



TEST REPORT

Applicant: Inrico Technologies Co.,Ltd

Address: A1703, Shenzhen National Engineering Laboratory Building, No. 20 Gaoxin South 7th Road, Shenzhen, China

FCC ID: 2AIV6-IRC380

Product Name: SMART MULTI-MODE RADIO

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: CR231058645-00C

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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.

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DOCUMENT REVISION HISTORY

Revision Number	vision Number Report Number Description of Revision		Date of Revision
1.0	CR231058645-00C	Original Report	2024/6/1

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

EUT Name:	SMART MULTI-MODE RADIO
EUT Model:	IRC380
Operation Frequency:	2412-2462 MHz (802.11b/g/n ht20) 2422-2452 MHz (802.11n ht40)
Maximum Peak Output Power (Conducted):	18.13 dBm
Modulation Type:	802.11b: DSSS-DBPSK, DQPSK, CCK 802.11g/n: OFDM-BPSK, QPSK, 16QAM, 64QAM
Rated Input Voltage:	DC 5V charging from adapter or 7.6V from battery or DC 12V charging from Charging Dock
Serial Number:	CE/RE:2C04-2, RF: 2C04-3
EUT Received Date:	2023/10/13
EUT Received Status:	Good

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 to test:						
Test	Channel	Freque	ency (MHz)			
L	owest	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	Per section 15.31(m), the below frequencies were performed to test:						
Test	Channel	Freque	ncy (MHz)				
L	owest	2	2422				
M	liddle	2437					
Н	ighest	2452					

Antenna Information Detail▲:

Antenna Type	input impedance (Ohm)	Frequency Range	Antenna Gain
FPC	50	2.4~2.5GHz	4.12 dBi
The Medhe 1 - 0 215 202 Commi	t		

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
Adapter	ShenZhen HuaJin Electronics CO.,LTD	HJ-0503000-US
Small Hand Microphone	Unknown	Unknown
Big Hand Microphone	Unknown	Unknown
Charging Dock	Unknown	CI-80G

1.2 Description of Test Configuration

1.2.1 EUT Operation Condition:

EUT Operation Mode:	The system was configured for testing in Engineering Mode, which was provided by the manufacturer. Per BT report test, Power by Adapter with Small Hand Microphone was the worst for Conducted Emissions Test, Power by Charging Dock with Big Hand Microphone was worst for Radiation Spurious Emissions Test.
Equipment Modifications:	No
EUT Exercise Software:	QRCT3

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

Mode	Channel	Frequency (MHz)	Data Rate	Power Level Setting
	Lowest	2412	1Mbps	13
802.11b	Middle	2437	1Mbps	13
	Highest	2462	1Mbps	13
	Lowest	2412	6Mbps	8
802.11g	Middle	2437	6Mbps	8
_	Highest	2462	6Mbps	8
	Lowest	2412	MCS0	8
802.11n ht20	Middle	2437	MCS0	8
	Highest	2462	MCS0	8
	Lowest	2422	MCS0	8
802.11n ht40	Middle	2437	MCS0	8
	Highest	2452	MCS0	8

Note:

1. The above are the worst-case data rates, which are determined for each mode based upon investigations by measuring the power and PSD across all data rates, bandwidths, and modulations.

1.2.2 Support Equipment List and Details

Manufacturer	irer Description M		Serial Number
/	/	/	/

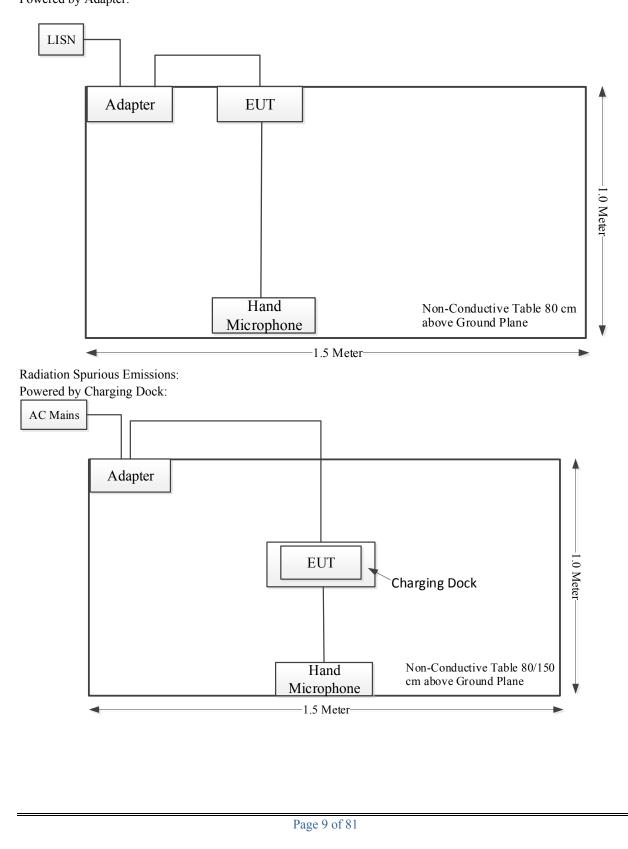
1.2.3 Support Cable List and Details

Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	То
USB Cable	No	No	1	Adapter	EUT
Hand Microphone Cable	No	No	1.2	EUT	Hand Microphone
Hand Microphone Cable	No	No	0.8	EUT	Hand Microphone
USB Cable	No	No	1	Adapter	Charging Dock

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1.2.4 Block Diagram of Test Setup

AC Line Conducted Emissions: Powered by 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
	9kHz~30MHz: 4.12dB, 30M~200MHz: 4.15 dB,
Unwanted Emissions, radiated	200M~1GHz: 5.61 dB,1G~6GHz: 5.14 dB, 6G~18GHz: 5.93 dB,
	18G~26.5G:5.47 dB,26.5G~40G:5.63 dB
Unwanted Emissions, conducted	±1.26 dB
Temperature	±1℃
Humidity	$\pm 5\%$
DC and low frequency voltages	$\pm 0.4\%$
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(e)	Power Spectral Density	Compliant
§15.247(d)	100 kHz Bandwidth of Frequency Band Edge	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.

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

*Decreases with the logarithm of the frequency.

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

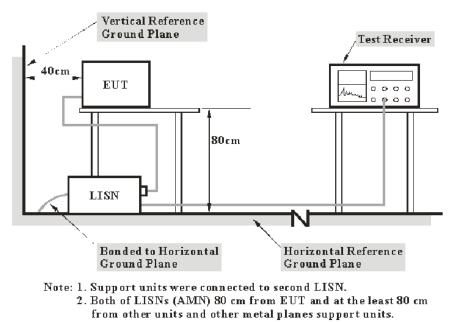
(1) For carrier current system containing their fundamental emission within the frequency band 535-1705 kHz and intended to be received using a standard AM broadcast receiver: no limit on conducted emissions.

(2) For all other carrier current systems: 1000 μV within the frequency band 535-1705 kHz, as measured using a 50 $\mu H/50$ 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



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 frequency and specific current-carrying conductor identified with the emission. The six highest emissions should be reported for each of the reported for each of the current-carrying conductor identified with the emission. The six highest emissions should be reported for each of the current-carrying conductor, 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

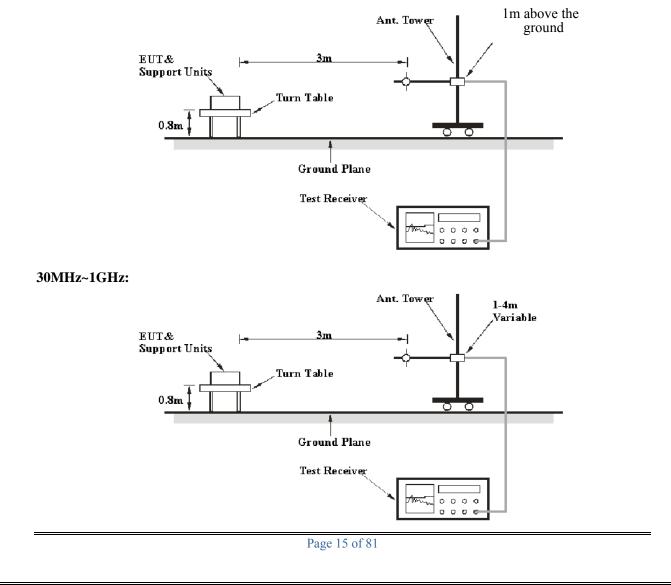
3.2.1 Applicable Standard

FCC §15.247 (d)

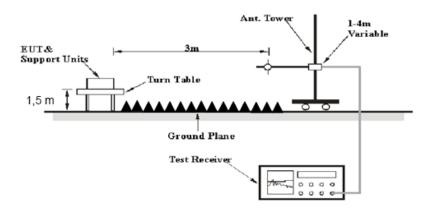
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the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



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:

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

1GHz-25GHz:

Measurement	Duty cycle	RBW	Video B/W
PK	Any	1MHz	3 MHz
437	>98%	1MHz	10 Hz
AV	<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

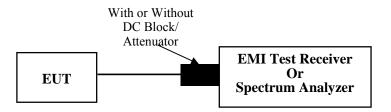
3.3 Minimum 6 dB Bandwidth:

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



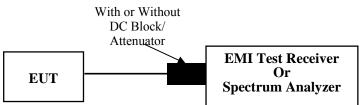
3.3.3 Test Procedure

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).

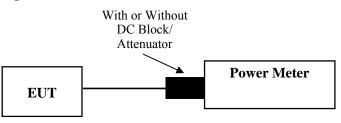
3.5 Maximum Conducted Output Power:

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.

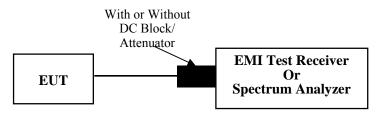
3.6 Maximum Power Spectral Density:

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 kHz \leq RBW \leq 100 kHz.

d) Set the VBW $\geq [3 \cdot RBW]$.

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.

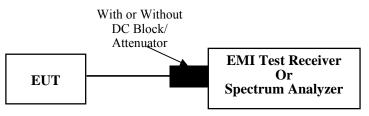
3.7 100 kHz Bandwidth of Frequency Band Edge:

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 × RBW].

d) Detector = peak.

e) Sweep time = auto couple.

f) Trace mode = max hold.

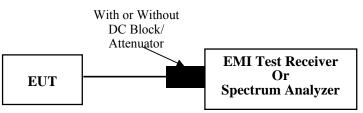
g) Allow trace to fully stabilize.

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 $RBW \ge OBW$ 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 $T \le 16.7 \ \mu s$.)

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:	2C04-2	Test Date:	2024/1/15
Test Site:	CE	Test Mode:	Transmitting(maximum output power mode, 802.11b middle channel)
Tester:	David Huang	Test Result:	Pass

Environmental Conditions:

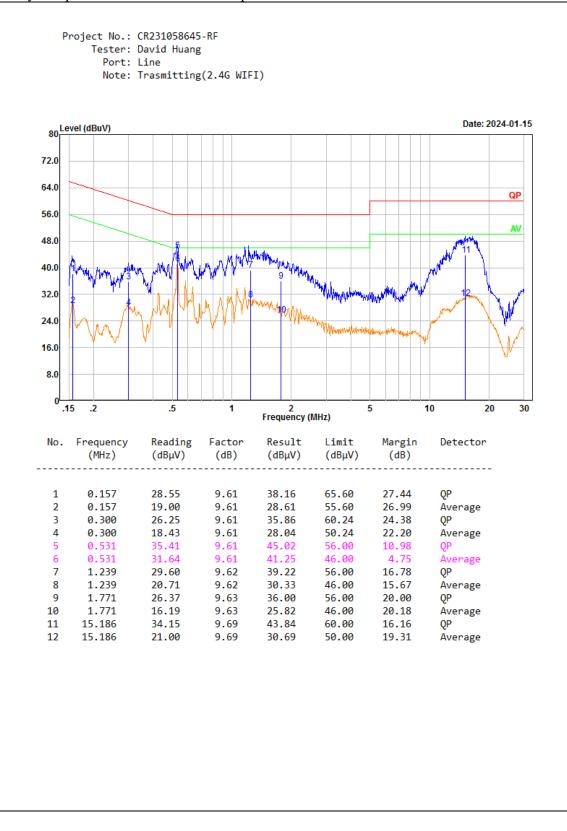
Temperature: (°C) 25.9	Relative Humidity: (%)	44	ATM Pressure: (kPa)	101.3
---------------------------	---------------------------	----	------------------------	-------

Test Equipment List and Details:

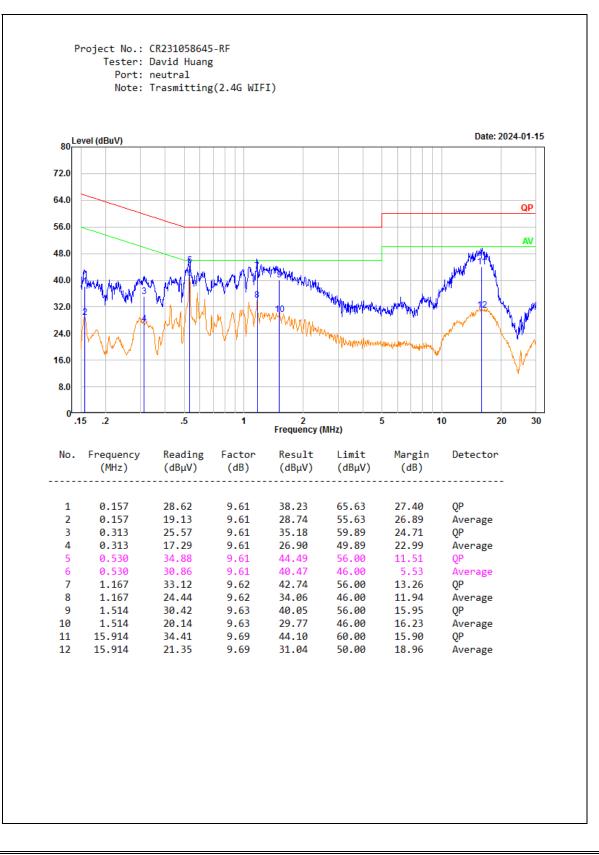
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	LISN	ENV216	101134	2023/3/31	2024/3/30
R&S	EMI Test Receiver	ESR3	102726	2023/3/31	2024/3/30
MICRO-COAX	Coaxial Cable	UTIFLEX	C-0200-01	2023/8/6	2024/8/5
Audix	Test Software	E3	190306 (V9)	N/A	N/A

* 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).

