

# FCC Radio Test Report

## FCC ID: 2A6PW-P10

### Original Grant

**Report No.** : TBR-C-202204-0018-23  
**Applicant** : Shenzhen Hongxin NetVision Digital Technology Co., Ltd.

#### Equipment Under Test (EUT)

**EUT Name** : MINI projector  
**Model No.** : P10  
**Series Model No.** : P20, P30, P40, M10, M20, M30, M40  
**Brand Name** : HONGTOP  
**Sample ID** : 202204-0018\_01-01# & 202204-0018\_01-02#  
**Receipt Date** : 2022-04-11  
**Test Date** : 2022-04-11 to 2022-04-28  
**Issue Date** : 2021-04-28  
**Standards** : FCC Part 15, Subpart E 15.407  
**Test Method** : ANSI C63.10: 2013  
**Conclusions** : **PASS**

In the configuration tested, the EUT complied with the standards specified above,

The EUT technically complies with the FCC and IC requirements

**Test/Witness Engineer** : *Camille Li* Camille Li

**Test/Witness Engineer** : *Ivan Su* Ivan Su

**Approved& Authorized** : *Ray Lai* Ray Lai



This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in the report.

TB-RF-074-1.0

## Contents

<b>CONTENTS.....</b>	<b>2</b>
<b>1. GENERAL INFORMATION ABOUT EUT.....</b>	<b>5</b>
1.1 Client Information.....	5
1.2 General Description of EUT (Equipment Under Test) .....	5
1.3 Block Diagram Showing the Configuration of System Tested.....	6
1.4 Description of Support Units .....	6
1.5 Description of Test Mode.....	7
1.6 Description of Test Software Setting .....	9
1.7 Measurement Uncertainty .....	10
1.8 Test Facility.....	10
<b>2. TEST SUMMARY .....</b>	<b>11</b>
<b>3. TEST SOFTWARE.....</b>	<b>11</b>
<b>4. TEST EQUIPMENT .....</b>	<b>12</b>
<b>5. CONDUCTED EMISSION TEST .....</b>	<b>13</b>
5.1 Test Standard and Limit.....	13
5.2 Test Setup.....	13
5.3 Test Procedure.....	14
5.4 Deviation From Test Standard.....	14
5.5 EUT Operating Mode .....	14
5.6 Test Data.....	14
<b>6. RADIATED EMISSION TEST .....</b>	<b>15</b>
6.1 Test Standard and Limit.....	15
6.2 Test Setup.....	16
6.3 Test Procedure.....	17
6.4 Deviation From Test Standard.....	18
6.5 EUT Operating Condition .....	18
6.6 Test Data.....	18
<b>7. RESTRICTED BAND EDGE EMISSIONS.....</b>	<b>19</b>
7.1 Test Standard and Limit.....	19
7.2 Test Setup.....	19
7.3 Test Procedure.....	20
7.4 Deviation From Test Standard.....	21
7.5 EUT Operating Condition .....	21
7.6 Test Data.....	21
<b>8. BANDWIDTH TEST.....</b>	<b>22</b>
8.1 Test Standard and Limit.....	22
8.2 Test Setup.....	22

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8.3 Test Procedure.....	22
8.4 Deviation From Test Standard.....	23
8.5 EUT Operating Condition .....	23
8.6 Test Data.....	23
<b>9. MAXIMUM CONDUCTED OUTPUT POWER.....</b>	<b>24</b>
9.1 Test Standard and Limit.....	24
9.2 Test Setup.....	24
9.3 Test Procedure.....	24
9.4 Deviation From Test Standard.....	24
9.5 EUT Operating Condition .....	24
9.6 Test Date.....	24
<b>10. POWER SPECTRAL DENSITY TEST .....</b>	<b>25</b>
10.1 Test Standard and Limit .....	25
9.2 Test Setup.....	25
10.3 Test Procedure.....	25
10.4 Deviation From Test Standard.....	26
10.5 EUT Operating Condition .....	26
10.6 Test Data.....	26
<b>11. FREQUENCY STABILITY MEASUREMENT .....</b>	<b>27</b>
11.1 Test Standard and Limit .....	27
11.2 Test Setup.....	27
11.3 Test Procedure.....	27
11.4 Deviation From Test Standard.....	27
11.5 EUT Operating Condition .....	28
11.6 Test Data.....	28
<b>12. ANTENNA REQUIREMENT.....</b>	<b>29</b>
12.1 Standard Requirement.....	29
12.2 Antenna Connected Construction .....	29
12.3 Deviation From Test Standard.....	29
12.4 Result.....	29
<b>ATTACHMENT A-- CONDUCTED EMISSION TEST DATA .....</b>	<b>30</b>
<b>ATTACHMENT B-- RADIATED EMISSION TEST DATA .....</b>	<b>32</b>

## Revision History

## 1. General Information about EUT

### 1.1 Client Information

<b>Applicant</b>	:	Shenzhen Hongxin NetVision Digital Technology Co., Ltd.
<b>Address</b>	:	5 / F, building 4, rundongsheng Industrial Park, Longteng community, Xixiang street, Bao'an District, Shenzhen, Guangdong, China
<b>Manufacturer</b>	:	Shenzhen Hongxin NetVision Digital Technology Co., Ltd.
<b>Address</b>	:	5 / F, building 4, rundongsheng Industrial Park, Longteng community, Xixiang street, Bao'an District, Shenzhen, Guangdong, China

### 1.2 General Description of EUT (Equipment Under Test)

<b>EUT Name</b>	:	MINI projector
<b>Models No.</b>	:	P10, P20, P30, P40, M10, M20, M30, M40
<b>Model Difference</b>	:	All PCB boards and circuit diagrams are the same, the only difference is the appearance.
<b>Product Description</b>	Operation Frequency:	U-NII-1: 5180MHz~5240MHz, U-NII-3: 5745MHz~5825MHz
	Antenna Gain:	2dBi FPC Antenna
	Modulation Type:	802.11a: OFDM (QPSK, BPSK, 16QAM) 802.11n: OFDM (QPSK, BPSK, 16QAM, 64QAM) 802.11ac: OFDM (QPSK, BPSK, 16QAM, 64QAM, 256QAM)
	Bit Rate of Transmitter:	802.11a: 6/9/12/18/24/36/48/54 Mbps 802.11n: up to 150Mbps 802.11ac: at most 433.3 Mbps
<b>Power Rating</b>	:	For Adapter: Input: AC 100-240V~ 50/60Hz Output: 19V-, 3A
<b>Software Version</b>	:	4.9.170
<b>Hardware Version</b>	:	H700-V3.1-211023
<b>Remark</b>	:	The adapter and antenna gain provided by the applicant, the verified for the RF conduction test provided by TOBY test lab.

#### Note:

(1) This Test Report is FCC Part 15, Subpart E(15.407) for 802.11a/n/ac, the test procedure follows the KDB 789033 D02 General U-NII Test Procedures New Rules v02r01. More detailed features description, please refer to the manufacturer's specifications or the User's

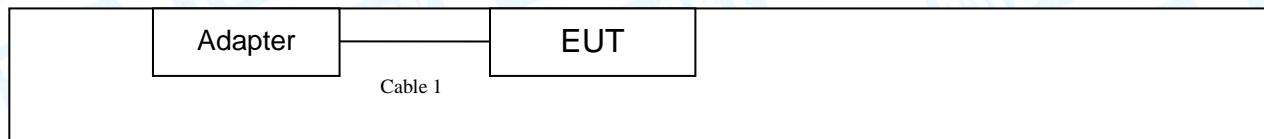
Manual.

(2) Channel List:

Frequency Band	Channel No.	Frequency	Channel No.	Frequency
5180~5240MHz (U-NII-1)	36	5180 MHz	44	5220 MHz
	38	5190 MHz	46	5230 MHz
	40	5200 MHz	48	5240 MHz
	42	5210 MHz		
For 20 MHz Bandwidth, use channel 36, 40, 44, 48. For 40 MHz Bandwidth, use channel 38, 46.				
For 80 MHz Bandwidth, use channel 42.				
Frequency Band	Channel No.	Frequency	Channel No.	Frequency
5745~5825MHz (U-NII-3)	149	5745 MHz	157	5785 MHz
	151	5755 MHz	159	5795 MHz
	153	5765 MHz	161	5805 MHz
	155	5775 MHz	165	5825 MHz
For 20 MHz Bandwidth, use channel 149, 153, 157, 161, 165. For 40 MHz Bandwidth, use channel 151, 159.				
For 80 MHz Bandwidth, use channel 155.				

### 1.3 Block Diagram Showing the Configuration of System Tested

#### Charging + TX Mode



### 1.4 Description of Support Units

Equipment Information				
Name	Model	FCC ID/VOC	Manufacturer	Used "√"
Adapter	---	---	---	√
Cable Information				
Number	Shielded Type	Ferrite Core	Length	Note
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Remark: The USB Cable and adapter provided by the Applicant.

## 1.5 Description of Test Mode

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned follow was evaluated respectively.

For Conducted Test		
Final Test Mode	Description	
Mode 1	Charging + TX a Mode(5180MHz)	
For Radiated Test Below 1GHz		
Final Test Mode	Description	
Mode 2	Charging + TX a Mode(5180MHz)	
For Radiated Above 1GHz and RF Conducted Test		
Test Band	Final Test Mode	Description
U-NII-1	Mode 3	TX Mode 802.11a Mode Channel 36/40/48
	Mode 4	TX Mode 802.11n(HT20) Mode Channel 36/40/48
	Mode 5	TX Mode 802.11ac(VHT20) Mode Channel 36/40/48
	Mode 6	TX Mode 802.11n(HT40) Mode Channel 38/46
	Mode 7	TX Mode 802.11ac(VHT40) Mode Channel 38/46
	Mode 8	TX Mode 802.11ac(VHT80) Mode Channel 42
U-NII-3	Mode 9	TX Mode 802.11a Mode Channel 149/157/165
	Mode 10	TX Mode 802.11n(HT20) Mode Channel 149/157/165
	Mode 11	TX Mode 802.11ac(vHT20) Mode Channel 149/157/165
	Mode 12	TX Mode 802.11n(HT40) Mode Channel 151/159
	Mode 13	TX Mode 802.11ac(VHT40) Mode Channel 151/159
	Mode 14	TX Mode 802.11ac(VHT80) Mode Channel 155

### Note:

- (1) For all test, we have verified the construction and function in typical operation. And all the test modes were carried out with the EUT in transmitting operation in maximum power with all kinds of data rate.

According to ANSI C63.10 standards, the measurements are performed at the highest, middle, lowest available channels, and the worst case data rate as follows:

802.11a Mode: OFDM (6 Mbps)

- (2) During the testing procedure, the continuously transmitting with the maximum power mode was programmed by the customer.
- (3) The EUT is considered a portable unit; it was positioned on X-plane. The worst case was found positioned on X-plane. Therefore only the test data of this X-plane was used for radiated emission measurement test.

## 1.6 Description of Test Software Setting

During testing channel& Power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters of WLAN.

Test Software: RFTesttool		
U-NII-1		
Mode	Frequency (MHz)	Parameters
802.11a	5180	17
	5200	17
	5240	17
802.11n(HT20)	5180	17
	5200	17
	5240	17
802.11ac(VHT20)	5180	17
	5200	17
	5240	17
802.11n(HT40)	5190	17
	5230	17
802.11ac(VHT40)	5190	17
	5230	17
802.11ac(VHT80)	5210	17
U-NII-3		
Mode	Frequency (MHz)	Parameters
802.11a	5745	17
	5785	17
	5825	17
802.11n(HT20)	5745	17
	5785	17
	5825	17
802.11ac(VHT20)	5745	17
	5785	17
	5825	17
802.11n(HT40)	5755	17
	5795	17
802.11ac(VHT40)	5755	17
	5795	17
802.11ac(VHT80)	5775	17

## 1.7 Measurement Uncertainty

The reported uncertainty of measurement  $y \pm U$ , where expended uncertainty  $U$  is based on a standard uncertainty multiplied by a coverage factor of  $k=2$ , providing a level of confidence of approximately 95 %.

Test Item	Parameters	Expanded Uncertainty ( $U_{Lab}$ )
Conducted Emission	Level Accuracy: 9kHz~150kHz 150kHz to 30MHz	$\pm 3.50$ dB $\pm 3.10$ dB
Radiated Emission	Level Accuracy: 9kHz to 30 MHz	$\pm 4.60$ dB
Radiated Emission	Level Accuracy: 30MHz to 1000 MHz	$\pm 4.50$ dB
Radiated Emission	Level Accuracy: Above 1000MHz	$\pm 4.20$ dB

## 1.8 Test Facility

The testing was performed by the Shenzhen Toby Technology Co., Ltd., in their facilities located at: 1A/F., Bldg.6, Yusheng Industrial Zone, The National Road No.107 Xixiang Section 467, Xixiang, Bao'an, Shenzhen, Guangdong, China.

