3.6.2 EUT Setup.....	23
3.6.3 Test Procedure	23
3.7 100 KHZ BANDWIDTH OF FREQUENCY BAND EDGE.....	24
3.7.1 Applicable Standard.....	24
3.7.2 EUT Setup.....	24
3.7.3 Test Procedure	24

3.8 DUTY CYCLE	25
3.8.1 EUT Setup.....	25
3.8.2 Test Procedure	25
3.9 ANTENNA REQUIREMENT.....	25
3.9.1 Applicable Standard.....	25
3.9.2 Judgment.....	25
4. Test DATA AND RESULTS.....	26
4.1 AC LINE CONDUCTED EMISSIONS.....	26
4.2 RADIATION SPURIOUS EMISSIONS	31
4.3 MINIMUM 6 dB EMISSION BANDWIDTH	55
4.4 99% OCCUPIED BANDWIDTH.....	60
4.5 MAXIMUM CONDUCTED OUTPUT POWER.....	65
4.6 MAXIMUM POWER SPECTRAL DENSITY	66
4.7 100 KHz BANDWIDTH OF FREQUENCY BAND EDGE:	71
4.8 DUTY CYCLE:.....	76
5. EUT PHOTOGRAPHS	78
6. TEST SETUP PHOTOGRAPHS	79

DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	CR231164424-00C	Original Report	2023/12/30

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

EUT Name:	Door Station
EUT Model:	C112A
Multiple Models:	C112W, C112, C112R, IPK04, IPK05, 170SD-C61A, 170SD-C61R, 170SD-C61W, 170SD-C61, 170SD-C26
Operation Frequency:	2412-2462MHz(802.11b/g/n ht20), 2422-2452MHz(802.11n ht40)
Maximum Peak Output Power (Conducted):	22.4 dBm(802.11b/g/n)
Modulation Type:	802.11b:DSSS-DBPSK, DQPSK, CCK 802.11g/n:OFDM-BPSK, QPSK, 16QAM, 64QAM
Rated Input Voltage:	DC 12V From DC Port or Powered from POE
Serial Number:	2B74-3(For RF Conducted test) 2B74-1(For AC line conducted emissions and Radiated Spurious Emissions test)
EUT Received Date:	2023/11/3
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 Manufacturer	Antenna Type	input impedance (Ohm)	Frequency Range	Antenna Gain
Zhongshan Boantong communication Technology Co., LTD	PIFA	50	2.4~2.5GHz	2.09 dBi
The Method of §15.203 Compliance: ☒ Antenna was permanently attached to the unit. ☐ Antenna use a unique type of connector to attach to the EUT. ☐ Unit was professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.				

Accessory Information:

Accessory Description	Manufacturer	Model	Parameters
/	/	/	/

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	11	11	11
802.11g	6Mbps	11	11	11
802.11n ht20	MCS0	11	11	11
802.11n ht40	MCS0	11	11	11
Note: 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
TOTO Link	Router	LR1200	190924004S1
DEBOM	Adapter	DBS012A-1201000J	Unknown
Unknown	Relay Load	Relay-C1	EMRLLD20221010EN
Akuvox	Indoor Monitor	S568W	Unknown
Metke Skycom	PoE Adapter	M535122-2X1	WTX22X09195433S
Nexhome	Door Detector	DH-I66S(P)	EMZBIU20113001
Unknown	Wiegand Card Reader	Unknown	2B74-12
Unknown	RS485 Load	RS485-X1	F-EM-PHRJ45X8011

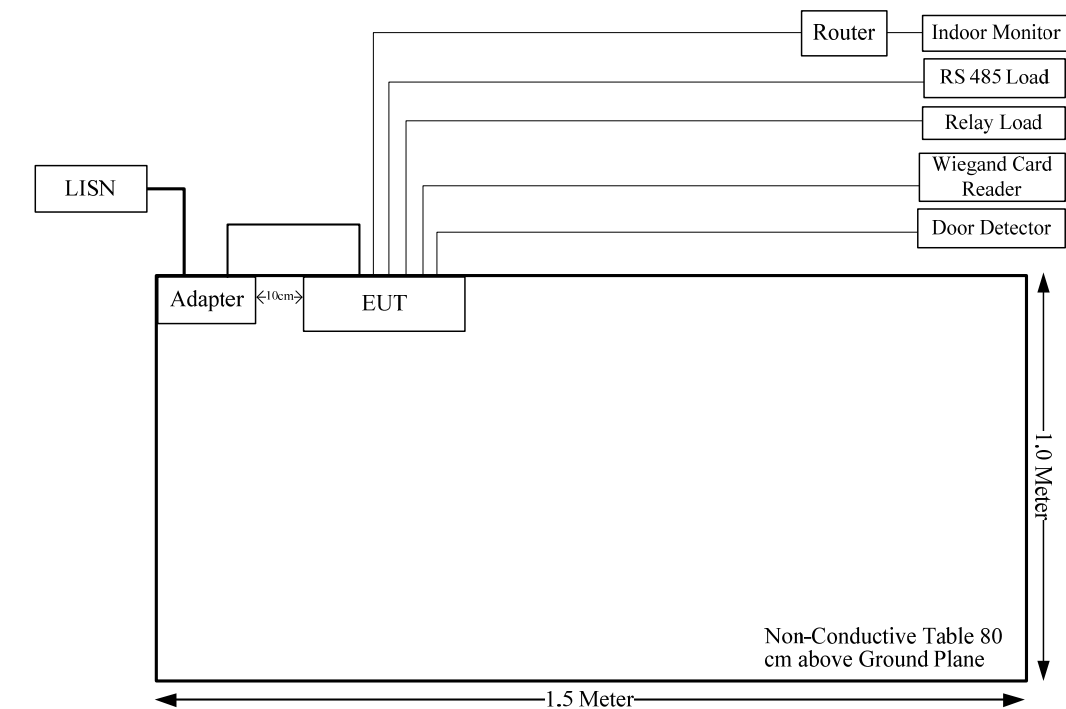
1.2.3 Support Cable List and Details

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	Indoor Monitor
RS485 Cable	No	No	10	RS485 Load	EUT
DC Cable	No	No	10	Relay Load	EUT
DC Cable	No	No	10	Wiegand Card Reader	EUT
DC Cable	No	No	10	Door Detector	EUT
RJ45 Cable	No	No	1.2	POE	EUT

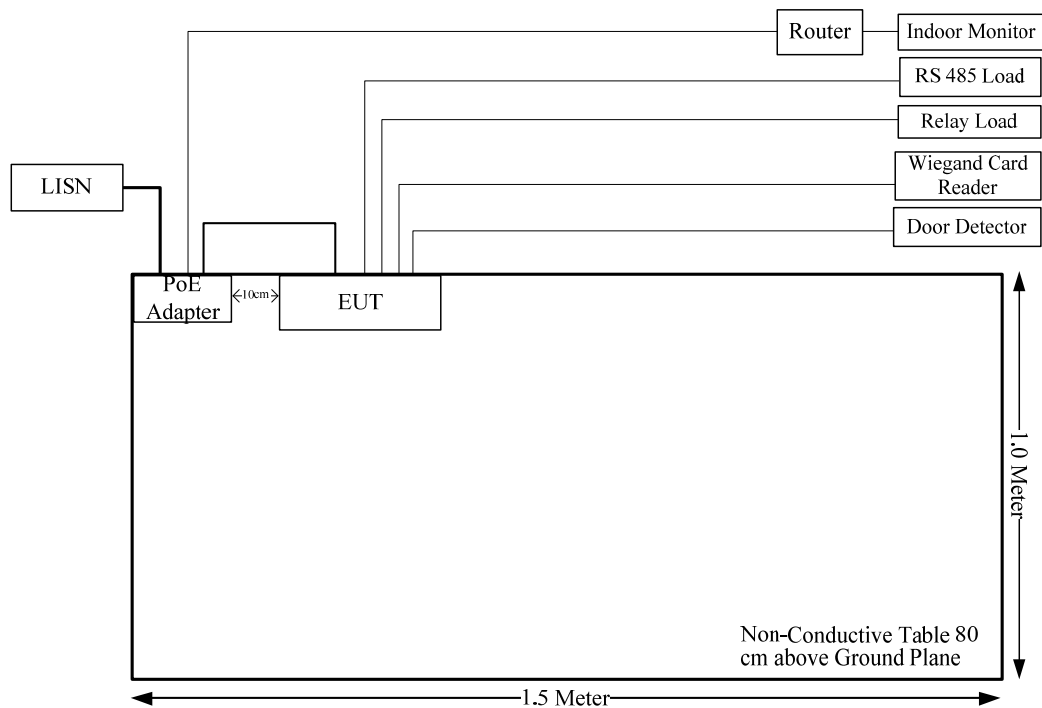
1.2.4 Block Diagram of Test Setup

AC line conducted emissions:

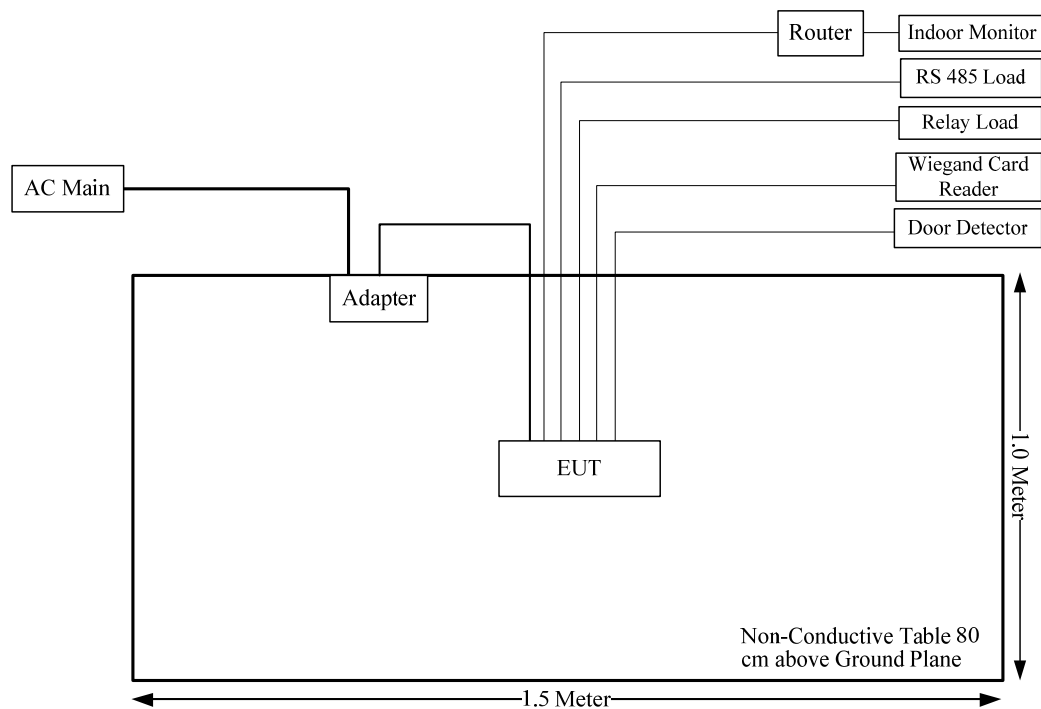
Powered by Adapter:



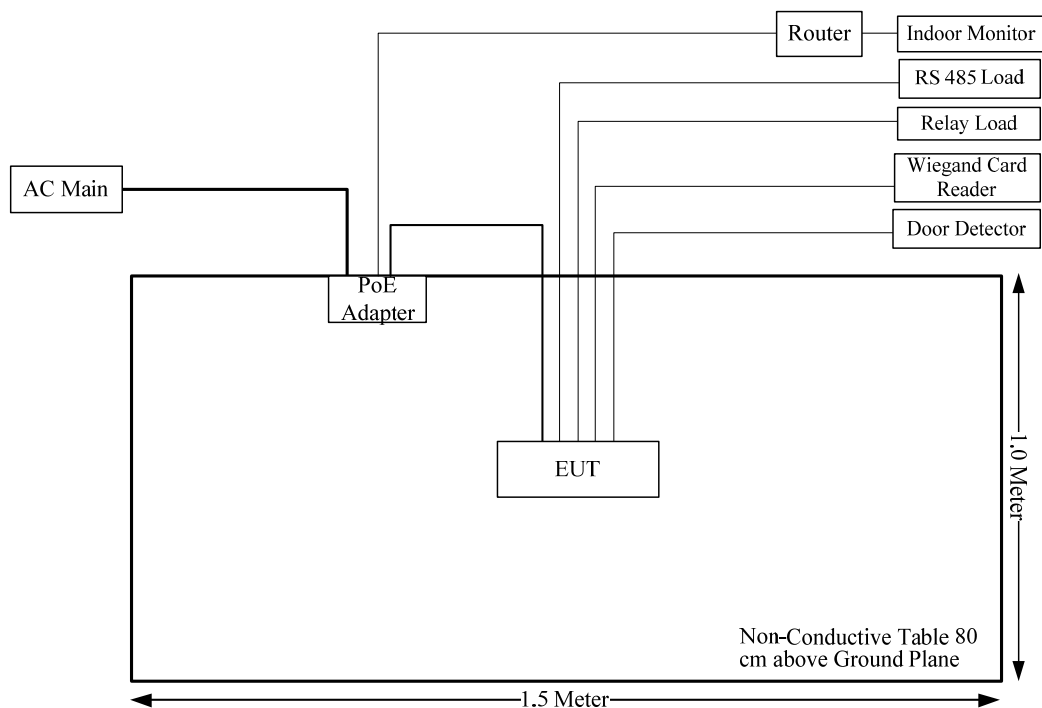
Powered by POE:



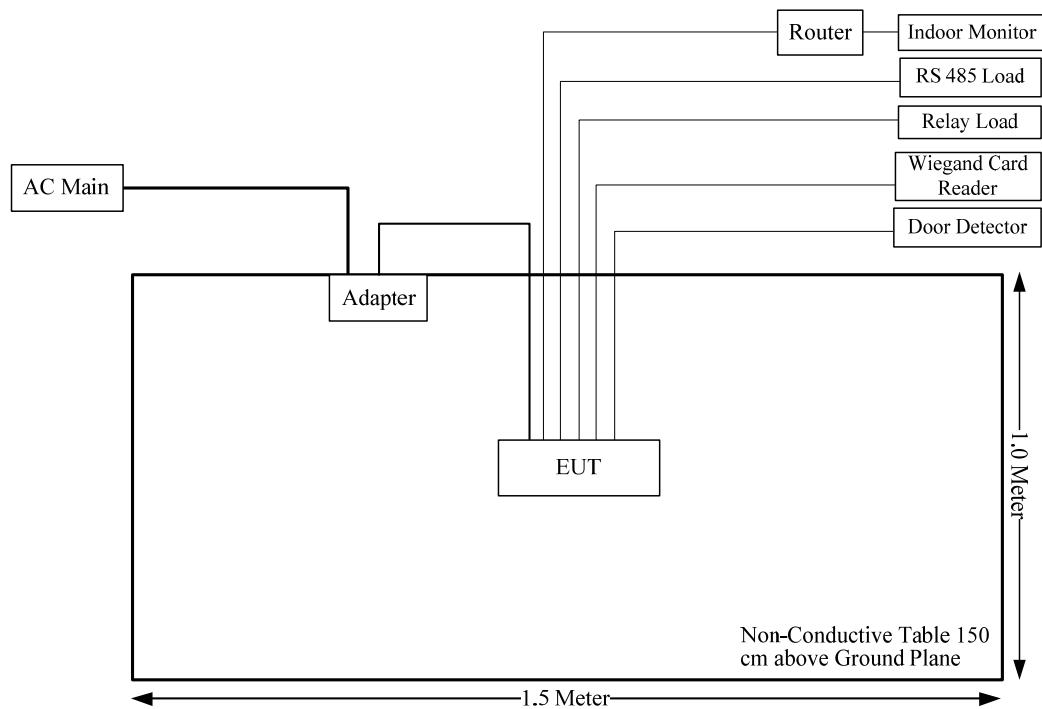
Radiated Spurious Emissions:
Below 1GHz:
Powered by Adapter:



Powered by POE:



Above 1GHz:



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)	Radiated Spurious Emissions	Compliant
§15.247 (a)(2)	Minimum 6 dB Bandwidth	Compliant
§15.247(b)(3)	Maximum Conducted Output Power	Compliant
§15.247(d)	100 kHz Bandwidth Of Frequency Band Edge	Compliant
§15.247(e)	Power Spectral Density	Compliant
§15.203	Antenna Requirement	Compliant

3. REQUIREMENTS AND TEST PROCEDURES

3.1 AC Line Conducted Emissions

3.1.1 Applicable Standard

FCC§15.207(a).

(a) Except as shown in paragraphs (b) and (c) of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 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:

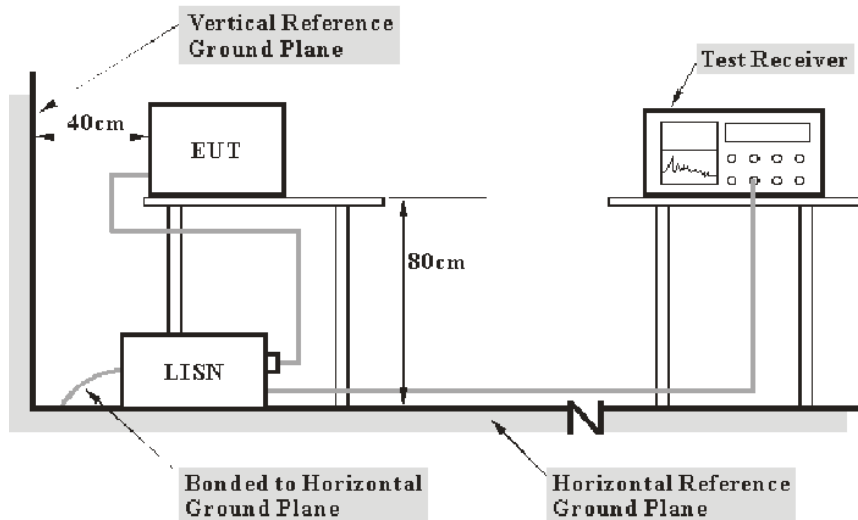
(1) For carrier current system containing their fundamental emission within the frequency band 535-1705 kHz and intended to be received using a standard AM broadcast receiver: no limit on conducted emissions.

(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.