Power by Adapter with Small Hand Microphone



Report No.: CR231058645-00C



4.2 Radiation Spurious Emissions

Serial Number:	2C04-2	Test Date:	Above 1GHz: 2024/1/13 Below 1GHz: 2024/6/1
Test Site:	966-2,966-1	Test Mode:	Transmitting
Tester:	Carl Xue, Mack Huang	Test Result:	Pass

Environmenta	l Conditions:				
Temperature: (°C)	25.4-26.2	Relative Humidity: (%)	60-61	ATM Pressure: (kPa)	100.1-101.3

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date				
Radiation Spurious Emissions Below 1GHz									
Sunol Sciences	Antenna	JB6	A082520-5	2023/12/1	2026/11/30				
BACL	Loop Antenna	1313-1A	3110611	2023/12/4	2026/12/3				
Daruikang	Coaxial Cable	BNC-JJ-RG58	C-0300-01	2024/1/11	2025/1/10				
Daruikang	Coaxial Cable	BNC-JJ-RG58	C-0500-01	2024/1/11	2025/1/10				
R&S	EMI Test Receiver	ESR3	102724	2024/2/29	2025/2/28				
TIMES MICROWAVE	Coaxial Cable	LMR-600- UltraFlex	C-0100-03	2023/12/4	2024/12/3				
TIMES MICROWAVE	Coaxial Cable	LMR-600- UltraFlex	C-0370-01	2023/12/4	2024/12/3				
TIMES MICROWAVE	Coaxial Cable	LMR-600- UltraFlex	C-0780-01	2023/12/4	2024/12/3				
Sonoma	Amplifier	310N	186165	2023/12/4	2024/12/3				
Audix	Test Software	E3	191218 (V9)	N/A	N/A				
	Radiation Spurious Emissions Above 1GHz								
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				
Audix	Test Software	E3	201021 (V9)	N/A	N/A				
PASTERNACK	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.

After pre-scan in the X, Y and Z axes of orientation, the worst case is below:

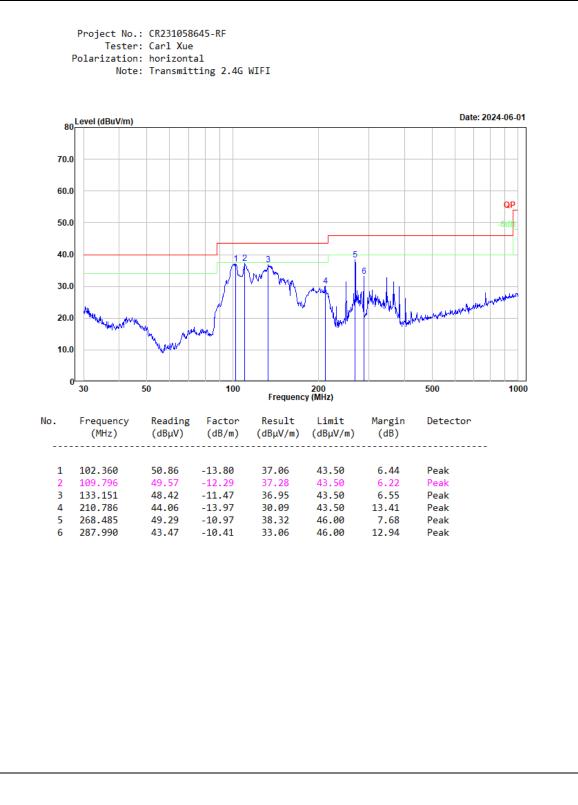
1) 9kHz~30MHz

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

Report No.: CR231058645-00C

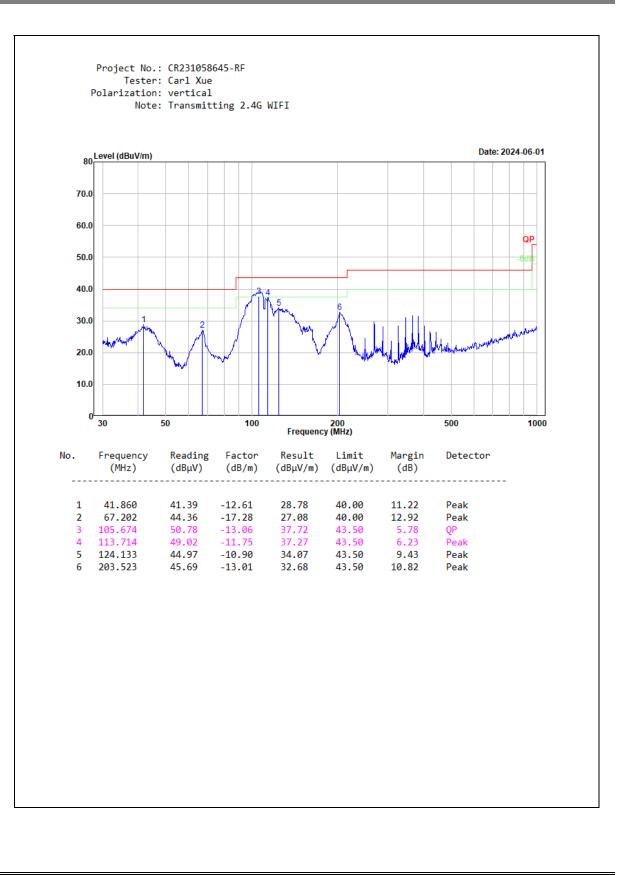
China Certification ICT Co., Ltd (Dongguan)

2) 30MHz-1GHz(maximum output power mode, 802.11b Middle Channel) Power by Charging Dock with Big Hand Microphone:



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3) 1-25GHz: 8011b Mode:

8011b Mode:							
Frequency (MHz)	Receiver		Polar	Factor	Result	Limit	Margin
	Reading (dBµV)	Detector	(H/V)	(dB/m)	(dBµV/m)	$(dB\mu V/m)$	(dB)
	Low C	Channel:	2412	MHz			
4824.000	35.32	РК	Н	11.26	46.58	74.00	27.42
4824.000	28.35	AV	Н	11.26	39.61	54.00	14.39
4824.000	38.01	РК	V	11.26	49.27	74.00	24.73
4824.000	31.48	AV	V	11.26	42.74	54.00	11.26
7236.000	36.82	РК	Н	15.24	52.06	74.00	21.94
7236.000	23.50	AV	Н	15.24	38.74	54.00	15.26
7236.000	37.92	РК	V	15.24	53.16	74.00	20.84
7236.000	23.95	AV	V	15.24	39.19	54.00	14.81
		Middle C	Channel:	2437	MHz		
4874.000	36.42	РК	Н	11.45	47.87	74.00	26.13
4874.000	27.16	AV	Н	11.45	38.61	54.00	15.39
4874.000	38.16	РК	V	11.45	49.61	74.00	24.39
4874.000	33.68	AV	V	11.45	45.13	54.00	8.87
7311.000	36.04	РК	Н	15.58	51.62	74.00	22.38
7311.000	22.37	AV	Н	15.58	37.95	54.00	16.05
7311.000	37.15	РК	V	15.58	52.73	74.00	21.27
7311.000	23.81	AV	V	15.58	39.39	54.00	14.61
	High Chann				MHz		
4924.000	39.33	РК	Н	11.67	51.00	74.00	23.00
4924.000	34.38	AV	Н	11.67	46.05	54.00	7.95
4924.000	40.44	РК	V	11.67	52.11	74.00	21.89
4924.000	35.47	AV	V	11.67	47.14	54.00	6.86
7386.000	36.56	РК	Н	15.63	52.19	74.00	21.81
7386.000	23.60	AV	Н	15.63	39.23	54.00	14.77
7386.000	37.74	РК	V	15.63	53.37	74.00	20.63
7386.000	22.99	AV	V	15.63	38.62	54.00	15.38

Report No.: CR231058645-00C

8011g Mode:

Frequency (MHz)	Receiver			_			
	Reading (dBµV)	Detector	Polar (H/V)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)
		Low C	MHz				
4824.000	35.81	РК	Н	10.94	46.75	74.00	27.25
4824.000	28.09	AV	Н	10.94	39.03	54.00	14.97
4824.000	35.98	РК	V	10.94	46.92	74.00	27.08
4824.000	27.68	AV	V	10.94	38.62	54.00	15.38
7236.000	39.51	РК	Н	14.44	53.95	74.00	20.05
7236.000	26.16	AV	Н	14.44	40.60	54.00	13.40
7236.000	39.21	РК	V	14.44	53.65	74.00	20.35
7236.000	26.05	AV	V	14.44	40.49	54.00	13.51
		Middle (MHz				
4874.000	36.83	РК	Н	11.05	47.88	74.00	26.12
4874.000	31.61	AV	Н	11.05	42.66	54.00	11.34
4874.000	38.02	РК	V	11.05	49.07	74.00	24.93
4874.000	31.82	AV	V	11.05	42.87	54.00	11.13
7311.000	39.56	РК	Н	14.80	54.36	74.00	19.64
7311.000	25.31	AV	Н	14.80	40.11	54.00	13.89
7311.000	40.85	РК	V	14.80	55.65	74.00	18.35
7311.000	28.23	AV	V	14.80	43.03	54.00	10.97
		High C	2462	MHz			
4924.000	38.76	РК	Н	11.18	49.94	74.00	24.06
4924.000	32.16	AV	Н	11.18	43.34	54.00	10.66
4924.000	37.32	РК	V	11.18	48.50	74.00	25.50
4924.000	31.46	AV	V	11.18	42.64	54.00	11.36
7386.000	39.21	РК	Н	14.89	54.10	74.00	19.90
7386.000	24.51	AV	Н	14.89	39.40	54.00	14.60
7386.000	38.58	РК	V	14.89	53.47	74.00	20.53
7386.000	25.42	AV	V	14.89	40.31	54.00	13.69

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8011n ht20 Mode:

Frequency (MHz)	Receiver		Dalan	Frates	D 14	T in it	Manain		
	Reading (dBµV)	Detector	Polar (H/V)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)		
		Low C	MHz						
4824.000	36.33	РК	Н	10.94	47.27	74.00	26.73		
4824.000	28.48	AV	Н	10.94	39.42	54.00	14.58		
4824.000	36.54	РК	V	10.94	47.48	74.00	26.52		
4824.000	28.87	AV	V	10.94	39.81	54.00	14.19		
7236.000	39.63	РК	Н	14.44	54.07	74.00	19.93		
7236.000	25.95	AV	Н	14.44	40.39	54.00	13.61		
7236.000	38.65	РК	V	14.44	53.09	74.00	20.91		
7236.000	25.31	AV	V	14.44	39.75	54.00	14.25		
		Middle (MHz						
4874.000	33.38	РК	Н	11.05	44.43	74.00	29.57		
4874.000	27.24	AV	Н	11.05	38.29	54.00	15.71		
4874.000	33.78	РК	V	11.05	44.83	74.00	29.17		
4874.000	27.97	AV	V	11.05	39.02	54.00	14.98		
7311.000	35.70	РК	Н	14.80	50.50	74.00	23.50		
7311.000	22.97	AV	Н	14.80	37.77	54.00	16.23		
7311.000	36.18	РК	V	14.80	50.98	74.00	23.02		
7311.000	23.66	AV	V	14.80	38.46	54.00	15.54		
	High Channel: 24					MHz			
4924.000	37.41	РК	Н	11.18	48.59	74.00	25.41		
4924.000	29.84	AV	Н	11.18	41.02	54.00	12.98		
4924.000	36.59	РК	V	11.18	47.77	74.00	26.23		
4924.000	29.84	AV	V	11.18	41.02	54.00	12.98		
7386.000	38.42	РК	Н	14.89	53.31	74.00	20.69		
7386.000	26.88	AV	Н	14.89	41.77	54.00	12.23		
7386.000	38.99	РК	V	14.89	53.88	74.00	20.12		
7386.000	26.48	AV	V	14.89	41.37	54.00	12.63		