At the time of testing, the following bodies accredited the Laboratory:

### **CNAS (L5813)**

The Laboratory has been accredited by CNAS to ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories for the competence in the field of testing. And the Registration No.: CNAS L5813.

### **A2LA Certificate No.: 4750.01**

The laboratory has been accredited by American Association for Laboratory Accreditation(A2LA) to ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories for the technical competence in the field of Electrical Testing. And the A2LA Certificate No.: 4750.01.FCC Accredited Test Site Number: 854351.Designation Number:CN1223

### **IC Registration No.: (11950A)**

The Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing. The site registration: Site# 11950A.

## 2. Test Summary

FCC Part 15 Subpart E(15.407)				
Standard Section	Test Item	Test Sample(s)	Judgment	Remark
FCC				
15.203	Antenna Requirement	202204-0018_01-01#	PASS	N/A
FCC 15.207(a)	Conducted Emission	202204-0018_01-01#	PASS	N/A
FCC 15.407(b)& 15.205	Emissions in Restricted Bands	202204-0018_01-02#	PASS	N/A
15.407(a)	26dB Bandwidth	202204-0018_01-02#	PASS	N/A
15.407(e)	6dB Bandwidth	202204-0018_01-02#	PASS	N/A
15.407(a)	Maximum Conducted Output Power	202204-0018_01-02#	PASS	N/A
15.407(a)	Power Spectral Density	202204-0018_01-02#	PASS	N/A
15.209 15.407(b)	Transmitter Radiated Spurious Emission	202204-0018_01-1# 202204-0018_01-02#	PASS	N/A
15.407(g)	Frequency Stability	202204-0018_01-02#	PASS	N/A
/	On Time and Duty Cycle	202204-0018_01-02#	PASS	N/A
<b>Note:</b> "/" for no requirement for this test item. N/A is an abbreviation for Not Applicable.				

## 3. Test Software

Test Item	Test Software	Manufacturer	Version No.
Conducted Emission	EZ-EMC	EZ	CDI-03A2
Radiation Emission	EZ-EMC	EZ	FA-03A2RE
RF Conducted Measurement	MTS-8310	MWRFtest	V2.0.0.0
RF Test System	JS1120	Tonscend	V2.6.88.0336

## 4. Test Equipment

Conducted Emission Test					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
EMI Test Receiver	Rohde & Schwarz	ESCI	100321	Jul. 02, 2021	Jul. 01, 2022
RF Switching Unit	Compliance Direction Systems Inc	RSU-A4	34403	Jul. 02, 2021	Jul. 01, 2022
AMN	SCHWARZBECK	NNBL 8226-2	8226-2/164	Jul. 02, 2021	Jul. 01, 2022
LISN	Rohde & Schwarz	ENV216	101131	Jul. 02, 2021	Jul. 01, 2022
Radiation Emission Test					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jul. 02, 2021	Jul. 01, 2022
EMI Test Receiver	Rohde & Schwarz	ESPI	100010/007	Jul. 02, 2021	Jul. 01, 2022
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102197	Jul. 02, 2021	Jul. 01, 2022
Bilog Antenna	ETS-LINDGREN	3142E	00117537	Feb. 28, 2022	Feb. 27, 2023
Horn Antenna	ETS-LINDGREN	3117	00143207	Feb. 28, 2022	Feb. 27, 2023
Horn Antenna	ETS-LINDGREN	BBHA 9170	BBHA9170582	Feb. 28, 2022	Feb. 27, 2023
Loop Antenna	SCHWARZBECK	FMZB 1519 B	1519B-059	Jul. 06, 2021	Jul. 05, 2022
Pre-amplifier	Sonoma	310N	185903	Feb. 24, 2022	Feb. 23, 2023
Pre-amplifier	HP	8449B	3008A00849	Feb. 24, 2022	Feb. 23, 2023
Pre-amplifier	SKET	LNPA_1840G-50	SK201904032	Feb. 24, 2022	Feb. 23, 2023
Cable	HUBER+SUHNER	100	SUCOFLEX	Feb. 24, 2022	Feb. 23, 2023
Positioning Controller	ETS-LINDGREN	2090	N/A	N/A	N/A
Antenna Conducted Emission					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jul. 02, 2021	Jul. 01, 2022
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102197	Jul. 02, 2021	Jul. 01, 2022
MXA Signal Analyzer	Agilent	N9020A	MY49100060	Sep. 10, 2021	Sep. 09, 2022
Vector Signal Generator	Agilent	N5182A	MY50141294	Sep. 10, 2021	Sep. 09, 2022
Analog Signal Generator	Agilent	N5181A	MY50141953	Sep. 10, 2021	Sep. 09, 2022
RF Power Sensor	DARE!! Instruments	RadiPowerRPR3006W	17100015SNO26	Sep. 10, 2021	Sep. 09, 2022
	DARE!! Instruments	RadiPowerRPR3006W	17100015SNO29	Sep. 10, 2021	Sep. 09, 2022
	DARE!! Instruments	RadiPowerRPR3006W	17100015SNO31	Sep. 10, 2021	Sep. 09, 2022
	DARE!! Instruments	RadiPowerRPR3006W	17100015SNO33	Sep. 10, 2021	Sep. 09, 2022

## 5. Conducted Emission Test

### 5.1 Test Standard and Limit

5.1.1 Test Standard  
FCC Part 15.207(a)

#### 5.1.2 Test Limit

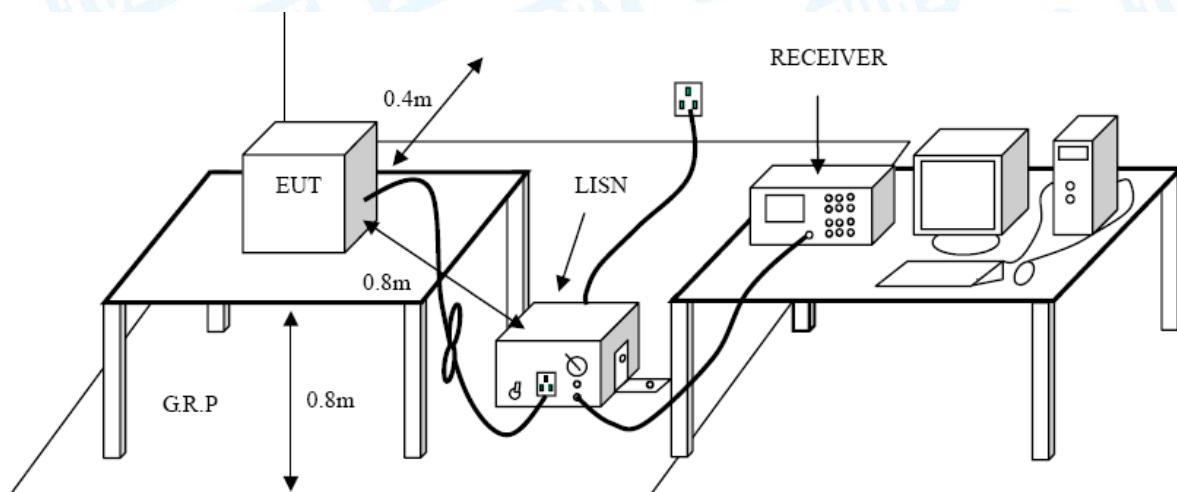
Conducted Emission Test Limit

Frequency	Maximum RF Line Voltage (dB $\mu$ V)	
	Quasi-peak Level	Average Level
150kHz~500kHz	66 ~ 56 *	56 ~ 46 *
500kHz~5MHz	56	46
5MHz~30MHz	60	50

Notes:

- (1) \*Decreasing linearly with logarithm of the frequency.
- (2) The lower limit shall apply at the transition frequencies.
- (3) The limit decrease in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

### 5.2 Test Setup



### 5.3 Test Procedure

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 equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.

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.

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.

LISN at least 80 cm from nearest part of EUT chassis.

The bandwidth of EMI test receiver is set at 9kHz, and the test frequency band is from 0.15MHz to 30MHz.

### 5.4 Deviation From Test Standard

No deviation

### 5.5 EUT Operating Mode

Please refer to the description of test mode.

### 5.6 Test Data

Please refer to the Attachment A.

## 6. Radiated Emission Test

### 6.1 Test Standard and Limit

6.1.1 Test Standard  
FCC Part 15.209

6.1.2 Test Limit

**Radiated Emission Limits (9kHz~1000MHz)**

Frequency (MHz)	Field Strength (microvolt/meter)	Measurement Distance (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

**Radiated Emission Limit (Above 1000MHz)**

Frequency (MHz)	Distance of 3m (dBuV/m)	
	Peak	Average
Above 1000	74	54

**Note:**

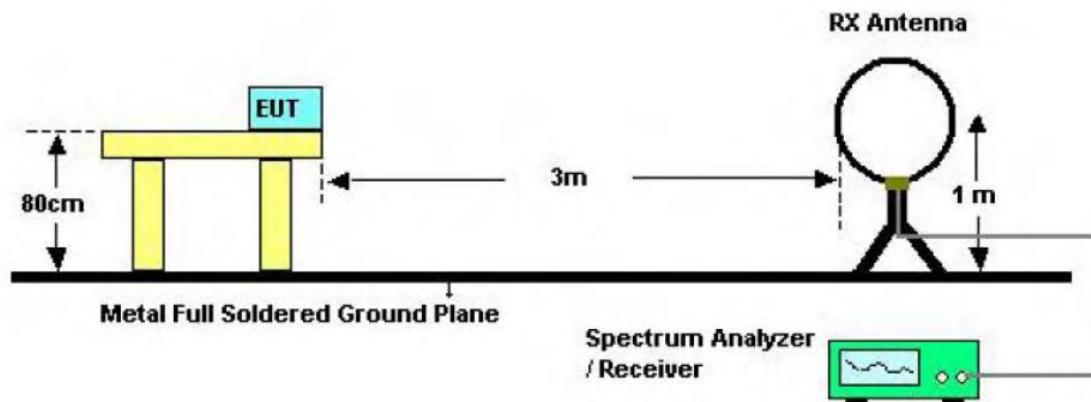
- (1) The tighter limit applies at the band edges.
- (2) Emission Level(dBuV/m)=20log Emission Level(uV/m)

Limits of unwanted emission out of the restricted bands

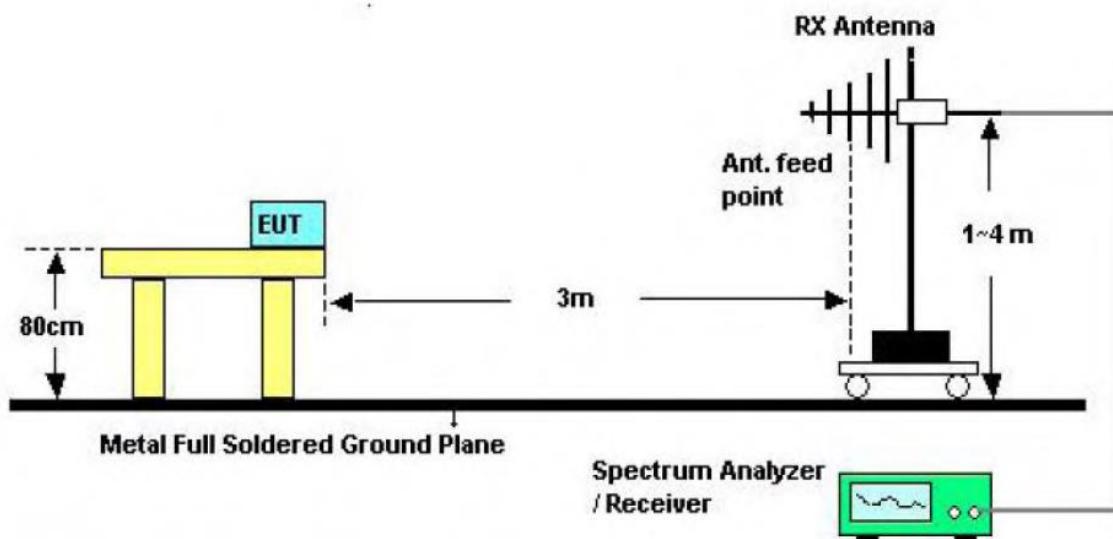
Frequency (MHz)	EIRP Limits (dBm)	Equivalent Field Strength at 3m (dBuV/m)
5150~5250	-27	68.3
5250~5350	-27	68.3
5470~5725	-27	68.3
	-27(Note 2)	68.3
5725~5825	10(Note 2)	105.3
	15.6(Note 2)	110.9

	27(Note 2)	122.3
NOTE:		
1, The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:		
$E = \frac{1000000\sqrt{30P}}{3} \text{ uV/m, where } P \text{ is the eirp (Watts)}$		
2, According to FCC 16-24, 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 25MHz 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 27dBm/MHz at the band edge.		

