# **FCC TEST REPORT**

FCC ID: 2AD2W-LUMA500

**Report No.** : SSP24110368-3E

**Applicant**: C&A Marketing Inc.

**Product Name** : Projector

Model Name : RODPJS500

**Test Standard** : FCC Part 15 Subpart E

**Date of Issue** : 2025-01-02

### Shenzhen CCUT Quality Technology Co., Ltd.

1F, Building 35, Changxing Technology Industrial Park, Yutang Street, Guangming District, Shenzhen, Guangdong, China; (Tel.:+86-755-23406590 website: www.ccuttest.com)

This test report is limited to the above client company and the product model only. It may not be duplicated without prior permitted by Shenzhen CCUT Quality Technology Co., Ltd.

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## **Test Report Basic Information**

Applicant..... C&A Marketing Inc. Manufacturer..... C&A Marketing Inc. Address of Manufacturer....: 114 Tived Lane East, Edison, NJ, United States, 08837 Product Name ...... Projector Brand Name..... Main Model..... RODPJS500 Series Models..... RODPJS500B, RODPJS500K, RODPJS500BK FCC Part 15 Subpart E KDB 789033 D02 v02r01 ANSI C63.4-2014 **Test Standard**...... ANSI C63.10-2013 Test Result...... PASS (Coke Huang) (Lieber Ouyang) (Lahm Peng) Authorized Signatory.....

Note: This test report is limited to the above client company and the product model only. It may not be duplicated without prior permitted by Shenzhen CCUT Quality Technology Co., Ltd.. All test data presented in this test report is only applicable to presented test sample.

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Revision	Issue Date	Description	Revised By
V1.0	2025-01-02	Initial Release	Lahm Peng

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## 1. General Information

## 1.1 Product Information

Product Name:	Projector
Trade Name:	-
Main Model:	RODPJS500
Series Models:	RODPJS500B, RODPJS500K, RODPJS500BK
Rated Voltage:	DC 11.1V by battery, DC 15V/1.5A by adapter Charing
Power Adapter:	INPUT: 100-240V~50/60Hz, 1.5A, OUTPUT:5V-3A, 15W, 9V-3A, 27W, 12V-3A,
rower Adapter:	36W, 15V=3A, 45W, 20V=2.25A, 45W
Battery:	DC 11.1V, 3500mAh
Test Sample No:	SSP24110368-1
Hardware Version:	V1.0
Software Version:	V1.0

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Note 1: The test data is gathered from a production sample, provided by the manufacturer.

Note 2: The color of appearance and model name of series models listed are different from the main model, but the circuit and the electronic construction are the same, declared by the manufacturer.

Wireless Specification				
	802.11a(HT20)			
Wireless Standard:	802.11n(HT20/HT40)			
	802.11ac(VHT20/VHT40/VHT80)			
	802.11a/n/ac(HT/VHT20):			
	U-NII Band 1: 5180MHz to 5240MHz			
	U-NII Band 4: 5745MHz to 5825MHz			
	802.11n/ac(HT/VHT40):			
Operating Frequency:	U-NII Band 1: 5190MHz to 5230MHz			
	U-NII Band 4: 5755MHz to 5795MHz			
	802.11ac(HT/VHT80):			
	U-NII Band 1: 5210MHz			
	U-NII Band 4: 5775MHz			
	802.11a/n/ac(HT/VHT20): 4 for Band 1, 5 for Band 4			
Number of Channel:	802.11n/ac(HT/VHT40): 2 for Band 1, 2 for Band 4			
	802.11ac(VHT80): 1 for Band 1, 1 for Band 4			
Modulation:	OFDM(BPSK, QPSK, BPSK, 16QAM, 64QAM, 256QAM)			
Antenna Gain:	ANT1:4.69dBi, ANT2:4.86dBi			
Type of Antenna:	FPCB Antenna			
Type of Device:	☐ Portable Device ☐ Modular Device			
Note: The EUT incorporates a	MIMO function.			

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Channel List for UNII Band 1 (5150-5250MHz)							
802.11a/n/ac(20MHz) 802.11n/ac(40MHz) 802.11ac(80MHz)				(80MHz)			
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	<u>5180</u>	44	5220	38	<u>5190</u>	42	<u>5210</u>
40	<u>5200</u>	48	<u>5240</u>	46	5230		

Channel List for UNII Band 4 (5725-5850MHz)							
802.11a/n/	02.11a/n/ac(20MHz) 802.11n/ac(40MHz) 802.11ac(80MHz)		802.11n/ac(40MHz) 802.11ac(80MHz)		(160	MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	<u>5745</u>	151	<u>5755</u>	155	<u>5775</u>		
153	5765	159	<u>5795</u>				
157	<u>5785</u>						
161	5805						
165	<u>5825</u>						

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## 1.2 Test Setup Information

List of Test Mo	odes			
Test Mode		Description	Remark	
TM1	UNII B	and 1_802.11a(HT20)	5180MHz/5200	MHz/5240MHz
TM2	UNII B	and 1_802.11n(HT20)	5180MHz/5200	MHz/5240MHz
TM3	UNII B	and 1_802.11n(HT40)	5190MHz,	/5230MHz
TM4	UNII Ba	nd 1_802.11ac(VHT20)	5180MHz/5200	MHz/5240MHz
TM5	UNII Ba	nd 1_802.11ac(VHT40)	5190MHz,	/5230MHz
TM6	UNII Ba	nd 1_802.11ac(VHT80)	5210	MHz
TM7	UNII B	and 4_802.11a(HT20)	5745MHz/5785	MHz/5825MHz
TM8	UNII B	and 4_802.11n(HT20)	5745MHz/5785	MHz/5825MHz
TM9	UNII B	I Band 4_802.11n(HT40) 5755MHz/5795MHz		/5795MHz
TM10	UNII Ba	nd 4_802.11ac(VHT20)	5745MHz/5785MHz/5825MHz	
TM11	UNII Ba	nd 4_802.11ac(VHT40)	5755MHz,	/5795MHz
TM12	UNII Band 4_802.11ac(VHT80)		5775	MHz
List and Detai	ls of Auxiliary	/ Cable		
Descri	ption	Length (cm)	Shielded/Unshielded	With/Without Ferrite
-		-	-	-
-				
List and Details of Auxiliary Equipment				
Descri	ption	Manufacturer	Model	Serial Number
-		-	-	-
_		-	-	-

