Shenzhen Toby Technology Co., Ltd.

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Radio Test Report

FCC ID: XVG50-0103-AP-BT

Report No. : TB-FCC183406

Applicant : Amino Communications Ltd.

Equipment Under Test (EUT)

EUT Name : IPTV Receiver

Model No. : Amigo 7X V2

A~Z, a~z, 0~9, "-", "/", "blank" for marketing purpose)

Brand Name : AMINO. Oamino

Sample ID : 20210821-01-1#& 20210821-01-2#

Receipt Date : 2021-08-23

Test Date : 2021-08-23 to 2021-09-11

Issue Date : 2021-09-11

Standards : FCC Part 15 Subpart E 15.407

Test Method : ANSI C63.10: 2013

KDB 789033 D02 General UNII Test Procedures New Rules v02r01

Conclusions : PASS

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

Witness Engineer :

Engineer Supervisor : WWW SV

Engineer Manager : Lynchia.

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.

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Revision History

Report No.	Version	Description	Issued Date
TB-FCC183406	Rev.01	Initial issue of report	2021-09-11
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1. General Information about EUT

1.1 Client Information

Applicant	:	Amino Communications Ltd.
A d dysos	\ <u>\</u>	1010 Cambourne Business Park, Cambourne, Cambridge, CB23 6DP,
Address	1	United Kingdom.
Manufacturer	:	Shenzhen SDMC Technology Co., Ltd.
	611	19/F, Changhong Science & Technology Mansion, No.18, Keji South
Address		12th Road, High-tech Industrial Park, Nanshan District, Shenzhen,
		China, 518022

1.2 General Description of EUT (Equipment Under Test)

EUT Name		IPTV Receiver		
HVIN/Models No.			X V3, Amigo 7Xzzzzzzzz(zzzzzzzz can be z, 0~9, "-", "/", "blank" for marketing purpose)	
Model Different	1	All these models are identical in the same PCB, layout and electrical circuit, The only difference is model name.		
TODA TO			0MHz, U-NII-2A: 5260MHz~5320MHz 00MHz, U-NII-3: 5745MHz~5825MHz	
Product Description		Antenna Gain:	5180MHz~5240MHz 2.47dBi FPC Antenna A 5260MHz~5320MHz 2.61dBi FPC Antenna A 5500MHz~5700MHz 3.70dBi FPC Antenna A 5745MHz~5825MHz 2.50 dBi FPC Antenna A 5180MHz~5240MHz 3.28dBi FPC Antenna B 5260MHz~5320MHz 3.47dBi FPC Antenna B 5500MHz~5700MHz 4.31dBi FPC Antenna B 5745MHz~5825MHz 3.08dBi FPC Antenna B	
	037	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	
Power Rating	10	Adapter 1#: DCT12W12 Input: 100-240V~, 50/60 Output: DC 12V1A, 12W Adapter 2#:SA12BV-120 Input: 100-240V~, 50/60 Output: DC 12V1A, 12W	0100US-AO 0Hz, 0.3A V 0100U 0Hz, 0.4A	
Software Version	:	10.2.1		



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Hardware Version : V3

Remark:

- (1) The antenna gain and adapter provided by the Manufacturer, the verified for the RF conduction test provided by TOBY test lab.
- (2) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
- (3) Antenna information provided by the Manufacturer.



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(4) Channel List:

Frequency Band	Channel No.	Frequency	Channel No.	Frequency
	36	5180 MHz	44	5220 MHz
5180~5240MHz (U-NII-1)	38	5190 MHz	46	5230 MHz
(0-1411-1)	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
	52	5260 MHz	60	5300 MHz
5260~5320 MHz	54	5270 MHz	62	5310MHz
(U-NII-2A)	56	5280MHz	64	5320 MHz
	58	5290MHz		

For 20 MHz Bandwidth, use channel 52, 56, 60, 64. For 40 MHz Bandwidth, use channel 54, 62.

For 80 MHz Bandwidth, use channel 58.

Frequency Band	Channel No.	Frequency	Channel No.	Frequency
	100	5500 MHz	124	5620 MHz
	102	5510 MHz	126	5630 MHz
	104	5520 MHz	128	5640 MHz
	106	5530 MHz	132	5660 MHz
5500~5720 MHz	108	5540 MHz	134	5670 MHz
(U-NII-2C)	110	5550 MHz	136	5680 MHz
	112	5560 MHz	138	5690 MHz
	116	5580 MHz	140	5700 MHz
	118	5590 MHz		
	120	5600 MHz		
	122	5610 MHz		

For 20 MHz Bandwidth, use channel 100, 104, 108, 112, 116, 120, 124, 128, 132, 136, 140, 144

For 40 MHz Bandwidth, use channel 102, 110, 118, 126, 134, 142

For 80 MHz Bandwidth, use channel 106, 122, 138.

Note: For the protection of Environment, the 5600-5650 MHz band restricted in Canada. So the CH 188/120/122/124/126/128 was restricted use in Canada.

Frequency Band	Channel No.	Frequency	Channel No.	Frequency
	149	5745 MHz	157	5785 MHz
5745~5825MHz (U-NII-3)	151	5755 MHz	159	5795 MHz
(0-1411-3)	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.