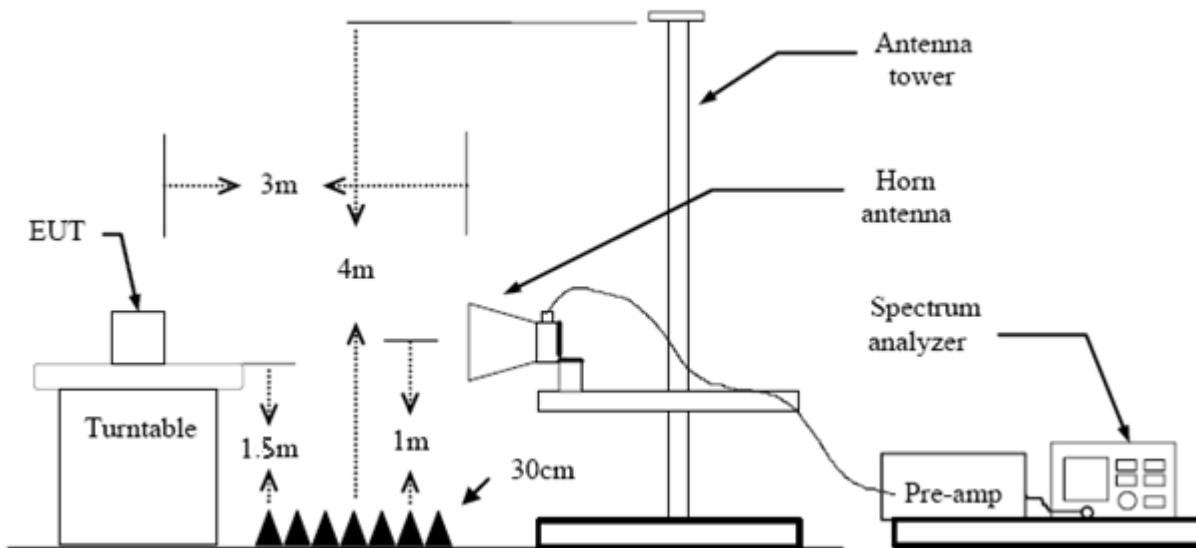
## 6.2 Test Setup



Below 30MHz Test Setup



## Below 1000MHz Test Setup



## Above 1GHz Test Setup

## 6.3 Test Procedure

- (1) The measuring distance of 3m shall be used for measurements at frequency up to 1GHz. The EUT was placed on a rotating 0.8m high above the ground, the table was rotated 360 degrees to determine the position of the highest radiation.
- (2) Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.
- (3) The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical Antenna 0re set to make measurement.
- (4) The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- (5) If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit Below 1 GHz, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed. But the Peak Value and average value both need to comply with applicable limit above 1 GHz.
- (6) Testing frequency range below 1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection.
- (7) Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz

with Peak Detector for Average Values.

(8) For the actual test configuration, please see the test setup photo.

#### 6.4 Deviation From Test Standard

No deviation

#### 6.5 EUT Operating Condition

The Equipment Under Test was set to Continual Transmitting in maximum power.

#### 6.6 Test Data

Remark: During testing above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.

Please refer to the Attachment B.

## 7. Restricted Band Edge Emissions

### 7.1 Test Standard and Limit

#### 7.1.1 Test Standard

FCC Part 15.407(b)

#### 7.1.2 Test Limit

Limits of unwanted emission out of the restricted bands

Frequency (MHz)	EIRP Limits (dBm)	Equivalent Field Strength at 3m (dBuV/m)
5150~5250	-27	68.3
5250~5350	-27	68.3
5470~5725	-27	68.3
5725~5825	-27(Note 2)	68.3
	10(Note 2)	105.3
	15.6(Note 2)	110.9
	27(Note 2)	122.3

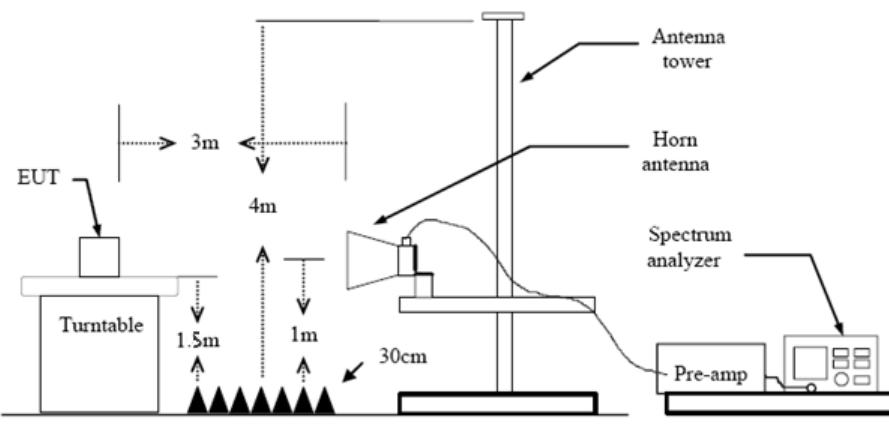
NOTE:

1, The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

$$E = \frac{1000000\sqrt{30P}}{3} \text{ uV/m, where } P \text{ is the eirp (Watts)}$$

2, According to FCC 16-24, 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 25MHz 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 27dBm/MHz at the band edge.

### 7.2 Test Setup



### 7.3 Test Procedure

#### ---Radiated measurement

- Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.
- The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.
- The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- The Peak Value and average value both need to comply with applicable limit above 1 GHz.
- Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.
- For the actual test configuration, please see the test setup photo.

#### --- Conducted measurement

- a) Measure the conducted output power (in dBm) using the detector specified by the appropriate regulatory agency (see 11.12.2.3 through 11.12.2.5 for guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).
- b) Add the maximum transmit antenna gain (in dBi) to the measured output power level to determine the EIRP (see 11.12.2.6 for guidance on determining the applicable antenna gain).
- c) Add the appropriate maximum ground reflection factor to the EIRP (6 dB for frequencies  $\leq 30$  MHz; 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive; and 0 dB for frequencies  $> 1000$  MHz).
- d) For MIMO devices, measure the power of each chain and sum the EIRP of all chains in linear terms (i.e., watts and mW).
- e) Convert the resultant EIRP to an equivalent electric field strength using the following relationship:

$$E = EIRP - 20 \log d + 104.8$$

where

E is the electric field strength in dBuV/m

EIRP is the equivalent isotropically radiated power in dBm

d is the specified measurement distance in m

f) Compare the resultant electric field strength level with the applicable regulatory limit.

g) Perform the radiated spurious emission test.

## 7.4 Deviation From Test Standard

No deviation

## 7.5 EUT Operating Condition

The Equipment Under Test was set to Continual Transmitting in maximum power.

## 7.6 Test Data

Please refer to the Appendix D.

## 8. Bandwidth Test

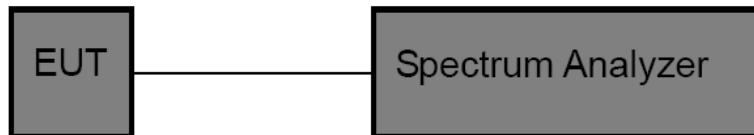
### 8.1 Test Standard and Limit

8.1.1 Test Standard  
FCC Part 15.407

8.1.2 Test Limit

FCC Part 15 Subpart C(15.407)		
Test Item	Limit	Frequency Range (MHz)
26 Bandwidth	N/A	5150~5250
		5250~5350
		5500~5700
6 dB Bandwidth	>500kHz	5725~5850

### 8.2 Test Setup



### 8.3 Test Procedure

- (1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
- (2) The setting of the spectrum analyser as below:

26dB Bandwidth Test	
Spectrum Parameters	Setting
Attenuation	Auto
Span	>26 dB Bandwidth
RBW	Approximately 1% of the emission bandwidth
VBW	VBW>RBW
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

6dB Bandwidth Test	
Spectrum Parameters	Setting
Attenuation	Auto
Span	>6 dB Bandwidth
RBW	100 kHz
VBW	VBW>=3*RBW
Detector	Peak
Trace	Max Hold
Sweep Time	Auto
99% Occupied Bandwidth Test	
Spectrum Parameters	Setting
Attenuation	Auto
RBW	1% to 5% of the OBW
VBW	$\geq 3\text{RBW}$
Detector	Peak
Trace	Max Hold

#### 8.4 Deviation From Test Standard

No deviation

#### 8.5 EUT Operating Condition

The EUT was set to continuously transmitting in each mode and low, Middle and high channel for the test.

#### 8.6 Test Data

Please refer to the Appendix D.

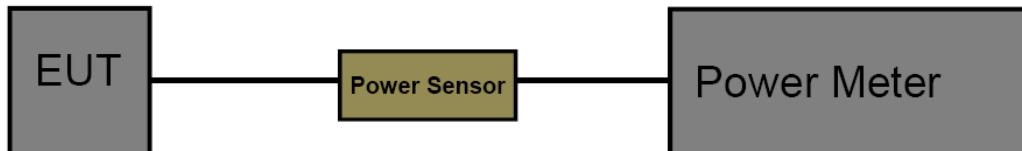
## 9. Maximum Conducted Output Power

### 9.1 Test Standard and Limit

- 9.1.1 Test Standard  
FCC Part 15.407 (a)
- 9.1.2 Test Limit

FCC Part 15 Subpart E(15.407)		
Test Item	Limit	Frequency Range(MHz)
Conducted Output Power	Fixed: 1 Watt (30dBm) Mobile and Portable: 250mW (24dBm)	5150~5250
	250mW (24dBm)	5250~5350
	250mW (24dBm)	5500~5700
	1 Watt (30dBm)	5725~5850

### 9.2 Test Setup



### 9.3 Test Procedure

The measurement is according to section 3 of KDB 789033 D02 General U-NII Test Procedures New Rules v02r01.

The EUT was connected to RF power meter via a broadband power sensor as show the block above.

### 9.4 Deviation From Test Standard

No deviation

### 9.5 EUT Operating Condition

The EUT was set to continuously transmitting in the max power during the test.

### 9.6 Test Date

Please refer to the Appendix D.

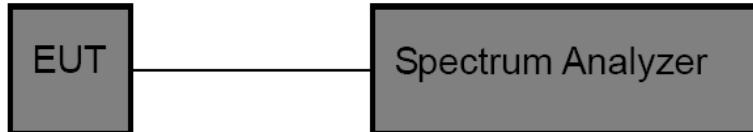
## 10. Power Spectral Density Test

### 10.1 Test Standard and Limit

- 10.1.1 Test Standard  
FCC Part 15.407 (a)
- 10.1.2 Test Limit

FCC Part 15 Subpart E(15.407)		
Test Item	Limit	Frequency Range(MHz)
Power Spectral Density	Other than Mobile and Portable : 17dBm/MHz	5150~5250
	Mobile and Portable : 11dBm/MHz	5250~5350
	11dBm/MHz	5500~5700
	30dBm/500kHz	5725~5850

### 9.2 Test Setup



### 10.3 Test Procedure

The EUT was directly connected to the Spectrum Analyzer and antenna output port as show in the block diagram above. The measurement is according to KDB 789033 D02 General U-NII Test Procedures New Rules v02r01.

- (1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
- (2) Set analyser centre frequency to transmitting frequency.
- (3) Set the span to encompass the entire emissions bandwidth (EBW)(alternatively, the entire 99% OBW) of the signal.
- (4) Set the RBW to: 1 MHz
- (5) Set the VBW to: 3 MHz
- (6) Detector: RMS
- (7) Trace: Max Hold
- (7) Sweep time: auto

- (8) Trace average at least 100 traces in power averaging.
- (9) Use the peak marker function to determine the maximum amplitude level within the RBW.  
Apply correction to the result if different RBW is used.

#### 10.4 Deviation From Test Standard

No deviation

#### 10.5 EUT Operating Condition

The EUT was set to continuously transmitting in each mode and low, Middle and high channel for the test.

#### 10.6 Test Data

Please refer to the Appendix D.

## 11. Frequency Stability Measurement

### 11.1 Test Standard and Limit

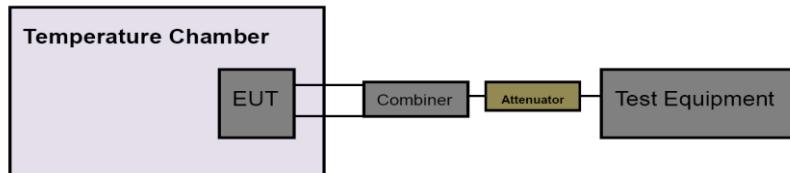
#### 11.1.1 Test Standard

FCC Part 15.407(g)

#### 11.1.2 Test Limit

FCC Part 15 Subpart C(15.407)		
Test Item	Limit	Frequency Range(MHz)
Frequency Stability Measurement	Manufacturers 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 users manual	5150~5250
		5250~5350
		5500~5700
		5725~5850

### 11.2 Test Setup



### 11.3 Test Procedure

The EUT was directly connected to the Spectrum Analyzer and antenna output port as show in the block diagram above.