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## 1.3 Compliance Standards

Compliance Standards		
ECC Don't 15 Cubport E	FEDERAL COMMUNICATIONS COMMISSION, RADIO FREQUENCY DEVICES,	
FCC Part 15 Subpart E	Unlicensed National Information Infrastructure Devices	
All measurements contained in this	report were conducted with all above standards	
According to standards for test	methodology	
ECC Don't 15 Cubport E	FEDERAL COMMUNICATIONS COMMISSION, RADIO FREQUENCY DEVICES,	
FCC Part 15 Subpart E	Unlicensed National Information Infrastructure Devices	
	GUIDELINES FOR COMPLIANCE TESTING OF	
KDB 789033 D02 v02r01	UNLICENSED NATIONAL INFORMATION INFRASTRUCTURE (U-NII) DEVICES	
	PART 15, SUBPART E	
	American National Standard for Methods of Measurement of Radio-Noise Emissions	
ANSI C63.4-2014	from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 $$	
	GHz.	
ANSI C63.10-2013	American National Standard of Procedures for Compliance Testing of Unlicensed	
ANSI C03.10-2013	Wireless Devices	
Maintenance of compliance is the re	esponsibility of the manufacturer or applicant. Any modification of the product, which	

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Maintenance of compliance is the responsibility of the manufacturer or applicant. Any modification of the product, which result is lowering the emission, should be checked to ensure compliance has been maintained.

## 1.4 Test Facilities

	Shenzhen CCUT Quality Technology Co., Ltd.			
Laboratory Name:	1F, Building 35, Changxing Technology Industrial Park, Yutang Street,			
	Guangming District, Shenzhen, Guangdong, China			
CNAS Laboratory No.:	L18863			
A2LA Certificate No.:	6893.01			
FCC Registration No:	583813			
ISED Registration No.:	CN0164			
All measurement facilities used to collect the measurement data are located at 1F, Building 35, Changxing				

All measurement facilities used to collect the measurement data are located at 1F, Building 35, Changxing Technology Industrial Park, Yutang Street, Guangming District, Shenzhen, Guangdong, China.

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## 1.5 List of Measurement Instruments

Description	Manufacturer	Model	Serial Number	Cal. Date	Due. Date		
	Conducted Emissions						
AMN	ROHDE&SCHWARZ	ENV216	101097	2024-08-07	2025-08-06		
EMI Test Receiver	ROHDE&SCHWARZ	ESPI	100242	2024-08-07	2025-08-06		
Test Cable	N/A	Cable 5	N/A	2024-08-07	2025-08-06		
EMI Test Software	FARA	EZ-EMC	EMEC-3A1+	N/A	N/A		
		Radiated Emission	ıs				
EMI Test Receiver	ROHDE&SCHWARZ	ESPI	100154	2024-08-07	2025-08-06		
Spectrum Analyzer	KEYSIGHT	N9020A	MY48030972	2024-08-07	2025-08-06		
Spectrum Analyzer	ROHDE&SCHWARZ	FSV40-N	101692	2024-08-07	2025-08-06		
Amplifier	SCHWARZBECK	BBV 9743B	00251	2024-08-07	2025-08-06		
Amplifier	HUABO	YXL0518-2.5-45		2024-08-07	2025-08-06		
Amplifier	COM-MW	DLAN-18G-4G-02	10229104	2024-08-07	2025-08-06		
Loop Antenna	DAZE	ZN30900C	21104	2024-08-03	2025-08-02		
Broadband Antenna	SCHWARZBECK	VULB 9168	01320	2024-08-03	2025-08-02		
Horn Antenna	SCHWARZBECK	BBHA 9120D	02553	2024-08-03	2025-08-02		
Horn Antenna	COM-MW	ZLB7-18-40G-950	12221225	2024-08-03	2025-08-02		
Attenuator	QUANJUDA	6dB	220731	2024-08-07	2025-08-06		
Test Cable	N/A	Cable 1	N/A	2024-08-07	2025-08-06		
Test Cable	N/A	Cable 2	N/A	2024-08-07	2025-08-06		
Test Cable	N/A	Cable 3	N/A	2024-08-07	2025-08-06		
Test Cable	N/A	Cable 4	N/A	2024-08-07	2025-08-06		
Test Cable	N/A	Cable 8	N/A	2024-08-07	2025-08-06		
Test Cable	N/A	Cable 9	N/A	2024-08-07	2025-08-06		
EMI Test Software	FARA	EZ-EMC	FA-03A2 RE+	N/A	N/A		
Conducted RF Testing							
RF Test System	MWRFTest	MW100-RFCB	220418SQS-37	2024-08-07	2025-08-06		
Spectrum Analyzer	KEYSIGHT	N9020A	ATO-90521	2024-08-07	2025-08-06		
RF Test Software	MWRFTest	MTS 8310	N/A	N/A	N/A		
Laptop	Lenovo	ThlnkPad E15 Gen 3	SPPOZ22485	N/A	N/A		
DUT Test Software	Microsoft	Command Prompt	N/A	N/A	N/A		

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## 1.6 Measurement Uncertainty

Test Item	Conditions	Uncertainty
Conducted Emissions	9kHz ~ 30MHz	±1.64 dB
	9kHz ~ 30MHz	±2.88 dB
Radiated Emissions	30MHz ∼ 1GHz	±3.32 dB
Radiated Emissions	1GHz ~ 18GHz	±3.50 dB
	18GHz ~ 40GHz	±3.66 dB
Conducted Output Power	9kHz ~ 26GHz	±0.50 dB
Occupied Bandwidth	9kHz ~ 26GHz	±4.0 %
Conducted Spurious Emission	9kHz ~ 26GHz	±1.32 dB
Power Spectrum Density	9kHz ~ 26GHz	±0.62 dB

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# 2. Summary of Test Results

FCC Rule	Description of Test Item	Result
FCC Part 15.203	Antenna Requirement	Passed
FCC Part 15.247(f)	RF Exposure(see the RF exposure report)	Passed
FCC Part 15.207, 15.407(b)(9)	Conducted Emissions	Passed
FCC Part 15.209, 15.407(b)(9), (10)	Radiated Emissions	Passed
FCC Part 15.407(b)(10)	Band-edge Emissions(Radiated)	Passed
FCC Part 15.407(a)(1), (2), (3)	Maximum Peak Conducted Output Power	Passed
FCC Part 15.407(a)(2), (e)	Occupied Bandwidth	Passed
FCC Part 15.407(a)(1), (2), (3)	Maximum Power Spectral Density	Passed
FCC Part 15.407 (g)	Frequency Stability	Passed
FCC Part 15.407 (h)	Transmit Power Control (TPC)	N/A
FCC Part 15.407 (h)	Dynamic Frequency Selection (DFS)	N/A

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Passed: The EUT complies with the essential requirements in the standard

Failed: The EUT does not comply with the essential requirements in the standard

N/A: Not applicable

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## 3. Antenna Requirement

### 3.1 Standard and Limit

According to FCC Part 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.