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

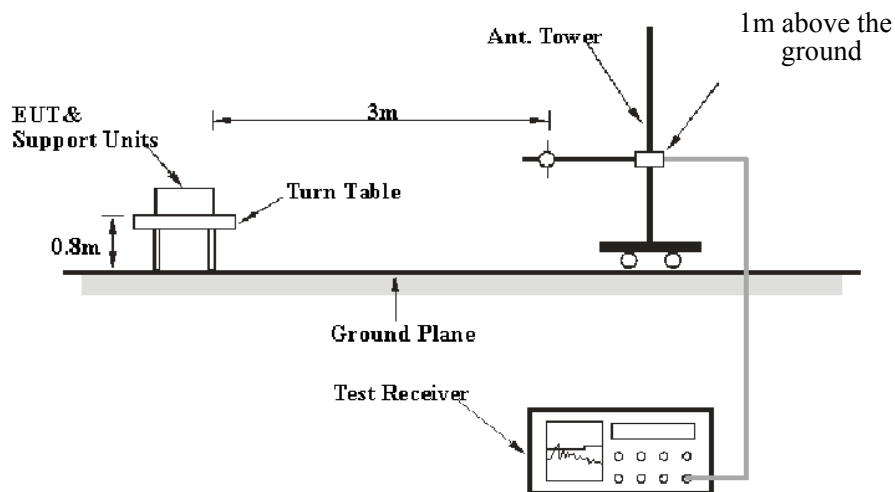
3.2.1 Applicable Standard

FCC §15.247 (d);

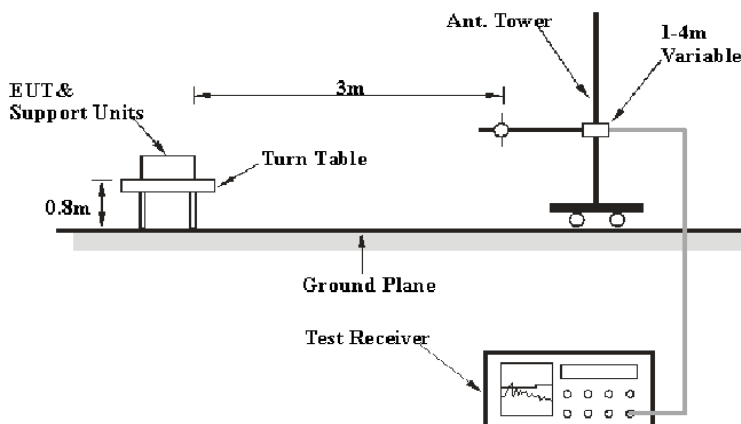
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the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

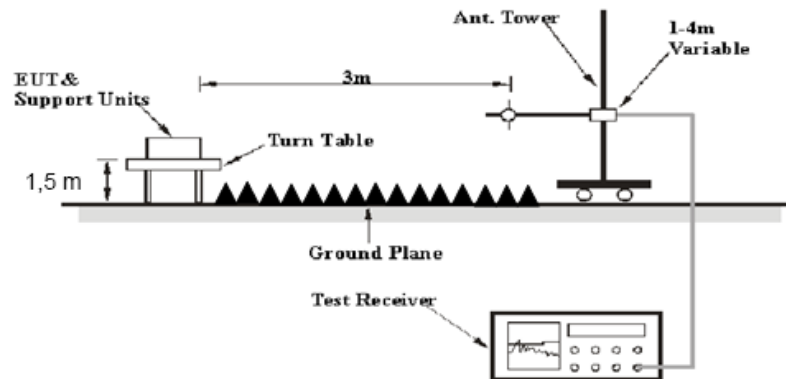
3.2.2 EUT Setup

9kHz~30MHz:



30MHz~1GHz:



Above 1GHz:

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

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

The spacing between the peripherals was 10 cm.

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 9 kHz 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	200 Hz	QP/AV
150 kHz – 30 MHz	10 kHz	30 kHz	9 kHz	QP/AV
30 MHz – 1000 MHz	/	/	120 kHz	QP
	100 kHz	300 kHz	/	PK

1GHz- 25GHz:

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

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

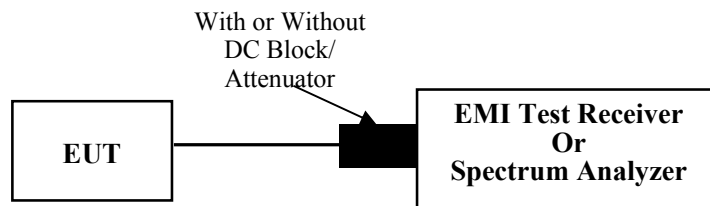
3.3 Minimum 6 dB Emission Bandwidth

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



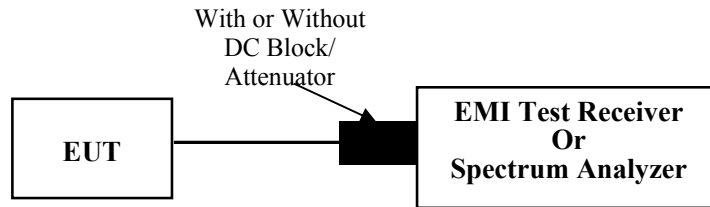
3.3.3 Test Procedure

According to ANSI C63.10-2013 Section 11.8

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

- 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.
- 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.
- 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.
- Step a) through step c) might require iteration to adjust within the specified range.
- 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.
- Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.
- 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.
- The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

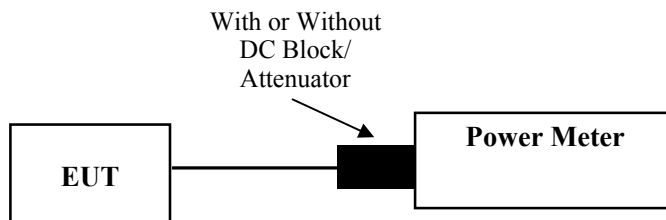
3.5 Maximum Conducted Output Power

3.5.1 Applicable Standard

FCC §15.247 (b)(3)

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

3.5.2 EUT Setup



3.5.3 Test Procedure

According to ANSI C63.10-2013 Section 11.9.1.3

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

- 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.

According to ANSI C63.10-2013 Section 11.9.2.3.2

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

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

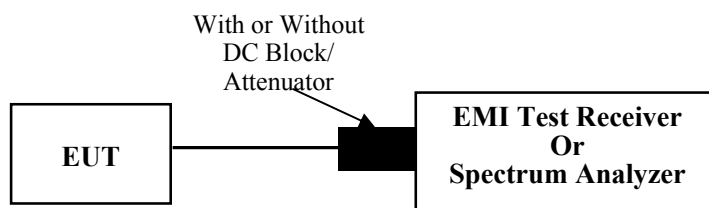
3.6 Maximum Power Spectral Density

3.6.1 Applicable Standard

FCC §15.247 (e)

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

3.6.2 EUT Setup



3.6.3 Test Procedure

According to ANSI C63.10-2013 Section 11.10.2

- Set analyzer center frequency to DTS channel center frequency.
- Set the span to 1.5 times the DTS bandwidth.
- Set the RBW to $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.
- Set the VBW $\geq [3 \times \text{RBW}]$.
- Detector = peak.
- Sweep time = auto couple.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- Use the peak marker function to determine the maximum amplitude level within the RBW.
- If measured value exceeds requirement, then reduce RBW (but no less than 3 kHz) and repeat.

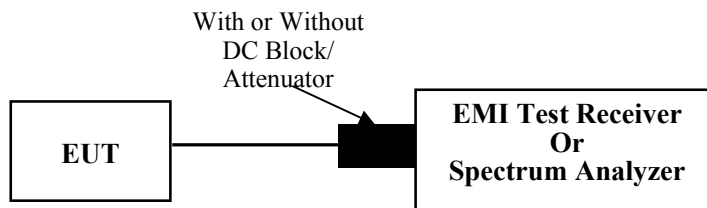
3.7 100 kHz Bandwidth of Frequency Band Edge

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

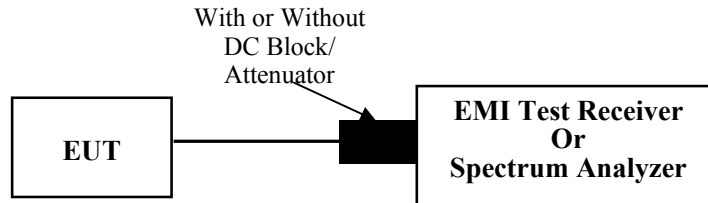
- Set the center frequency and span to encompass frequency range to be measured.
- Set the RBW = 100 kHz.
- Set the VBW $\geq [3 \times \text{RBW}]$.
- Detector = peak.
- Sweep time = auto couple.
- Trace mode = max hold.
- Allow trace to fully stabilize.

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:	2B74-1	Test Date:	2023/12/8
Test Site:	CE	Test Mode:	Transmitting (maximum output power mode(802.11n ht40 Middle channel) was tested)
Tester:	David Huang	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.4	Relative Humidity: (%)	42	ATM Pressure: (kPa)	101.1
----------------------	------	------------------------------	----	------------------------	-------

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).*

Powered by Adapter:

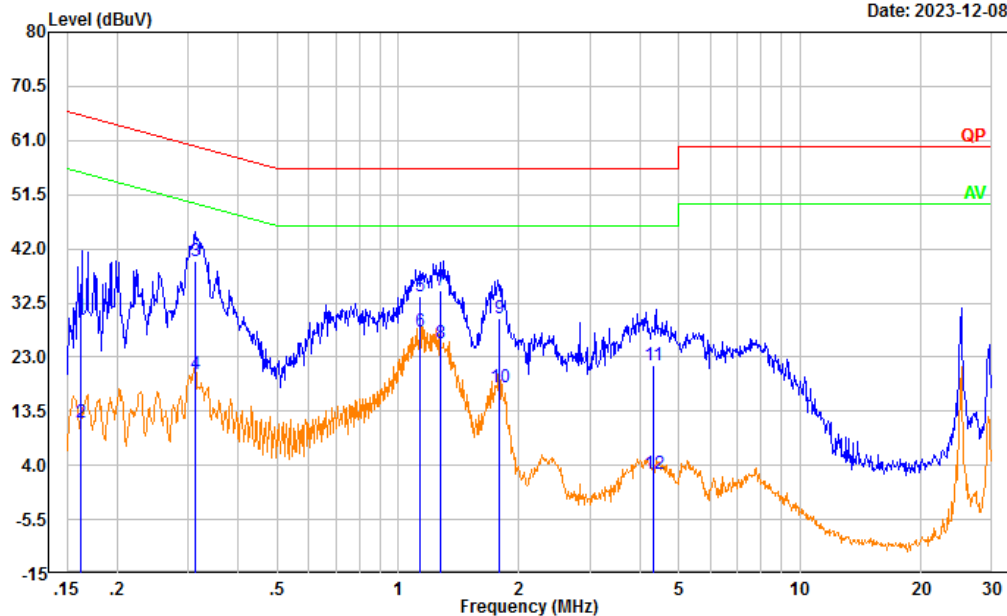
Project No.: CR231164424-RF

Tester: David Huang

Port: Line

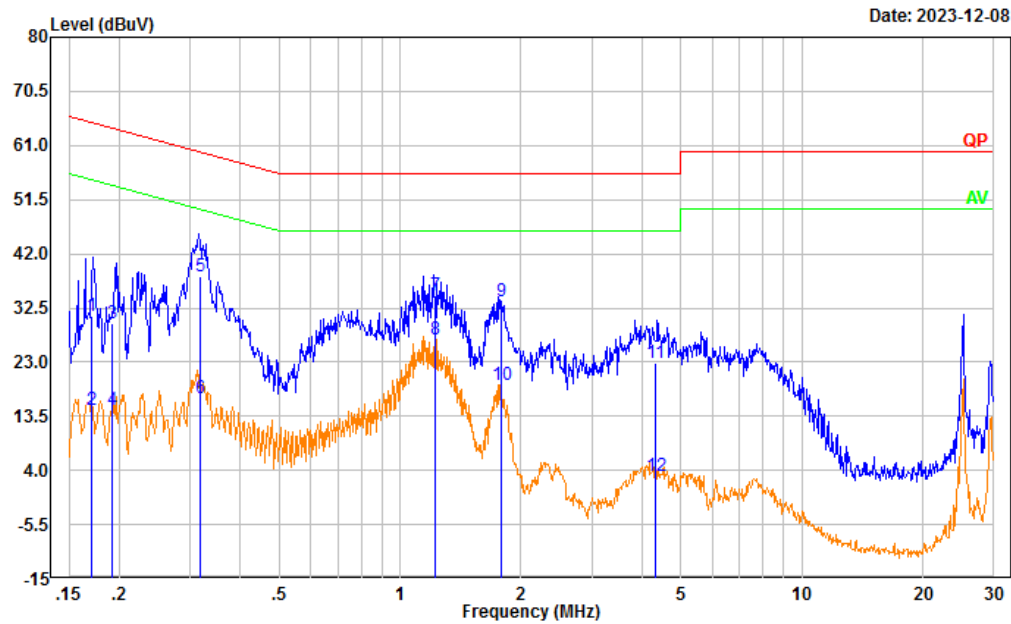
Note: Transmitting(2.4G WIFI Powered by Adapter)

Date: 2023-12-08



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.163	20.54	9.61	30.15	65.32	35.17	QP
2	0.163	1.90	9.61	11.51	55.32	43.81	Average
3	0.314	30.31	9.61	39.92	59.87	19.95	QP
4	0.314	10.36	9.61	19.97	49.87	29.90	Average
5	1.130	24.02	9.62	33.64	56.00	22.36	QP
6	1.130	17.86	9.62	27.48	46.00	18.52	Average
7	1.275	25.06	9.62	34.68	56.00	21.32	QP
8	1.275	15.76	9.62	25.38	46.00	20.62	Average
9	1.788	20.07	9.63	29.70	56.00	26.30	QP
10	1.788	8.04	9.63	17.67	46.00	28.33	Average
11	4.320	11.82	9.65	21.47	56.00	34.53	QP
12	4.320	-7.01	9.65	2.64	46.00	43.36	Average

Project No.: CR231164424-RF
 Tester: David Huang
 Port: neutral
 Note: Transmitting(2.4G WIFI Powered by Adapter)



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.170	21.54	9.61	31.15	64.95	33.80	QP
2	0.170	5.12	9.61	14.73	54.95	40.22	Average
3	0.193	20.29	9.61	29.90	63.92	34.02	QP
4	0.193	5.09	9.61	14.70	53.92	39.22	Average
5	0.319	28.31	9.61	37.92	59.74	21.82	QP
6	0.319	6.93	9.61	16.54	49.74	33.20	Average
7	1.227	25.12	9.62	34.74	56.00	21.26	QP
8	1.227	17.26	9.62	26.88	46.00	19.12	Average
9	1.781	23.94	9.63	33.57	56.00	22.43	QP
10	1.781	9.33	9.63	18.96	46.00	27.04	Average
11	4.317	13.15	9.65	22.80	56.00	33.20	QP
12	4.317	-6.56	9.65	3.09	46.00	42.91	Average

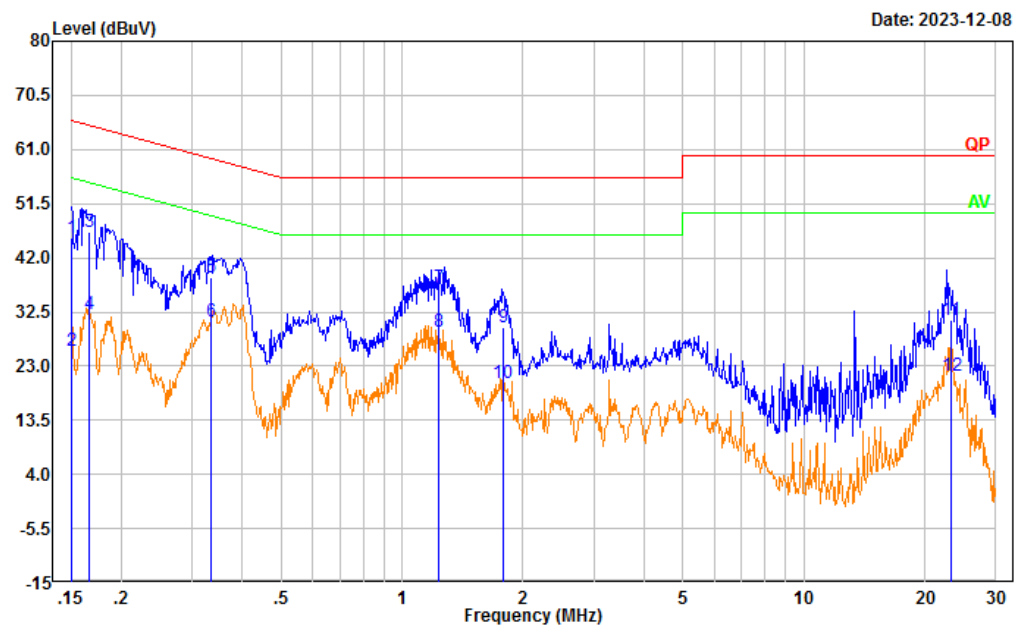
Powered by POE:

Project No.: CR231164424-RF

Tester: David Huang

Port: Line

Note: Transmitting(2.4G WIFI Powered by POE)



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.151	35.78	9.61	45.39	65.96	20.57	QP
2	0.151	16.12	9.61	25.73	55.96	30.23	Average
3	0.167	36.88	9.61	46.49	65.12	18.63	QP
4	0.167	22.43	9.61	32.04	55.12	23.08	Average
5	0.335	29.00	9.61	38.61	59.33	20.72	QP
6	0.335	21.20	9.61	30.81	49.33	18.52	Average
7	1.237	27.00	9.62	36.62	56.00	19.38	QP
8	1.237	19.37	9.62	28.99	46.00	17.01	Average
9	1.779	20.17	9.63	29.80	56.00	26.20	QP
10	1.779	10.33	9.63	19.96	46.00	26.04	Average
11	23.201	21.24	9.81	31.05	60.00	28.95	QP
12	23.201	11.55	9.81	21.36	50.00	28.64	Average