- (1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
- (2) Set analyser centre frequency to transmitting frequency.
- (3) Set the span to encompass the entire emissions bandwidth (EBW) of the signal.
- (4) Set the RBW to: 10 kHz, VBW=10 kHz with peak detector and maxhold settings.
- (5) The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.
- (6) Extreme temperature is 0°C~50°C

### 11.4 Deviation From Test Standard

No deviation

## 11.5 EUT Operating Condition

The EUT was set to continuously transmitting in continuously un-modulation transmitting mode.

## 11.6 Test Data

Please refer to the Appendix D.

## 12. Antenna Requirement

### 12.1 Standard Requirement

#### 12.1.1 Standard

FCC Part 15.203

#### 12.1.2 Requirement

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.

### 12.2 Antenna Connected Construction

The gains of the antenna used for transmitting is 2dBi, and the antenna de-signed with permanent attachment and no consideration of replacement. Please see the EUT photo for details.

### 12.3 Deviation From Test Standard

No deviation

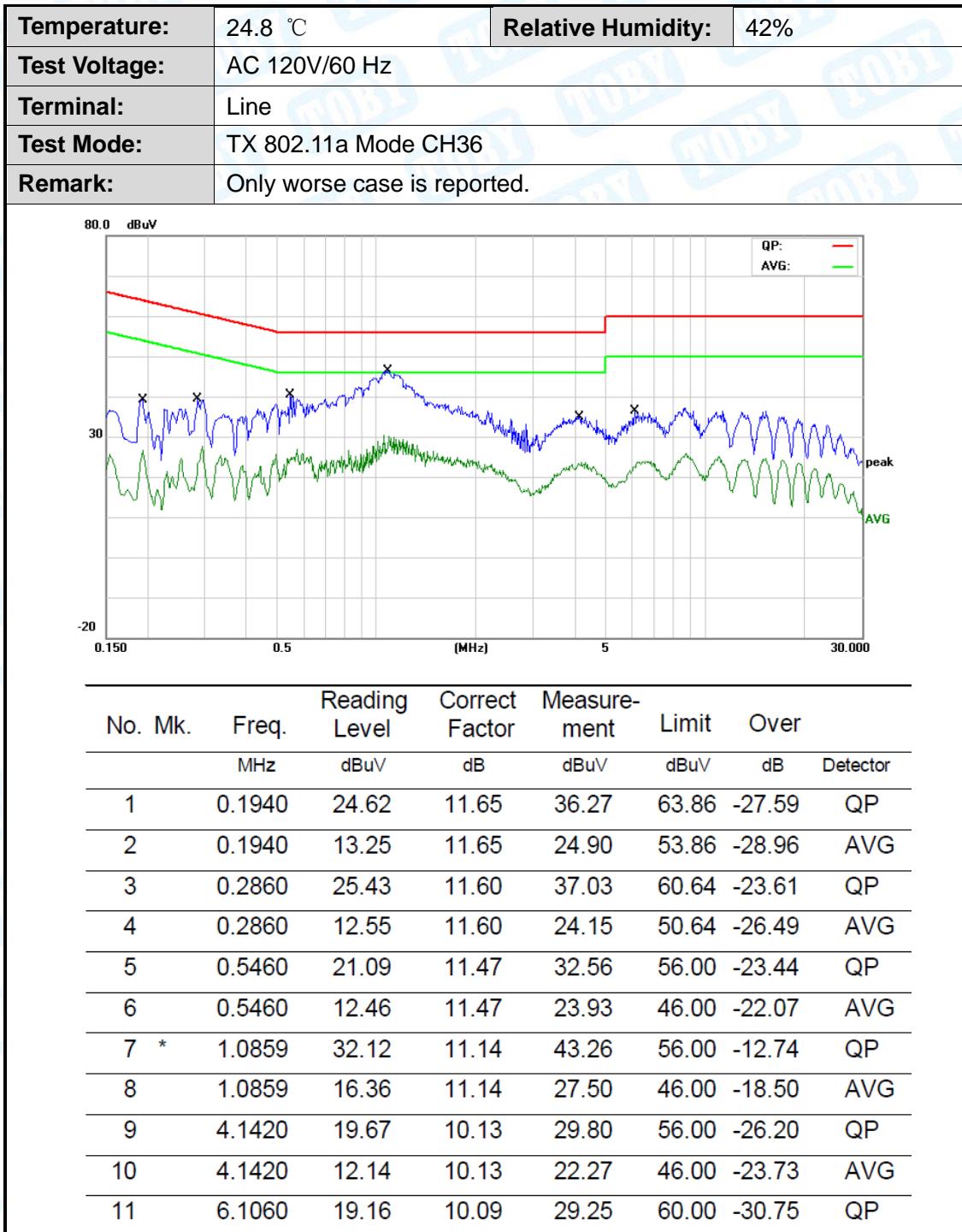
### 12.4 Result

The EUT antennas are FPC Antenna. It complies with the standard requirement.

Antenna Type
<input checked="" type="checkbox"/> Permanent attached antenna
<input type="checkbox"/> Unique connector antenna
<input type="checkbox"/> Professional installation antenna

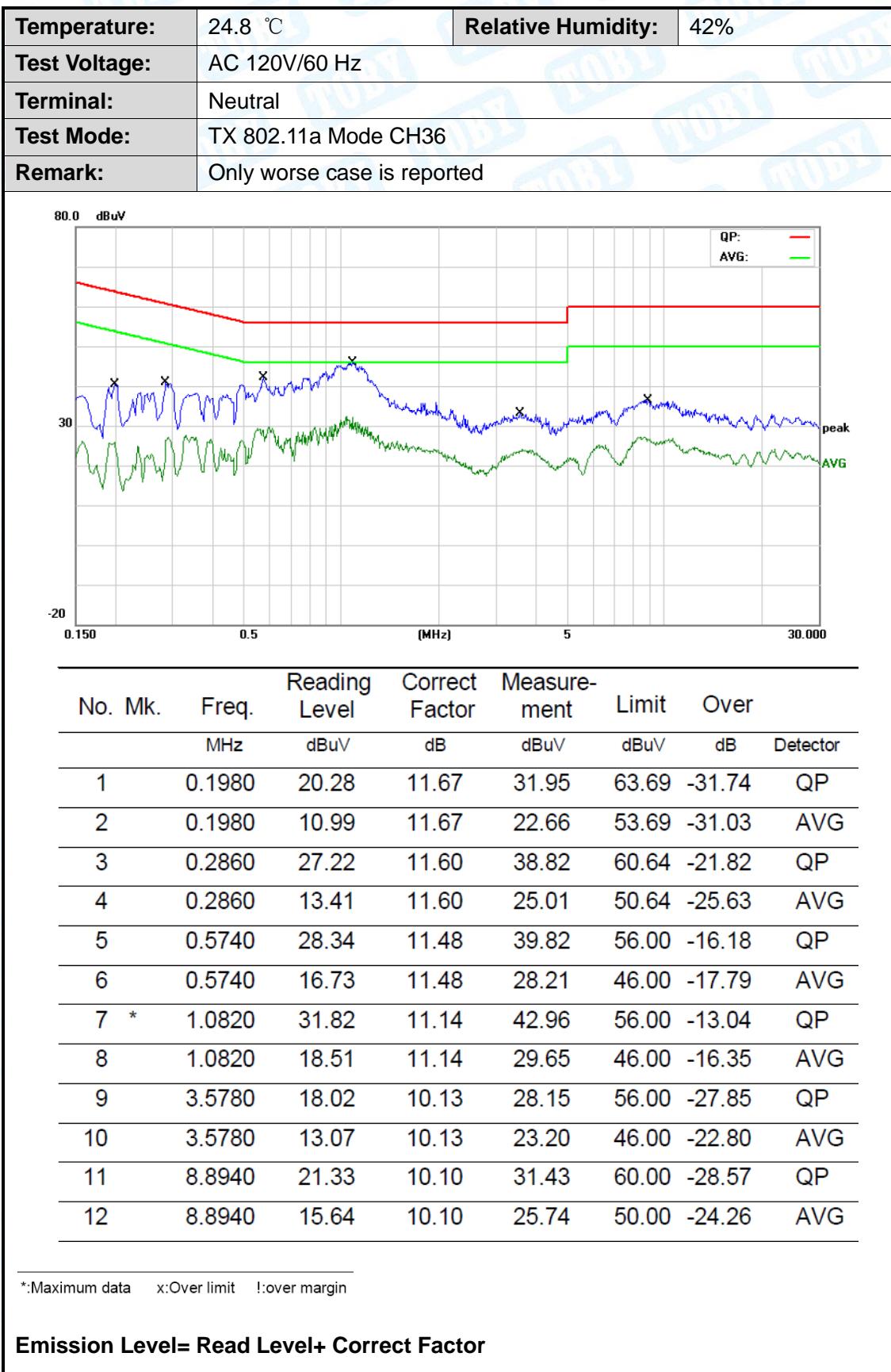
## Attachment A-- Conducted Emission Test Data

Remark: All channels have been tested and Shows only the worst channels.



\*:Maximum data    x:Over limit    !:over margin

Emission Level= Read Level+ Correct Factor



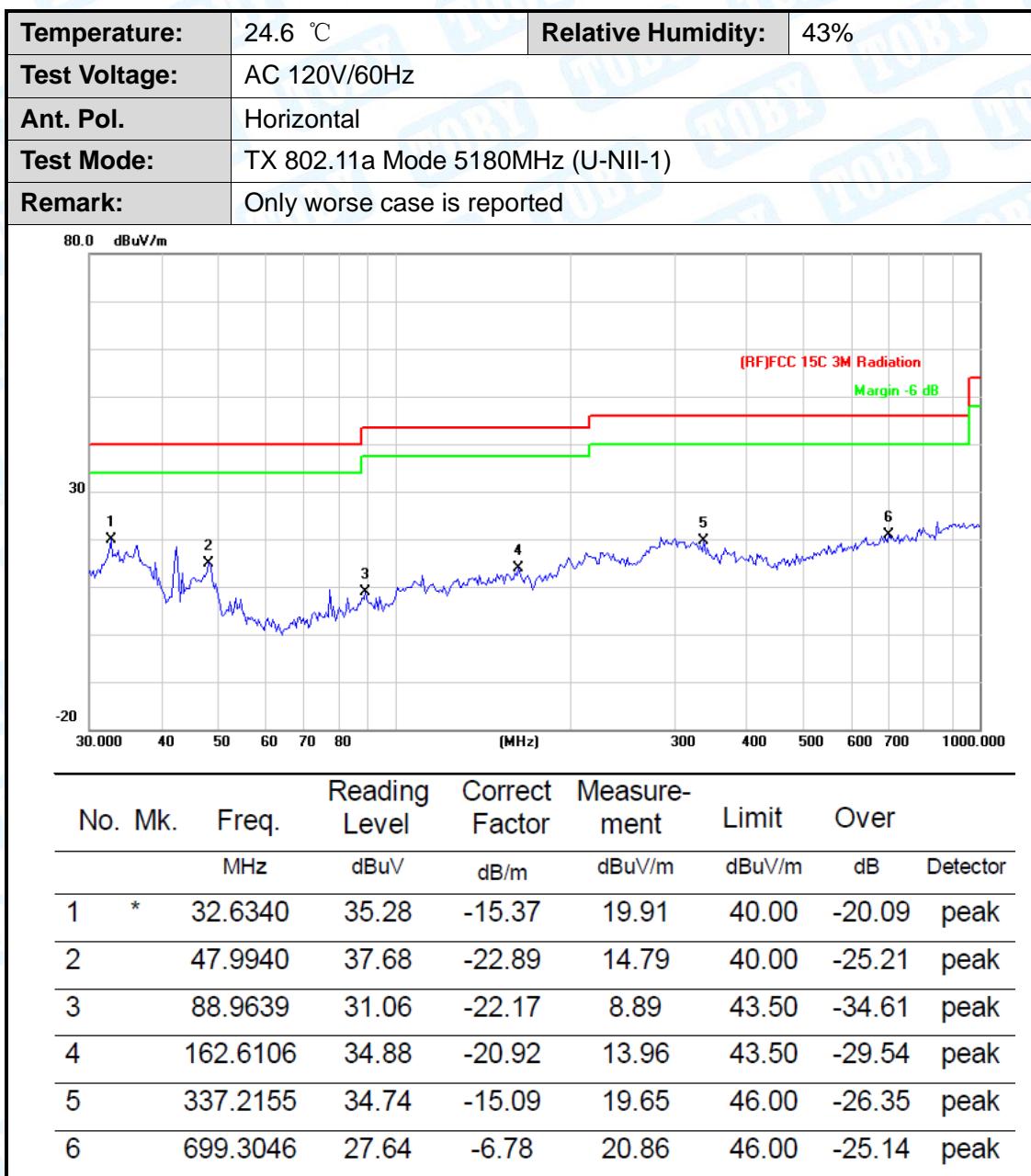
## Attachment B-- Radiated Emission Test Data