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### 3.2 Test Result

This product has two FPCB antenna, and the maximum antenna gain is ANT1:4.69dBi, ANT2:4.86dBi, fulfill the requirement of this section.

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## 4. Conducted Emissions

#### 4.1 Standard and Limit

According to the rule FCC Part 15.207, Conducted emissions limit, the limit for a wireless device as below:

Frequency of Emission	Conducted emissions (dBuV)					
(MHz)	Quasi-peak	Average				
0.15-0.5	66 to 56	56 to 46				
0.5-5	56	46				
5-30	60	50				

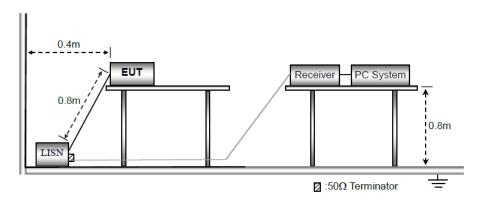
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Note 1: Decreases with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz

Note 2: The lower limit applies at the band edges

#### **4.2 Test Procedure**

Test is conducting under the description of ANSI C63.10 - 2013 section 6.2.



Test Setup Block Diagram

- a) The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.
- b) The following is the setting of the receiver

Attenuation: 10dB

Start Frequency: 0.15MHz Stop Frequency: 30MHz IF Bandwidth: 9kHz

c) The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.

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d) Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.

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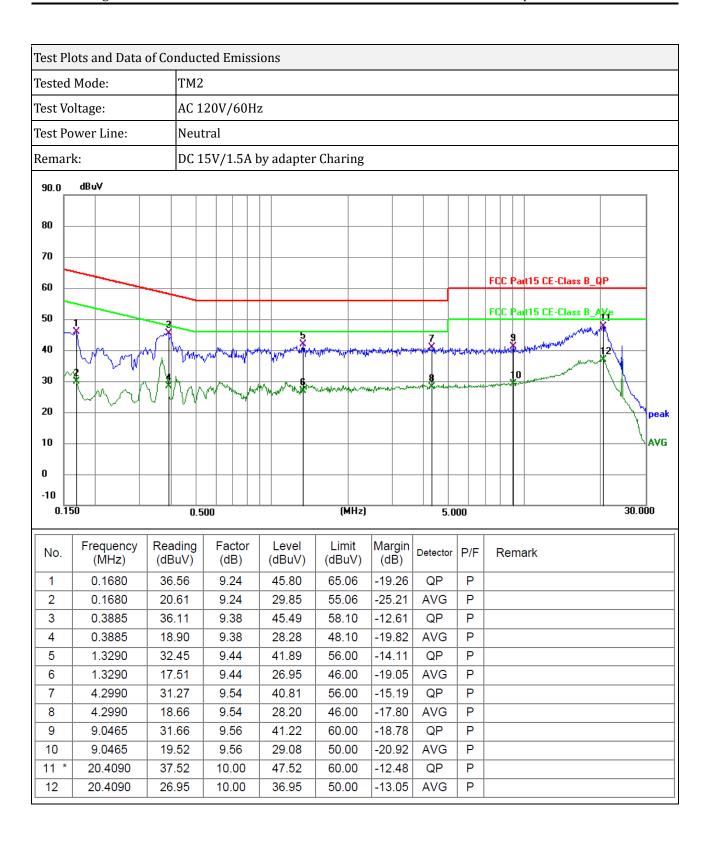
- e) I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- f) LISN is at least 80 cm from nearest part of EUT chassis.
- g) For the actual test configuration, please refer to the related Item photographs of the test setup.

### 4.3 Test Data and Results

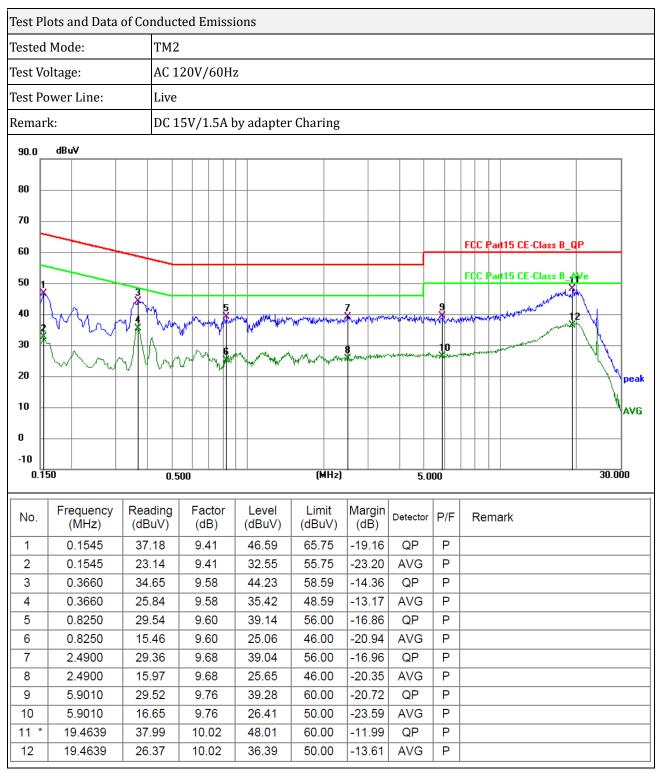
Both band1 and band4 all of the 802.11a, 802.11n and 802.11ac modes have been tested, the EUT complied with the FCC Part 15.207 standard limit for a wireless device, and with the worst case 802.11n\_HT20\_5180MHz as below:

Remark: Level = Reading + Factor, Margin = Level - Limit

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Note1: The test data shows only the worst case ANT. 1 and ANT. 2 Simultaneous emission mode.

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## 5. Radiated Emissions (Below 1GHz)

### 5.1 Standard and Limit

According to FCC Part 15.407(b)(9), Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in FCC Part 15.209.