Report No.: CR231058645-00C

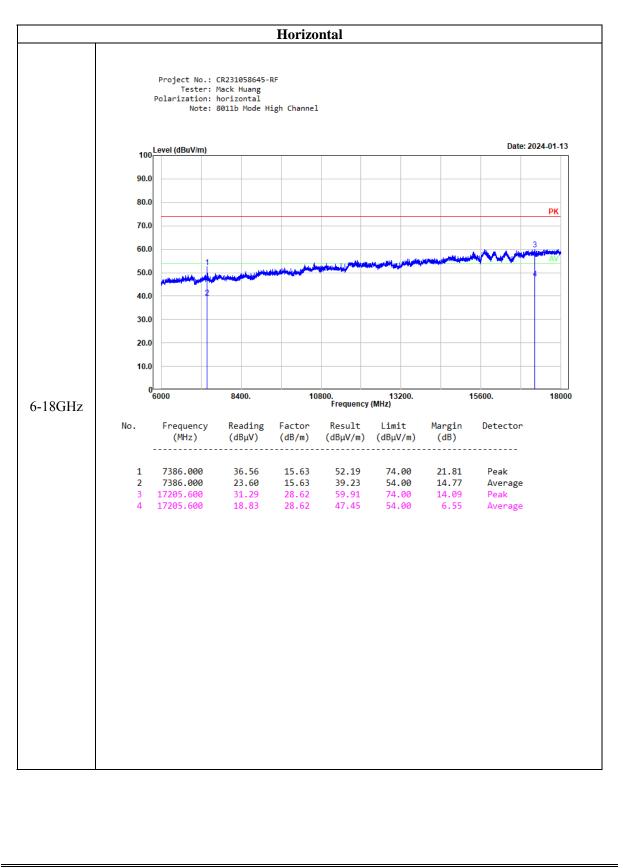
8011n ht40 Mode:

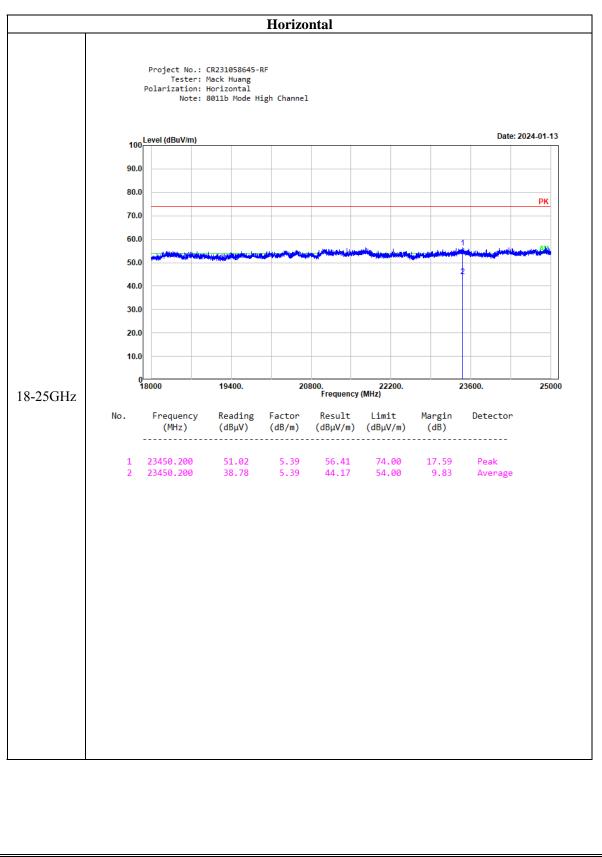
Frequency (MHz)	Receiver		Dalan	F actor	D It	T inclu	Manain
	Reading (dBµV)	Detector	Polar (H/V)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)
		Low (MHz				
4844.000	36.41	РК	Н	10.96	47.37	74.00	26.63
4844.000	28.46	AV	Н	10.96	39.42	54.00	14.58
4844.000	36.58	РК	V	10.96	47.54	74.00	26.46
4844.000	29.69	AV	V	10.96	40.65	54.00	13.35
7266.000	39.02	РК	Н	14.63	53.65	74.00	20.35
7266.000	26.10	AV	Н	14.63	40.73	54.00	13.27
7266.000	38.52	РК	V	14.63	53.15	74.00	20.85
7266.000	25.25	AV	V	14.63	39.88	54.00	14.12
		Middle (MHz				
4874.000	35.68	PK	Н	11.05	46.73	74.00	27.27
4874.000	28.22	AV	Н	11.05	39.27	54.00	14.73
4874.000	36.70	РК	V	11.05	47.75	74.00	26.25
4874.000	30.69	AV	V	11.05	41.74	54.00	12.26
7311.000	39.48	РК	Н	14.80	54.28	74.00	19.72
7311.000	26.01	AV	Н	14.80	40.81	54.00	13.19
7311.000	39.42	РК	V	14.80	54.22	74.00	19.78
7311.000	25.54	AV	V	14.80	40.34	54.00	13.66
		High (MHz				
4904.000	36.12	РК	Н	11.14	47.26	74.00	26.74
4904.000	30.31	AV	Н	11.14	41.45	54.00	12.55
4904.000	37.08	РК	V	11.14	48.22	74.00	25.78
4904.000	29.93	AV	V	11.14	41.07	54.00	12.93
7356.000	37.78	PK	Н	14.80	52.58	74.00	21.42
7356.000	25.53	AV	Н	14.80	40.33	54.00	13.67
7356.000	37.59	РК	V	14.80	52.39	74.00	21.61
7356.000	25.93	AV	V	14.80	40.73	54.00	13.27

Horizontal Project No.: CR231058645-RF Tester: Mack Huang Polarization: horizontal Note: 8011b Mode High Channel 100 Level (dBuV/m) Date: 2024-01-13 Fundamental test with Band 90.0 **Rejection Filter** 80.0 РК 70.0 60.0 50.0 40.0 A MARANA an blaunde 30.0 20.0 10.0 0 1000 2000. 3000. 4000. Frequency (MHz) 5000. 6000 1-6GHz Reading No. Frequency Factor Result Limit Margin Detector (dB/m) (MHz) (dBµV) $(dB\mu V/m)$ $(dB\mu V/m)$ (dB) ----------_ _ _ _ _ _ _ _ _ 4924.000 39.33 11.67 51.00 74.00 23.00 1 Peak 4924.000 34.38 11.67 46.05 54.00 7.95 2 Average

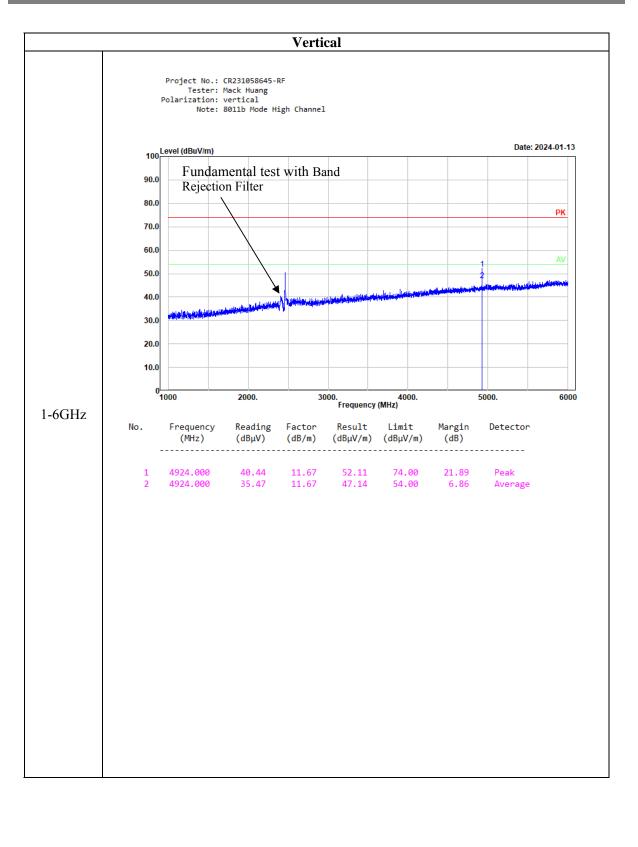
Worst Radiation Spurious Emissions Margin Test plots (802.11b High Channel):

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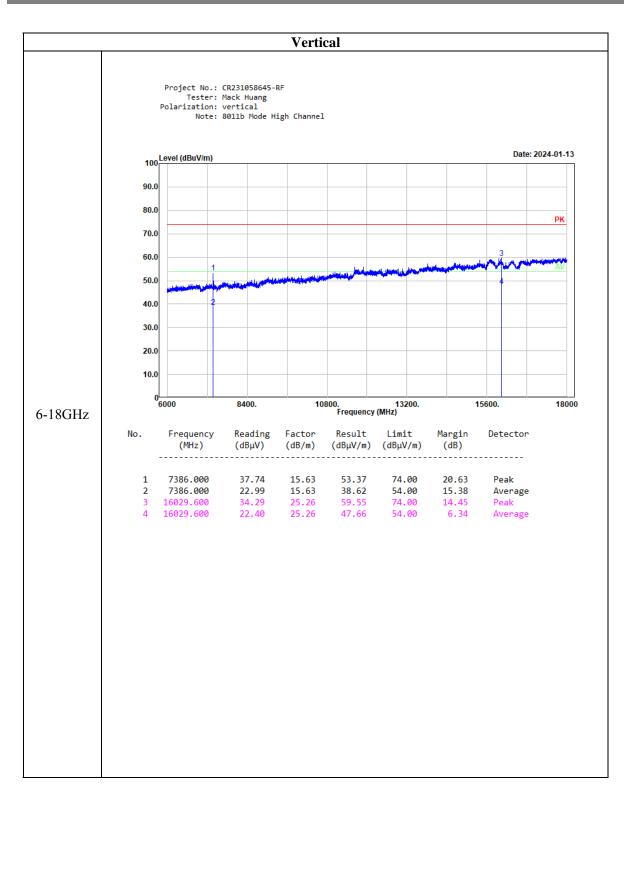




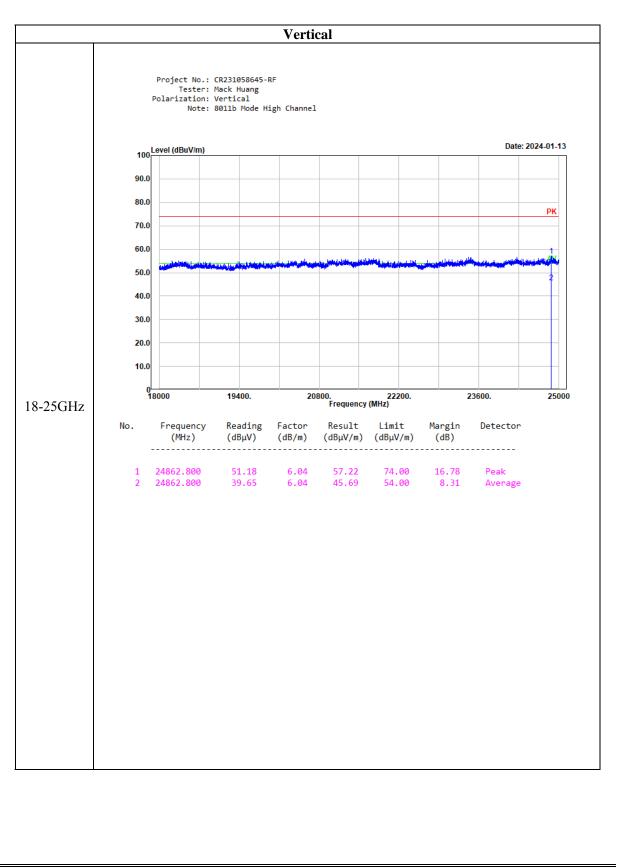
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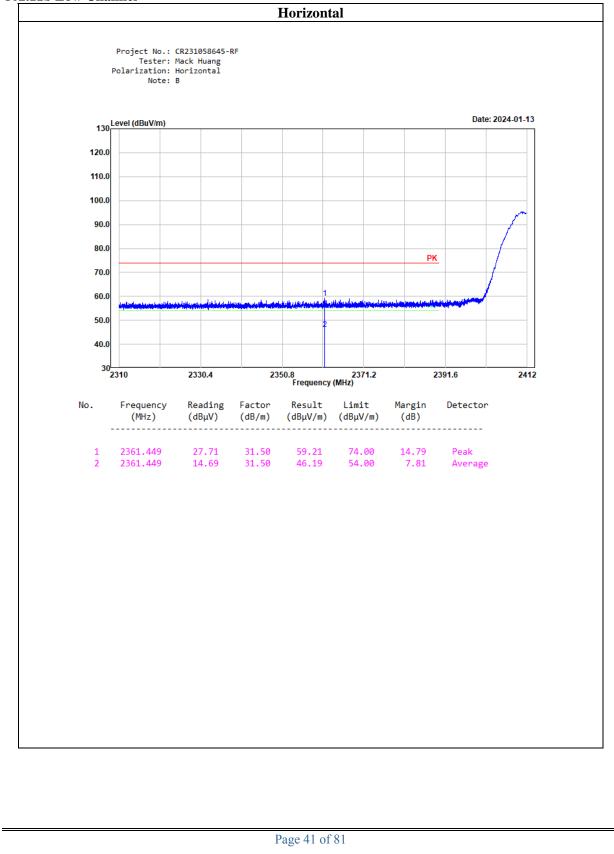
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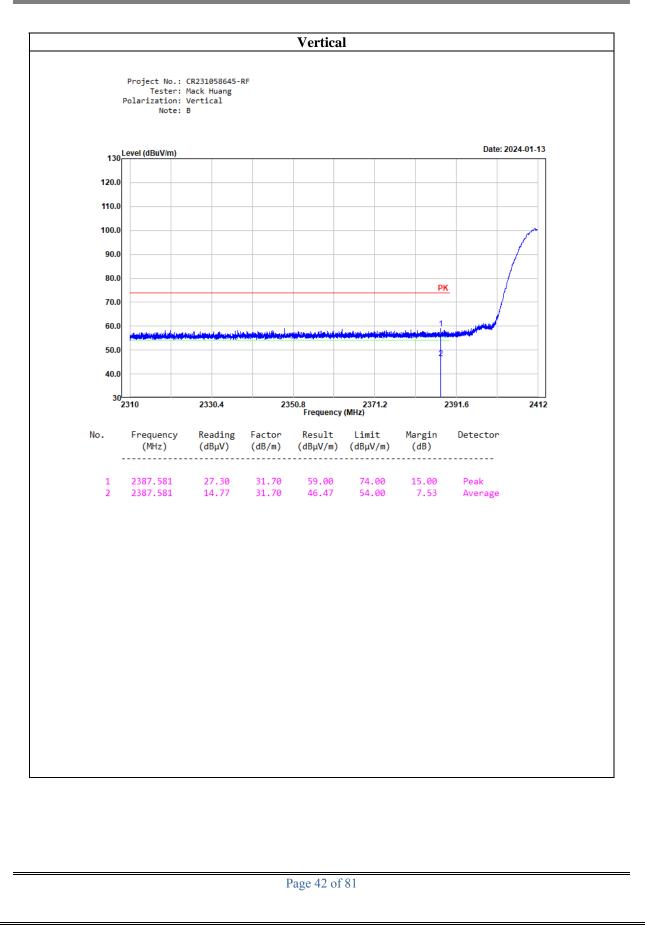