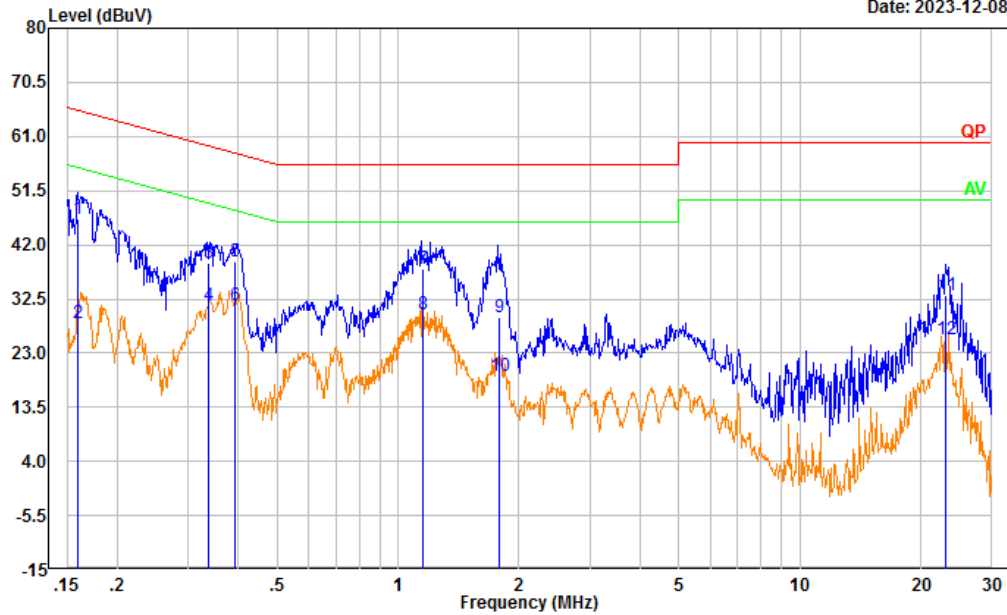
Project No.: CR231164424-RF

Tester: David Huang

Port: neutral

Note: Transmitting(2.4G WIFI Powered by POE)

Date: 2023-12-08



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.159	36.81	9.61	46.42	65.50	19.08	QP
2	0.159	18.70	9.61	28.31	55.50	27.19	Average
3	0.337	29.26	9.61	38.87	59.28	20.41	QP
4	0.337	21.83	9.61	31.44	49.28	17.84	Average
5	0.394	29.43	9.61	39.04	57.99	18.95	QP
6	0.394	21.62	9.61	31.23	47.99	16.76	Average
7	1.155	28.15	9.62	37.77	56.00	18.23	QP
8	1.155	20.09	9.62	29.71	46.00	16.29	Average
9	1.781	19.71	9.63	29.34	56.00	26.66	QP
10	1.781	9.46	9.63	19.09	46.00	26.91	Average
11	23.081	23.44	9.74	33.18	60.00	26.82	QP
12	23.081	15.68	9.74	25.42	50.00	24.58	Average

4.2 Radiation Spurious Emissions

Serial Number:	2B74-1	Test Date:	2023/12/11~2023/12/16
Test Site:	966-1/966-2	Test Mode:	Transmitting
Tester:	Carl Xue, Tao Zhu	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.5~26.1	Relative Humidity: (%)	43~58	ATM Pressure: (kPa)	100.9~101
----------------------	-----------	---------------------------	-------	---------------------------	-----------

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	I313-1P	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:

Please refer to the below table and plots.

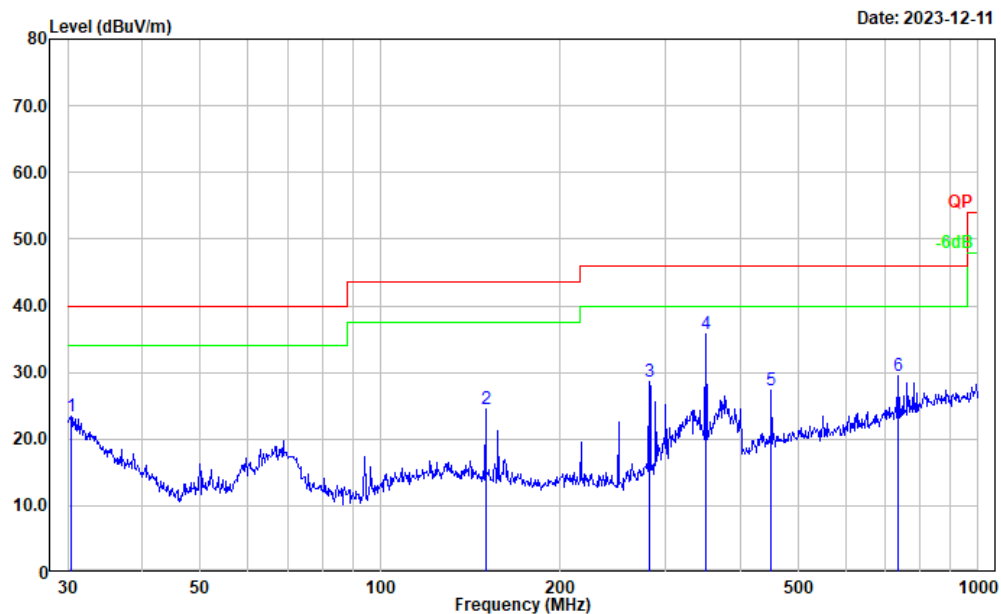
1) 9kHz~30MHz

The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report.

2) 30MHz-1GHz (maximum output power mode (802.11n ht40) was tested)

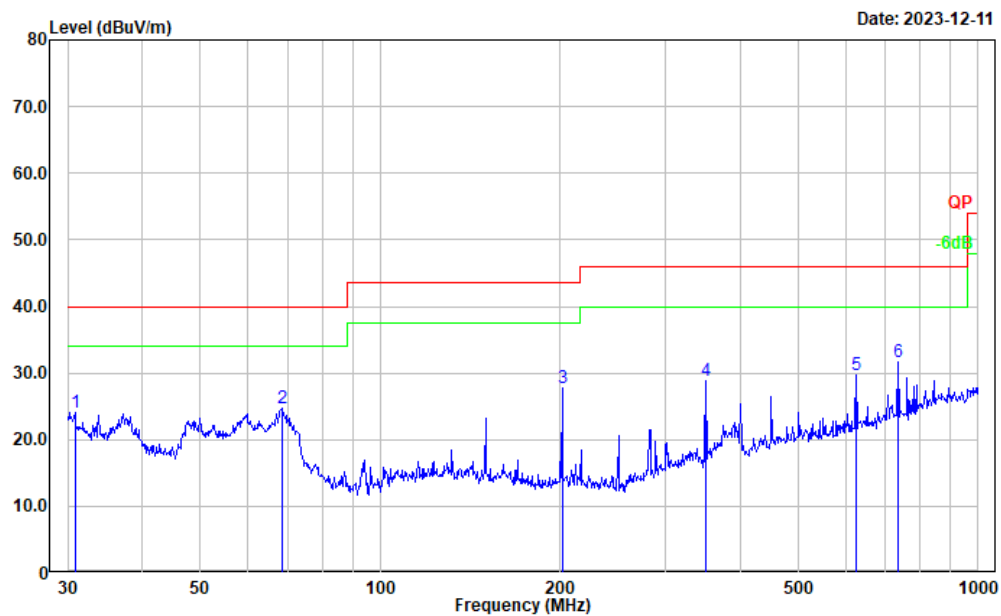
Powered by Adapter: Low Channel:

Project No.: CR231164424-RF
Tester: Carl Xue
Polarization: horizontal
Note: Transmitting(2.4G WIFI)



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.424	27.82	-4.45	23.37	40.00	16.63	Peak
2	150.011	36.64	-12.23	24.41	43.50	19.09	Peak
3	281.995	40.59	-11.90	28.69	46.00	17.31	Peak
4	350.477	46.18	-10.34	35.84	46.00	10.16	Peak
5	451.135	34.65	-7.23	27.42	46.00	18.58	Peak
6	734.491	32.86	-3.47	29.39	46.00	16.61	Peak

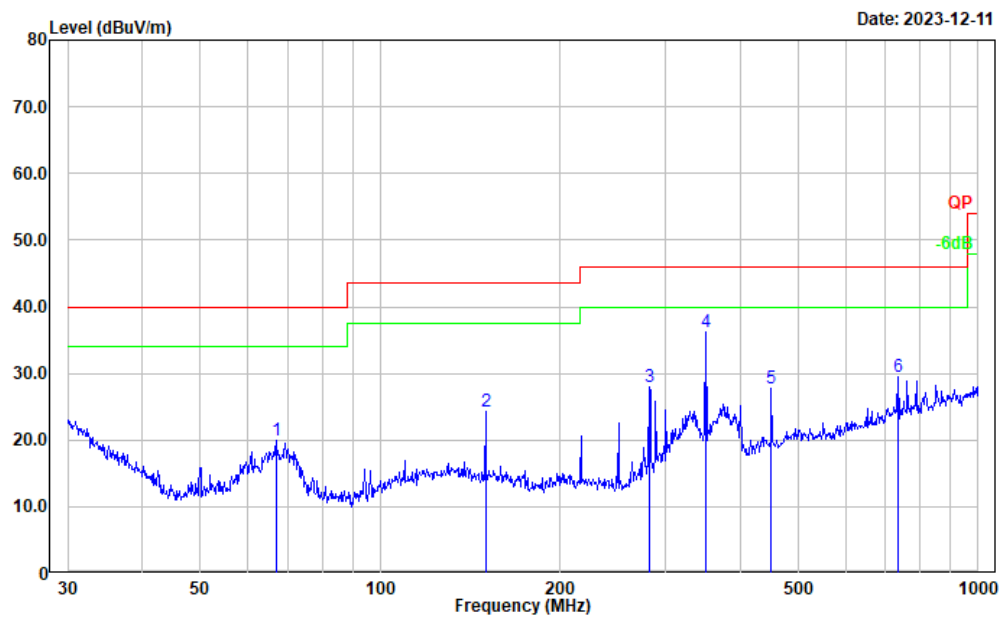
Project No.: CR231164424-RF
Tester: Carl Xue
Polarization: vertical
Note: Transmitting(2.4G WIFI)



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.853	28.91	-4.78	24.13	40.00	15.87	Peak
2	68.391	41.76	-17.07	24.69	40.00	15.31	Peak
3	201.393	40.34	-12.66	27.68	43.50	15.82	Peak
4	350.477	39.23	-10.34	28.89	46.00	17.11	Peak
5	625.078	34.69	-4.89	29.80	46.00	16.20	Peak
6	734.491	35.16	-3.47	31.69	46.00	14.31	Peak

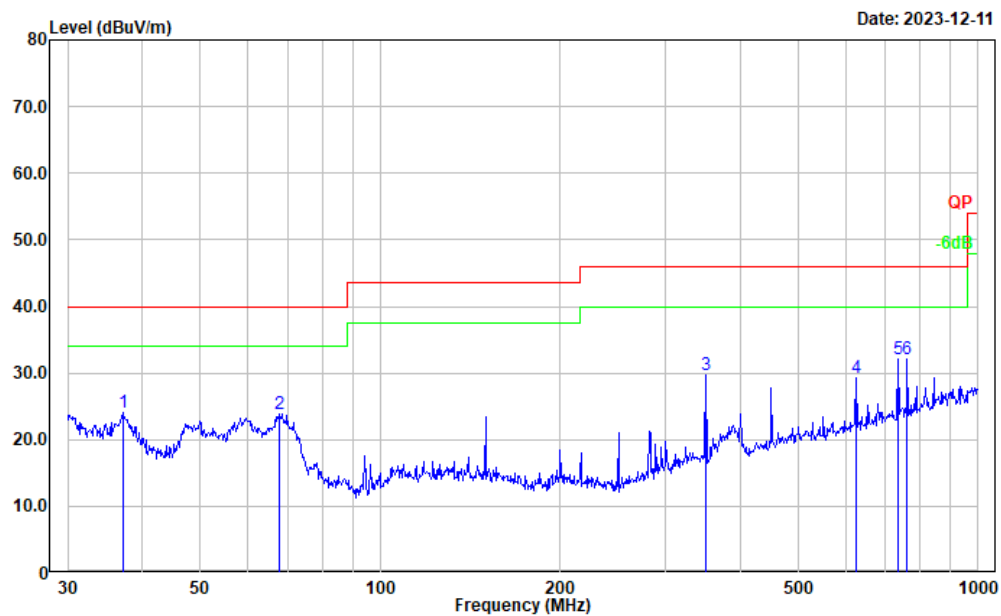
Middle Channel:

Project No.: CR231164424-RF
Tester: Carl Xue
Polarization: horizontal
Note: Transmitting(2.4G WIFI)



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	66.967	36.99	-17.14	19.85	40.00	20.15	Peak
2	150.011	36.57	-12.23	24.34	43.50	19.16	Peak
3	281.995	39.81	-11.90	27.91	46.00	18.09	Peak
4	350.477	46.44	-10.34	36.10	46.00	9.90	Peak
5	451.135	35.00	-7.23	27.77	46.00	18.23	Peak
6	734.491	32.98	-3.47	29.51	46.00	16.49	Peak

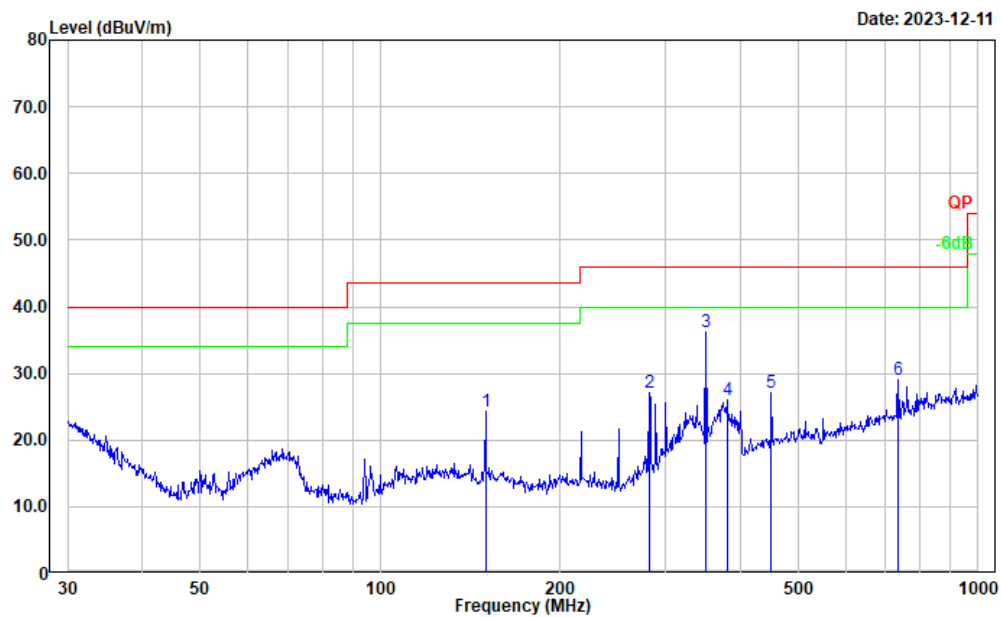
Project No.: CR231164424-RF
Tester: Carl Xue
Polarization: vertical
Note: Transmitting(2.4G WIFI)



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	37.155	33.61	-9.56	24.05	40.00	15.95	Peak
2	67.913	41.02	-17.11	23.91	40.00	16.09	Peak
3	350.477	39.96	-10.34	29.62	46.00	16.38	Peak
4	625.078	34.23	-4.89	29.34	46.00	16.66	Peak
5	734.491	35.53	-3.47	32.06	46.00	13.94	Peak
6	760.704	35.24	-3.15	32.09	46.00	13.91	Peak

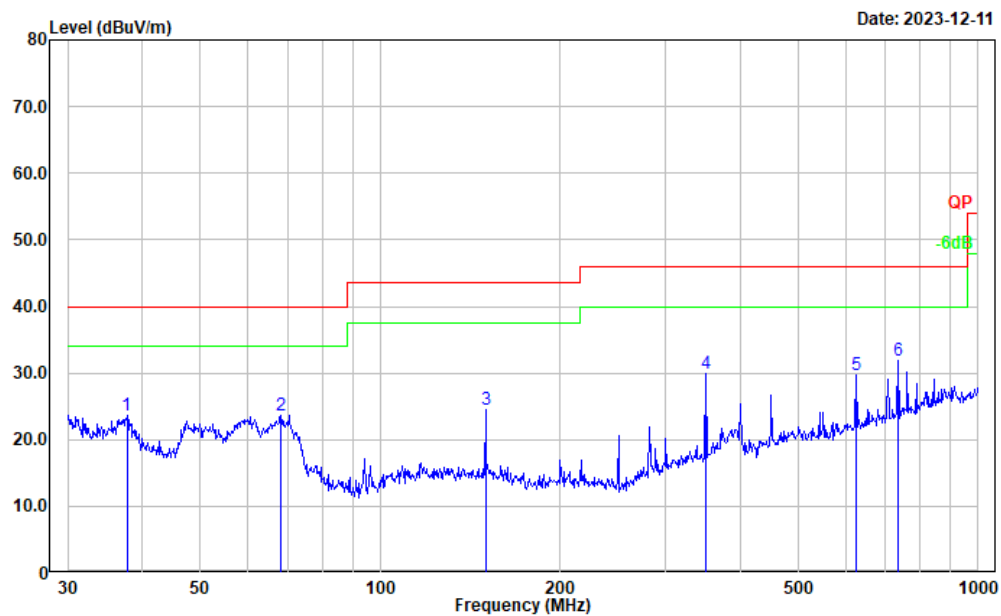
High Channel:

Project No.: CR231164424-RF
Tester: Carl Xue
Polarization: horizontal
Note: Transmitting(2.4G WIFI)



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	150.011	36.57	-12.23	24.34	43.50	19.16	Peak
2	281.995	39.03	-11.90	27.13	46.00	18.87	Peak
3	350.477	46.62	-10.34	36.28	46.00	9.72	Peak
4	379.914	35.63	-9.58	26.05	46.00	19.95	Peak
5	451.135	34.39	-7.23	27.16	46.00	18.84	Peak
6	734.491	32.47	-3.47	29.00	46.00	17.00	Peak