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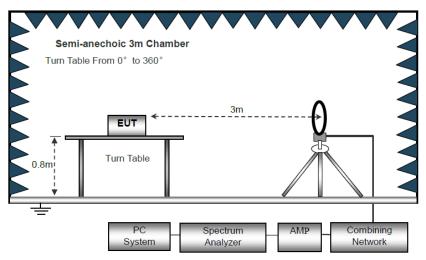
According to the rule FCC Part 15.209, Radiated emission limit for a wireless device as below:

Frequency of Emission	Field Strength	Measurement Distance
(MHz)	(micorvolts/meter)	(meters)
0.009~0.490	2400/F(kHz)	300
0.490~1.705	24000/F(kHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3
Note: The more stringent limit applies	at transition frequencies.	

Note: Spurious Radiated Emissions measurements starting below or at the lowest crystal frequency.

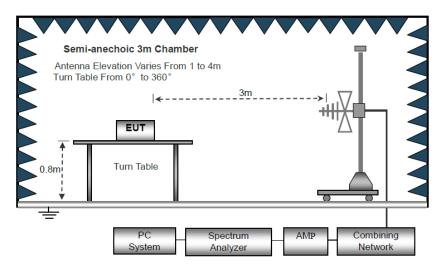
### **5.2 Test Procedure**

Test is conducting under the description of ANSI C63.10 - 2013 section 6.3 to 6.6.



Block Diagram of Radiated Emission Below 30MHz

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Block Diagram of Radiated Emission From 30MHz to 1GHz

- a) The EUT is placed on a turntable, which is 0.8m above ground plane for test frequency range blew 1GHz.
- b) EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.
- c) Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

RBW = 100 kHz

VBW ≥ RBW, Sweep = auto

Detector function = peak

Trace = max hold

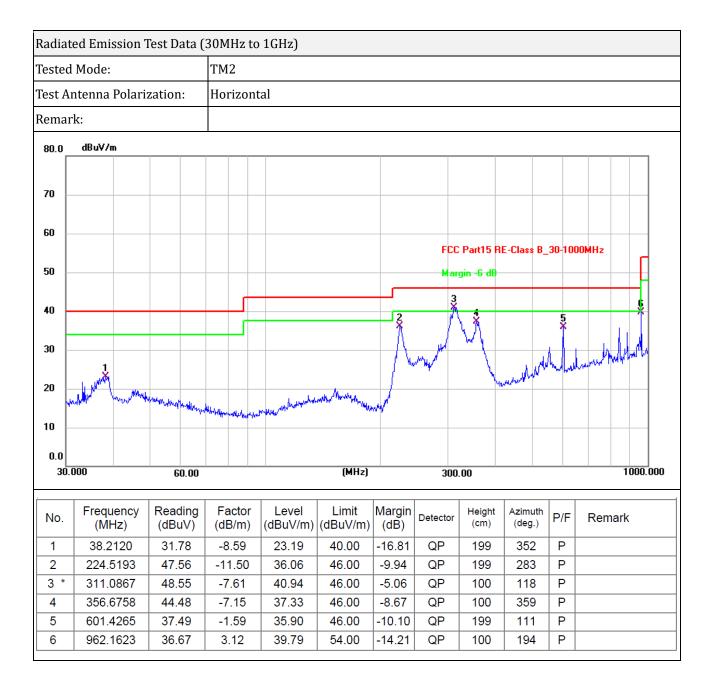
- d) Follow the guidelines in ANSI C63.4-2014 with respect to maximizing the emission by rotating the EUT, adjusting the measurement antenna height and polarization, etc. The peak reading of the emission, after being corrected by the antenna factor, cable loss, pre-amp gain, etc., is the peak field strength, submit this data. Each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
- e) For the actual test configuration, please refer to the related item EUT test photos.

#### 5.3 Test Data and Results

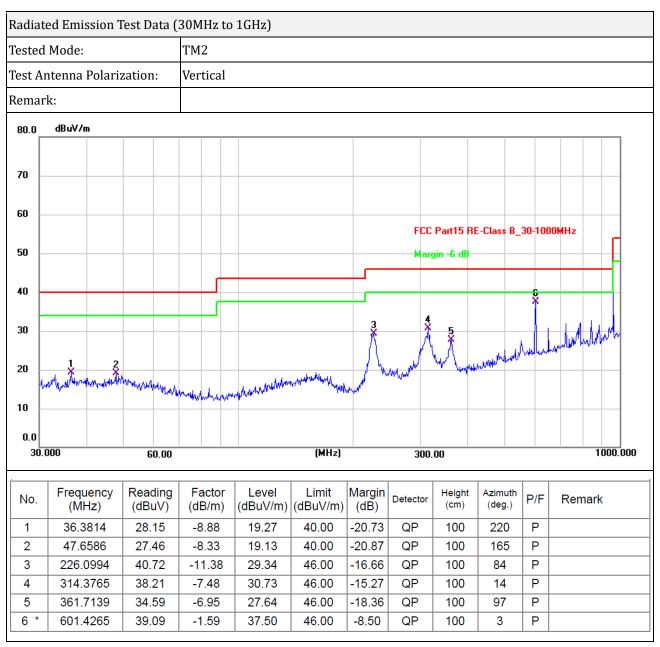
Both band1 and band4 all of the 802.11a, 802.11n and 802.11ac modes have been tested, the EUT complied with the FCC Part 15.209 standard limit for a wireless device, and with the worst case 802.11n\_HT20\_5180MHz as below:

Remark: Level = Reading + Factor, Margin = Level - Limit

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Note 1: This EUT was tested at 3 orthogonal positions, the X-axis being the worst, and the worst-case position data is reported. The test data shows ANT. 1 and ANT. 2 Synchronous launch mode.

Note 2: Testing is carried out with frequency rang 9kHz to 1GHz. The measurements greater than 20dB below the limit from 9kHz to 30MHz.

Note3: The test data shows only the worst case ANT. 1 and ANT. 2 Simultaneous emission mode.

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## 6. Spurious Emissions (Above 1GHz)

#### 6.1 Standard and Limit

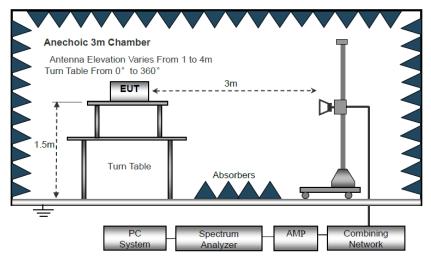
According to FCC Part 15.407(b), Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

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- (1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (4) For transmitters operating solely in the 5.725–5.850 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
- (5) The provisions of § 15.205 apply to intentional radiators operating under this section.
- (6) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the upper and lower frequency band edges as the design of the equipment permits.