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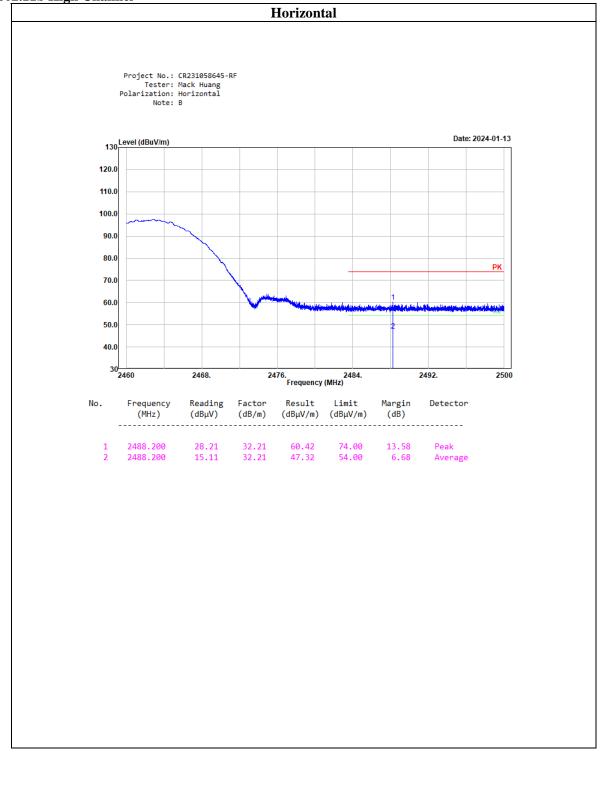
Report No.: CR231058645-00C

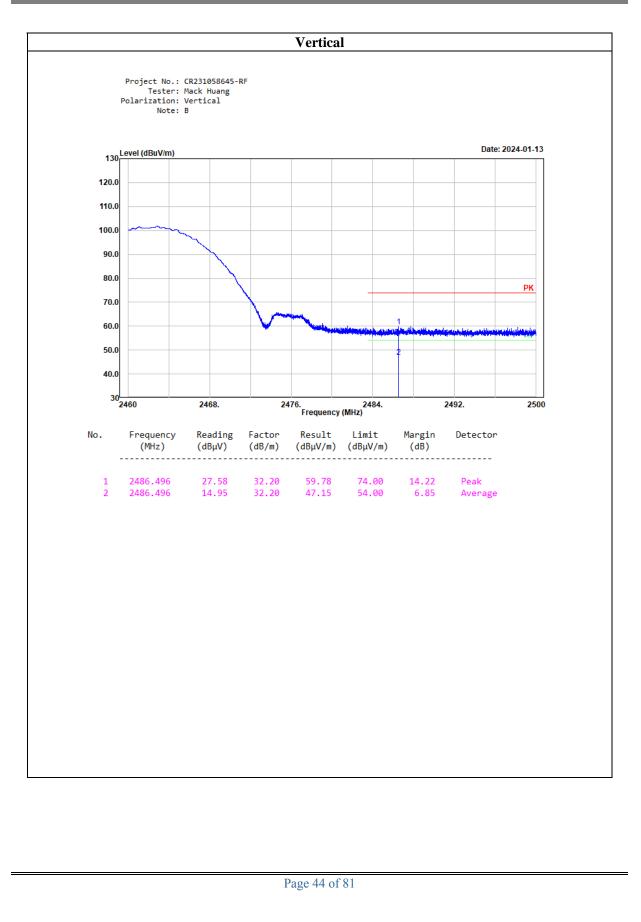
Band Edge Test Plots: 802.11b Low Channel