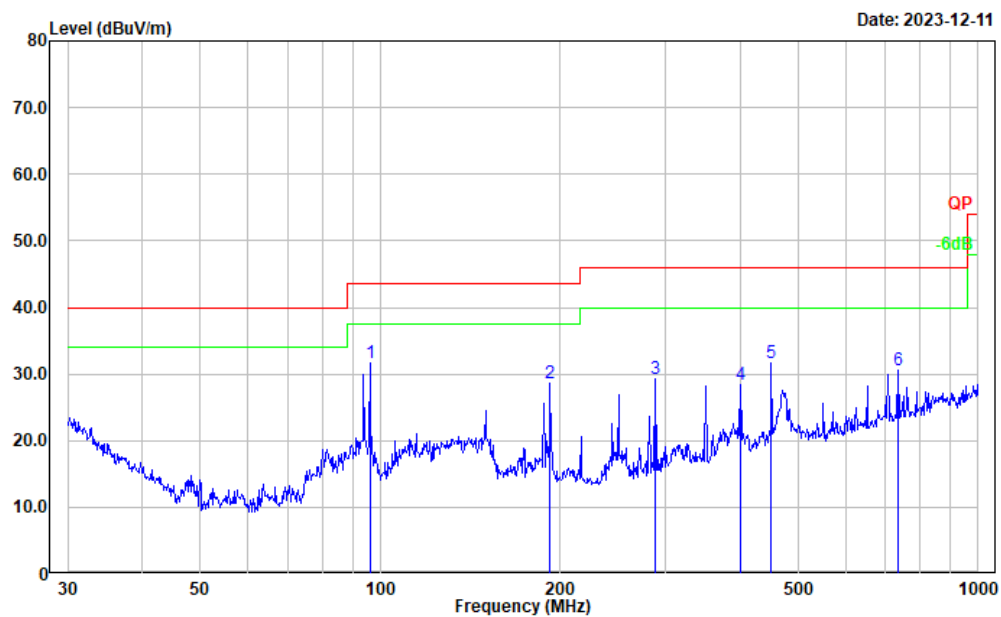
Project No.: CR231164424-RF
Tester: Carl Xue
Polarization: vertical
Note: Transmitting(2.4G WIFI)



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	37.680	33.51	-9.92	23.59	40.00	16.41	Peak
2	68.151	40.67	-17.09	23.58	40.00	16.42	Peak
3	150.011	36.71	-12.23	24.48	43.50	19.02	Peak
4	350.477	40.35	-10.34	30.01	46.00	15.99	Peak
5	625.078	34.51	-4.89	29.62	46.00	16.38	Peak
6	734.491	35.42	-3.47	31.95	46.00	14.05	Peak

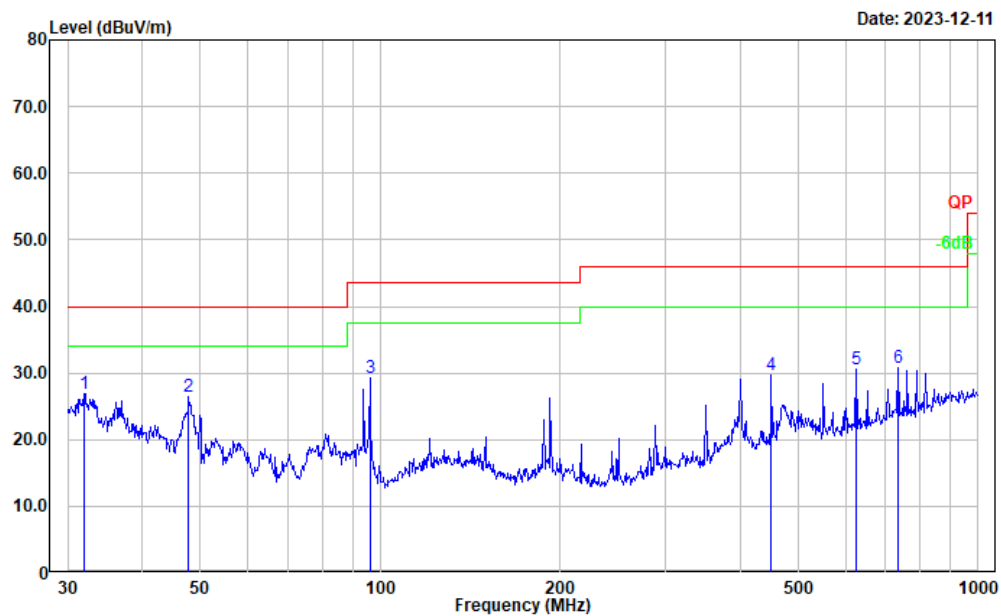
Powered by POE: Low Channel:

Project No.: CR231164424-RF
Tester: Carl Xue
Polarization: horizontal
Note: Transmitting(2.4G WIFI)



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	96.099	47.20	-15.61	31.59	43.50	11.91	Peak
2	192.419	42.11	-13.49	28.62	43.50	14.88	Peak
3	289.002	40.73	-11.55	29.18	46.00	16.82	Peak
4	400.432	37.53	-9.11	28.42	46.00	17.58	Peak
5	451.135	38.95	-7.23	31.72	46.00	14.28	Peak
6	734.491	34.00	-3.47	30.53	46.00	15.47	Peak

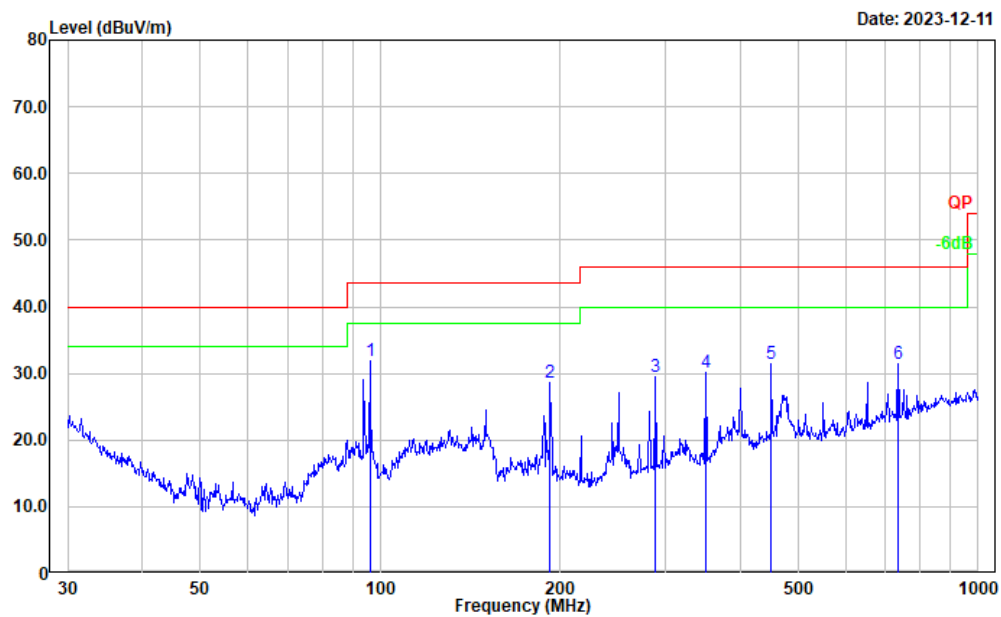
Project No.: CR231164424-RF
Tester: Carl Xue
Polarization: vertical
Note: Transmitting(2.4G WIFI)



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	31.955	32.56	-5.60	26.96	40.00	13.04	Peak
2	47.826	42.70	-16.19	26.51	40.00	13.49	Peak
3	96.099	44.98	-15.61	29.37	43.50	14.13	Peak
4	451.135	36.90	-7.23	29.67	46.00	16.33	Peak
5	625.078	35.38	-4.89	30.49	46.00	15.51	Peak
6	734.491	34.36	-3.47	30.89	46.00	15.11	Peak

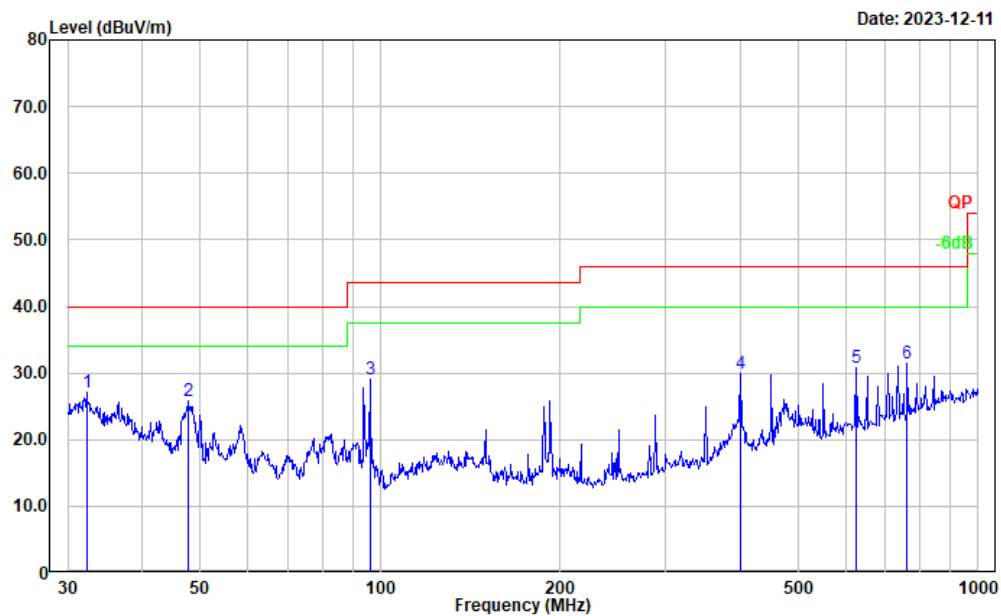
Middle Channel:

Project No.: CR231164424-RF
Tester: Carl Xue
Polarization: horizontal
Note: Transmitting(2.4G WIFI)



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	96.099	47.50	-15.61	31.89	43.50	11.61	Peak
2	192.419	42.02	-13.49	28.53	43.50	14.97	Peak
3	289.002	41.07	-11.55	29.52	46.00	16.48	Peak
4	350.477	40.47	-10.34	30.13	46.00	15.87	Peak
5	451.135	38.73	-7.23	31.50	46.00	14.50	Peak
6	734.491	34.91	-3.47	31.44	46.00	14.56	Peak

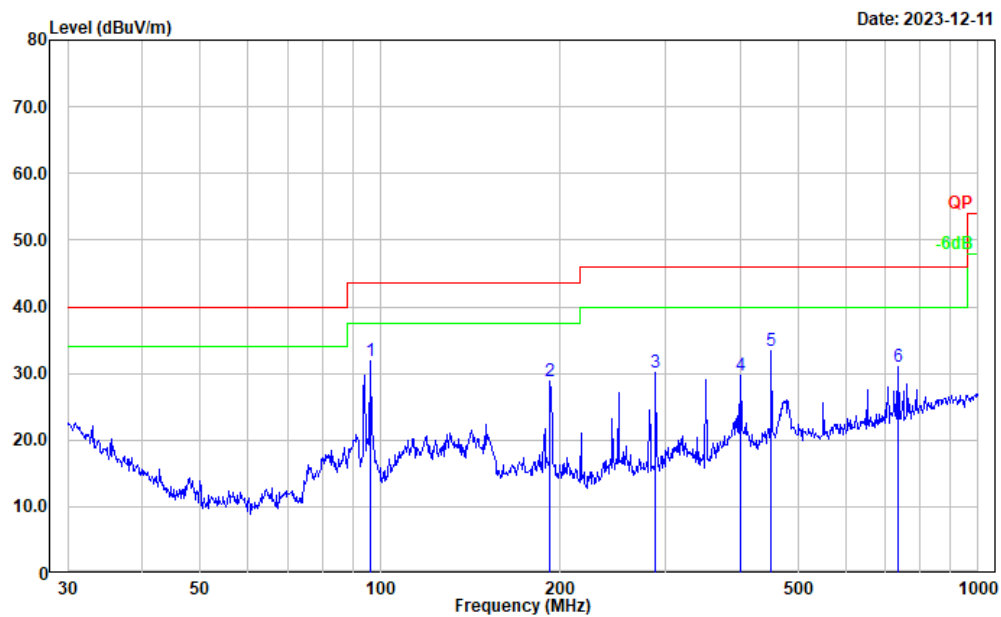
Project No.: CR231164424-RF
Tester: Carl Xue
Polarization: vertical
Note: Transmitting(2.4G WIFI)



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	32.293	33.01	-5.87	27.14	40.00	12.86	Peak
2	47.826	42.05	-16.19	25.86	40.00	14.14	Peak
3	96.099	44.68	-15.61	29.07	43.50	14.43	Peak
4	400.432	38.96	-9.11	29.85	46.00	16.15	Peak
5	625.078	35.64	-4.89	30.75	46.00	15.25	Peak
6	760.704	34.67	-3.15	31.52	46.00	14.48	Peak

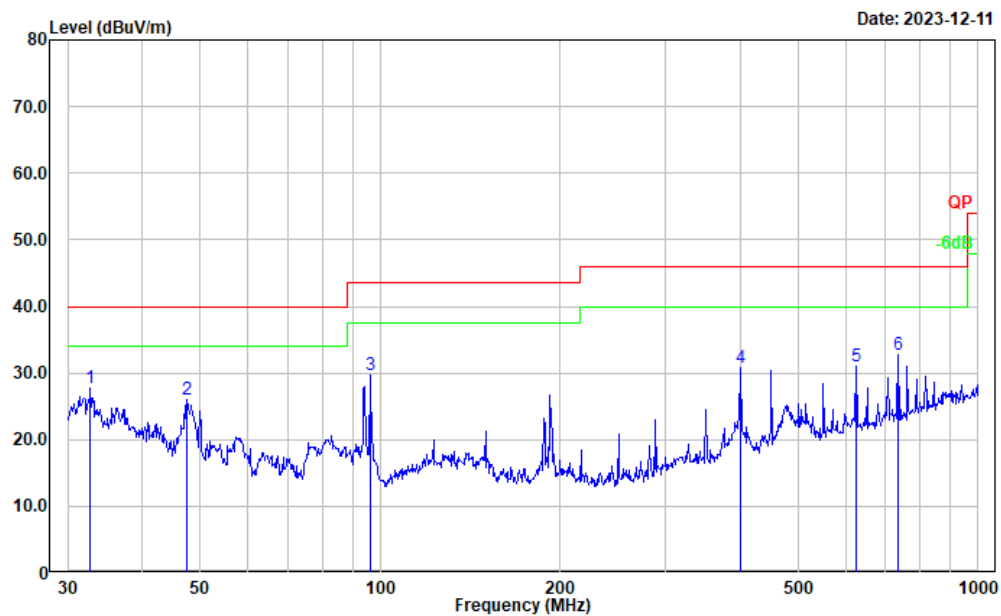
High Channel:

Project No.: CR231164424-RF
Tester: Carl Xue
Polarization: horizontal
Note: Transmitting(2.4G WIFI)



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	96.099	47.48	-15.61	31.87	43.50	11.63	Peak
2	192.419	42.30	-13.49	28.81	43.50	14.69	Peak
3	289.002	41.74	-11.55	30.19	46.00	15.81	Peak
4	400.432	38.84	-9.11	29.73	46.00	16.27	Peak
5	451.135	40.72	-7.23	33.49	46.00	12.51	Peak
6	734.491	34.37	-3.47	30.90	46.00	15.10	Peak

Project No.: CR231164424-RF
Tester: Carl Xue
Polarization: vertical
Note: Transmitting(2.4G WIFI)



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	32.749	34.03	-6.23	27.80	40.00	12.20	Peak
2	47.492	41.97	-15.99	25.98	40.00	14.02	Peak
3	96.099	45.39	-15.61	29.78	43.50	13.72	Peak
4	400.432	39.88	-9.11	30.77	46.00	15.23	Peak
5	625.078	35.83	-4.89	30.94	46.00	15.06	Peak
6	734.491	36.21	-3.47	32.74	46.00	13.26	Peak

3) 1-25GHz:

Powered by Adapter only was tested:

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							
2390.000	27.21	PK	H	31.71	58.92	74.00	15.08
2390.000	14.32	AV	H	31.71	46.03	54.00	7.97
2390.000	27.63	PK	V	31.71	59.34	74.00	14.66
2390.000	14.59	AV	V	31.71	46.30	54.00	7.70
4824.000	40.21	PK	H	11.26	51.47	74.00	22.53
4824.000	27.52	AV	H	11.26	38.78	54.00	15.22
4824.000	41.33	PK	V	11.26	52.59	74.00	21.41
4824.000	28.30	AV	V	11.26	39.56	54.00	14.44
7236.000	34.20	PK	H	15.24	49.44	74.00	24.56
7236.000	21.58	AV	H	15.24	36.82	54.00	17.18
7236.000	34.60	PK	V	15.24	49.84	74.00	24.16
7236.000	21.77	AV	V	15.24	37.01	54.00	16.99
Middle Channel: 2437 MHz							
4874.000	40.52	PK	H	11.45	51.97	74.00	22.03
4874.000	27.54	AV	H	11.45	38.99	54.00	15.01
4874.000	41.53	PK	V	11.45	52.98	74.00	21.02
4874.000	27.69	AV	V	11.45	39.14	54.00	14.86
7311.000	33.98	PK	H	15.58	49.56	74.00	24.44
7311.000	21.42	AV	H	15.58	37.00	54.00	17.00
7311.000	34.35	PK	V	15.58	49.93	74.00	24.07
7311.000	21.51	AV	V	15.58	37.09	54.00	16.91
High Channel: 2462MHz							
2483.500	26.32	PK	H	32.19	58.51	74.00	15.49
2483.500	13.55	AV	H	32.19	45.74	54.00	8.26
2483.500	26.58	PK	V	32.19	58.77	74.00	15.23
2483.500	13.62	AV	V	32.19	45.81	54.00	8.19
4924.000	39.36	PK	H	11.67	51.03	74.00	22.97
4924.000	26.55	AV	H	11.67	38.22	54.00	15.78
4924.000	40.20	PK	V	11.67	51.87	74.00	22.13
4924.000	27.58	AV	V	11.67	39.25	54.00	14.75
7386.000	34.20	PK	H	15.63	49.83	74.00	24.17
7386.000	21.47	AV	H	15.63	37.10	54.00	16.90
7386.000	34.33	PK	V	15.63	49.96	74.00	24.04
7386.000	21.52	AV	V	15.63	37.15	54.00	16.85

802.11g Mode:

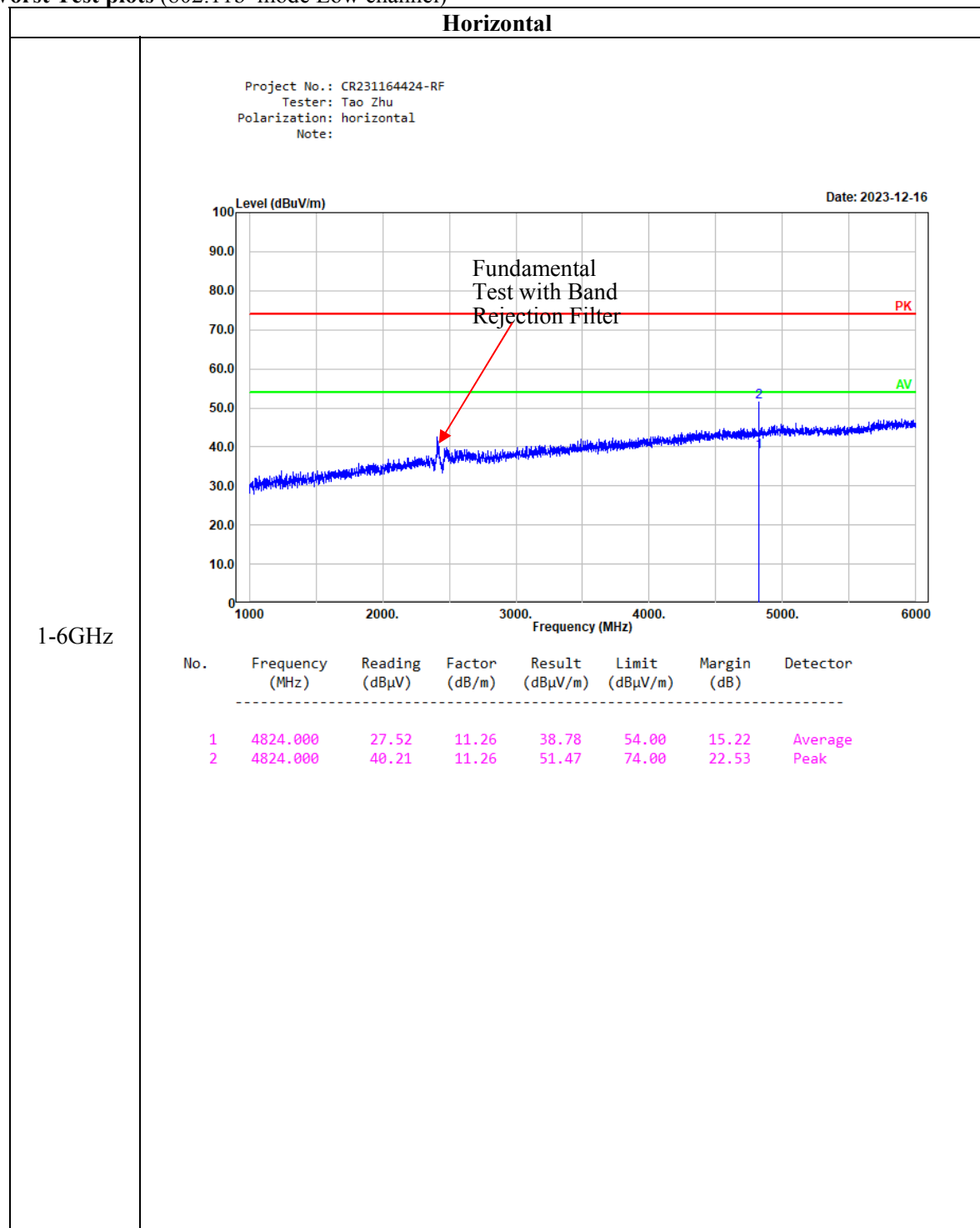
Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 2412 MHz							
2390.000	30.33	PK	H	31.71	62.04	74.00	11.96
2390.000	15.67	AV	H	31.71	47.38	54.00	6.62
2390.000	31.69	PK	V	31.71	63.40	74.00	10.60
2390.000	16.32	AV	V	31.71	48.03	54.00	5.97
4824.000	35.22	PK	H	11.26	46.48	74.00	27.52
4824.000	22.41	AV	H	11.26	33.67	54.00	20.33
4824.000	35.63	PK	V	11.26	46.89	74.00	27.11
4824.000	22.46	AV	V	11.26	33.72	54.00	20.28
7236.000	34.52	PK	H	15.24	49.76	74.00	24.24
7236.000	21.28	AV	H	15.24	36.52	54.00	17.48
7236.000	34.60	PK	V	15.24	49.84	74.00	24.16
7236.000	21.59	AV	V	15.24	36.83	54.00	17.17
Middle Channel: 2437 MHz							
4874.000	35.41	PK	H	11.45	46.86	74.00	27.14
4874.000	22.36	AV	H	11.45	33.81	54.00	20.19
4874.000	35.11	PK	V	11.45	46.56	74.00	27.44
4874.000	22.28	AV	V	11.45	33.73	54.00	20.27
7311.000	34.20	PK	H	15.58	49.78	74.00	24.22
7311.000	21.63	AV	H	15.58	37.21	54.00	16.79
7311.000	34.26	PK	V	15.58	49.84	74.00	24.16
7311.000	21.68	AV	V	15.58	37.26	54.00	16.74
High Channel: 2462MHz							
2483.500	29.69	PK	H	32.19	61.88	74.00	12.12
2483.500	14.77	AV	H	32.19	46.96	54.00	7.04
2483.500	30.68	PK	V	32.19	62.87	74.00	11.13
2483.500	15.63	AV	V	32.19	47.82	54.00	6.18
4924.000	35.36	PK	H	11.67	47.03	74.00	26.97
4924.000	22.69	AV	H	11.67	34.36	54.00	19.64
4924.000	35.48	PK	V	11.67	47.15	74.00	26.85
4924.000	22.80	AV	V	11.67	34.47	54.00	19.53
7386.000	34.20	PK	H	15.63	49.83	74.00	24.17
7386.000	21.38	AV	H	15.63	37.01	54.00	16.99
7386.000	34.33	PK	V	15.63	49.96	74.00	24.04
7386.000	21.28	AV	V	15.63	36.91	54.00	17.09

802.11n ht20 Mode:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 2412 MHz							
2390.000	31.68	PK	H	31.71	63.39	74.00	10.61
2390.000	15.47	AV	H	31.71	47.18	54.00	6.82
2390.000	32.65	PK	V	31.71	64.36	74.00	9.64
2390.000	16.88	AV	V	31.71	48.59	54.00	5.41
4824.000	36.35	PK	H	11.26	47.61	74.00	26.39
4824.000	23.50	AV	H	11.26	34.76	54.00	19.24
4824.000	37.20	PK	V	11.26	48.46	74.00	25.54
4824.000	24.77	AV	V	11.26	36.03	54.00	17.97
7236.000	34.53	PK	H	15.24	49.77	74.00	24.23
7236.000	21.42	AV	H	15.24	36.66	54.00	17.34
7236.000	34.68	PK	V	15.24	49.92	74.00	24.08
7236.000	21.59	AV	V	15.24	36.83	54.00	17.17
Middle Channel: 2437 MHz							
4874.000	36.55	PK	H	11.45	48.00	74.00	26.00
4874.000	23.38	AV	H	11.45	34.83	54.00	19.17
4874.000	37.20	PK	V	11.45	48.65	74.00	25.35
4874.000	24.19	AV	V	11.45	32.64	54.00	21.36
7311.000	34.22	PK	H	15.58	49.80	74.00	24.20
7311.000	21.34	AV	H	15.58	36.92	54.00	17.08
7311.000	34.35	PK	V	15.58	49.93	74.00	24.07
7311.000	21.41	AV	V	15.58	36.99	54.00	17.01
High Channel: 2462MHz							
2483.500	30.33	PK	H	32.19	62.52	74.00	11.48
2483.500	15.20	AV	H	32.19	47.39	54.00	6.61
2483.500	31.52	PK	V	32.19	63.71	74.00	10.29
2483.500	15.93	AV	V	32.19	48.12	54.00	5.88
4924.000	36.62	PK	H	11.67	48.29	74.00	25.71
4924.000	23.47	AV	H	11.67	35.14	54.00	18.86
4924.000	37.29	PK	V	11.67	48.96	74.00	25.04
4924.000	24.55	AV	V	11.67	36.22	54.00	17.78
7386.000	34.33	PK	H	15.63	49.96	74.00	24.04
7386.000	21.47	AV	H	15.63	37.10	54.00	16.90
7386.000	34.50	PK	V	15.63	50.13	74.00	23.87
7386.000	21.49	AV	V	15.63	37.12	54.00	16.88

802.11n ht40 Mode:

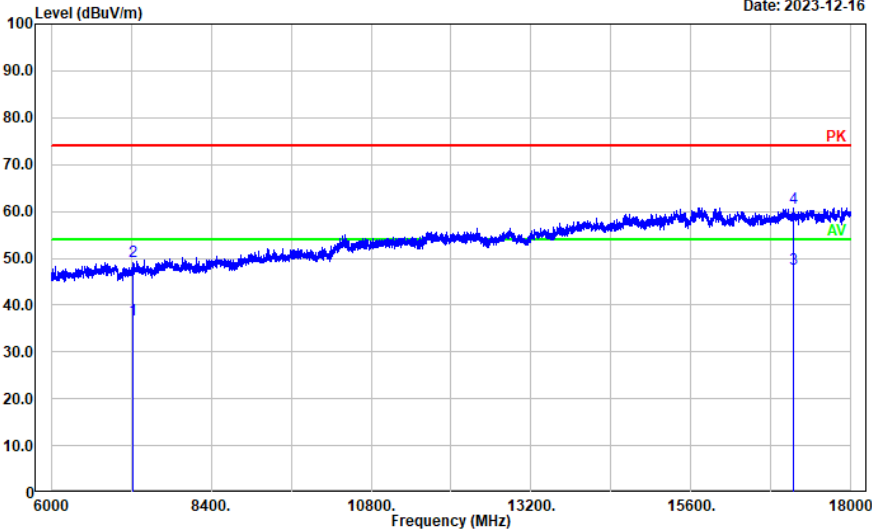
Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 2422 MHz							
2390.000	32.51	PK	H	31.71	64.22	74.00	9.78
2390.000	16.75	AV	H	31.71	48.46	54.00	5.54
2390.000	33.34	PK	V	31.71	65.05	74.00	8.95
2390.000	17.65	AV	V	31.71	49.36	54.00	4.64
4844.000	34.09	PK	H	11.31	45.40	74.00	28.60
4844.000	21.23	AV	H	11.31	32.54	54.00	21.46
4844.000	34.62	PK	V	11.31	45.93	74.00	28.07
4844.000	21.56	AV	V	11.31	32.87	54.00	21.13
7266.000	34.28	PK	H	15.43	49.71	74.00	24.29
7266.000	21.17	AV	H	15.43	36.60	54.00	17.40
7266.000	34.35	PK	V	15.43	49.78	74.00	24.22
7266.000	21.24	AV	V	15.43	36.67	54.00	17.33
Middle Channel: 2437 MHz							
4874.000	34.40	PK	H	11.45	45.85	74.00	28.15
4874.000	21.66	AV	H	11.45	33.11	54.00	20.89
4874.000	34.48	PK	V	11.45	45.93	74.00	28.07
4874.000	21.83	AV	V	11.45	33.28	54.00	20.72
7311.000	34.63	PK	H	15.58	50.21	74.00	23.79
7311.000	21.41	AV	H	15.58	36.99	54.00	17.01
7311.000	34.66	PK	V	15.58	50.24	74.00	23.76
7311.000	21.48	AV	V	15.58	37.06	54.00	16.94
High Channel: 2452MHz							
2483.500	31.77	PK	H	32.19	63.96	74.00	10.04
2483.500	15.45	AV	H	32.19	47.64	54.00	6.36
2483.500	32.47	PK	V	32.19	64.66	74.00	9.34
2483.500	16.69	AV	V	32.19	48.88	54.00	5.12
4904.000	34.59	PK	H	11.58	46.17	74.00	27.83
4904.000	21.66	AV	H	11.58	33.24	54.00	20.76
4904.000	35.02	PK	V	11.58	46.60	74.00	27.40
4904.000	21.69	AV	V	11.58	33.27	54.00	20.73
7356.000	34.52	PK	H	15.55	50.07	74.00	23.93
7356.000	21.35	AV	H	15.55	36.90	54.00	17.10
7356.000	34.68	PK	V	15.55	50.23	74.00	23.77
7356.000	21.47	AV	V	15.55	37.02	54.00	16.98

Worst Test plots (802.11b mode Low channel)

Horizontal

Project No.: CR231164424-RF
Tester: Tao Zhu
Polarization: horizontal
Note:

Date: 2023-12-16

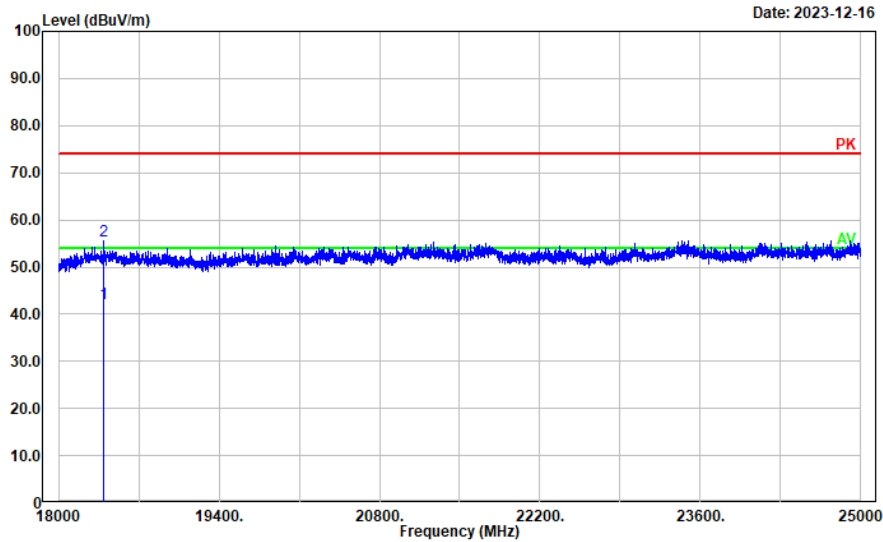


6-18GHz

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	7236.000	21.58	15.24	36.82	54.00	17.18	Average
2	7236.000	34.20	15.24	49.44	74.00	24.56	Peak
3	17131.030	19.08	28.55	47.63	54.00	6.37	Average
4	17131.030	32.15	28.55	60.70	74.00	13.30	Peak

Horizontal

Project No.: CR231164424-RF
Tester: Tao Zhu
Polarization: Horizontal
Note:



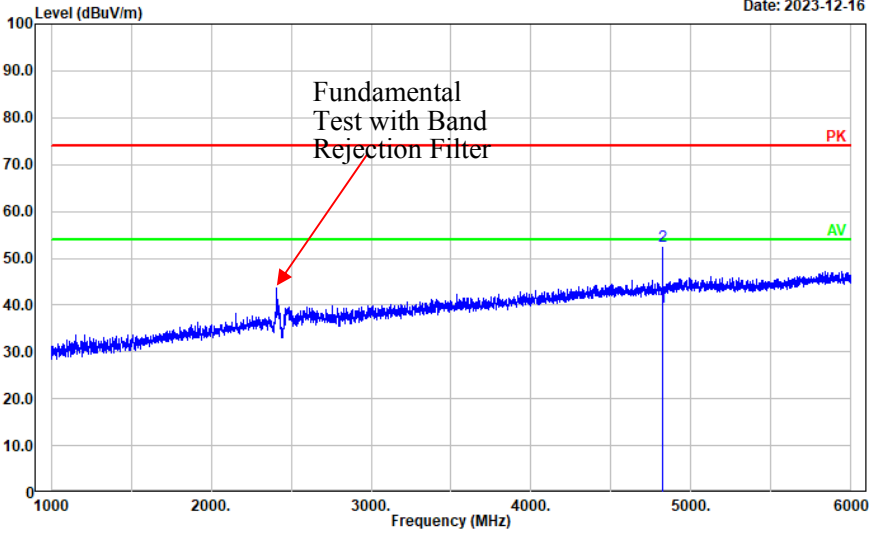
18-25GHz

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	18392.080	37.84	4.46	42.30	54.00	11.70	Average
2	18392.080	51.08	4.46	55.54	74.00	18.46	Peak

Vertical

Project No.: CR231164424-RF
Tester: Tao Zhu
Polarization: vertical
Note:

Date: 2023-12-16



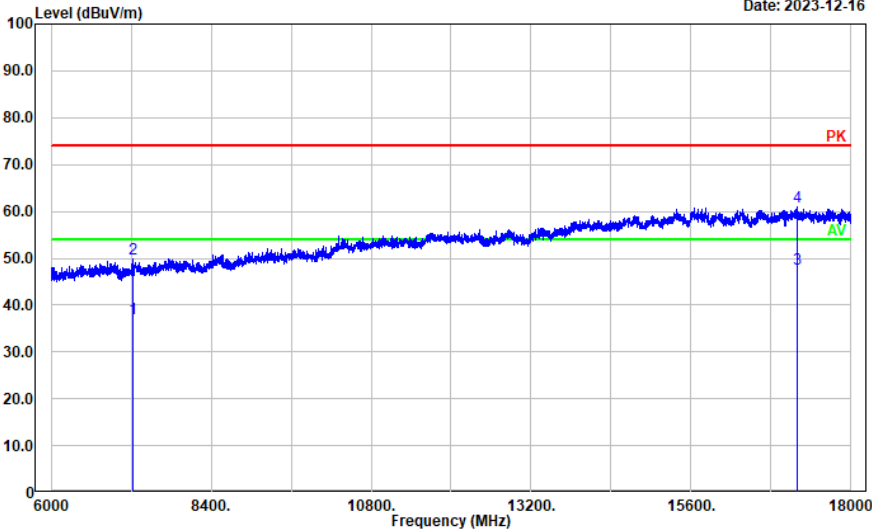
1-6GHz

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	4824.000	28.30	11.26	39.56	54.00	14.44	Average
2	4824.000	41.33	11.26	52.59	74.00	21.41	Peak

Vertical

Project No.: CR231164424-RF
Tester: Tao Zhu
Polarization: vertical
Note:

Date: 2023-12-16



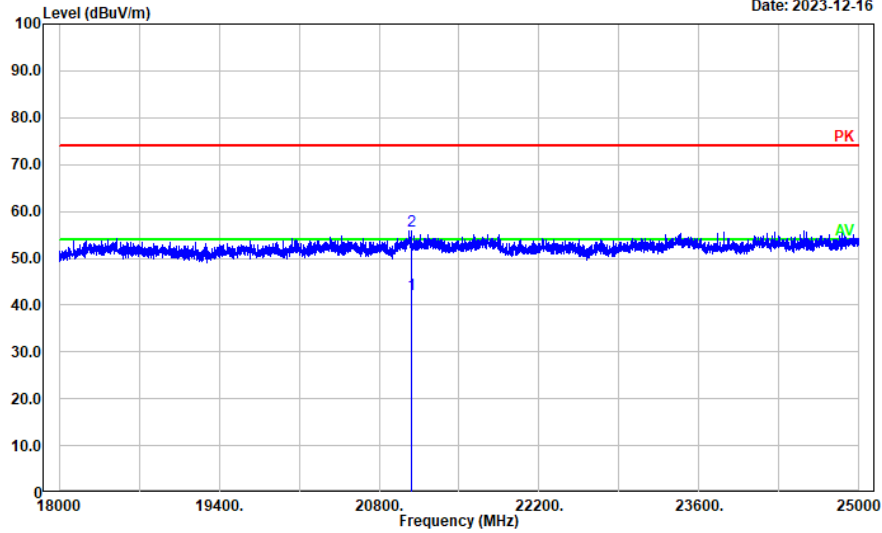
6-18GHz

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	7236.000	21.77	15.24	37.01	54.00	16.99	Average
2	7236.000	34.60	15.24	49.84	74.00	24.16	Peak
3	17186.240	19.07	28.59	47.66	54.00	6.34	Average
4	17186.240	32.30	28.59	60.89	74.00	13.11	Peak

Vertical

Project No.: CR231164424-RF
Tester: Tao Zhu
Polarization: vertical
Note:

Date: 2023-12-16



18-25GHz

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	21083.420	37.72	4.67	42.39	54.00	11.61	Average
2	21083.420	51.16	4.67	55.83	74.00	18.17	Peak

4.3 Minimum 6 dB Emission Bandwidth

Serial Number:	2B74-3	Test Date:	2023/12/20
Test Site:	RF	Test Mode:	Transmitting
Tester:	LingLing Li	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.7	Relative Humidity: (%)	59	ATM Pressure: (kPa)	101.8
----------------------	------	------------------------------	----	------------------------	-------

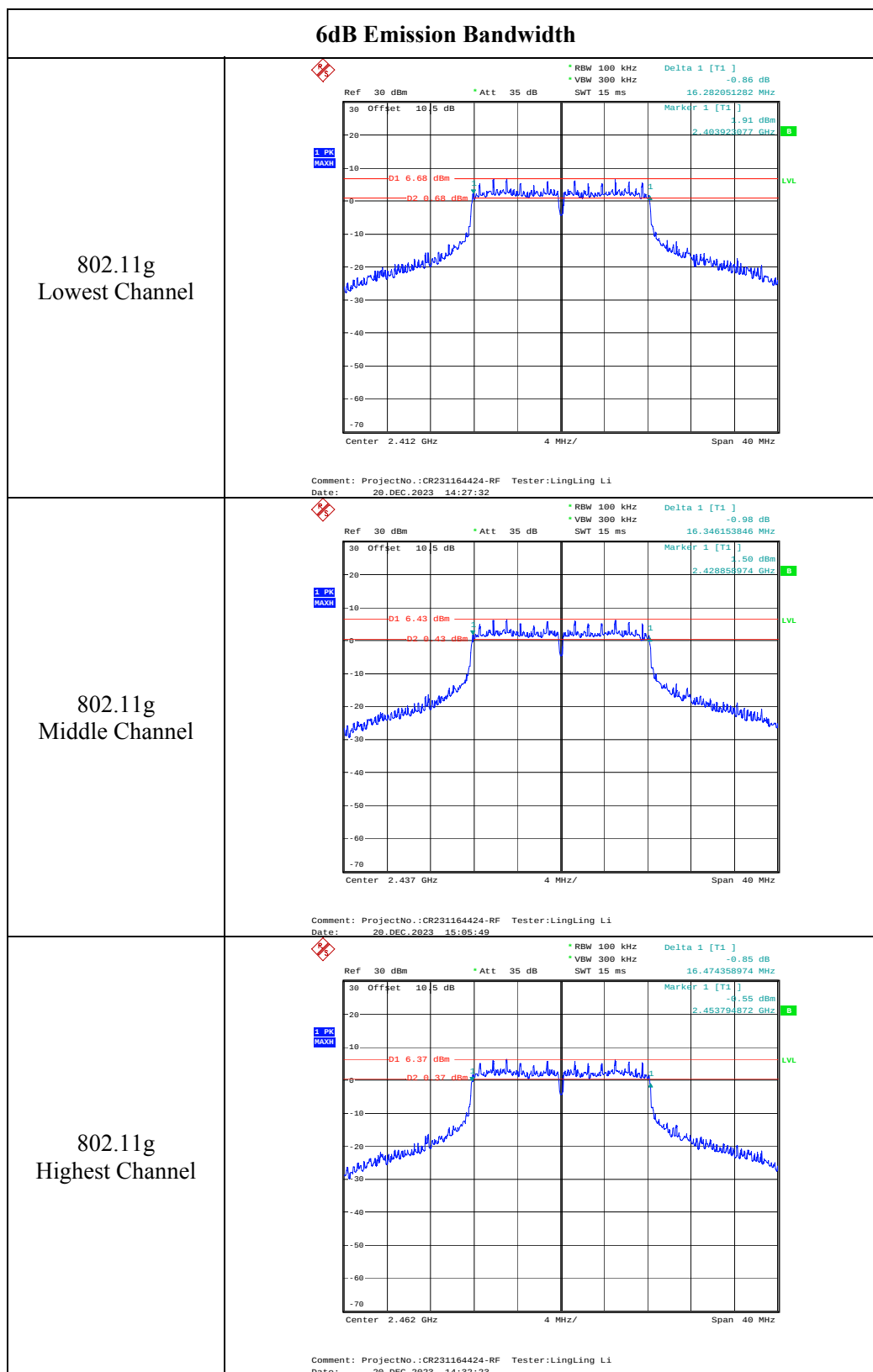
Test Equipment List and Details:

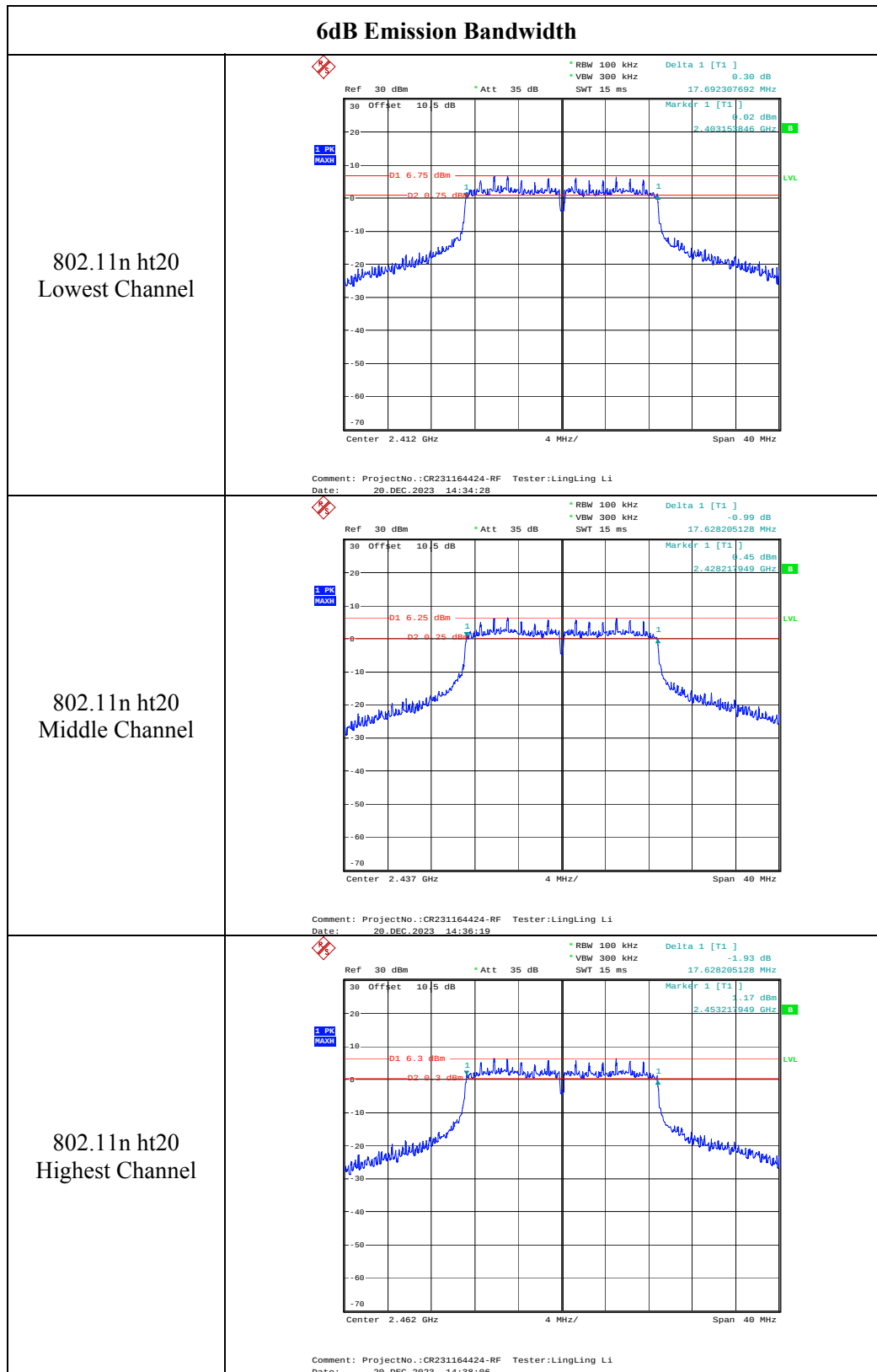
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	100147	2023/3/31	2024/3/30
zhuoxiang	Coaxial Cable	SMA-178	211003	Each time	N/A
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060302	Each time	N/A

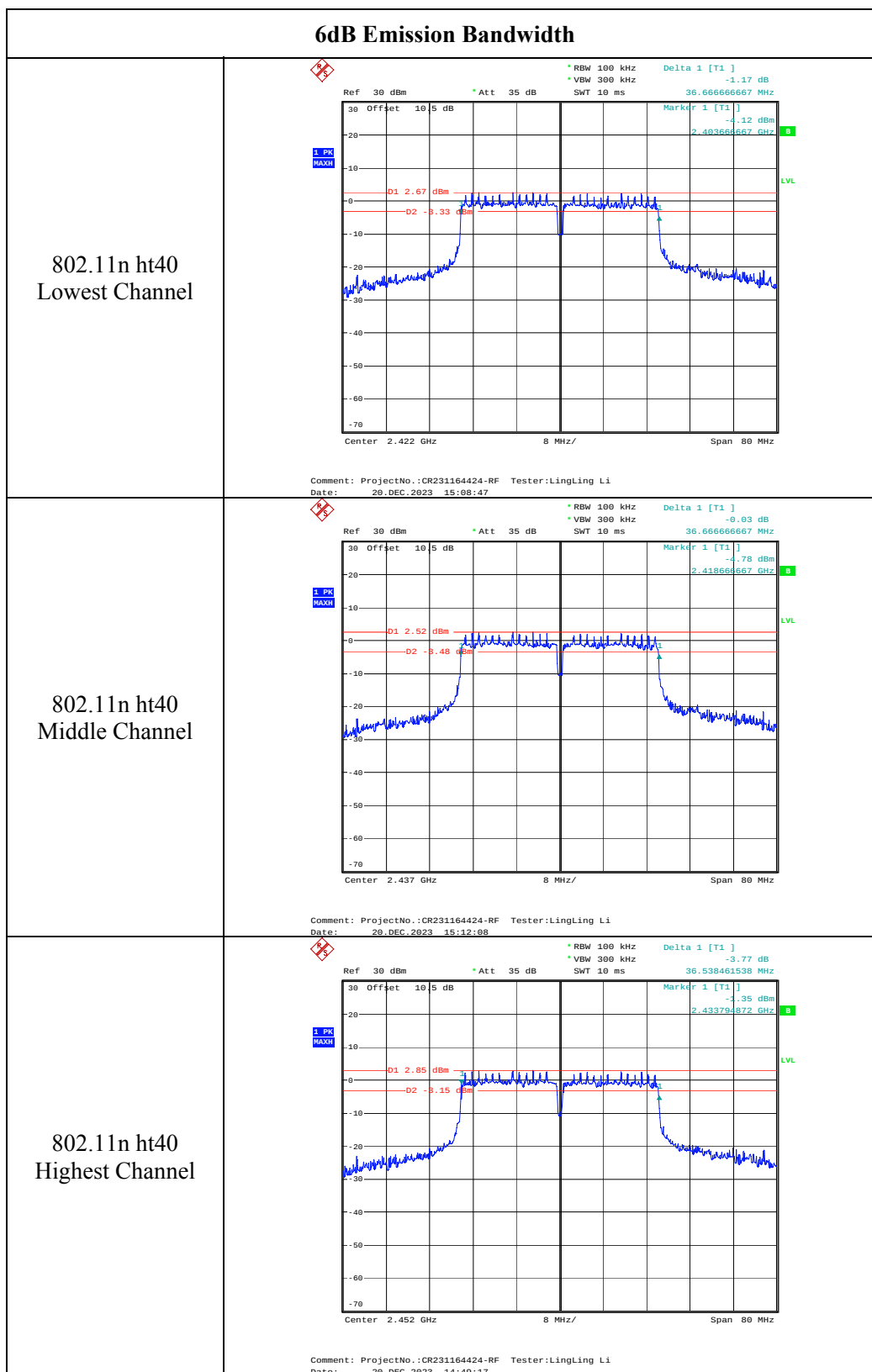
* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data:

Test Modes	Test Frequency (MHz)	Minimum 6 dB Bandwidth (MHz)	Limit (MHz)
802.11b	2412	8.077	0.5
	2437	8.077	0.5
	2462	8.013	0.5
802.11g	2412	16.282	0.5
	2437	16.346	0.5
	2462	16.474	0.5
802.11n ht20	2412	17.692	0.5
	2437	17.628	0.5
	2462	17.628	0.5
802.11n ht40	2422	36.667	0.5
	2437	36.667	0.5
	2452	36.538	0.5







4.4 99% Occupied Bandwidth

Serial Number:	2B74-3	Test Date:	2023/12/20
Test Site:	RF	Test Mode:	Transmitting
Tester:	LingLing Li	Test Result:	N/A

Environmental Conditions:

Temperature: (°C)	25.7	Relative Humidity: (%)	59	ATM Pressure: (kPa)	101.8
----------------------	------	------------------------------	----	------------------------	-------

Test Equipment List and Details:

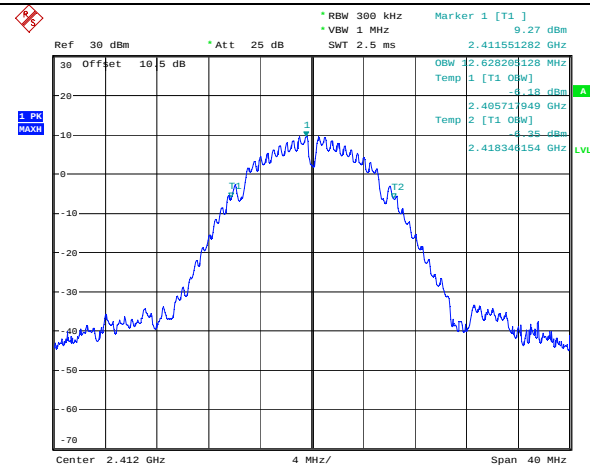
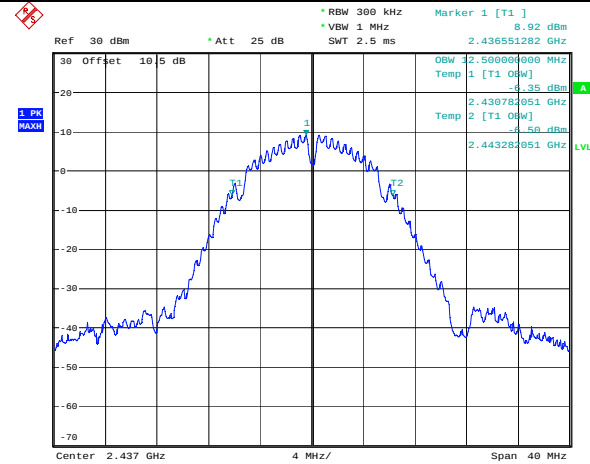
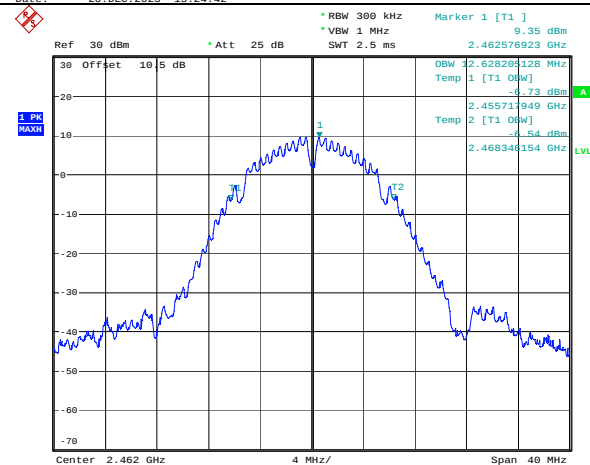
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	100147	2023/3/31	2024/3/30
zhuoxiang	Coaxial Cable	SMA-178	211003	Each time	N/A
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060302	Each time	N/A

* 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).