#### 6.2 Test Procedure

Test is conducting under the description of ANSI C63.10 - 2013 section 6.3 to 6.6.



Block Diagram of Radiated Emission Above 1GHz

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- a) The EUT is placed on a turntable, which is 1.5m above ground plane for test frequency range above 1GHz.
- b) EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.

c) Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

RBW = 1 MHz for  $f \ge 1$ GHz

VBW ≥ RBW, Sweep = auto

Detector function = peak

Trace = max hold

- d) Follow the guidelines in ANSI C63.4-2014 with respect to maximizing the emission by rotating the EUT, adjusting the measurement antenna height and polarization, etc. The peak reading of the emission, after being corrected by the antenna factor, cable loss, pre-amp gain, etc., is the peak field strength, submit this data. Each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
- e) For the actual test configuration, please refer to the related item EUT test photos.

#### 6.3 Test Data and Results

Both band1 and band4 all of the 802.11a, 802.11n and 802.11acmodes have been tested, the EUT complied with the FCC Part 15.407 standard limit, and with the worst case 802.11a\_HT20, 802.11n\_HT20 and 802.11ac\_VHT20 as below:

Remark: Level = Reading + Factor, Margin = Level - Limit

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## UNII Band 1

01111 24114 1										
Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector			
MHz	dBuV/m	dB/m	dBuV/m	dBuV/m	dB	H/V	Peak			
		802.11a_20	MHz_Lowest C	hannel (5180)	MHz) ANT 1					
10360	67.25	-6.22	61.03	68.2	-7.17	Н	Peak			
15540	56.52	-5.4	51.12	74	-22.88	Н	Peak			
10360	63.22	-6.22	57	68.2	-11.2	V	Peak			
15540	58.56	-5.4	53.16	74	-20.84	V	Peak			
802.11a_20MHz_Highest Channel (5240MHz) ANT 1										
10480	67.49	-5.99	61.5	68.2	-6.7	Н	Peak			
15720	57.8	-5.53	52.27	74	-21.73	Н	Peak			
10480	58.42	-5.99	52.43	68.2	-15.77	V	Peak			
15720	51.05	-5.53	45.52	74	-28.48	V	Peak			
		802.11a_20	MHz_Lowest C	hannel (5180)	MHz) ANT 2					
10360	62.57	-6.22	56.35	68.2	-11.85	Н	Peak			
15540	56.1	-5.4	50.7	74	-23.3	Н	Peak			
10360	58.94	-6.22	52.72	68.2	-15.48	V	Peak			
15540	51.89	-5.4	46.49	74	-27.51	V	Peak			
		802.11a_20	MHz_Highest (	Channel (5240	MHz) ANT 2					
10480	68.04	-5.99	62.05	68.2	-6.15	Н	Peak			
15720	51.13	-5.53	45.6	74	-28.4	Н	Peak			
10480	59.58	-5.99	53.59	68.2	-14.61	V	Peak			
15720	58.18	-5.53	52.65	74	-21.35	V	Peak			
		802.11n	_20MHz_Lowe	st Channel (51	l80MHz)					
10360	60.46	-6.22	54.24	68.2	-13.96	Н	Peak			
15540	56.17	-5.4	50.77	74	-23.23	Н	Peak			
10360	63.21	-6.22	56.99	68.2	-11.21	V	Peak			
15540	56.85	-5.4	51.45	74	-22.55	V	Peak			
		802.11a	_20MHz_Highe	st Channel (52	240MHz)					
10480	62.13	-5.99	56.14	68.2	-12.06	Н	Peak			
15720	51.64	-5.53	46.11	74	-27.89	Н	Peak			
10480	66.68	-5.99	60.69	68.2	-7.51	V	Peak			
15720	57.29	-5.53	51.76	74	-22.24	V	Peak			
		802.11a	c_20MHz_Lowe	est Channel (5	180MHz)					
10360	65.14	-6.22	58.92	68.2	-9.28	Н	Peak			
15540	59.13	-5.4	53.73	74	-20.27	Н	Peak			
10360	62.8	-6.22	56.58	68.2	-11.62	V	Peak			
15540	56.79	-5.4	51.39	74	-22.61	V	Peak			

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## UNII Band 1

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector			
MHz	dBuV/m	dB/m	dBuV/m	dBuV/m	dB	H/V	Peak			
802.11ac_20MHz_Highest Channel (5240MHz)										
10480	64.2	-5.99	58.21	68.2	-9.99	Н	Peak			
15720	53.22	-5.53	47.69	74	-26.31	Н	Peak			
10480	62.93	-5.99	56.94	68.2	-11.26	V	Peak			
15720	59.03	-5.53	53.5	74	-20.5	V	Peak			

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## UNII Band 4

UNII Band 4			1		1		
Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
MHz	dBuV/m	dB/m	dBuV/m	dBuV/m	dB	H/V	Peak
		802.11a_20	MHz_Lowest C	hannel (5745)	MHz) ANT 1		
11490	56.16	-4.34	51.82	74	-22.18	Н	Peak
17235	53.73	-3.29	50.44	68.2	-17.76	Н	Peak
11490	57.46	-4.34	53.12	74	-20.88	V	Peak
17235	55.58	-3.29	52.29	68.2	-15.91	V	Peak
		802.11a_20	MHz_Highest (	Channel (5825	MHz) ANT 1		
11650	56.25	-4.16	52.09	74	-21.91	Н	Peak
17475	54.67	-2.53	52.14	68.2	-16.06	Н	Peak
11650	57.57	-4.16	53.41	74	-20.59	V	Peak
17475	55.23	-2.53	52.7	68.2	-15.5	V	Peak
		802.11a_20	MHz_Lowest C	hannel (5745)	MHz) ANT 2		
11490	56.02	-4.34	51.68	74	-22.32	Н	Peak
17235	56.78	-3.29	53.49	68.2	-14.71	Н	Peak
11490	58.02	-4.34	53.68	74	-20.32	V	Peak
17235	55.43	-3.29	52.14	68.2	-16.06	V	Peak
		802.11a_20	MHz_Highest (	Channel (5825	MHz) ANT 2		
11650	57.15	-4.16	52.99	74	-21.01	Н	Peak
17475	54.38	-2.53	51.85	68.2	-16.35	Н	Peak
11650	57.75	-4.16	53.59	74	-20.41	V	Peak
17475	59.42	-2.53	56.89	68.2	-11.31	V	Peak
		802.11n	_20MHz_Lowe	st Channel (57	745MHz)		
11490	58.19	-4.34	53.85	74	-20.15	Н	Peak
17235	59.15	-3.29	55.86	68.2	-12.34	Н	Peak
11490	56.76	-4.34	52.42	74	-21.58	V	Peak
17235	54.37	-3.29	51.08	68.2	-17.12	V	Peak
		802.11n	_20MHz_Highe	est Channel (58	325MHz)		
11650	56.9	-4.16	52.74	74	-21.26	Н	Peak
17475	59.75	-2.53	57.22	68.2	-10.98	Н	Peak
11650	57.12	-4.16	52.96	74	-21.04	V	Peak
17475	56.43	-2.53	53.9	68.2	-14.3	V	Peak
		802.11a	c_20MHz_Lowe	est Channel (5	745MHz)		
11490	56.8	-4.34	52.46	74	-21.54	Н	Peak
17235	58.98	-3.29	55.69	68.2	-12.51	Н	Peak
11490	56.24	-4.34	51.9	74	-22.1	V	Peak
17235	53.84	-3.29	50.55	68.2	-17.65	V	Peak
		•	•				•