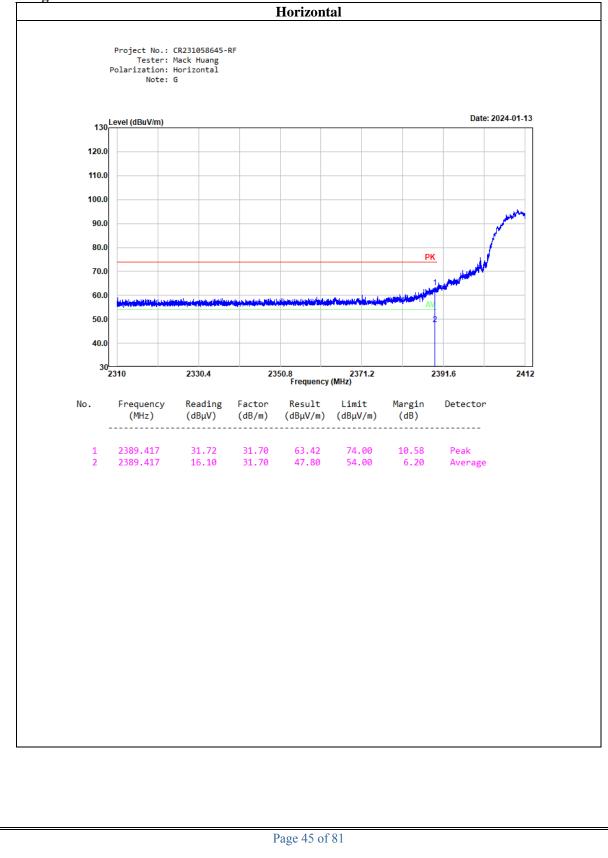


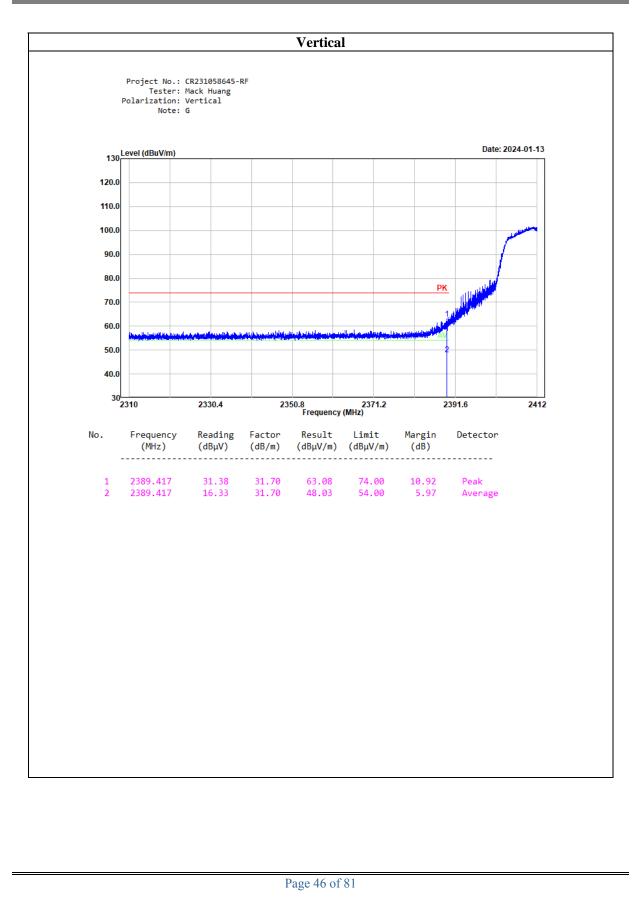
802.11b High Channel





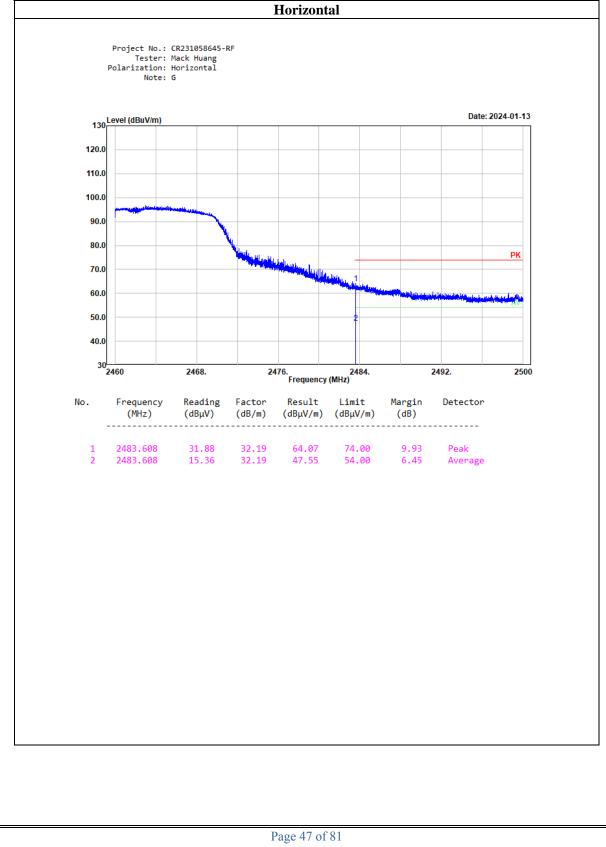
802.11g Low Channel

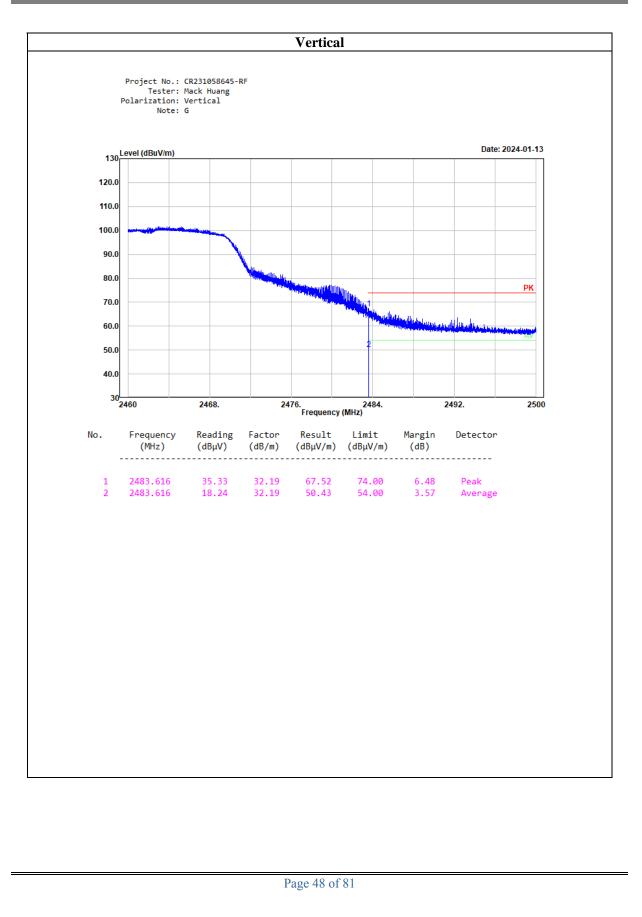




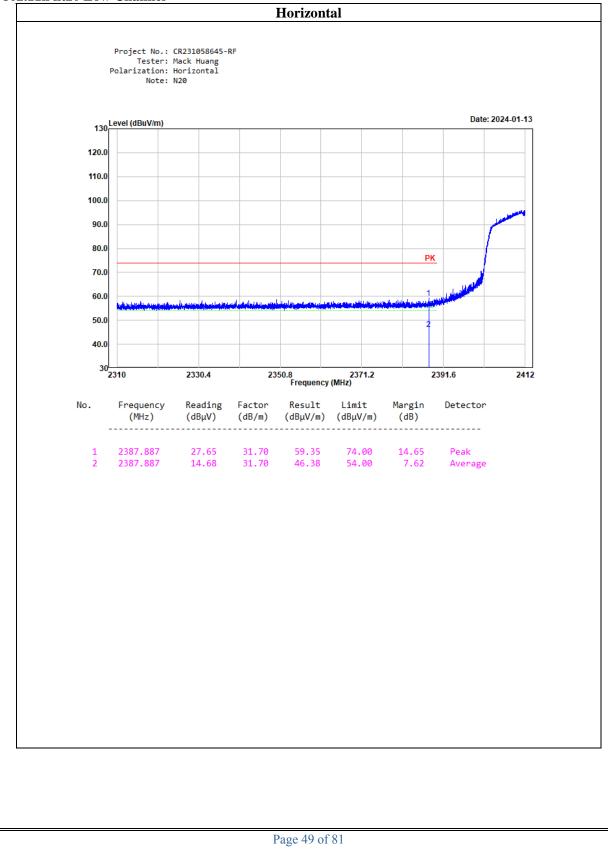
Report No.: CR231058645-00C

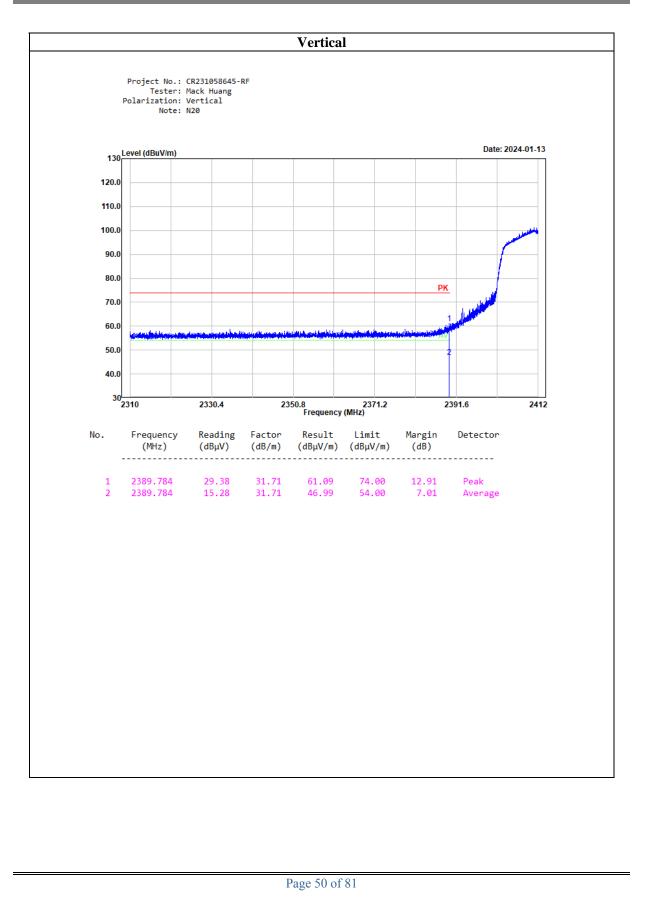
802.11g High Channel



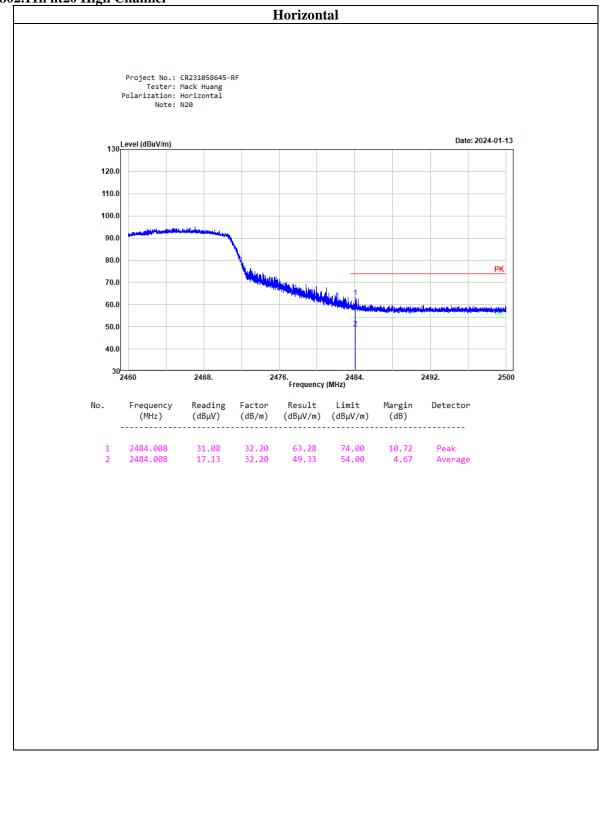


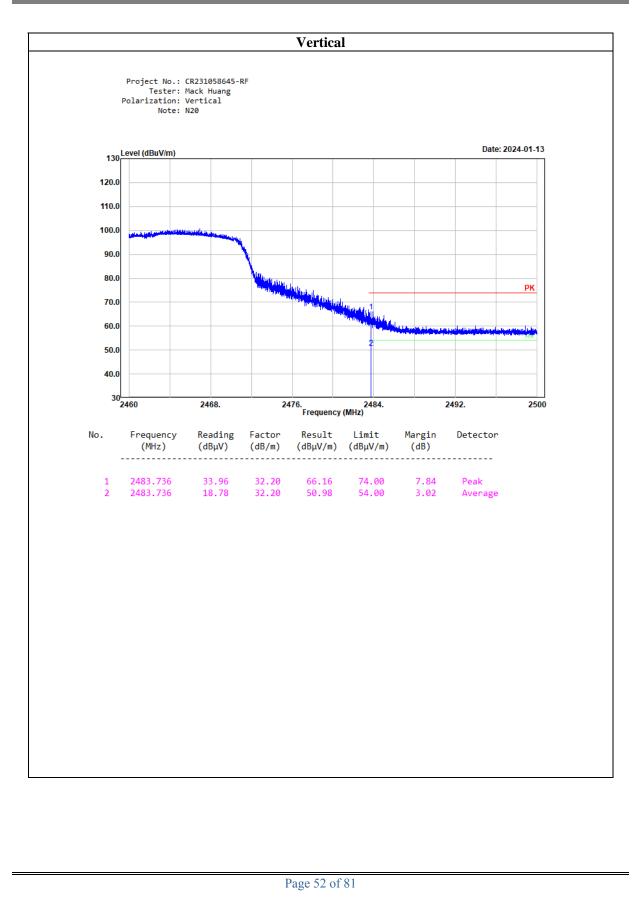
802.11n ht20 Low Channel



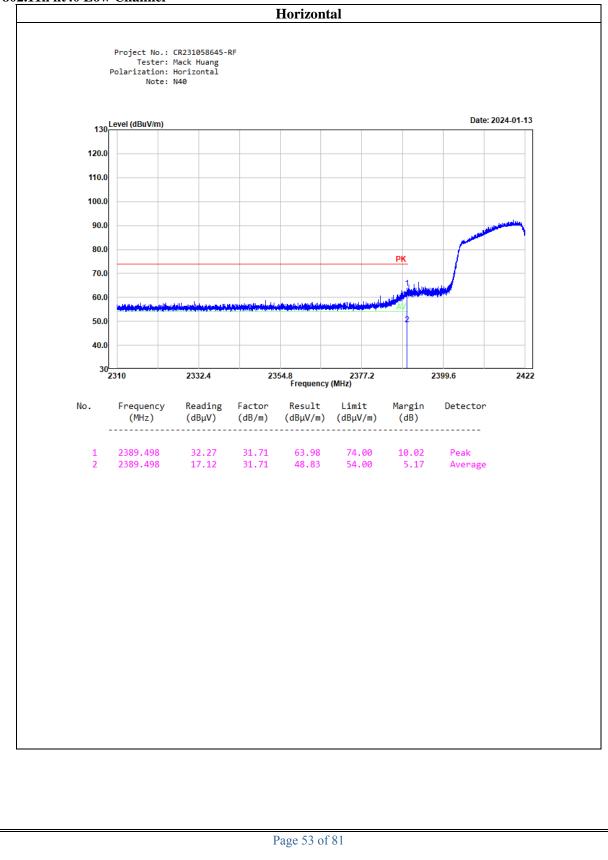


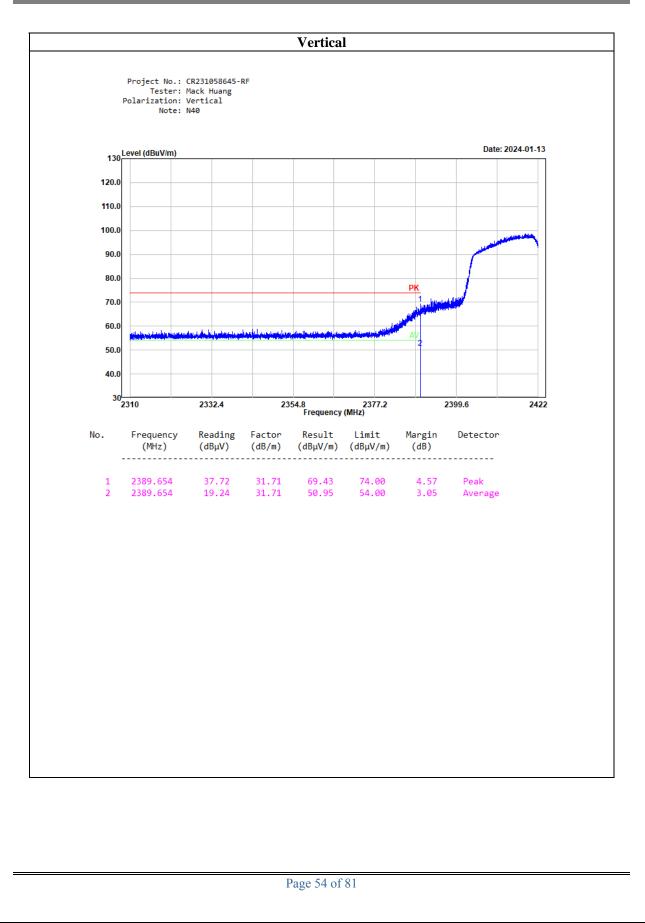
802.11n ht20 High Channel



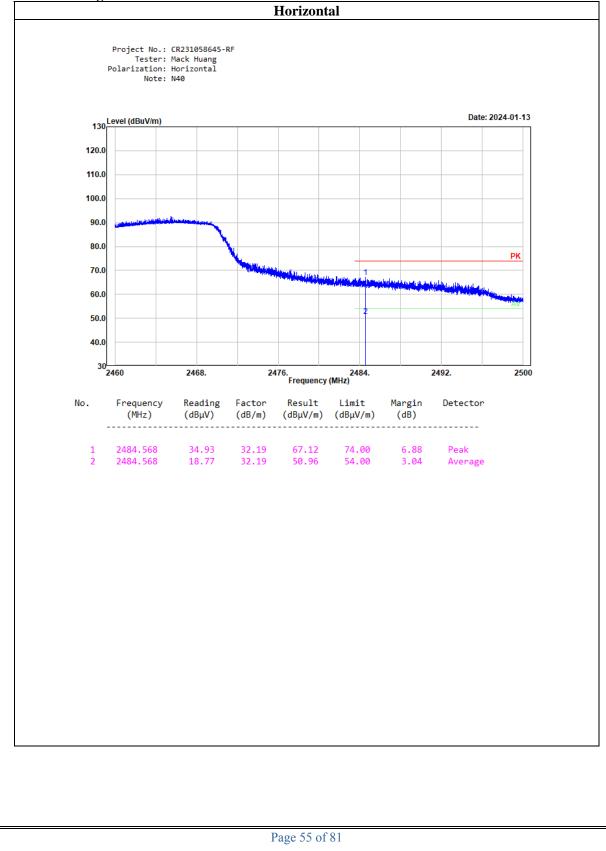


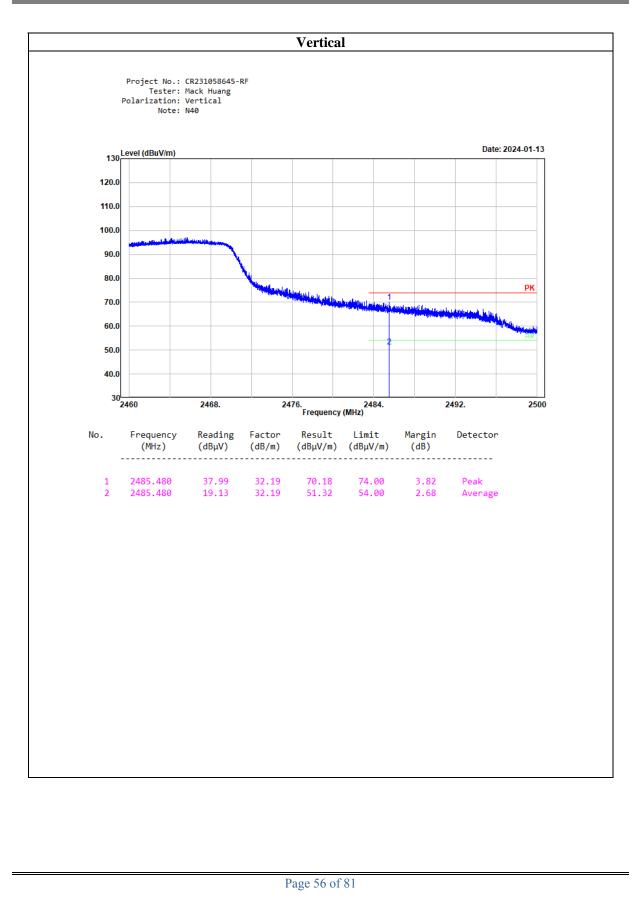
802.11n ht40 Low Channel





802.11n ht20 High Channel





4.3 Minimum 6 dB Emission Bandwidth

Serial Number:	2C04-3	Test Date:	2023/12/11
Test Site:	RF	Test Mode:	Transmitting
Tester:	Lingling Li	Test Result:	Pass