### 9 KHz~30 MHz

From 9 KHz to 30 MHz: Conclusion: PASS

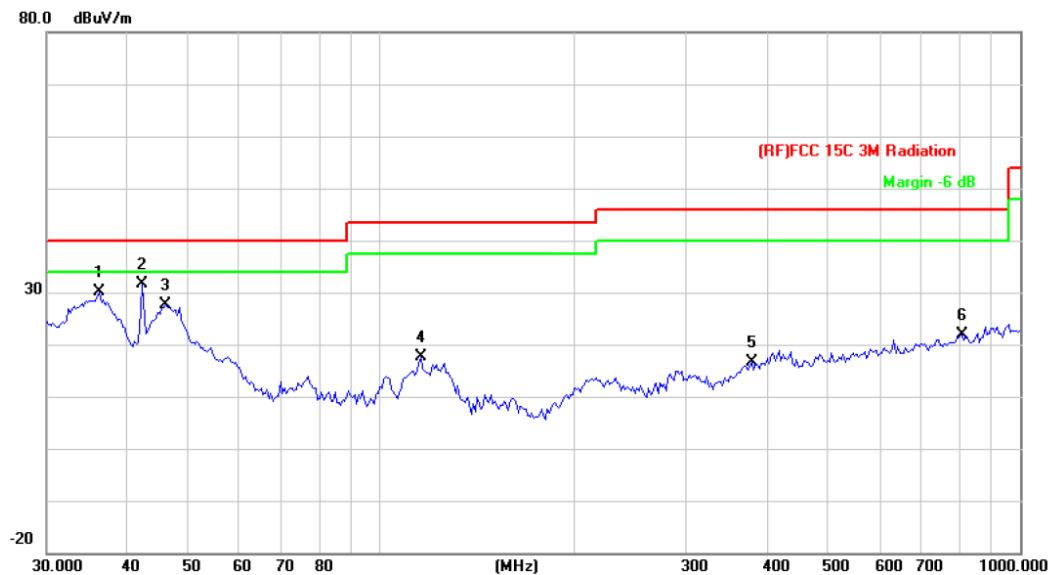
Note: The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

### 30MHz~1GHz



Emission Level= Read Level+ Correct Factor

Temperature:	24.6 °C	Relative Humidity:	43%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11a Mode 5180MHz (U-NII-1)		
Remark:	Only worse case is reported.		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		36.2541	47.73	-17.72	30.01	40.00	-9.99	peak
2	*	42.3022	52.11	-20.59	31.52	40.00	-8.48	peak
3		46.0164	49.94	-22.25	27.69	40.00	-12.31	peak
4		115.3205	40.09	-22.50	17.59	43.50	-25.91	peak
5		379.9141	30.02	-13.31	16.71	46.00	-29.29	peak
6		810.2654	27.48	-5.52	21.96	46.00	-24.04	peak

\*:Maximum data    x:Over limit    !:over margin

Emission Level= Read Level+ Correct Factor

## 5180MHz-5240MHz(U-NII-1)

Temperature:	23.4°C		Relative Humidity:	48%																											
Test Voltage:	AC 120V																														
Ant. Pol.	Horizontal																														
Test Mode:	TX 802.11a Mode 5180MHz (U-NII-1)																														
Remark:	No report for the emission which more than 10 dB below the prescribed limit. Only worse case is reported.																														
<table border="1"> <thead> <tr> <th>No.</th> <th>Frequency (MHz)</th> <th>Reading (dB<math>\mu</math>V)</th> <th>Factor (dB/m)</th> <th>Level (dB<math>\mu</math>V/m)</th> <th>Limit (dB<math>\mu</math>V/m)</th> <th>Margin (dB)</th> <th>Detector</th> </tr> </thead> <tbody> <tr> <td>1 *</td> <td>10359.670</td> <td>33.79</td> <td>6.08</td> <td>39.87</td> <td>54.00</td> <td>-14.13</td> <td>AVG</td> </tr> <tr> <td>2</td> <td>10360.142</td> <td>41.51</td> <td>6.08</td> <td>47.59</td> <td>68.30</td> <td>-20.71</td> <td>peak</td> </tr> </tbody> </table>								No.	Frequency (MHz)	Reading (dB $\mu$ V)	Factor (dB/m)	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Detector	1 *	10359.670	33.79	6.08	39.87	54.00	-14.13	AVG	2	10360.142	41.51	6.08	47.59	68.30	-20.71	peak
No.	Frequency (MHz)	Reading (dB $\mu$ V)	Factor (dB/m)	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Detector																								
1 *	10359.670	33.79	6.08	39.87	54.00	-14.13	AVG																								
2	10360.142	41.51	6.08	47.59	68.30	-20.71	peak																								
<p>Remark:</p> <ol style="list-style-type: none"> <li>1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)</li> <li>2. Peak/AVG (dB<math>\mu</math>V/m) = Corr. (dB/m) + Read Level (dB<math>\mu</math>V)</li> <li>3. Margin (dB) = Peak/AVG (dB<math>\mu</math>V/m) - Limit PK/AVG(dB<math>\mu</math>V/m)</li> <li>4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.</li> <li>5. No report for the emission which more than 20dB below the prescribed limit.</li> </ol>																															

Temperature:	23.4°C		Relative Humidity:	48%																											
Test Voltage:	AC 120V																														
Ant. Pol.	Vertical																														
Test Mode:	TX 802.11a Mode 5180MHz (U-NII-1)																														
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No.	Frequency (MHz)	Reading (dB $\mu$ V)	Factor (dB/m)	Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Detector																								
1 *	10359.509	33.71	6.08	39.79	54.00	-14.21	AVG																								
2	10360.278	40.41	6.08	46.49	68.30	-21.81	peak																								
<p>Remark:</p> <ol style="list-style-type: none"> <li>1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)</li> <li>2. Peak/AVG (dB<math>\mu</math>V/m) = Corr. (dB/m) + Read Level (dB<math>\mu</math>V)</li> <li>3. Margin (dB) = Peak/AVG (dB<math>\mu</math>V/m) - Limit PK/AVG(dB<math>\mu</math>V/m)</li> <li>4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.</li> <li>5. No report for the emission which more than 20dB below the prescribed limit.</li> </ol>																															

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%
<b>Test Voltage:</b>	AC 120V		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX 802.11a Mode 5200MHz (U-NII-1)		
<b>Remark:</b>	No report for the emission which more than 10 dB below the prescribed limit.		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	10399.627	33.64	6.19	39.83	54.00	-14.17	AVG
2	10400.237	42.79	6.19	48.98	68.30	-19.32	peak

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)
3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.
5. No report for the emission which more than 20dB below the prescribed limit.

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%
<b>Test Voltage:</b>	AC 120V		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX 802.11a Mode 5200MHz (U-NII-1)		
<b>Remark:</b>	No report for the emission which more than 10 dB below the prescribed limit.		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	10399.581	33.68	6.19	39.87	54.00	-14.13	AVG
2	10399.751	40.55	6.19	46.74	68.30	-21.56	peak

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)
3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.
5. No report for the emission which more than 20dB below the prescribed limit.

<b>Temperature:</b>	23.4°C		<b>Relative Humidity:</b>	48%																											
<b>Test Voltage:</b>	AC 120V																														
<b>Ant. Pol.</b>	Horizontal																														
<b>Test Mode:</b>	TX 802.11a Mode 5220MHz (U-NII-1)																														
<b>Remark:</b>	No report for the emission which more than 10 dB below the prescribed limit.																														
<table border="1"> <thead> <tr> <th>No.</th> <th>Frequency (MHz)</th> <th>Reading (dB<sub>u</sub>V)</th> <th>Factor (dB/m)</th> <th>Level (dB<sub>u</sub>V/m)</th> <th>Limit (dB<sub>u</sub>V/m)</th> <th>Margin (dB)</th> <th>Detector</th> </tr> </thead> <tbody> <tr> <td>1 *</td> <td>10440.198</td> <td>33.87</td> <td>6.26</td> <td>40.13</td> <td>54.00</td> <td>-13.87</td> <td>AVG</td> </tr> <tr> <td>2</td> <td>10440.290</td> <td>41.93</td> <td>6.26</td> <td>48.19</td> <td>68.30</td> <td>-20.11</td> <td>peak</td> </tr> </tbody> </table>								No.	Frequency (MHz)	Reading (dB <sub>u</sub> V)	Factor (dB/m)	Level (dB <sub>u</sub> V/m)	Limit (dB <sub>u</sub> V/m)	Margin (dB)	Detector	1 *	10440.198	33.87	6.26	40.13	54.00	-13.87	AVG	2	10440.290	41.93	6.26	48.19	68.30	-20.11	peak
No.	Frequency (MHz)	Reading (dB <sub>u</sub> V)	Factor (dB/m)	Level (dB <sub>u</sub> V/m)	Limit (dB <sub>u</sub> V/m)	Margin (dB)	Detector																								
1 *	10440.198	33.87	6.26	40.13	54.00	-13.87	AVG																								
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<b>Remark:</b> 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB) 2. Peak/AVG (dB <sub>u</sub> V/m) = Corr. (dB/m) + Read Level (dB <sub>u</sub> V) 3. Margin (dB) = Peak/AVG (dB <sub>u</sub> V/m) - Limit PK/AVG(dB <sub>u</sub> V/m) 4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. 5. No report for the emission which more than 20dB below the prescribed limit.																															

<b>Temperature:</b>	23.4°C		<b>Relative Humidity:</b>	48%																											
<b>Test Voltage:</b>	AC 120V																														
<b>Ant. Pol.</b>	Vertical																														
<b>Test Mode:</b>	TX 802.11a Mode 5220MHz (U-NII-1)																														
<b>Remark:</b>	No report for the emission which more than 10 dB below the prescribed limit.																														
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No.	Frequency (MHz)	Reading (dB <sub>u</sub> V)	Factor (dB/m)	Level (dB <sub>u</sub> V/m)	Limit (dB <sub>u</sub> V/m)	Margin (dB)	Detector																								
1 *	10440.186	33.98	6.26	40.24	54.00	-13.76	AVG																								
2	10440.226	42.40	6.26	48.66	68.30	-19.64	peak																								
<b>Remark:</b> 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB) 2. Peak/AVG (dB <sub>u</sub> V/m) = Corr. (dB/m) + Read Level (dB <sub>u</sub> V) 3. Margin (dB) = Peak/AVG (dB <sub>u</sub> V/m) - Limit PK/AVG(dB <sub>u</sub> V/m) 4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. 5. No report for the emission which more than 20dB below the prescribed limit.																															

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%
<b>Test Voltage:</b>	AC 120V		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX 802.11a Mode 5240MHz (U-NII-1)		
<b>Remark:</b>	No report for the emission which more than 10 dB below the prescribed limit.		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	10479.707	34.07	6.32	40.39	54.00	-13.61	AVG
2	10480.191	41.49	6.32	47.81	68.30	-20.49	peak

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dB $\mu$ V/m) = Corr. (dB/m) + Read Level (dB $\mu$ V)
3. Margin (dB) = Peak/AVG (dB $\mu$ V/m) - Limit PK/AVG(dB $\mu$ V/m)
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.
5. No report for the emission which more than 20dB below the prescribed limit.

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%
<b>Test Voltage:</b>	AC 120V		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX 802.11a Mode 5240MHz (U-NII-1)		
<b>Remark:</b>	No report for the emission which more than 10 dB below the prescribed limit.		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	10480.141	34.13	6.32	40.45	54.00	-13.55	AVG
2	10480.276	42.35	6.32	48.67	68.30	-19.63	peak

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dB $\mu$ V/m) = Corr. (dB/m) + Read Level (dB $\mu$ V)
3. Margin (dB) = Peak/AVG (dB $\mu$ V/m) - Limit PK/AVG(dB $\mu$ V/m)
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.
5. No report for the emission which more than 20dB below the prescribed limit.

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%																								
<b>Test Voltage:</b>	AC 120V																										
<b>Ant. Pol.</b>	Horizontal																										
<b>Test Mode:</b>	TX 802.11n(HT20) Mode 5180MHz (U-NII-1)																										
<b>Remark:</b>	No report for the emission which more than 10 dB below the prescribed limit. Only worse case is reported.																										
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No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector																				
1	10359.883	42.10	6.32	48.42	68.30	-19.88	peak																				
2 *	10359.887	33.98	6.32	40.30	54.00	-13.70	AVG																				
<b>Remark:</b> 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB) 2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V) 3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m) 4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. 5. No report for the emission which more than 20dB below the prescribed limit.																											