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Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector			
MHz	dBuV/m	dB/m	dBuV/m	dBuV/m	dB	H/V	Peak			
	802.11ac_20MHz_Highest Channel (5825MHz)									
11650	56.75	-4.16	52.59	74	-21.41	Н	Peak			
17475	50.41	-2.53	47.88	68.2	-20.32	Н	Peak			
11650	57.33	-4.16	53.17	74	-20.83	V	Peak			
17475	60.61	-2.53	58.08	68.2	-10.12	V	Peak			

Note 1: This EUT was tested at 3 orthogonal positions, the X-axis being the worst, and the worst-case position data is reported. The test data shows ANT. 1 and ANT. 2 Synchronous launch mode.

Note 2: Testing is carried out with frequency rang 1GHz to 40GHZ, If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit, so there is no record.

Note 3: Other emissions are attenuated 20dB below the limits from 9kHz to 30MHz, so it does not recorded report, above 18GHz not recorded for no spurious point have a margin of less than 6 dB with respect to the limits.

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## 7. Band-edge Emissions(Radiated)

#### 7.1 Standard and Limit

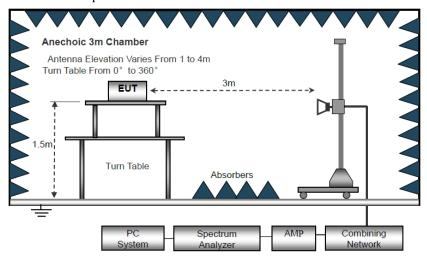
According to §15.407(b), Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

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- (1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (4) For transmitters operating solely in the 5.725-5.850 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

#### 7.2 Test Procedure

Test is conducting under the description of ANSI C63.10 - 2013 section 6.3 to 6.6 and section 6.10.



Test Setup Block Diagram

## 7.3 Test Data and Results

Based on all tested data, the EUT complied with the FCC Part 15.407 standard limit, and with the worst case as below:

Remark: Level = Reading + Factor, Margin = Level - Limit

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Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
MHz	dBuV/m	dB/m	dBuV/m	dBuV/m	dB	H/V	Peak
5150	66.65	-13.96	52.69	74	-21.31	Н	Peak
5150	63.35	-13.96	49.39	74	-24.61	V	Peak

## UNII Band 1\_802.11a\_20MHz\_Highest Channel (5240MHz) ANT 1

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
MHz	dBuV/m	dB/m	dBuV/m	dBuV/m	dB	H/V	Peak
5350	56.19	-13.26	42.93	74	-31.07	Н	Peak
5460	51.72	-12.88	38.84	74	-35.16	Н	Peak
5350	59.14	-13.26	45.88	74	-28.12	V	Peak
5460	52.98	-12.88	40.1	74	-33.9	V	Peak

### UNII Band 1\_802.11a\_20MHz\_Lowest Channel (5180MHz) ANT 2

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
MHz	dBuV/m	dB/m	dBuV/m	dBuV/m	dB	H/V	Peak
5150	65.16	-13.96	51.2	74	-22.8	Н	Peak
5150	55.84	-13.96	41.88	74	-32.12	V	Peak

## UNII Band 1\_802.11a\_20MHz\_Highest Channel (5240MHz) ANT 2

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
MHz	dBuV/m	dB/m	dBuV/m	dBuV/m	dB	H/V	Peak
5350	55.42	-13.26	42.16	74	-31.84	Н	Peak
5460	52.19	-12.88	39.31	74	-34.69	Н	Peak
5350	59	-13.26	45.74	74	-28.26	V	Peak
5460	52.99	-12.88	40.11	74	-33.89	V	Peak

## UNII Band 1\_802.11n\_40MHz\_Lowest Channel (5190MHz)

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
MHz	dBuV/m	dB/m	dBuV/m	dBuV/m	dB	H/V	Peak
5150	67.42	-13.96	53.46	74	-20.54	Н	Peak
5150	56.66	-13.96	42.7	74	-31.3	V	Peak

## UNII Band 1\_802.11n\_40MHz\_Highest Channel (5230MHz)

			*	-			
Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
MHz	dBuV/m	dB/m	dBuV/m	dBuV/m	dB	H/V	Peak
5350	56.97	-13.26	43.71	74	-30.29	Н	Peak
5460	54.96	-12.88	42.08	74	-31.92	Н	Peak
5350	54.54	-13.26	41.28	74	-32.72	V	Peak
5460	52.95	-12.88	40.07	74	-33.93	V	Peak

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Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
MHz	dBuV/m	dB/m	dBuV/m	dBuV/m	dB	H/V	Peak
5150	64.91	-13.96	50.95	74	-23.05	Н	Peak
5350	53.04	-13.26	39.78	74	-34.22	Н	Peak
5460	53.83	-12.88	40.95	74	-33.05	Н	Peak
5150	61.08	-13.96	47.12	74	-26.88	V	Peak
5350	50.93	-13.26	37.67	74	-36.33	V	Peak
5460	51.51	-12.88	38.63	74	-35.37	V	Peak

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Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
MHz	dBuV/m	dB/m	dBuV/m	dBuV/m	dB	H/V	Peak
5650	52.26	-12.3	39.96	68.2	-28.24	Н	Peak
5700	55.74	-12.16	43.58	105.6	-62.02	Н	Peak
5720	68.46	-12.09	56.37	110.8	-54.43	Н	Peak
5650	53.88	-12.3	41.58	68.2	-26.62	V	Peak
5700	55.44	-12.16	43.28	105.6	-62.32	V	Peak
5720	65.8	-12.09	53.71	110.8	-57.09	V	Peak