Environmental	Conditions:				
Temperature: (°C)	23	Relative Humidity: (%)	54	ATM Pressure: (kPa)	101.54

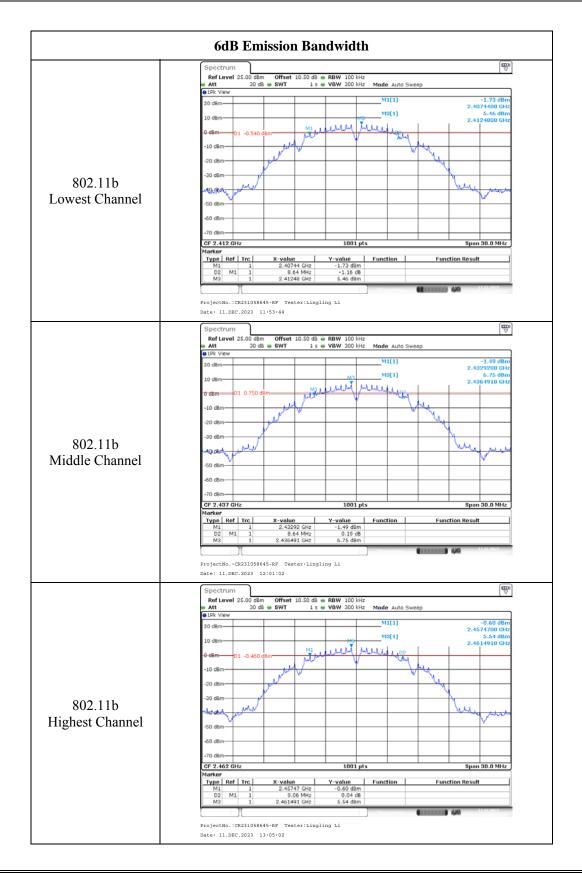
Test Equipment List and Details:

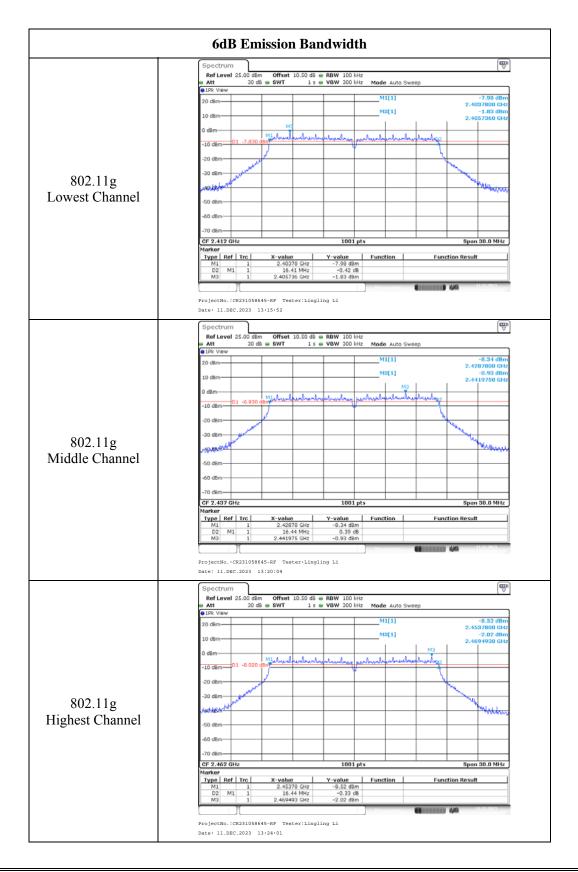
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101590	2022/11/25	2023/11/24
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	N/A

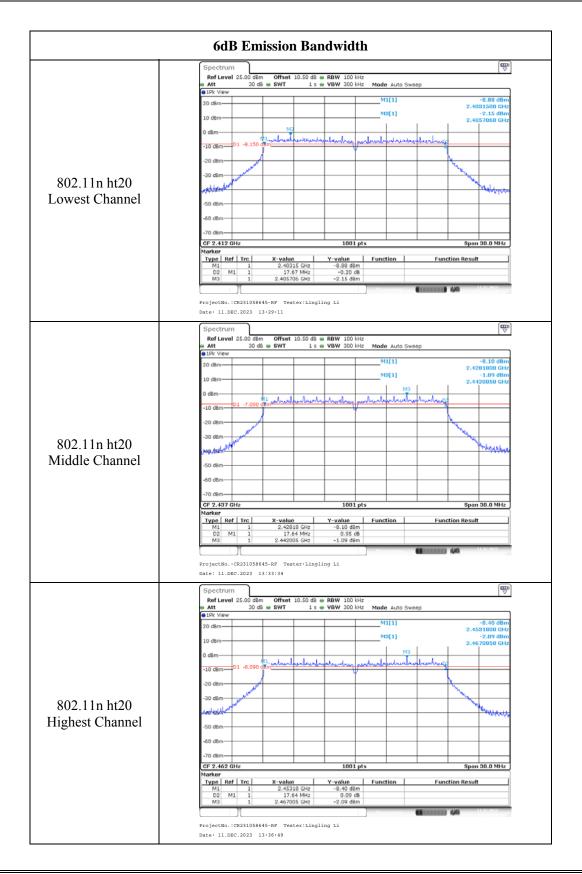
* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

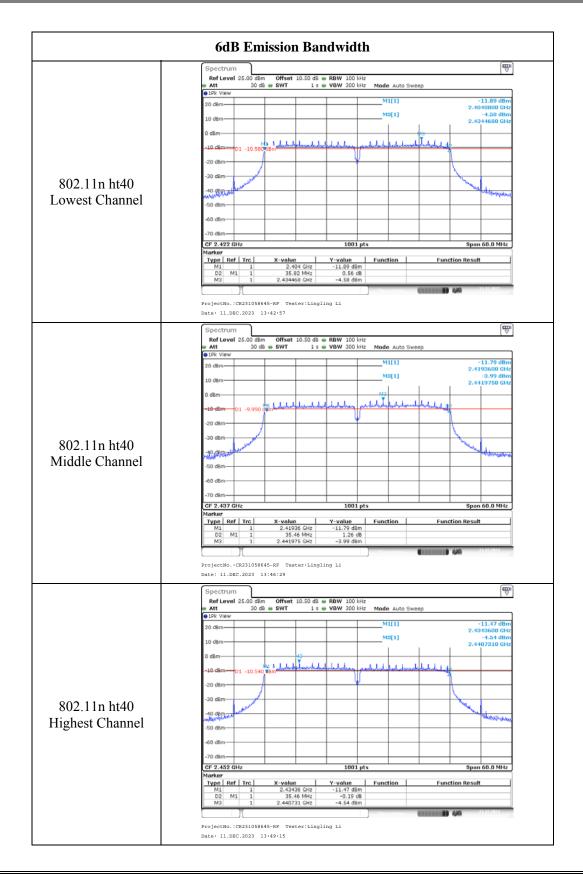
Test Data:

Test Modes	Test Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)
	2412	8.64	0.5
802.11b	2437	8.64	0.5
	2462	9.06	0.5
	2412	16.41	0.5
802.11g	2437	16.44	0.5
	2462	16.44	0.5
	2412	17.67	0.5
802.11n ht20	2437	17.64	0.5
	2462	17.64	0.5
	2422	35.82	0.5
802.11n ht40	2437	35.46	0.5
	2452	35.46	0.5









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4.4 99% Occupied Bandwidth

Serial Number:	2C04-3	Test Date:	2023/12/11
Test Site:	RF	Test Mode:	Transmitting
Tester:	Lingling Li	Test Result:	N/A

Environmental	Conditions:				
Temperature: (°C)	23	Relative Humidity: (%)	54	ATM Pressure: (kPa)	101.54

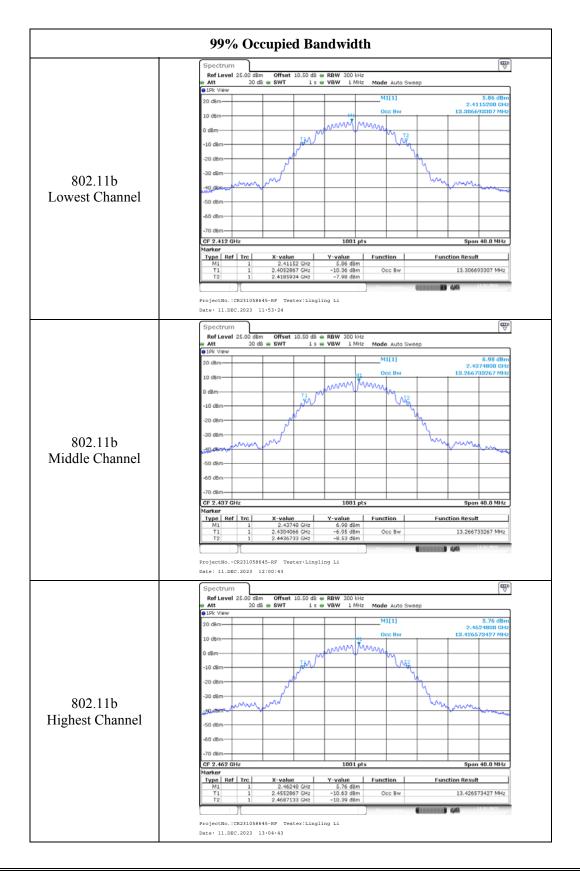
Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101590	2022/11/25	2023/11/24
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	N/A

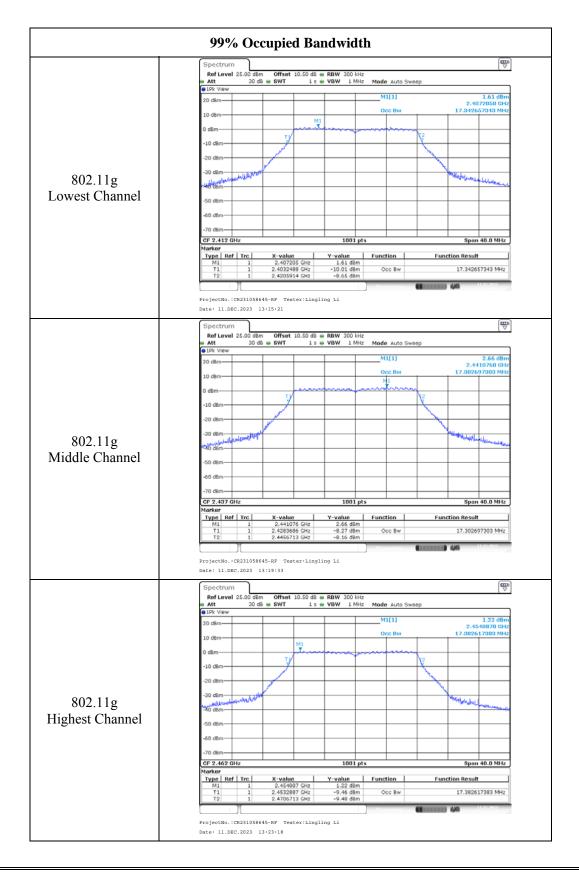
* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data:

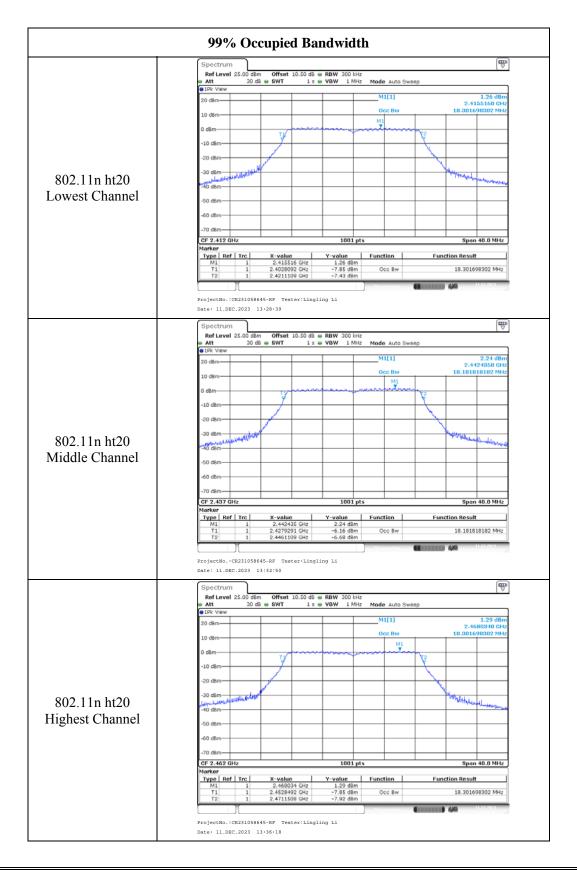
Test Modes	Test Channel	Test Frequency (MHz)	99% Occupied Bandwidth (MHz)
	Lowest	2412	13.307
802.11b	Middle	2437	13.267
	Highest	2462	13.427
	Lowest	2412	17.343
802.11g	Middle	2437	17.303
	Highest	2462	17.383
	Lowest	2412	18.302
802.11n ht20	Middle	2437	18.182
	Highest	2462	18.302
	Lowest	2422	36.603
802.11n ht40	Middle	2437	36.364
	Highest	2452	36.444