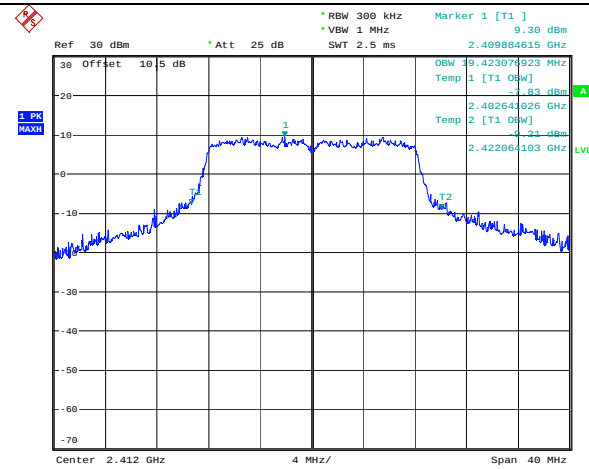
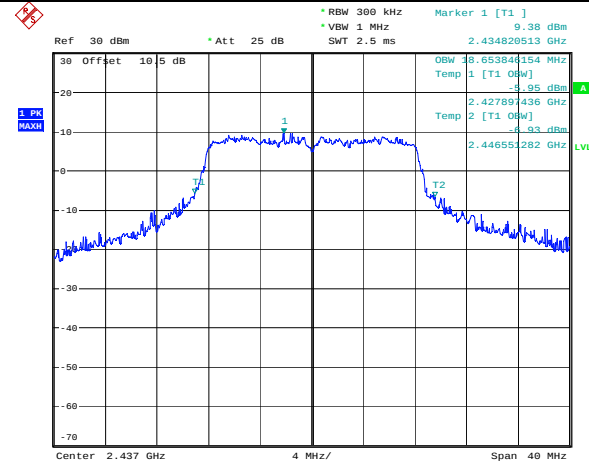
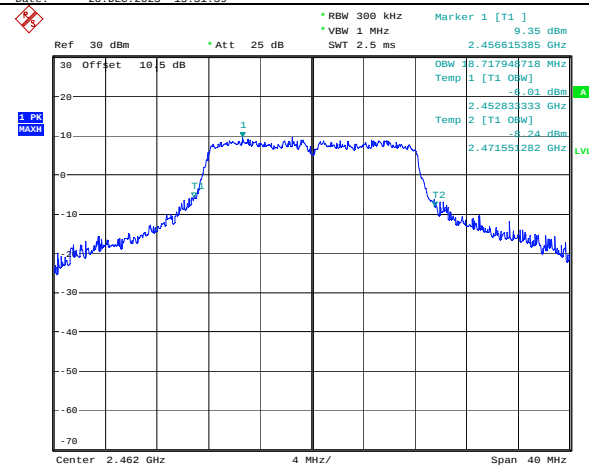
Test Data:

Test Modes	Test Channel	Test Frequency (MHz)	99% Occupied Bandwidth (MHz)
802.11b	Lowest	2412	12.628
	Middle	2437	12.500
	Highest	2462	12.628
802.11g	Lowest	2412	19.423
	Middle	2437	18.654
	Highest	2462	18.718
802.11n ht20	Lowest	2412	20.192
	Middle	2437	19.808
	Highest	2462	19.679
802.11n ht40	Lowest	2422	39.359
	Middle	2437	38.462
	Highest	2452	39.103

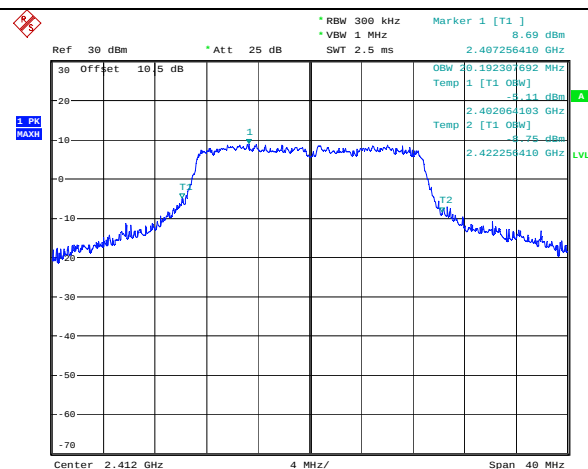
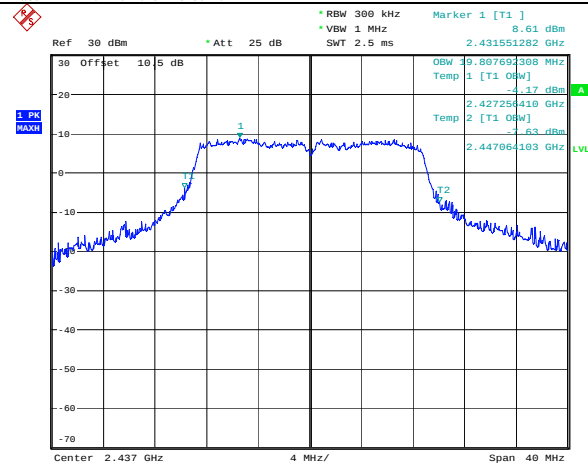
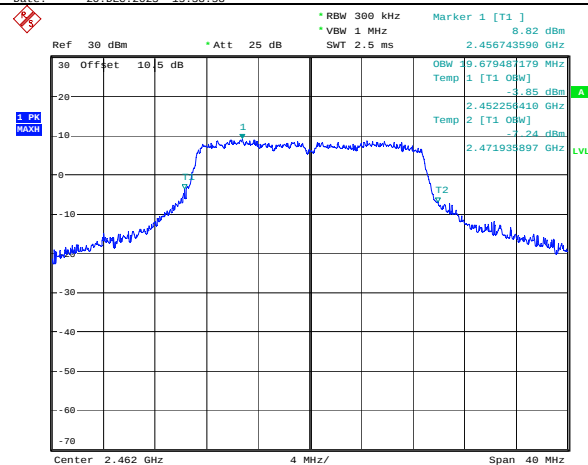
99% Occupied Bandwidth

802.11b
Lowest ChannelComment: ProjectNo.:CR231164424-RF Tester:LingLing Li
Date: 20 DEC.2023 15:21:24802.11b
Middle ChannelComment: ProjectNo.:CR231164424-RF Tester:LingLing Li
Date: 20 DEC.2023 15:24:42802.11b
Highest ChannelComment: ProjectNo.:CR231164424-RF Tester:LingLing Li
Date: 20 DEC.2023 15:26:01

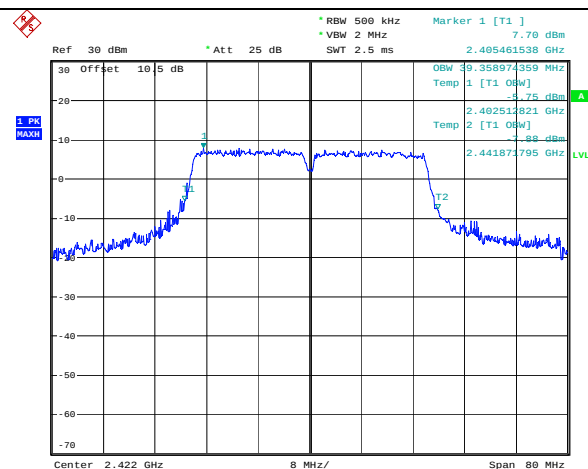
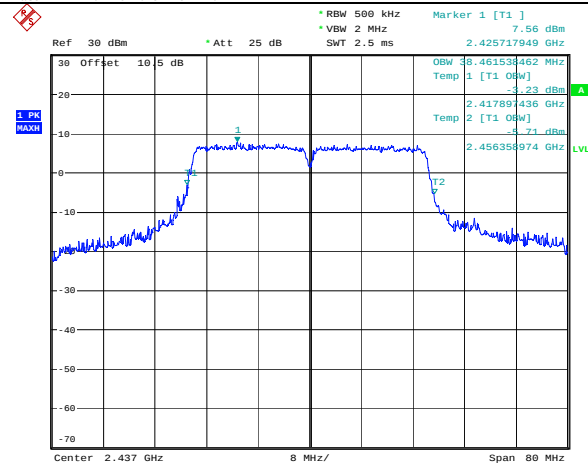
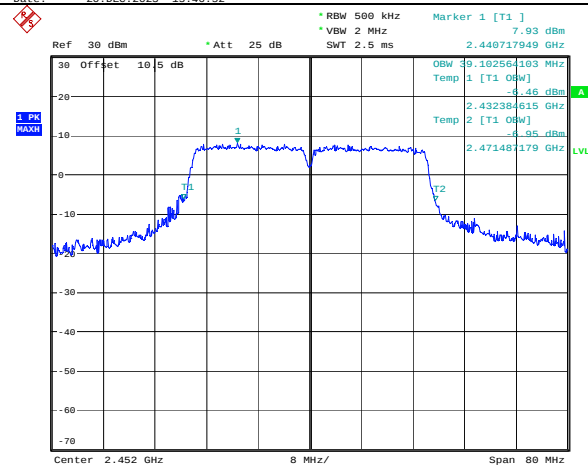
99% Occupied Bandwidth

802.11g
Lowest ChannelComment: ProjectNo.:CR231164424-RF Tester:LingLing Li
Date: 20 DEC.2023 15:28:06802.11g
Middle ChannelComment: ProjectNo.:CR231164424-RF Tester:LingLing Li
Date: 20 DEC.2023 15:31:39802.11g
Highest ChannelComment: ProjectNo.:CR231164424-RF Tester:LingLing Li
Date: 20 DEC.2023 15:33:59

99% Occupied Bandwidth

802.11n ht20
Lowest ChannelComment: ProjectNo.:CR231164424-RF Tester:LingLing Li
Date: 20 DEC.2023 15:36:20802.11n ht20
Middle ChannelComment: ProjectNo.:CR231164424-RF Tester:LingLing Li
Date: 20 DEC.2023 15:38:58802.11n ht20
Highest ChannelComment: ProjectNo.:CR231164424-RF Tester:LingLing Li
Date: 20 DEC.2023 15:52:24

99% Occupied Bandwidth

802.11n ht40
Lowest ChannelComment: ProjectNo.:CR231164424-RF Tester:LingLing Li
Date: 20 DEC 2023 15:44:04802.11n ht40
Middle ChannelComment: ProjectNo.:CR231164424-RF Tester:LingLing Li
Date: 20 DEC 2023 15:46:52802.11n ht40
Highest ChannelComment: ProjectNo.:CR231164424-RF Tester:LingLing Li
Date: 20 DEC 2023 15:49:45

4.5 Maximum Conducted Output Power

Serial Number:	2B74-3	Test Date:	2023/12/20
Test Site:	RF	Test Mode:	Transmitting
Tester:	LingLing Li	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.7	Relative Humidity: (%)	59	ATM Pressure: (kPa)	101.8
----------------------	------	------------------------------	----	------------------------	-------

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Anritsu	Power Meter	ML2495A	1106009	2023/8/4	2024/8/3
Anritsu	Pulse Power Sensor	MA2411A	10780	2023/8/4	2024/8/3
zhuoxiang	Coaxial Cable	SMA-178	211003	Each time	N/A
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060302	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	18.84	30
	2437	18.49	30
	2462	18.89	30
802.11g	2412	21.1	30
	2437	21.18	30
	2462	21.29	30
802.11n ht20	2412	21.19	30
	2437	21.11	30
	2462	21.33	30
802.11n ht40	2422	22.37	30
	2437	22.4	30
	2452	22.3	30

4.6 Maximum Power Spectral Density

Serial Number:	2B74-3	Test Date:	2023/12/20~2023/12/29
Test Site:	RF	Test Mode:	Transmitting
Tester:	LingLing Li	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.1-25.7	Relative Humidity: (%)	56-59	ATM Pressure: (kPa)	101.2-101.8
----------------------	-----------	------------------------------	-------	------------------------	-------------

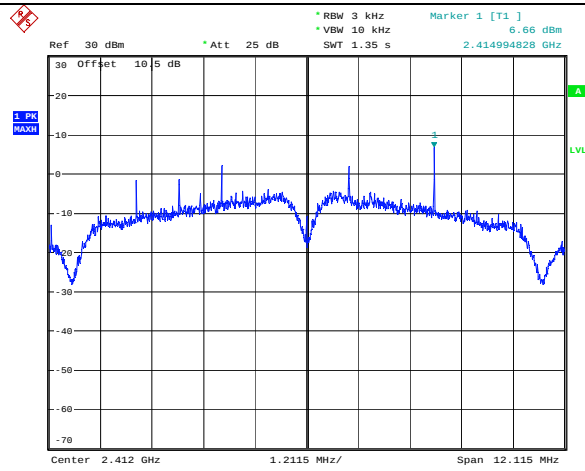
Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	100147	2023/3/31	2024/3/30
zhuoxiang	Coaxial Cable	SMA-178	211003	Each time	N/A
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060302	Each time	N/A

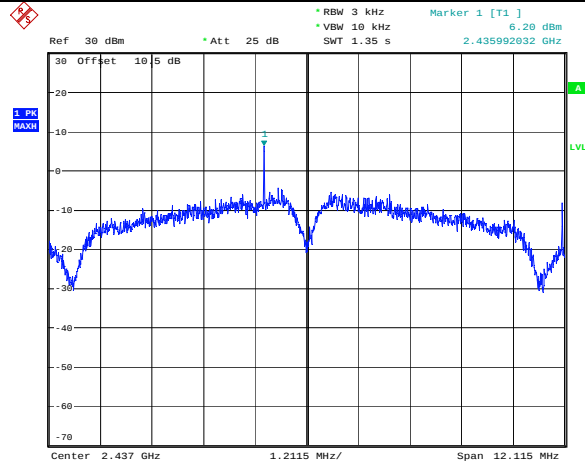
* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data:

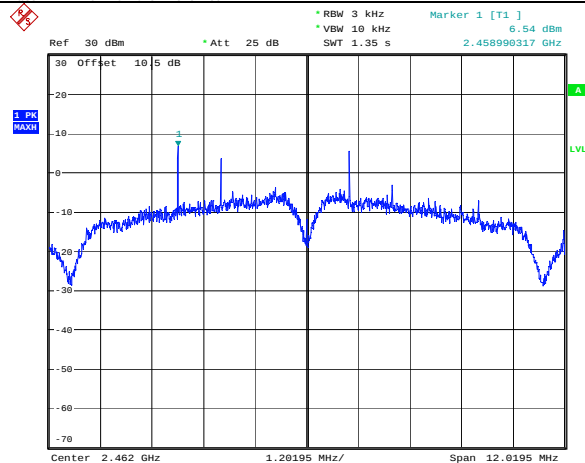
Test Modes	Test Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)
802.11b	2412	6.66	8.00
	2437	6.2	8.00
	2462	6.54	8.00
802.11g	2412	-7.99	8.00
	2437	-7.27	8.00
	2462	-7.67	8.00
802.11n ht20	2412	-7.97	8.00
	2437	-8.32	8.00
	2462	-8.21	8.00
802.11n ht40	2422	-11.36	8.00
	2437	-10.25	8.00
	2452	-10.55	8.00

Maximum power spectral density802.11b
Lowest Channel

Comment: ProjectNo.:CR231164424-RFTester:LingLing Li
Date: 29_DEC.2023 15:26:46

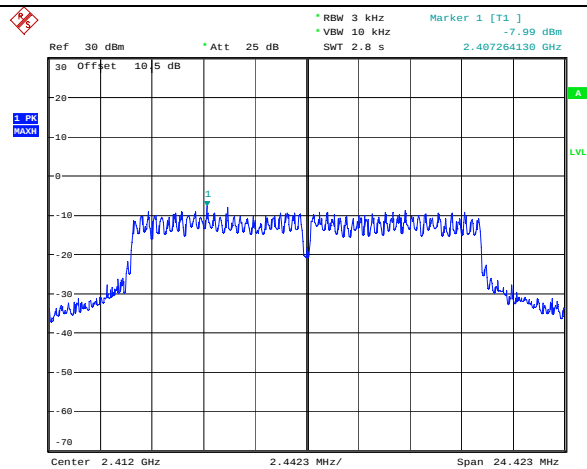
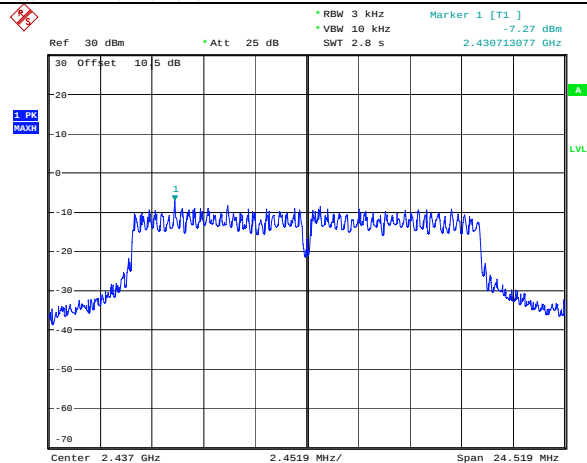
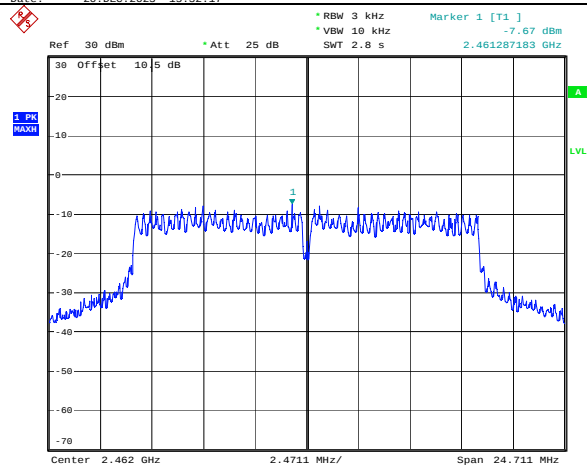
802.11b
Middle Channel

Comment: ProjectNo.:CR231164424-RFTester:LingLing Li
Date: 29_DEC.2023 15:31:39

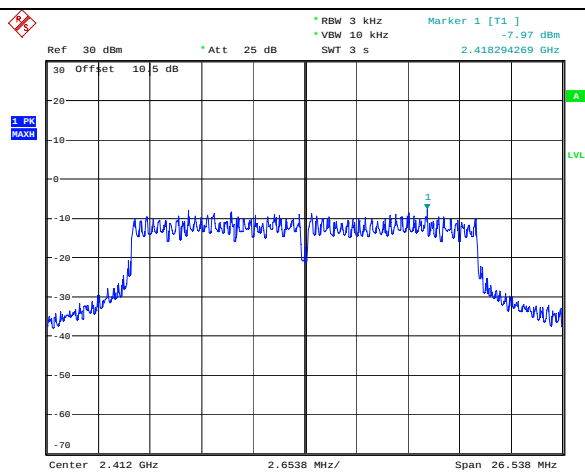
802.11b
Highest Channel

Comment: ProjectNo.:CR231164424-RFTester:LingLing Li
Date: 29_DEC.2023 15:35:29

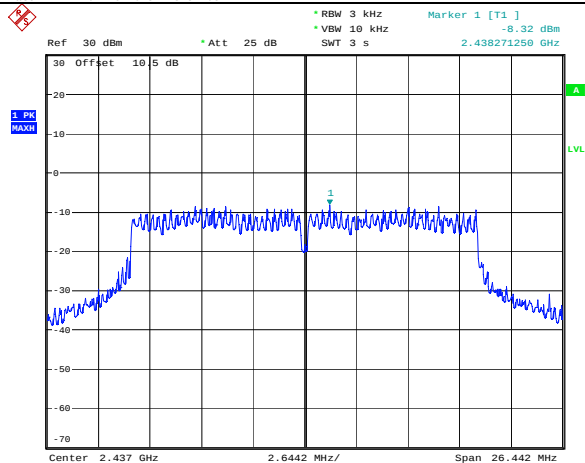
Maximum power spectral density

802.11g
Lowest ChannelComment: ProjectNo.:CR231164424-RF Tester:LingLing Li
Date: 20 DEC.2023 15:28:42802.11g
Middle ChannelComment: ProjectNo.:CR231164424-RF Tester:LingLing Li
Date: 20 DEC.2023 15:32:17802.11g
Highest ChannelComment: ProjectNo.:CR231164424-RF Tester:LingLing Li
Date: 20 DEC.2023 15:34:36