## UNII Band 4\_802.11a\_20MHz\_Highest Channel (5825MHz) ANT 1

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
MHz	dBuV/m	dB/m	dBuV/m	dBuV/m	dB	H/V	Peak
5850	68.4	-11.72	56.68	122.2	-65.52	Н	Peak
5875	59.9	-11.64	48.26	110.8	-62.54	Н	Peak
5925	50.11	-11.5	38.61	68.2	-29.59	Н	Peak
5850	70.66	-11.72	58.94	122.2	-63.26	V	Peak
5875	59.25	-11.64	47.61	110.8	-63.19	V	Peak
5925	50.68	-11.5	39.18	68.2	-29.02	V	Peak

## UNII Band 4\_802.11a\_20MHz\_Lowest Channel (5745MHz) ANT 2

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
MHz	dBuV/m	dB/m	dBuV/m	dBuV/m	dB	H/V	Peak
5650	52.61	-12.3	40.31	68.2	-27.89	Н	Peak
5700	52.6	-12.16	40.44	105.6	-65.16	Н	Peak
5720	74.92	-12.09	62.83	110.8	-47.97	Н	Peak
5650	52.95	-12.3	40.65	68.2	-27.55	V	Peak
5700	54.05	-12.16	41.89	105.6	-63.71	V	Peak
5720	74.05	-12.09	61.96	110.8	-48.84	V	Peak

## UNII Band $4\_802.11a\_20MHz\_Highest$ Channel (5825MHz) ANT 2

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
MHz	dBuV/m	dB/m	dBuV/m	dBuV/m	dB	H/V	Peak
5850	67.28	-11.72	55.56	122.2	-66.64	Н	Peak
5875	60.05	-11.64	48.41	110.8	-62.39	Н	Peak
5925	50.57	-11.5	39.07	68.2	-29.13	Н	Peak
5850	69.35	-11.72	57.63	122.2	-64.57	V	Peak
5875	57.62	-11.64	45.98	110.8	-64.82	V	Peak
5925	52.33	-11.5	40.83	68.2	-27.37	V	Peak

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Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
MHz	dBuV/m	dB/m	dBuV/m	dBuV/m	dB	H/V	Peak
5650	53.16	-12.3	40.86	68.2	-27.34	Н	Peak
5700	50.48	-12.16	38.32	105.6	-67.28	Н	Peak
5720	71.36	-12.09	59.27	110.8	-51.53	Н	Peak
5650	50.02	-12.3	37.72	68.2	-30.48	V	Peak
5700	53.9	-12.16	41.74	105.6	-63.86	V	Peak
5720	70.7	-12.09	58.61	110.8	-52.19	V	Peak

## UNII Band 4\_802.11n\_40MHz\_Highest Channel (5795MHz)

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
MHz	dBuV/m	dB/m	dBuV/m	dBuV/m	dB	H/V	Peak
5850	67.34	-11.72	55.62	122.2	-66.58	Н	Peak
5875	64.33	-11.64	52.69	110.8	-58.11	Н	Peak
5925	55.89	-11.5	44.39	68.2	-23.81	Н	Peak
5850	70.48	-11.72	58.76	122.2	-63.44	V	Peak
5875	62.32	-11.64	50.68	110.8	-60.12	V	Peak
5925	53.1	-11.5	41.6	68.2	-26.6	V	Peak

## UNII Band 4\_802.11ac\_80MHz\_5775MHz

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
MHz	dBuV/m	dB/m	dBuV/m	dBuV/m	dB	H/V	Peak
5650	52.77	-12.3	40.47	68.2	-27.73	Н	Peak
5700	51.44	-12.16	39.28	105.6	-66.32	Н	Peak
5720	70.44	-12.09	58.35	110.8	-52.45	Н	Peak
5850	65.48	-11.72	53.76	122.2	-68.44	Н	Peak
5875	64.6	-11.64	52.96	110.8	-57.84	Н	Peak
5925	50.97	-11.5	39.47	68.2	-28.73	Н	Peak
5650	54.81	-12.3	42.51	68.2	-25.69	V	Peak
5700	54.05	-12.16	41.89	105.6	-63.71	V	Peak
5720	75.71	-12.09	63.62	110.8	-47.18	V	Peak
5850	70.04	-11.72	58.32	122.2	-63.88	V	Peak
5875	63.75	-11.64	52.11	110.8	-58.69	V	Peak
5925	55.75	-11.5	44.25	68.2	-23.95	V	Peak

Note1: The test data shows only the worst case ANT. 1 and ANT. 2 Simultaneous emission mode.

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## 8. Maximum Conducted Output Power

#### 8.1 Standard and Limit

According to 15.407(a): (1) For the band 5.15-5.25 GHz.

For an outdoor or indoor access point operating in the band 5.15–5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band.

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For client devices in the 5.15–5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.

- (2) For the 5.25–5.35 GHz and 5.47–5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
- (3) For the band 5.725-5.850 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.

### 8.2 Test Procedure

A spectrum analyzer or similar device shall be used to observe a sample of the modulated transmitter's radio frequency power output.

- 1) A measurement instrument with an integrated channel bandwidth function may be used to automate the test process.
- 2) Set center of frequency = operating frequency.
- 3) Connect the EUT to the RF input of the spectrum analyzer via a low loss RF cable
- 4) Set the RBW = 1MHz, VBW = 3MHz, Detector = RMS, Sweep = Auto.
- 5) Set the SPAN to 40MHz/80MHz/160MHz for 20MHz/40MHz/80MHz emission bandwidth mode.
- 6) Measure the highest amplitude appearing on spectral display and mark the value.
- 7) Repeat the above procedures until all frequency measured was complete.



Test Setup Block Diagram

#### 8.3 Test Data and Results

Please refer to the appendix for details.

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## 9. Occupied Bandwidth

#### 9.1 Standard and Limit

According to 15.407(a), Within the 5.250–5.350 GHz and 5.470–5.725 GHz bands the 26 dB bandwidth shall be tested.

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According to 15.407(e), Within the 5.725–5.850 GHz and 5.850–5.895 GHz bands, the minimum 6 dB bandwidth of U–NII devices shall be at least 500 kHz.

#### 9.2 Test Procedure

According to the ANSI 63.10-2013, section 6.9, the emission bandwidth test method as follows.