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%																								
<b>Test Voltage:</b>	AC 120V																										
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<b>Test Mode:</b>	TX 802.11n(HT20) Mode 5180MHz (U-NII-1)																										
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No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector																				
1	10360.540	41.13	6.32	47.45	68.30	-20.85	peak																				
2 *	10360.591	34.11	6.32	40.43	54.00	-13.57	AVG																				
<b>Remark:</b> 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB) 2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V) 3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m) 4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. 5. No report for the emission which more than 20dB below the prescribed limit.																											

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%
<b>Test Voltage:</b>	AC 120V		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX 802.11n(HT20) Mode 5200MHz (U-NII-1)		
<b>Remark:</b>	No report for the emission which more than 10 dB below the prescribed limit. Only worse case is reported.		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	10399.582	42.16	6.19	48.35	68.30	-19.95	peak
2 *	10399.676	33.58	6.19	39.77	54.00	-14.23	AVG

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)
3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.
5. No report for the emission which more than 20dB below the prescribed limit.

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%
<b>Test Voltage:</b>	AC 120V		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX 802.11n(HT20) Mode 5200MHz (U-NII-1)		
<b>Remark:</b>	No report for the emission which more than 10 dB below the prescribed limit. Only worse case is reported.		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	10399.629	33.59	6.19	39.78	54.00	-14.22	AVG
2	10399.804	40.93	6.19	47.12	68.30	-21.18	peak

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)
3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.
5. No report for the emission which more than 20dB below the prescribed limit.

<b>Temperature:</b>	23.4°C		<b>Relative Humidity:</b>	48%																											
<b>Test Voltage:</b>	AC 120V																														
<b>Ant. Pol.</b>	Horizontal																														
<b>Test Mode:</b>	TX 802.11n(HT20) Mode 5220MHz (U-NII-1)																														
<b>Remark:</b>	No report for the emission which more than 10 dB below the prescribed limit. Only worse case is reported.																														
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No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector																								
1 *	10439.687	34.00	6.26	40.26	54.00	-13.74	AVG																								
2	10440.190	42.69	6.26	48.95	68.30	-19.35	peak																								
<b>Remark:</b> 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB) 2. Peak/AVG (dB $\mu$ V/m) = Corr. (dB/m) + Read Level (dB $\mu$ V) 3. Margin (dB) = Peak/AVG (dB $\mu$ V/m) - Limit PK/AVG(dB $\mu$ V/m) 4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. 5. No report for the emission which more than 20dB below the prescribed limit.																															

<b>Temperature:</b>	23.4°C		<b>Relative Humidity:</b>	48%																											
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No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector																								
1	10439.563	41.14	6.26	47.40	68.30	-20.90	peak																								
2 *	10439.703	33.97	6.26	40.23	54.00	-13.77	AVG																								
<b>Remark:</b> 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB) 2. Peak/AVG (dB $\mu$ V/m) = Corr. (dB/m) + Read Level (dB $\mu$ V) 3. Margin (dB) = Peak/AVG (dB $\mu$ V/m) - Limit PK/AVG(dB $\mu$ V/m) 4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. 5. No report for the emission which more than 20dB below the prescribed limit.																															

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%
<b>Test Voltage:</b>	AC 120V		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX 802.11n(HT20) Mode 5240MHz (U-NII-1)		
<b>Remark:</b>	No report for the emission which more than 10 dB below the prescribed limit. Only worse case is reported.		

No.	Frequency (MHz)	Reading (dB <sub>u</sub> V)	Factor (dB/m)	Level (dB <sub>u</sub> V/m)	Limit (dB <sub>u</sub> V/m)	Margin (dB)	Detector
1	10479.667	42.37	6.32	48.69	68.30	-19.61	peak
2 *	10480.489	34.13	6.32	40.45	54.00	-13.55	AVG

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dB<sub>u</sub>V/m) = Corr. (dB/m) + Read Level (dB<sub>u</sub>V)
3. Margin (dB) = Peak/AVG (dB<sub>u</sub>V/m) - Limit PK/AVG(dB<sub>u</sub>V/m)
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.
5. No report for the emission which more than 20dB below the prescribed limit.

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%
<b>Test Voltage:</b>	AC 120V		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX 802.11n(HT20) Mode 5240MHz (U-NII-1)		
<b>Remark:</b>	No report for the emission which more than 10 dB below the prescribed limit. Only worse case is reported.		

No.	Frequency (MHz)	Reading (dB <sub>u</sub> V)	Factor (dB/m)	Level (dB <sub>u</sub> V/m)	Limit (dB <sub>u</sub> V/m)	Margin (dB)	Detector
1 *	10479.940	34.09	6.32	40.41	54.00	-13.59	AVG
2	10480.231	41.98	6.32	48.30	68.30	-20.00	peak

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dB<sub>u</sub>V/m) = Corr. (dB/m) + Read Level (dB<sub>u</sub>V)
3. Margin (dB) = Peak/AVG (dB<sub>u</sub>V/m) - Limit PK/AVG(dB<sub>u</sub>V/m)
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.
5. No report for the emission which more than 20dB below the prescribed limit.

<b>Temperature:</b>	23.4°C		<b>Relative Humidity:</b>	48%						
<b>Test Voltage:</b>	AC 120V									
<b>Ant. Pol.</b>	Horizontal									
<b>Test Mode:</b>	TX 802.11ac(VHT20) Mode 5180MHz (U-NII-1)									
<b>Remark:</b>										
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)										
2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)										
3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)										
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.										
5. No report for the emission which more than 20dB below the prescribed limit.										

<b>Temperature:</b>	23.4°C		<b>Relative Humidity:</b>	48%						
<b>Test Voltage:</b>	AC 120V									
<b>Ant. Pol.</b>	Vertical									
<b>Test Mode:</b>	TX 802.11ac(VHT20) Mode 5180MHz (U-NII-1)									
<b>Remark:</b>										
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)										
2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)										
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4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.										
5. No report for the emission which more than 20dB below the prescribed limit.										

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%
<b>Test Voltage:</b>	AC 120V		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX 802.11ac(VHT20) Mode 5200MHz (U-NII-1)		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	10399.582	33.56	6.19	39.75	54.00	-14.25	AVG
2	10400.367	41.59	6.19	47.78	68.30	-20.52	peak

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)
3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.
5. No report for the emission which more than 20dB below the prescribed limit.

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%
<b>Test Voltage:</b>	AC 120V		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX 802.11ac(VHT20) Mode 5200MHz (U-NII-1)		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	10399.572	41.67	6.19	47.86	68.30	-20.44	peak
2 *	10399.899	33.51	6.19	39.70	54.00	-14.30	AVG

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)
3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.
5. No report for the emission which more than 20dB below the prescribed limit.

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%																								
<b>Test Voltage:</b>	AC 120V																										
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No.	Frequency (MHz)	Reading (dB <sub>u</sub> V)	Factor (dB/m)	Level (dB <sub>u</sub> V/m)	Limit (dB <sub>u</sub> V/m)	Margin (dB)	Detector																				
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2 *	10440.439	33.86	6.26	40.12	54.00	-13.88	AVG																				
<b>Remark:</b> <ol style="list-style-type: none"> <li>1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)</li> <li>2. Peak/AVG (dB<sub>u</sub>V/m) = Corr. (dB/m) + Read Level (dB<sub>u</sub>V)</li> <li>3. Margin (dB) = Peak/AVG (dB<sub>u</sub>V/m) - Limit PK/AVG(dB<sub>u</sub>V/m)</li> <li>4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.</li> <li>5. No report for the emission which more than 20dB below the prescribed limit.</li> </ol>																											

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%																								
<b>Test Voltage:</b>	AC 120V																										
<b>Ant. Pol.</b>	Vertical																										
<b>Test Mode:</b>	TX 802.11ac(VHT20) Mode 5220MHz (U-NII-1)																										
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No.	Frequency (MHz)	Reading (dB <sub>u</sub> V)	Factor (dB/m)	Level (dB <sub>u</sub> V/m)	Limit (dB <sub>u</sub> V/m)	Margin (dB)	Detector																				
1	10440.442	40.74	6.26	47.00	68.30	-21.30	peak																				
2 *	10440.462	33.86	6.26	40.12	54.00	-13.88	AVG																				
<b>Remark:</b> <ol style="list-style-type: none"> <li>1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)</li> <li>2. Peak/AVG (dB<sub>u</sub>V/m) = Corr. (dB/m) + Read Level (dB<sub>u</sub>V)</li> <li>3. Margin (dB) = Peak/AVG (dB<sub>u</sub>V/m) - Limit PK/AVG(dB<sub>u</sub>V/m)</li> <li>4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.</li> <li>5. No report for the emission which more than 20dB below the prescribed limit.</li> </ol>																											

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%																								
<b>Test Voltage:</b>	AC 120V																										
<b>Ant. Pol.</b>	Horizontal																										
<b>Test Mode:</b>	TX 802.11 ac(VHT20) Mode 5240MHz (U-NII-1)																										
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>No.</th> <th>Frequency (MHz)</th> <th>Reading (dB<sub>u</sub>V)</th> <th>Factor (dB/m)</th> <th>Level (dB<sub>u</sub>V/m)</th> <th>Limit (dB<sub>u</sub>V/m)</th> <th>Margin (dB)</th> <th>Detector</th> </tr> </thead> <tbody> <tr> <td>1 *</td> <td>10480.107</td> <td>33.99</td> <td>6.32</td> <td>40.31</td> <td>54.00</td> <td>-13.69</td> <td>AVG</td> </tr> <tr> <td>2</td> <td>10480.292</td> <td>41.54</td> <td>6.32</td> <td>47.86</td> <td>68.30</td> <td>-20.44</td> <td>peak</td> </tr> </tbody> </table>				No.	Frequency (MHz)	Reading (dB <sub>u</sub> V)	Factor (dB/m)	Level (dB <sub>u</sub> V/m)	Limit (dB <sub>u</sub> V/m)	Margin (dB)	Detector	1 *	10480.107	33.99	6.32	40.31	54.00	-13.69	AVG	2	10480.292	41.54	6.32	47.86	68.30	-20.44	peak
No.	Frequency (MHz)	Reading (dB <sub>u</sub> V)	Factor (dB/m)	Level (dB <sub>u</sub> V/m)	Limit (dB <sub>u</sub> V/m)	Margin (dB)	Detector																				
1 *	10480.107	33.99	6.32	40.31	54.00	-13.69	AVG																				
2	10480.292	41.54	6.32	47.86	68.30	-20.44	peak																				
<b>Remark:</b> <ol style="list-style-type: none"> <li>1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)</li> <li>2. Peak/AVG (dB<sub>u</sub>V/m) = Corr. (dB/m) + Read Level (dB<sub>u</sub>V)</li> <li>3. Margin (dB) = Peak/AVG (dB<sub>u</sub>V/m) - Limit PK/AVG (dB<sub>u</sub>V/m)</li> <li>4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.</li> <li>5. No report for the emission which more than 20dB below the prescribed limit.</li> </ol>																											

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%																								
<b>Test Voltage:</b>	AC 120V																										
<b>Ant. Pol.</b>	Vertical																										
<b>Test Mode:</b>	TX 802.11ac(VHT20) Mode 5240MHz (U-NII-1)																										
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>No.</th> <th>Frequency (MHz)</th> <th>Reading (dB<sub>u</sub>V)</th> <th>Factor (dB/m)</th> <th>Level (dB<sub>u</sub>V/m)</th> <th>Limit (dB<sub>u</sub>V/m)</th> <th>Margin (dB)</th> <th>Detector</th> </tr> </thead> <tbody> <tr> <td>1 *</td> <td>10480.089</td> <td>34.01</td> <td>6.32</td> <td>40.33</td> <td>54.00</td> <td>-13.67</td> <td>AVG</td> </tr> <tr> <td>2</td> <td>10480.279</td> <td>41.95</td> <td>6.32</td> <td>48.27</td> <td>68.30</td> <td>-20.03</td> <td>peak</td> </tr> </tbody> </table>				No.	Frequency (MHz)	Reading (dB <sub>u</sub> V)	Factor (dB/m)	Level (dB <sub>u</sub> V/m)	Limit (dB <sub>u</sub> V/m)	Margin (dB)	Detector	1 *	10480.089	34.01	6.32	40.33	54.00	-13.67	AVG	2	10480.279	41.95	6.32	48.27	68.30	-20.03	peak
No.	Frequency (MHz)	Reading (dB <sub>u</sub> V)	Factor (dB/m)	Level (dB <sub>u</sub> V/m)	Limit (dB <sub>u</sub> V/m)	Margin (dB)	Detector																				
1 *	10480.089	34.01	6.32	40.33	54.00	-13.67	AVG																				
2	10480.279	41.95	6.32	48.27	68.30	-20.03	peak																				
<b>Remark:</b> <ol style="list-style-type: none"> <li>1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)</li> <li>2. Peak/AVG (dB<sub>u</sub>V/m) = Corr. (dB/m) + Read Level (dB<sub>u</sub>V)</li> <li>3. Margin (dB) = Peak/AVG (dB<sub>u</sub>V/m) - Limit PK/AVG (dB<sub>u</sub>V/m)</li> <li>4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.</li> <li>5. No report for the emission which more than 20dB below the prescribed limit.</li> </ol>																											

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%
<b>Test Voltage:</b>	AC 120V		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX 802.11n(HT40) Mode 5190MHz (U-NII-1)		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	10379.824	33.79	6.13	39.92	54.00	-14.08	AVG
2	10380.462	41.24	6.14	47.38	68.30	-20.92	peak

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)
3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.
5. No report for the emission which more than 20dB below the prescribed limit.