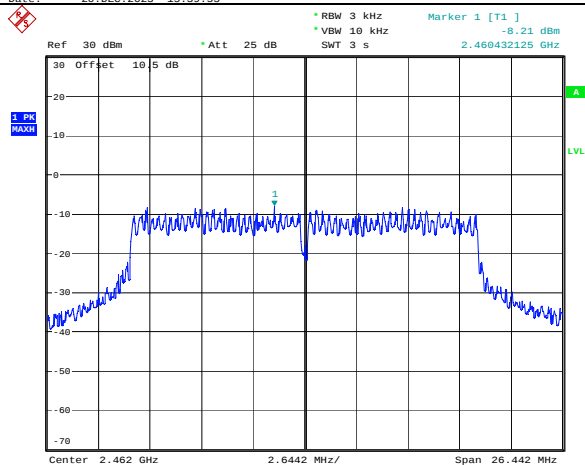
Maximum power spectral density

802.11n ht20
Lowest Channel

Comment: ProjectNo.:CR231164424-RF Tester:LingLing Li
Date: 20 DEC.2023 15:37:08

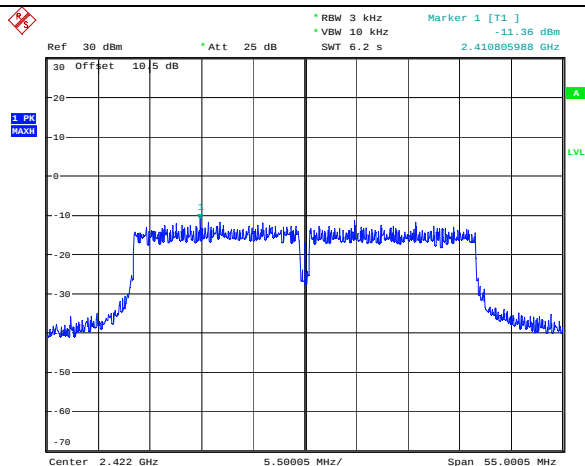
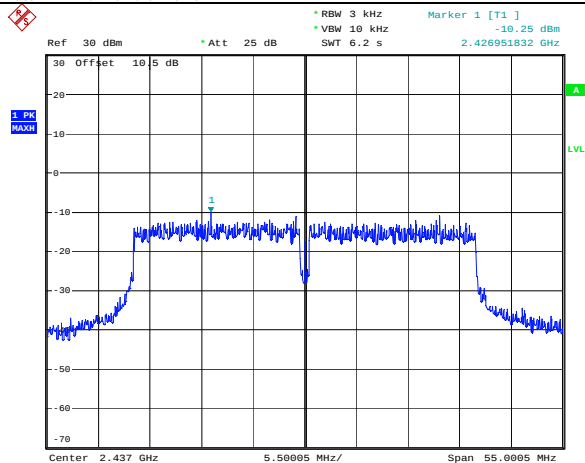
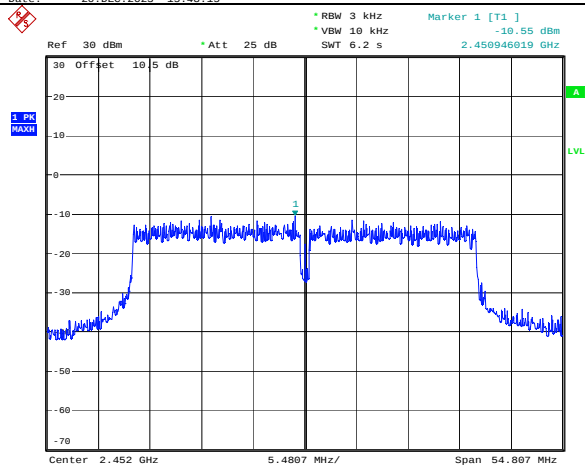
802.11n ht20
Middle Channel

Comment: ProjectNo.:CR231164424-RF Tester:LingLing Li
Date: 20 DEC.2023 15:39:53

802.11n ht20
Highest Channel

Comment: ProjectNo.:CR231164424-RF Tester:LingLing Li
Date: 20 DEC.2023 15:41:46

Maximum power spectral density

802.11n ht40
Lowest ChannelComment: ProjectNo.:CR231164424-RF Tester:LingLing Li
Date: 20 DEC.2023 15:45:14802.11n ht40
Middle ChannelComment: ProjectNo.:CR231164424-RF Tester:LingLing Li
Date: 20 DEC.2023 15:48:15802.11n ht40
Highest ChannelComment: ProjectNo.:CR231164424-RF Tester:LingLing Li
Date: 20 DEC.2023 15:50:54

4.7 100 kHz Bandwidth of Frequency Band Edge:

Serial Number:	2B74-3	Test Date:	2023/12/20
Test Site:	RF	Test Mode:	Transmitting
Tester:	LingLing Li	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.7	Relative Humidity: (%)	59	ATM Pressure: (kPa)	101.8
----------------------	------	------------------------------	----	------------------------	-------

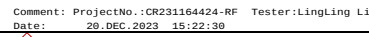
Test Equipment List and Details:

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	211003	Each time	N/A
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060302	Each time	N/A

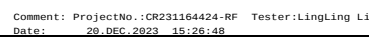
** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:

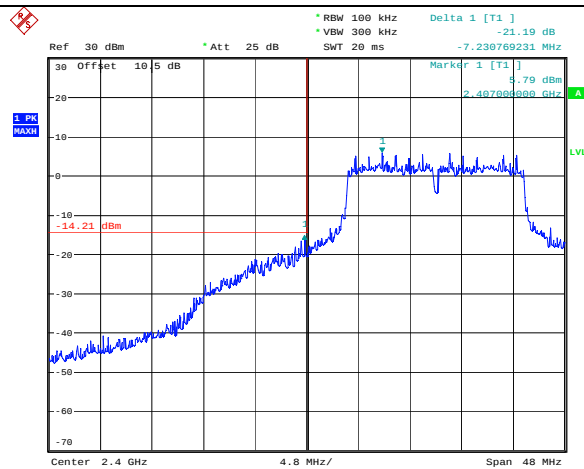
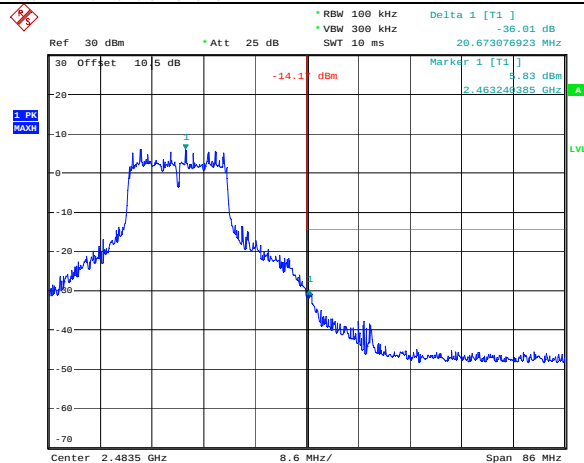
802.11b
Lowest Band edge



802.11b
Highest Band edge

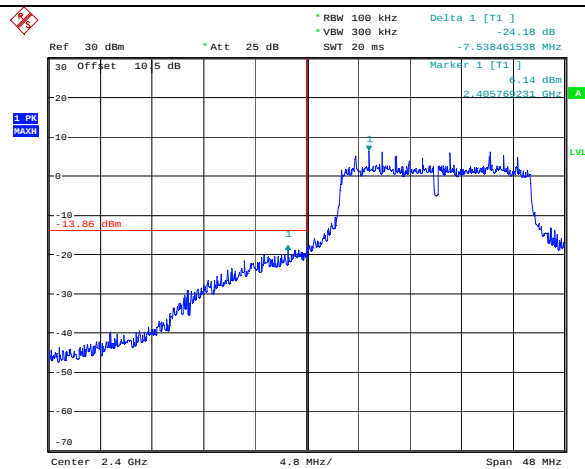


100 kHz Bandwidth of Frequency Band Edge

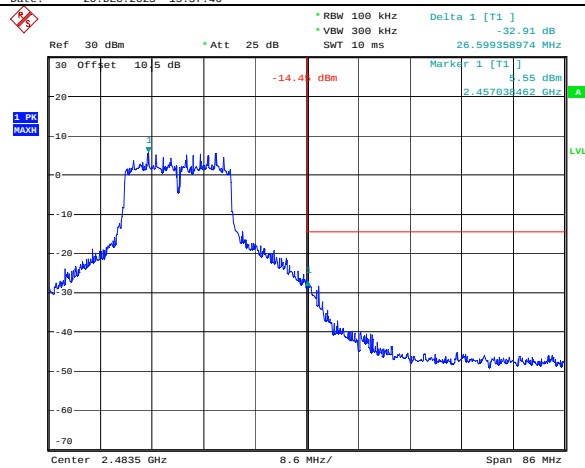
802.11g
Lowest Band edgeComment: ProjectNo.:CR231164424-RF Tester:LingLing Li
Date: 20 DEC.2023 15:29:15802.11g
Highest Band edgeComment: ProjectNo.:CR231164424-RF Tester:LingLing Li
Date: 20 DEC.2023 15:34:56

100 kHz Bandwidth of Frequency Band Edge

802.11n ht20
Lowest Band edge

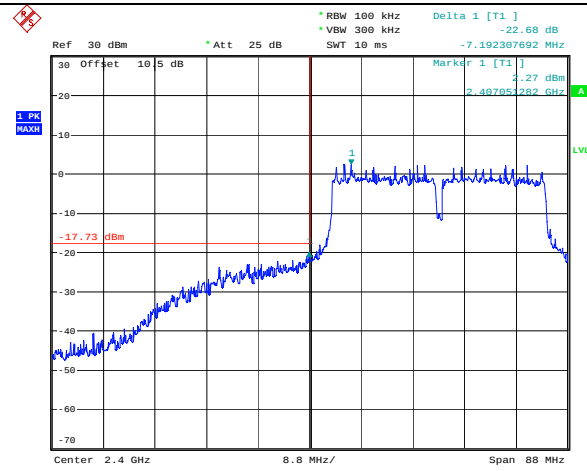


802.11n ht20
Highest Band edge



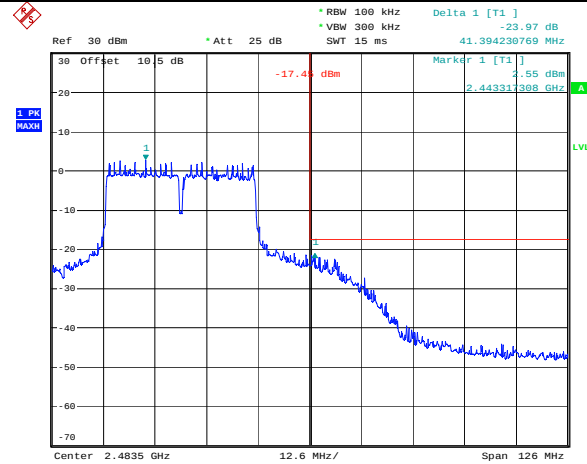
100 kHz Bandwidth of Frequency Band Edge

802.11n ht40
Lowest Band edge



Comment: ProjectNo.:CR231164424-RF Tester:LingLing Li
Date: 20.DEC.2023 15:45:29

802.11n ht40
Highest Band edge



Comment: ProjectNo.:CR231164424-RF Tester:LingLing Li
Date: 20.DEC.2023 15:51:09

4.8 Duty Cycle:

Serial Number:	2B74-3	Test Date:	2023/12/20
Test Site:	RF	Test Mode:	Transmitting
Tester:	LingLing Li	Test Result:	N/A

Environmental Conditions:

Temperature: (°C)	25.7	Relative Humidity: (%)	59	ATM Pressure: (kPa)	101.8
----------------------	------	------------------------------	----	------------------------	-------

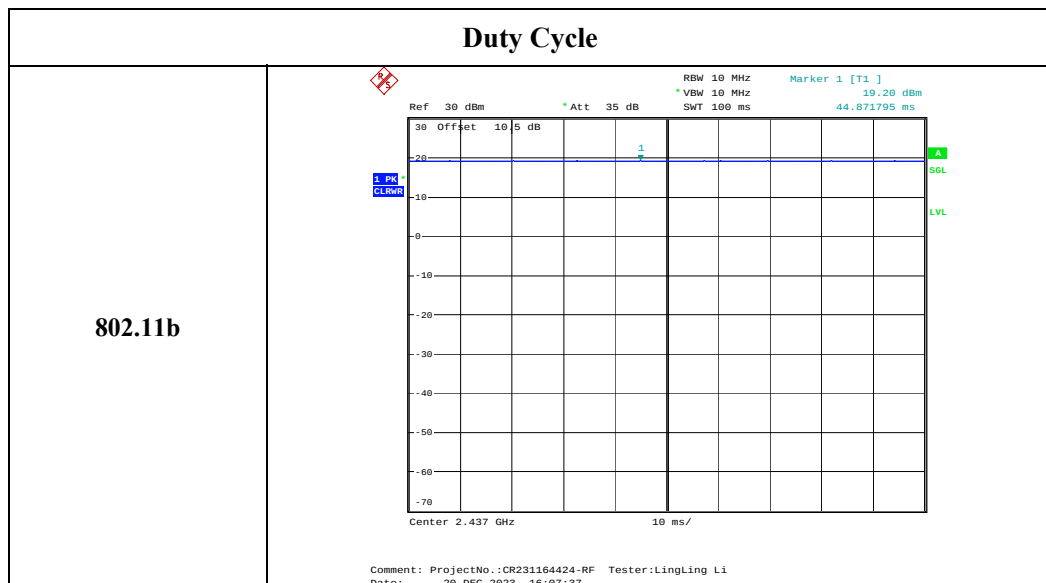
Test Equipment List and Details:

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	211003	Each time	N/A
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060302	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).

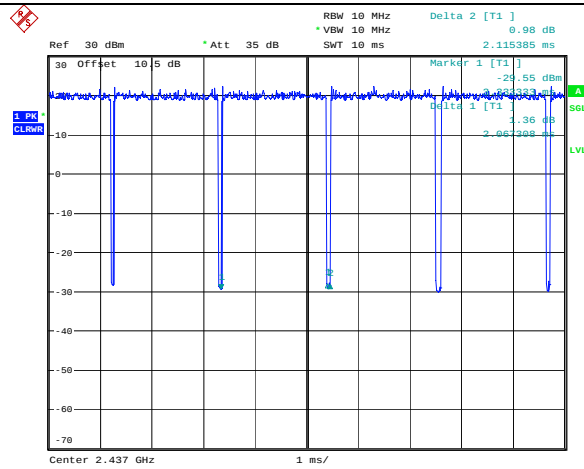
Test Data:

Test Modes	Ton (ms)	Ton+off (ms)	Duty cycle (%)	1/T (Hz)	VBW Setting (kHz)
802.11b	100	100	100.00	/	0.01
802.11g	2.067	2.115	97.73	484	0.5
802.11n ht20	1.923	2.115	90.92	520	1
802.11n ht40	0.954	1.058	90.17	1048	2



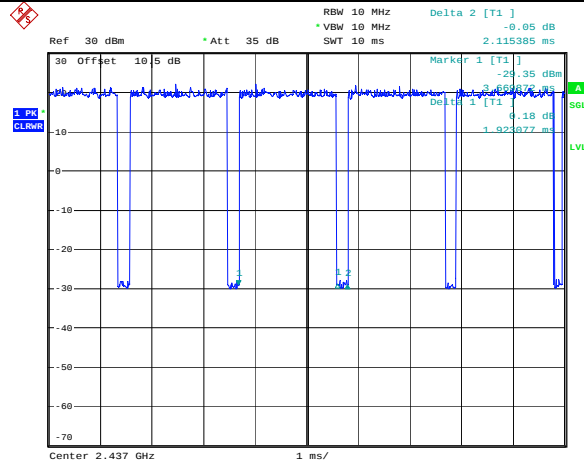
Duty Cycle

802.11g



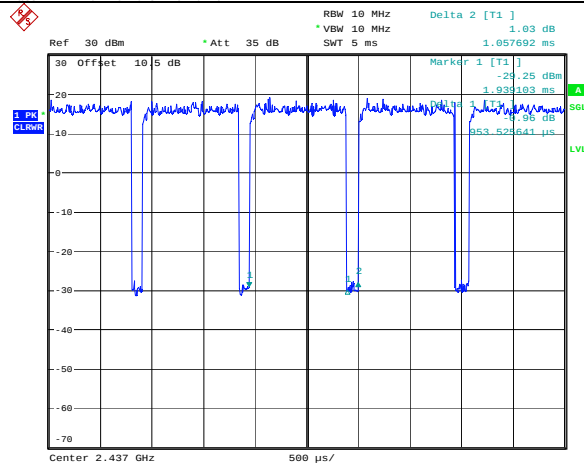
Comment: ProjectNo.:CR231164424-RF Tester:LingLing Li
Date: 20 DEC.2023 16:09:15

802.11n ht20



Comment: ProjectNo.:CR231164424-RF Tester:LingLing Li
Date: 20 DEC.2023 16:10:46

802.11n ht40



Comment: ProjectNo.:CR231164424-RF Tester:LingLing Li
Date: 20 DEC.2023 16:12:40

5. EUT PHOTOGRAPHS

Please refer to the attachment CR231164424-EXP EUT EXTERNAL PHOTOGRAPHS and
CR231164424-INP EUT INTERNAL PHOTOGRAPHS

6. TEST SETUP PHOTOGRAPHS

Please refer to the attachment CR231164424-00C-TSP TEST SETUP PHOTOGRAPHS.

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