- 1) Remove the antenna from the EUT and connect to the spectrum analyzer via a low loss RF cable.
- 2) Set the spectrum analyzer to any one measured frequency within its operating range.
- 3) Set RBW to  $1\% \sim 5\%$  of bandwidth, VBW = RBW, Sweep = Auto.
- 4) Set a reference level on the measuring instrument equal to the highest peak value.
- 5) Measure the frequency difference of two frequencies that were attenuated 6dB or 26dB from the reference level. Record the frequency difference as the emission bandwidth.
- 6) Repeat the above procedures until all frequencies measured were complete.



### 9.3 Test Data and Results

Please refer to the appendix for details.

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## 10. Maximum Power Spectral Density

#### 10.1 Standard and Limit

According to 15.407(a):

(1) For the band 5.15–5.25 GHz.

For an outdoor or indoor access point operating in the band 5.15–5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band..

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For client devices in the 5.15–5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.

- (2) For the 5.25–5.35 GHz and 5.47–5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
- (3) For the band 5.725–5.895 GHz: the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500–kHz band.

#### 10.2 Test Procedure

- 1) Remove the antenna from the EUT and connect to the spectrum analyzer via a low loss RF cable.
- 2) Set the spectrum analyzer to any one measured frequency within its operating range.
- 3) Set RBW = 1MHz, VBW = 3MHz, Sweep = Auto, Detector = RMS.
- 4) Measure the highest amplitude appearing on spectral display and mark the value.
- 5) Repeat above procedures until all frequencies measured were complete.



#### 10.3 Test Data and Results

Please refer to the appendix for details.

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# 11. Frequency Stability

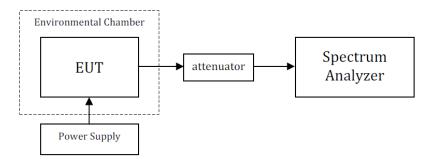
### 11.1 Standard and Limit

According to 15.407(g), Manufactures of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

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#### 11.2 Test Procedure

Test is conducting under the description of ANSI C63.10-2013 section 6.8.



Test Setup Block Diagram

## 11.3 Test Data and Results

Mada	Frequency	Temperature	Voltage	Measured Frequency	Limit	Vandiat
Mode	(MHz)	(°C)	(VDC)	(MHz)	(MHz)	Verdict
			9.99	5179.959	5150 to 5250	Pass
		20	11.1	5179.960	5150 to 5250	Pass
			12.21	5179.961	5150 to 5250	Pass
		-30	11.1	5179.957	5150 to 5250	Pass
		-20	11.1	5179.95	5150 to 5250	Pass
	5180	-10	11.1	5179.958	5150 to 5250	Pass
		0	11.1	5179.97	5150 to 5250	Pass
Carrier Wave		10	11.1	5179.99	5150 to 5250	Pass
Carrier wave		30	11.1	5179.965	5150 to 5250	Pass
		40	11.1	5179.962	5150 to 5250	Pass
		50	11.1	5179.963	5150 to 5250	Pass
			9.99	5199.917	5150 to 5250	Pass
		20	11.1	5199.921	5150 to 5250	Pass
	5200		12.21	5199.918	5150 to 5250	Pass
		-30	11.1	5199.917	5150 to 5250	Pass
		-20	11.1	5199.917	5150 to 5250	Pass

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	1.0		<b>7</b> 400040		
	-10	11.1	5199.918	5150 to 5250	Pass
	0	11.1	5199.918	5150 to 5250	Pass
	10	11.1	5199.917	5150 to 5250	Pass
	30	11.1	5199.917	5150 to 5250	Pass
	40	11.1	5199.916	5150 to 5250	Pass
	50	11.1	5199.916	5150 to 5250	Pass
		9.99	5239.937	5150 to 5250	Pass
	20	11.1	5239.941	5150 to 5250	Pass
		12.21	5239.939	5150 to 5250	Pass
	-30	11.1	5239.939	5150 to 5250	Pass
	-20	11.1	5239.939	5150 to 5250	Pass
5240	-10	11.1	5239.938	5150 to 5250	Pass
	0	11.1	5239.938	5150 to 5250	Pass
	10	11.1	5239.940	5150 to 5250	Pass
	30	11.1	5239.937	5150 to 5250	Pass
	40	11.1	5239.942	5150 to 5250	Pass
	50	11.1	5239.940	5150 to 5250	Pass
		9.99	5744.918	5725 to 5850	Pass
	20	11.1	5744.917	5725 to 5850	Pass
		12.21	5744.917	5725 to 5850	Pass
	-30	11.1	5744.916	5725 to 5850	Pass
	-20	11.1	5744.916	5725 to 5850	Pass
5745	-10	11.1	5744.918	5725 to 5850	Pass
	0	11.1	5744.919	5725 to 5850	Pass
	10	11.1	5744.919	5725 to 5850	Pass
	30	11.1	5744.917	5725 to 5850	Pass
	40	11.1	5744.917	5725 to 5850	Pass
	50	11.1	5744.918	5725 to 5850	Pass
		9.99	5784.936	5725 to 5850	Pass
	20	11.1	5784.939	5725 to 5850	Pass
		12.21	5784.937	5725 to 5850	Pass
	-30	11.1	5784.938	5725 to 5850	Pass
	-20	11.1	5784.937	5725 to 5850	Pass
5785	-10	11.1	5784.937	5725 to 5850	Pass
	0	11.1	5784.937	5725 to 5850	Pass
	10	11.1	5784.938	5725 to 5850	Pass
	30	11.1	5784.938	5725 to 5850	Pass
	40	11.1	5784.937	5725 to 5850	Pass
	50	11.1	5784.937	5725 to 5850	Pass
		9.99	5824.919	5725 to 5850	Pass
	20	11.1	5824.917	5725 to 5850	Pass
5825		12.21	5824.917	5725 to 5850	Pass
	-30	11.1	5824.917	5725 to 5850	Pass
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	-20	11.1	5824.918	5725 to 5850	Pass
	-10	11.1	5824.916	5725 to 5850	Pass
	0	11.1	5824.916	5725 to 5850	Pass
	10	11.1	5824.915	5725 to 5850	Pass
	30	11.1	5824.919	5725 to 5850	Pass
	40	11.1	5824.917	5725 to 5850	Pass
	50	11.1	5824.916	5725 to 5850	Pass

\*\*\*\*\* END OF REPORT \*\*\*\*\*

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