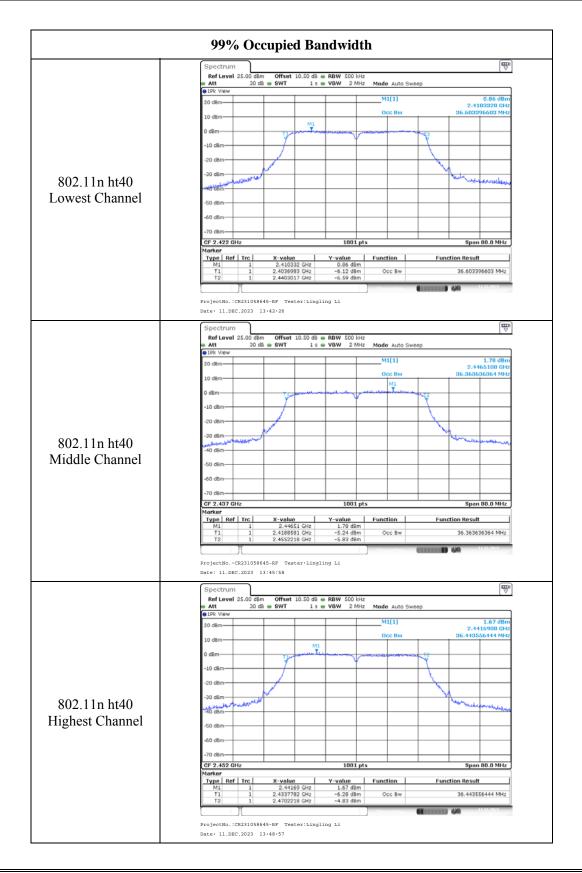


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4.5 Maximum Conducted Output Power

Serial Number:	2C04-3	Test Date:	2023/12/11
Test Site:	RF	Test Mode:	Transmitting
Tester:	Lingling Li	Test Result:	Pass

Environmental Conditions:						
Temperatu (ire: °C) 23	Rel	lative Humidity: (%)	54	ATM Pressure: (kPa)	101.54

Test Equipment List and Details:

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

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

Test Data:

Test Modes	Test Frequency (MHz)	Maximum Conducted Peak Output Power (dBm)	Maximum Conducted Average Output Power (dBm)	Limit (dBm)
	2412	16.99	13.96	30
802.11b	2437	18.13	15.05	30
	2462	16.91	13.89	30
	2412	15.96	9.17	30
802.11g	2437	17.08	10.23	30
	2462	15.89	9.1	30
	2412	16.05	9.25	30
802.11n ht20	2437	16.93	10.09	30
	2462	16.01	9.21	30
	2422	16.08	9.28	30
802.11n ht40	2437	16.75	9.92	30
	2452	16.27	9.46	30

4.6 Maximum Power Spectral Density

Serial Number:	2C04-3	Test Date:	2023/12/11
Test Site:	RF	Test Mode:	Transmitting
Tester:	Lingling Li	Test Result:	Pass

Environmental C	onditions:				
Temperature: (℃)	23	Relative Humidity: (%)	54	ATM Pressure: (kPa)	101.54

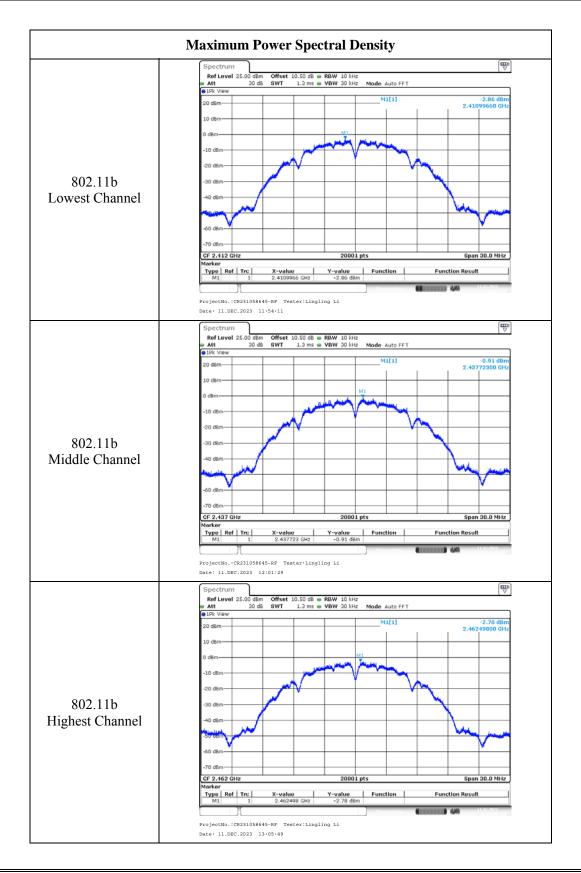
Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101590	2022-11-25	2023/11/24
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
eastsheep	Coaxial Attenuator	2W-SMA-JK- 18G	21060301	Each time	N/A

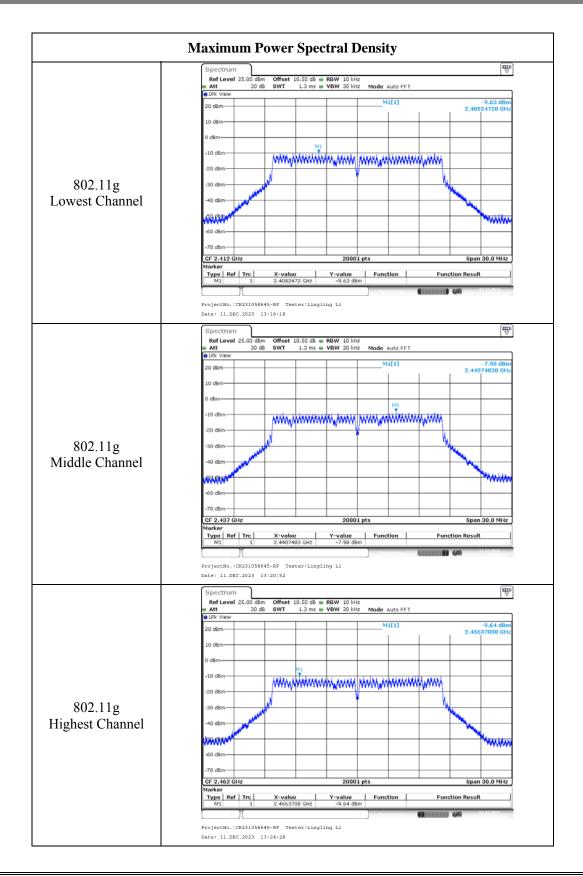
* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data:

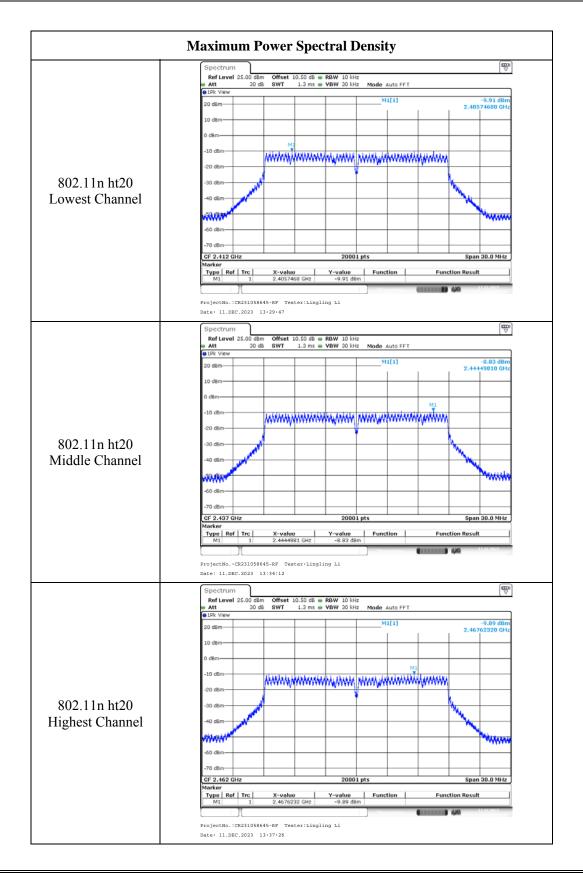
Test Channel	Test Frequency (MHz)	Power Spectral Density (dBm/10kHz)	Limit (dBm/3kHz)
	2412	-2.86	8.00
802.11b	2437	-0.91	8.00
	2462	-2.78	8.00
	2412	-9.63	8.00
802.11g	2437	-7.98	8.00
	2462	-9.64	8.00
	2412	-9.91	8.00
802.11n ht20	2437	-8.83	8.00
	2462	-9.89	8.00
	2422	-12.41	8.00
802.11n ht40	2437	-10.62	8.00
	2452	-11.17	8.00



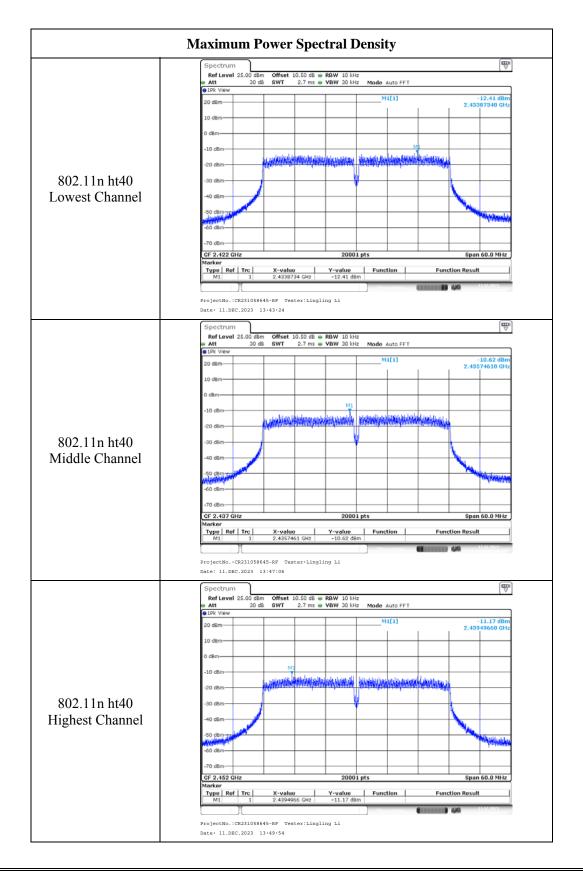
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4.7 100 kHz Bandwidth of Frequency Band Edge

Serial Number:	2C04-3	Test Date:	2023/12/11
Test Site:	RF	Test Mode:	Transmitting
Tester:	Lingling Li	Test Result:	Pass

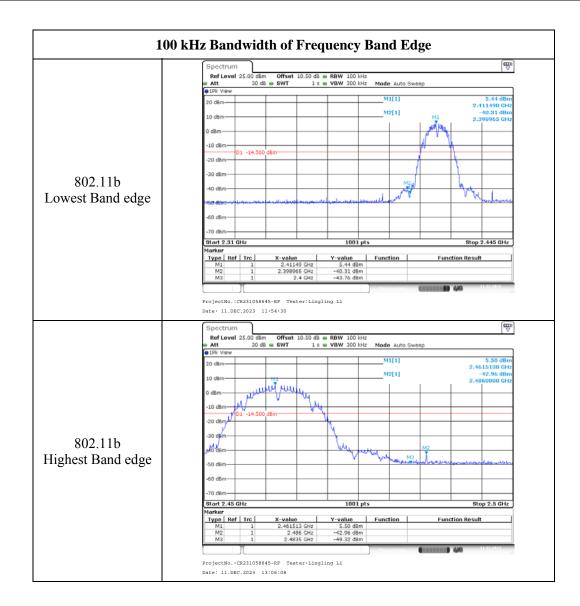
Environmental	Conditions:				
Temperature: (°C)	23	Relative Humidity: (%)	54	ATM Pressure: (kPa)	101.54

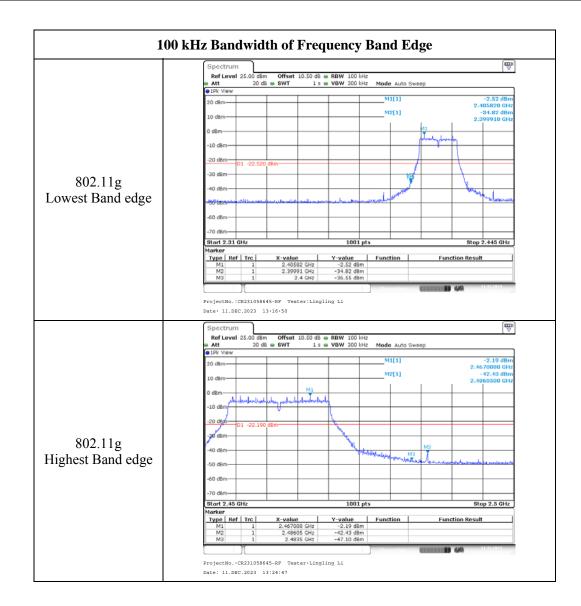
Test Equipment List and Details:

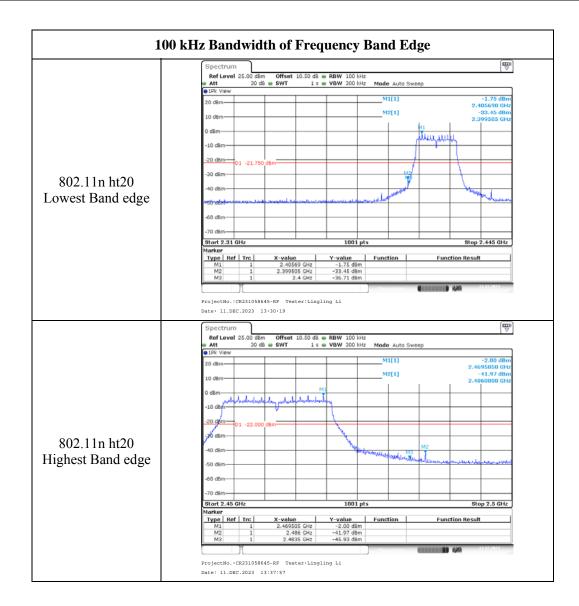
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101590	2022/11/25	2023/11/24
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	N/A

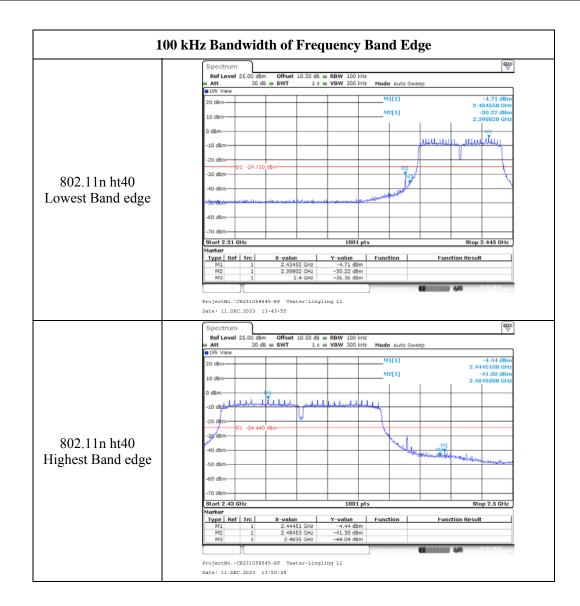
* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data:









4.8 Duty Cycle

ſ	Serial Number:	2C04-3	Test Date:	2023/12/11
ſ	Test Site:	RF	Test Mode:	Transmitting
	Tester:	Lingling Li	Test Result:	N/A

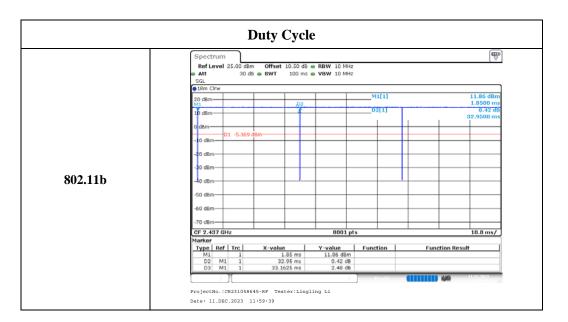
Environmental	Conditions:				
Temperature:	23	Relative Humidity: (%)	54	ATM Pressure: (kPa)	101.54

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101590	2022/11/25	2023/11/24
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 Modes	Ton (ms)	Ton+off (ms)	Duty cycle (%)	1/T (Hz)	VBW Setting (dB)
802.11b	32.95	33.1625	99.36	/	0.01
802.11g	5.4825	5.6825	96.48	182	0.2
802.11n ht20	5.0775	5.28	96.16	197	0.2
802.11n ht40	2.47	2.67	92.51	405	0.5



I	
	Spectrum 🕎
	Ref Level 25.00 dBm Offset 10.50 dB RBW 10 MHz ■ Att 30 dB ● SWT 20 ms ● VBW 10 MHz
	SGL IRm Cirw
	20 dBm M1[1] 7.77 dBm 4.97250 ms
	10.48m M1 D211 - 1.59 dB
	0 dBm
	-10 d8m-01 -10.235 d8m-
	-20 dBm
	-30 dBm
802.11g	-40 dBm
002.11g	
	-S0 dBm
	-60 dBm
	-70 dBm CF 2.437 GHz 8001 pts 2.0 ms/
	Marker
	Type Ref Trc X-value Y-value Function Function Result M1 1 4.9725 ms 7.77 dBm
	D2 M1 1 5.4825 ms -1.59 dB D3 M1 1 5.6825 ms 0.25 dB
	Predy (111111) 4/4 11.12/322
	ProjectNo.:CR231058645-RF Tester:Lingling Li
	Date: 11.DEC.2023 13:18:05
	Spectrum 🕎
	Ref Level 25.00 dBm Offset 10.50 dB RBW 10 MHz Att 30 dB SWT 20 ms VBW 10 MHz
	SGL
	© 18m Cirw 20 dBm
	20 deni 10 dBm 602 02[1] 77.50 µ5 0 dBm 602
	-10.dBm 01 -11.070 dBm
	-20 dBm
000 11 1 (00	-30 dBm
802.11n ht20	-40 dbm
	-50 dBm
	-60 dBm
	-70 dBm
	CF 2.437 GHz 8001 pts 2.0 ms/ Marker
	Type Ref Trc X-value Y-value Function Function Result M1 1 77.5 µs 7.04 dBm Function Function Function
	D2 M1 1 5.0775 ms -0.66 dB D3 M1 1 5.28 ms -0.13 dB
	Peerdy (1102-02)
	ProjectNo.:CR231058645-RF Tester:Lingling Li
	Date: 11.DEC.2023 13:31:34
	Spectrum 🕎
	Ref Level 25.00 dBm Offset 10.50 dB RBW 10 MHz
	RefLevel 25.00 dBm Offset 10.50 dB RBW 10 MHz ➡ Att 30 dB ■ SWT 20 ms ■ VBW 10 MHz SGL
	Ref Level 25.00 dBm Offset 10.50 dB ⊕ RBW 10 MHz ● Att 30 dB ⊕ SWT 20 ms ⊕ VBW 10 MHz SGL
	Ref Level 25.00 dBm Offset 10.50 dB RBW 10 MHz Att 30 dB SWT 20 mS VBW 10 MHz SGL 91Rm Cirw
	Ref Level 25.00 dBm Offset 10.50 dB RBW 10 MHz SGL SGL SGL 10 MHz 9 18m Clrw 0 dBm M1[1] -7.77 dBm 20 dBm 0 dBm D2[1] 3.25 dB 10 dBm 03 02(1) 2.24700 ms
	Ref Level 25.00 dBm Offset 10.50 dB = RBW 10 MHz SGL 30 dB = SWT 20 ms = VBW 10 MHz SGL 918m Clrw -7.77 dBm 20 dBm 0 dBm 0.25 dB 10 dBm 0.27.77 dBm 0 dBm 0.27.77 dBm 10 dBm 0.27.71 dBm 0 dBm 0.27.71 dBm
	Ref Level 25.00 dBm Offset 10.50 dB = RBW 10 MHz SGL 30 dB = SWT 20 ms = VBW 10 MHz SGL 918m Clrw -7.77 dBm 20 dBm 0 dBm 0.2 (1) -3.25 dB 10 dBm 0 dBm 2.47000 mm 2.47000 mm 10 dBm 0 dBm 0 dBm 0 dBm 0 dBm 10 dBm 0 dBm 0 dBm 0 dBm 0 dBm
	Ref Level 25.00 dBm Offset 10.50 dB = RBW 10 MHz SGL 30 dB = SWT 20 ms = VBW 10 MHz SGL 918m Clrw -7.77 dBm 20 dBm 0 dBm 02(1) -9.25 dB 10 dBm 02(1) -9.25 dB -9.25 dB -10 dBm 01 -13.896 dBm 01 -13.896 dBm 0 0
	Ref Level 25.00 dim Offset 10.50 di e RBW 10 MHz SGL 30 dB e SWT 20 ms e VBW 10 MHz SGL 918m Cliw -7.77 dBm 20 dBm 0 dBm 02(1) -7.77 dBm 10 dBm 02(1) -9.25 dB -9.25 dB -10 dBm 01 -13.896 dBm 01 -13.896 dBm 0 0
802.11n ht40	Ref Level 25.00 dBm Offset 10.50 dB = RBW 10 MHz SGL 30 dB = SWT 20 ms = VBW 10 MHz SGL 918m Clrw -7.77 dBm 20 dBm 0 dBm 02(1) -9.25 dB 10 dBm 02(1) -9.25 dB -9.25 dB -10 dBm 01 -13.896 dBm 01 -13.896 dBm 0 0
802.11n ht40	Ref Level 25.00 dim Offset 10.50 di e RBW 10 MHz SGL 30 dB e SWT 20 ms e VBW 10 MHz SGL 918m Cliw -7.77 dBm 20 dBm 0 dBm 02(1) -7.77 dBm 10 dBm 02(1) -9.25 dB -9.25 dB -10 dBm 01 -13.896 dBm 01 -13.896 dBm 0 0
802.11n ht40	Ref Lavel 25.00 dim Offset 10.50 di e RBW 10 Miz Att 30 dB e SWT 20 ms e VBW 10 Miz SGL 5GL 30 dB e SWT 20 ms e VBW 10 Miz 912m Clive
802.11n ht40	Ref Lavel 25.00 dlm Offset 10.50 dll = RBW 10 Miz Att 30 dB = SWT 20 ms = VSW 10 MHz SGL 912m Clive -7.77 dBm 20 dBm
802.11n ht40	Ref Lavel 25.00 dlm Offset 10.50 dll = RBW 10 MHz Att 30 dll = BWT 20 ms = VBW 10 MHz SGL 919m Cliw -7.77 dllm 20 dll - D2[1] -2.27 dllm 10 dll - D2[1] -2.25 dll -10 dll - D1-13.996 dllm -0 -20 dll - Clim -0 -30 dll - Clim -0 -70 dllm -0 -70 dllm -0.21 gll
802.11n ht40	Ref Lavel 25.00 dim Offset 10.50 dii e RBW 10 MHz Att 30 dii e BWT 20 mi e VBW 10 MHz SGL 30 dii e BWT 20 mi e VBW 10 MHz SGL 0 dim -7.77 dim 20 dim
802.11n ht40	Ref Lavel 25.00 dlm Offset 10.50 dll = RBW 10 MHz Att 30 dll = BWT 20 ms = VBW 10 MHz SGL 9 IPm Clive -7.77 dllm 20 dll - D2[1] -2.27 dllm 10 dll - D2[1] -2.27 dllm 10 dll - D2[1] -2.28 dll -10 dll - D1 - 13.996 dllm -0 -20 dll - D1 - 13.996 dllm -0 -30 dll - D1 - 13.996 dllm -0 -70 dlll 1 <t< td=""></t<>
802.11n ht40	Ref Lavel 25.00 dim Offset 10.50 dil e RBW 10 Miz SGL 30 db e SWT 20 ms e VBW 10 Miz SGL 912m Cliw -7.77 dim 20 dbm 0 dbm 0.23 zdl 10 dbm 0.24700 ms 24700 ms 0 dbm 0.24700 ms 24700 ms 0 dbm 0.24700 ms 24700 ms 0 dbm 0.3 zdl -7.77 dbm -10 dbm 0.1.3.996 dbm -7.77 dbm -20 dbm -1.3.996 dbm -7.77 dbm -30 dbm -1.3.996 dbm -7.77 dbm -20 dbm -1.3.996 dbm -7.97 dbm -30 dbm -1.3.996 dbm -7.97 dbm -20 dbm -1.3.996 dbm -7.97 dbm -30 dbm -1.3.996 dbm -7.97 dbm -70 dbm -7.97 dbm -7.97 dbm -70 dbm -7.77 dbm -7.77 dbm -70 dbm -7.77 dbm -7.77 dbm -70 dbm -1.675 ms -7.77 dbm -7.87 mi -7.27 dbm -7.77 dbm -70 dbm -1.675 ms
802.11n ht40	Ref Lavel 25.00 dlm Offset 10.50 dll = RBW 10 MHz Att 30 dll = BWT 20 ms = VBW 10 MHz SGL 9 IPm Clive -7.77 dllm 20 dll - D2[1] -2.27 dllm 10 dll - D2[1] -2.27 dllm 10 dll - D2[1] -2.28 dll -10 dll - D1 - 13.996 dllm -0 -20 dll - D1 - 13.996 dllm -0 -30 dll - D1 - 13.996 dllm -0 -70 dlll 1 <t< td=""></t<>

5. EUT PHOTOGRAPHS

Please refer to the attachment CR231058645-EXP EUT EXTERNAL PHOTOGRAPHS and CR231058645-INP EUT INTERNAL PHOTOGRAPHS.

6. TEST SETUP PHOTOGRAPHS

Please refer to the attachment CR231058645-00C-TSP TEST SETUP PHOTOGRAPHS.

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