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%
<b>Test Voltage:</b>	AC 120V		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX 802.11n(HT40) Mode 5190MHz (U-NII-1)		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	10379.814	33.71	6.13	39.84	54.00	-14.16	AVG
2	10379.879	40.83	6.13	46.96	68.30	-21.34	peak

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)
3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.
5. No report for the emission which more than 20dB below the prescribed limit.

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%
<b>Test Voltage:</b>	AC 120V		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX 802.11n(HT40) Mode 5230MHz (U-NII-1)		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	10459.846	41.32	6.29	47.61	68.30	-20.69	peak
2 *	10460.367	34.01	6.29	40.30	54.00	-13.70	AVG

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)
3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.
5. No report for the emission which more than 20dB below the prescribed limit.

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%
<b>Test Voltage:</b>	AC 120V		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX 802.11n(HT40) Mode 5230MHz (U-NII-1)		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	10459.925	34.00	6.29	40.29	54.00	-13.71	AVG
2	10460.198	41.53	6.29	47.82	68.30	-20.48	peak

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)
3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.
5. No report for the emission which more than 20dB below the prescribed limit.

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%
<b>Test Voltage:</b>	AC 120V		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX 802.11ac(VHT40) Mode 5190MHz (U-NII-1)		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	10379.698	41.59	6.13	47.72	68.30	-20.58	peak
2 *	10379.787	33.96	6.13	40.09	54.00	-13.91	AVG

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)
3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.
5. No report for the emission which more than 20dB below the prescribed limit.

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%
<b>Test Voltage:</b>	AC 120V		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX 802.11ac(VHT40) Mode 5190MHz (U-NII-1)		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	10380.018	33.89	6.13	40.02	54.00	-13.98	AVG
2	10380.036	41.22	6.13	47.35	68.30	-20.95	peak

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)
3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.
5. No report for the emission which more than 20dB below the prescribed limit.

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%
<b>Test Voltage:</b>	AC 120V		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX 802.11ac(VHT40) Mode 5230MHz (U-NII-1)		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	10459.978	34.17	6.29	40.46	54.00	-13.54	AVG
2	10460.222	47.31	6.29	53.60	68.30	-14.70	peak

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)
3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.
5. No report for the emission which more than 20dB below the prescribed limit.

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%
<b>Test Voltage:</b>	AC 120V		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX 802.11ac(VHT40) Mode 5230MHz (U-NII-1)		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	10459.946	34.10	6.29	40.39	54.00	-13.61	AVG
2	10460.401	42.56	6.29	48.85	68.30	-19.45	peak

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)
3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.
5. No report for the emission which more than 20dB below the prescribed limit.

Temperature:	23.4°C	Relative Humidity:	48%
Test Voltage:	AC 120V		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11ac(VHT80) Mode 5210MHz (U-NII-1)		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	10419.724	34.09	6.23	40.32	54.00	-13.68	AVG
2	10420.303	42.24	6.23	48.47	68.30	-19.83	peak

## Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)
3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.
5. No report for the emission which more than 20dB below the prescribed limit.

Temperature:	23.4°C	Relative Humidity:	48%
Test Voltage:	AC 120V		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11ac(VHT80) Mode 5210MHz (U-NII-1)		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	10419.803	34.03	6.23	40.26	54.00	-13.74	AVG
2	10419.967	42.62	6.23	48.85	68.30	-19.45	peak

## Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)
3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.
5. No report for the emission which more than 20dB below the prescribed limit.

## 5745MHz-5825MHz(U-NII-3)

Temperature:	23.4°C		Relative Humidity:	48%																											
Test Voltage:	AC 120V																														
Ant. Pol.	Horizontal																														
Test Mode:	TX 802.11a Mode 5745MHz (U-NII-3)																														
Remark:	No report for the emission which more than 10 dB below the prescribed limit.																														
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No.	Frequency (MHz)	Reading (dB <sub>u</sub> V)	Factor (dB/m)	Level (dB <sub>u</sub> V/m)	Limit (dB <sub>u</sub> V/m)	Margin (dB)	Detector																								
1 *	11490.197	33.16	8.30	41.46	54.00	-12.54	AVG																								
2	11490.391	41.07	8.30	49.37	68.30	-18.93	peak																								
<p>Remark:</p> <ol style="list-style-type: none"> <li>1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)</li> <li>2. Peak/AVG (dB<sub>u</sub>V/m)= Corr. (dB/m)+ Read Level (dB<sub>u</sub>V)</li> <li>3. Margin (dB) = Peak/AVG (dB<sub>u</sub>V/m)-Limit PK/AVG(dB<sub>u</sub>V/m)</li> <li>4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.</li> <li>5. No report for the emission which more than 20dB below the prescribed limit.</li> </ol>																															

Temperature:	23.4°C		Relative Humidity:	48%																											
Test Voltage:	AC 120V																														
Ant. Pol.	Vertical																														
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No.	Frequency (MHz)	Reading (dB <sub>u</sub> V)	Factor (dB/m)	Level (dB <sub>u</sub> V/m)	Limit (dB <sub>u</sub> V/m)	Margin (dB)	Detector																								
1	11489.567	40.22	8.31	48.53	68.30	-19.77	peak																								
2 *	11489.646	33.12	8.31	41.43	54.00	-12.57	AVG																								
<p>Remark:</p> <ol style="list-style-type: none"> <li>1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)</li> <li>2. Peak/AVG (dB<sub>u</sub>V/m)= Corr. (dB/m)+ Read Level (dB<sub>u</sub>V)</li> <li>3. Margin (dB) = Peak/AVG (dB<sub>u</sub>V/m)-Limit PK/AVG(dB<sub>u</sub>V/m)</li> <li>4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.</li> <li>5. No report for the emission which more than 20dB below the prescribed limit.</li> </ol>																															

<b>Temperature:</b>	23.4°C		<b>Relative Humidity:</b>	48%																											
<b>Test Voltage:</b>	AC 120V																														
<b>Ant. Pol.</b>	Horizontal																														
<b>Test Mode:</b>	TX 802.11a Mode 5765MHz (U-NII-3)																														
<b>Remark:</b>	No report for the emission which more than 10 dB below the prescribed limit.																														
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No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector																								
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<p><b>Remark:</b></p> <ol style="list-style-type: none"> <li>1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)</li> <li>2. Peak/AVG (dB<math>\mu</math>V/m)= Corr. (dB/m)+ Read Level (dB<math>\mu</math>V)</li> <li>3. Margin (dB) = Peak/AVG (dB<math>\mu</math>V/m)-Limit PK/AVG(dB<math>\mu</math>V/m)</li> <li>4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.</li> <li>5. No report for the emission which more than 20dB below the prescribed limit.</li> </ol>																															

<b>Temperature:</b>	23.4°C		<b>Relative Humidity:</b>	48%																											
<b>Test Voltage:</b>	AC 120V																														
<b>Ant. Pol.</b>	Vertical																														
<b>Test Mode:</b>	TX 802.11a Mode 5765MHz (U-NII-3)																														
<b>Remark:</b>	No report for the emission which more than 10 dB below the prescribed limit.																														
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No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector																								
1	11529.677	40.91	8.15	49.06	68.30	-19.24	peak																								
2 *	11529.701	33.23	8.15	41.38	54.00	-12.62	AVG																								
<p><b>Remark:</b></p> <ol style="list-style-type: none"> <li>1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)</li> <li>2. Peak/AVG (dB<math>\mu</math>V/m)= Corr. (dB/m)+ Read Level (dB<math>\mu</math>V)</li> <li>3. Margin (dB) = Peak/AVG (dB<math>\mu</math>V/m)-Limit PK/AVG(dB<math>\mu</math>V/m)</li> <li>4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.</li> <li>5. No report for the emission which more than 20dB below the prescribed limit.</li> </ol>																															

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No.	Frequency (MHz)	Reading (dB <sub>u</sub> V)	Factor (dB/m)	Level (dB <sub>u</sub> V/m)	Limit (dB <sub>u</sub> V/m)	Margin (dB)	Detector																								
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<b>Remark:</b> 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB) 2. Peak/AVG (dB <sub>u</sub> V/m) = Corr. (dB/m) + Read Level (dB <sub>u</sub> V) 3. Margin (dB) = Peak/AVG (dB <sub>u</sub> V/m) - Limit PK/AVG(dB <sub>u</sub> V/m) 4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. 5. No report for the emission which more than 20dB below the prescribed limit.																															

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%																												
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No.	Frequency (MHz)	Reading (dB <sub>u</sub> V)	Factor (dB/m)	Level (dB <sub>u</sub> V/m)	Limit (dB <sub>u</sub> V/m)	Margin (dB)	Detector																								
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2 *	11570.341	34.29	7.96	42.25	54.00	-11.75	AVG																								
<b>Remark:</b> 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB) 2. Peak/AVG (dB <sub>u</sub> V/m) = Corr. (dB/m) + Read Level (dB <sub>u</sub> V) 3. Margin (dB) = Peak/AVG (dB <sub>u</sub> V/m) - Limit PK/AVG(dB <sub>u</sub> V/m) 4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. 5. No report for the emission which more than 20dB below the prescribed limit.																															

<b>Temperature:</b>	23.4°C		<b>Relative Humidity:</b>	48%							
<b>Test Voltage:</b>	AC 120V										
<b>Ant. Pol.</b>	Horizontal										
<b>Test Mode:</b>	TX 802.11a Mode 5805MHz (U-NII-3)										
<b>Remark:</b>	No report for the emission which more than 10 dB below the prescribed limit.										
<b>No.</b>	<b>Frequency (MHz)</b>	<b>Reading (dB<sub>u</sub>V)</b>	<b>Factor (dB/m)</b>	<b>Level (dB<sub>u</sub>V/m)</b>	<b>Limit (dB<sub>u</sub>V/m)</b>	<b>Margin (dB)</b>	<b>Detector</b>				
1	11609.608	40.19	7.81	48.00	68.30	-20.30	peak				
2 *	11610.432	34.48	7.81	42.29	54.00	-11.71	AVG				
<b>Remark:</b> 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB) 2. Peak/AVG (dB <sub>u</sub> V/m)= Corr. (dB/m)+ Read Level (dB <sub>u</sub> V) 3. Margin (dB) = Peak/AVG (dB <sub>u</sub> V/m)-Limit PK/AVG(dB <sub>u</sub> V/m) 4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. 5. No report for the emission which more than 20dB below the prescribed limit.											

<b>Temperature:</b>	23.4°C		<b>Relative Humidity:</b>	48%							
<b>Test Voltage:</b>	AC 120V										
<b>Ant. Pol.</b>	Vertical										
<b>Test Mode:</b>	TX 802.11a Mode 5805MHz (U-NII-3)										
<b>Remark:</b>	No report for the emission which more than 10 dB below the prescribed limit.										
<b>No.</b>	<b>Frequency (MHz)</b>	<b>Reading (dB<sub>u</sub>V)</b>	<b>Factor (dB/m)</b>	<b>Level (dB<sub>u</sub>V/m)</b>	<b>Limit (dB<sub>u</sub>V/m)</b>	<b>Margin (dB)</b>	<b>Detector</b>				
1 *	11609.824	34.45	7.81	42.26	54.00	-11.74	AVG				
2	11610.304	41.33	7.81	49.14	68.30	-19.16	peak				
<b>Remark:</b> 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB) 2. Peak/AVG (dB <sub>u</sub> V/m)= Corr. (dB/m)+ Read Level (dB <sub>u</sub> V) 3. Margin (dB) = Peak/AVG (dB <sub>u</sub> V/m)-Limit PK/AVG(dB <sub>u</sub> V/m) 4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. 5. No report for the emission which more than 20dB below the prescribed limit.											

<b>Temperature:</b>	23.4°C		<b>Relative Humidity:</b>	48%							
<b>Test Voltage:</b>	AC 120V										
<b>Ant. Pol.</b>	Horizontal										
<b>Test Mode:</b>	TX 802.11a Mode 5825MHz (U-NII-3)										
<b>Remark:</b>	No report for the emission which more than 10 dB below the prescribed limit.										
<b>No.</b>	<b>Frequency (MHz)</b>	<b>Reading (dBuV)</b>	<b>Factor (dB/m)</b>	<b>Level (dBuV/m)</b>	<b>Limit (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Detector</b>				
1	11649.904	40.05	7.83	47.88	68.30	-20.42	peak				
2 *	11650.240	34.00	7.82	41.82	54.00	-12.18	AVG				
<b>Remark:</b> 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB) 2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V) 3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m) 4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. 5. No report for the emission which more than 20dB below the prescribed limit.											

<b>Temperature:</b>	23.4°C		<b>Relative Humidity:</b>	48%							
<b>Test Voltage:</b>	AC 120V										
<b>Ant. Pol.</b>	Vertical										
<b>Test Mode:</b>	TX 802.11a Mode 5825MHz (U-NII-3)										
<b>Remark:</b>	No report for the emission which more than 10 dB below the prescribed limit.										
<b>No.</b>	<b>Frequency (MHz)</b>	<b>Reading (dBuV)</b>	<b>Factor (dB/m)</b>	<b>Level (dBuV/m)</b>	<b>Limit (dBuV/m)</b>	<b>Margin (dB)</b>	<b>Detector</b>				
1	11649.648	39.70	7.83	47.53	68.30	-20.77	peak				
2 *	11650.296	34.03	7.82	41.85	54.00	-12.15	AVG				
<b>Remark:</b> 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB) 2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V) 3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m) 4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. 5. No report for the emission which more than 20dB below the prescribed limit.											

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%
<b>Test Voltage:</b>	AC 120V		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX 802.11n(HT20) Mode 5745MHz (U-NII-3)		
<b>Remark:</b>			
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)			
2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)			
3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)			
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.			
5. No report for the emission which more than 20dB below the prescribed limit.			

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%
<b>Test Voltage:</b>	AC 120V		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX 802.11n(HT20) Mode 5745MHz (U-NII-3)		
<b>Remark:</b>			
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)			
2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)			
3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)			
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.			
5. No report for the emission which more than 20dB below the prescribed limit.			

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%
<b>Test Voltage:</b>	AC 120V		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX 802.11n(HT20) Mode 5765MHz (U-NII-3)		
<b>Remark:</b>			
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)			
2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)			
3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)			
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.			
5. No report for the emission which more than 20dB below the prescribed limit.			

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%
<b>Test Voltage:</b>	AC 120V		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX 802.11n(HT20) Mode 5765MHz (U-NII-3)		
<b>Remark:</b>			
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)			
2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)			
3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)			
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.			
5. No report for the emission which more than 20dB below the prescribed limit.			

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%
<b>Test Voltage:</b>	AC 120V		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX 802.11n(HT20) Mode 5785MHz (U-NII-3)		
<b>Remark:</b>			
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)			
2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)			
3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)			
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.			
5. No report for the emission which more than 20dB below the prescribed limit.			

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%
<b>Test Voltage:</b>	AC 120V		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX 802.11n(HT20) Mode 5785MHz (U-NII-3)		
<b>Remark:</b>			
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)			
2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)			
3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)			
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.			
5. No report for the emission which more than 20dB below the prescribed limit.			

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%
<b>Test Voltage:</b>	AC 120V		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX 802.11n(HT20) Mode 5805MHz (U-NII-3)		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	11609.608	40.19	7.81	48.00	68.30	-20.30	peak
2 *	11610.432	34.48	7.81	42.29	54.00	-11.71	AVG

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)
3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.
5. No report for the emission which more than 20dB below the prescribed limit.

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%
<b>Test Voltage:</b>	AC 120V		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX 802.11n(HT20) Mode 5805MHz (U-NII-3)		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	11609.824	34.45	7.81	42.26	54.00	-11.74	AVG
2	11610.304	41.33	7.81	49.14	68.30	-19.16	peak

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)
3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.
5. No report for the emission which more than 20dB below the prescribed limit.

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%
<b>Test Voltage:</b>	AC 120V		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX 802.11n(HT20) Mode 5825MHz (U-NII-3)		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	11649.802	39.40	7.83	47.23	68.30	-21.07	peak
2 *	11649.835	32.01	7.83	39.84	54.00	-14.16	AVG

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)
3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.
5. No report for the emission which more than 20dB below the prescribed limit.

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%
<b>Test Voltage:</b>	AC 120V		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX 802.11n(HT20) Mode 5825MHz (U-NII-3)		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	11649.654	32.09	7.83	39.92	54.00	-14.08	AVG
2	11649.738	41.00	7.83	48.83	68.30	-19.47	peak

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)
3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency.
5. No report for the emission which more than 20dB below the prescribed limit.

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%
<b>Test Voltage:</b>	AC 120V		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX 802.11ac(VHT20) Mode 5745MHz (U-NII-3)		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	11489.697	32.95	8.31	41.26	54.00	-12.74	AVG
2	11489.853	40.24	8.30	48.54	68.30	-19.76	peak

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)
3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.
5. No report for the emission which more than 20dB below the prescribed limit.

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%
<b>Test Voltage:</b>	AC 120V		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX 802.11ac(VHT20) Mode 5745MHz (U-NII-3)		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	11490.265	32.94	8.30	41.24	54.00	-12.76	AVG
2	11490.361	41.80	8.30	50.10	68.30	-18.20	peak

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)
3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.
5. No report for the emission which more than 20dB below the prescribed limit.

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%
<b>Test Voltage:</b>	AC 120V		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX 802.11ac(VHT20) Mode 5765MHz (U-NII-3)		
<b>Remark:</b>			
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)			
2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)			
3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)			
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.			
5. No report for the emission which more than 20dB below the prescribed limit.			

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%
<b>Test Voltage:</b>	AC 120V		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX 802.11ac(VHT20) Mode 5765MHz (U-NII-3)		
<b>Remark:</b>			
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)			
2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)			
3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)			
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.			
5. No report for the emission which more than 20dB below the prescribed limit.			

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%
<b>Test Voltage:</b>	AC 120V		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX 802.11ac(VHT20) Mode 5785MHz (U-NII-3)		
<b>Remark:</b>			
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)			
2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)			
3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)			
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.			
5. No report for the emission which more than 20dB below the prescribed limit.			

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%
<b>Test Voltage:</b>	AC 120V		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX 802.11ac(VHT20) Mode 5785MHz (U-NII-3)		
<b>Remark:</b>			
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)			
2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)			
3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)			
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.			
5. No report for the emission which more than 20dB below the prescribed limit.			

<b>Temperature:</b>	23.4 °C		<b>Relative Humidity:</b>	48%						
<b>Test Voltage:</b>	AC 120V									
<b>Ant. Pol.</b>	Horizontal									
<b>Test Mode:</b>	TX 802.11ac(VHT20) Mode 5805MHz (U-NII-3)									
<b>Remark:</b>										
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)										
2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)										
3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)										
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.										
5. No report for the emission which more than 20dB below the prescribed limit.										

<b>Temperature:</b>	23.4 °C		<b>Relative Humidity:</b>	48%						
<b>Test Voltage:</b>	AC 120V									
<b>Ant. Pol.</b>	Vertical									
<b>Test Mode:</b>	TX 802.11ac(VHT20) Mode 5805MHz (U-NII-3)									
<b>Remark:</b>										
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)										
2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)										
3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)										
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.										
5. No report for the emission which more than 20dB below the prescribed limit.										

<b>Temperature:</b>	23.4 °C		<b>Relative Humidity:</b>	48%						
<b>Test Voltage:</b>	AC 120V									
<b>Ant. Pol.</b>	Horizontal									
<b>Test Mode:</b>	TX 802.11ac(VHT20) Mode 5825MHz (U-NII-3)									
<b>Remark:</b>										
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)										
2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)										
3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)										
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.										
5. No report for the emission which more than 20dB below the prescribed limit.										

<b>Temperature:</b>	23.4 °C		<b>Relative Humidity:</b>	48%						
<b>Test Voltage:</b>	AC 120V									
<b>Ant. Pol.</b>	Vertical									
<b>Test Mode:</b>	TX 802.11ac(VHT20) Mode 5825MHz (U-NII-3)									
<b>Remark:</b>										
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)										
2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)										
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5. No report for the emission which more than 20dB below the prescribed limit.										

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%
<b>Test Voltage:</b>	AC 120V		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX 802.11n(HT40) Mode 5755MHz (U-NII-3)		
<b>Remark:</b>			
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)			
2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)			
3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)			
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.			
5. No report for the emission which more than 20dB below the prescribed limit.			

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%
<b>Test Voltage:</b>	AC 120V		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX 802.11n(HT40) Mode 5755MHz (U-NII-3)		
<b>Remark:</b>			
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)			
2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)			
3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)			
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.			
5. No report for the emission which more than 20dB below the prescribed limit.			

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%
<b>Test Voltage:</b>	AC 120V		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX 802.11n(HT40) Mode 5795MHz (U-NII-3)		
<b>Remark:</b>			
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)			
2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)			
3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)			
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.			
5. No report for the emission which more than 20dB below the prescribed limit.			

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%
<b>Test Voltage:</b>	AC 120V		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX 802.11n(HT40) Mode 5795MHz (U-NII-3)		
<b>Remark:</b>			
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)			
2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)			
3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)			
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5. No report for the emission which more than 20dB below the prescribed limit.			

<b>Temperature:</b>	23.4°C		<b>Relative Humidity:</b>	48%						
<b>Test Voltage:</b>	AC 120V									
<b>Ant. Pol.</b>	Horizontal									
<b>Test Mode:</b>	TX 802.11ac(VHT40) Mode 5755MHz (U-NII-3)									
<b>Remark:</b>	<ol style="list-style-type: none"> <li>1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)</li> <li>2. Peak/AVG (dB<math>\mu</math>V/m)= Corr. (dB/m)+ Read Level (dB<math>\mu</math>V)</li> <li>3. Margin (dB) = Peak/AVG (dB<math>\mu</math>V/m)-Limit PK/AVG(dB<math>\mu</math>V/m)</li> <li>4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.</li> <li>5. No report for the emission which more than 20dB below the prescribed limit.</li> </ol>									

<b>Temperature:</b>	23.4°C		<b>Relative Humidity:</b>	48%						
<b>Test Voltage:</b>	AC 120V									
<b>Ant. Pol.</b>	Vertical									
<b>Test Mode:</b>	TX 802.11ac(VHT40) Mode 5755MHz (U-NII-3)									
<b>Remark:</b>	<ol style="list-style-type: none"> <li>1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)</li> <li>2. Peak/AVG (dB<math>\mu</math>V/m)= Corr. (dB/m)+ Read Level (dB<math>\mu</math>V)</li> <li>3. Margin (dB) = Peak/AVG (dB<math>\mu</math>V/m)-Limit PK/AVG(dB<math>\mu</math>V/m)</li> <li>4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.</li> <li>5. No report for the emission which more than 20dB below the prescribed limit.</li> </ol>									

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<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>No.</th> <th>Frequency (MHz)</th> <th>Reading (dBuV)</th> <th>Factor (dB/m)</th> <th>Level (dBuV/m)</th> <th>Limit (dBuV/m)</th> <th>Margin (dB)</th> <th>Detector</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>11589.537</td> <td>41.12</td> <td>7.87</td> <td>48.99</td> <td>68.30</td> <td>-19.31</td> <td>peak</td> </tr> <tr> <td>2 *</td> <td>11589.841</td> <td>32.64</td> <td>7.87</td> <td>40.51</td> <td>54.00</td> <td>-13.49</td> <td>AVG</td> </tr> </tbody> </table>				No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	1	11589.537	41.12	7.87	48.99	68.30	-19.31	peak	2 *	11589.841	32.64	7.87	40.51	54.00	-13.49	AVG
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector																				
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<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%																								
<b>Test Voltage:</b>	AC 120V																										
<b>Ant. Pol.</b>	Vertical																										
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<b>Remark:</b> 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB) 2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V) 3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m) 4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz. 5. No report for the emission which more than 20dB below the prescribed limit.																											

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%
<b>Test Voltage:</b>	AC 120V		
<b>Ant. Pol.</b>	Horizontal		
<b>Test Mode:</b>	TX 802.11ac(VHT80) Mode 5775MHz (U-NII-3)		
<b>Remark:</b>			
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)			
2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)			
3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)			
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.			
5. No report for the emission which more than 20dB below the prescribed limit.			

<b>Temperature:</b>	23.4°C	<b>Relative Humidity:</b>	48%
<b>Test Voltage:</b>	AC 120V		
<b>Ant. Pol.</b>	Vertical		
<b>Test Mode:</b>	TX 802.11ac(VHT80) Mode 5775MHz (U-NII-3)		
<b>Remark:</b>			
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)			
2. Peak/AVG (dB $\mu$ V/m)= Corr. (dB/m)+ Read Level (dB $\mu$ V)			
3. Margin (dB) = Peak/AVG (dB $\mu$ V/m)-Limit PK/AVG(dB $\mu$ V/m)			
4. The tests evaluated 1-40GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency or 40GHz.			
5. No report for the emission which more than 20dB below the prescribed limit.			

-----END OF REPORT-----