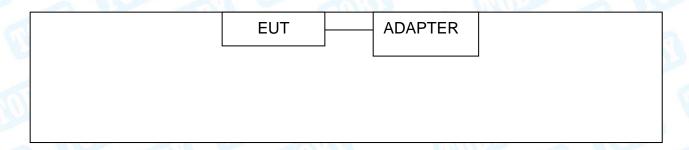
For 80 MHz Bandwidth, use channel 155.



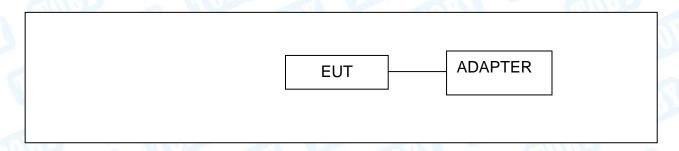
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1.3 Block Diagram Showing the Configuration of System Tested

Conducted Test



Radiated Test



1.4 Description of Support Units

		Equipment Inform	mation	
Name	Model	FCC ID/VOC	Manufacturer	Used "√"
	133 0	W		
		Cable Information		
Number	Shielded Type	Ferrite Core	Length	Note
Cable 1	NO	NO	1.20M	Accessory
Cable 2	NO	NO	1.5M	Accessory



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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
Fina	l Test Mode	Description
	Mode 1	Charging + TX a Mode(5180MHz)
	For	Radiated Test Below 1GHz
Fina	l Test Mode	Description
	Mode 2	Charging + TX a Mode(5180MHz)
	For Radiated	Above 1GHz and RF Conducted Test
Test Band	Final Test Mode	Description
	Mode 3	TX Mode 802.11a Mode Channel 36/40/48
6.30	Mode 4	TX Mode 802.11n(HT20) Mode Channel 36/40/48
11 801 4	Mode 5	TX Mode 802.11ac(VHT20) Mode Channel 36/40/48
U-NII-1	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
	Mode 9	TX Mode 802.11a Mode Channel 52/60/64
	Mode 10	TX Mode 802.11n(HT20) Mode Channel 52/60/64
W. Com (1)	Mode 11	TX Mode 802.11ac(VHT20) Mode Channel 52/60/64
U-NII-2A	Mode 12	TX Mode 802.11n(HT40) Mode Channel 54/62
	Mode 13	TX Mode 802.11ac(VHT40) Mode Channel 54/62
	Mode 14	TX Mode 802.11ac(VHT80) Mode Channel 58
A ROLL	Mode 15	TX Mode 802.11a Mode Channel 100/116/140
	Mode 16	TX Mode 802.11n(HT20) Mode Channel 100/116/140
111111100	Mode 17	TX Mode 802.11ac(VHT20) Mode Channel 100/116/140
U-NII-2C	Mode 18	TX Mode 802.11n(HT40) Mode Channel 102/110/142
	Mode 19	TX Mode 802.11ac(VHT40) Mode Channel 102/110/142
	Mode 20	TX Mode 802.11ac(VHT80) Mode Channel 106/138
133	Mode 21	TX Mode 802.11a Mode Channel 149/157/165
	Mode 22	TX Mode 802.11n(HT20) Mode Channel 149/157/165
	Mode 23	TX Mode 802.11ac(vHT20) Mode Channel 149/157/165
U-NII-3	Mode 24	TX Mode 802.11n(HT40) Mode Channel 151/159
	Mode 25	TX Mode 802.11ac(VHT40) Mode Channel 151/159
WILL PARTY	Mode 26	TX Mode 802.11ac(VHT80) Mode Channel 155



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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) 802.11n (HT20) Mode: MCS 0 802.11n (HT40) Mode: MCS 0

802.11ac(VHT20) Mode: MCS 0/ Nss1 802.11ac(VHT40) Mode: MCS 0/ Nss1 802.11ac(VHT80) Mode: MCS 0/ Nss1

- (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; in normal use 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.



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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 RF setting.

	Test Software: APK	
	U-NII-1	
Mode	Frequency (MHz)	Parameters
	5180	48
802.11a	5200	48
	5240	48
	5180	38
802.11n(HT20)	5200	38
	5240	38
	5180	38
802.11ac(VHT20)	5200	38
	5240	38
000 44 (UT40)	5190	38
802.11n(HT40)	5230	38
802.11ac(VHT40)	5190	38
	5230	38
802.11ac(VHT80)	5210	34
	U-NII-2A	
Mode	Frequency (MHz)	Parameters
	5260	48
802.11a	5300	48
	5320	48
	5260	38
802.11n(HT20)	5300	38
	5320	38
	5260	38
802.11ac(VHT20)	5300	38
	5320	38
002 44n/UT40\	5270	38
802.11n(HT40)	5310	38
002 44ee/\/LIT40\	5270	38
802.11ac(VHT40)	5310	38
802.11ac(VHT80)	5290	34





	U-NII-2C	
Mode	Frequency (MHz)	Parameters
	5500	48
802.11a	5580	48
	5700	48
	5500	44
802.11n(HT20)	5580	44
	5700	42
	5500	38
802.11ac(VHT20)	5580	38
	5700	44
	5510	42
802.11n(HT40)	5550	42
	5710	42
THU	5510	42
802.11ac(VHT40)	5550	42
	5710	42
000 44 (VIITO)	5530	42
802.11ac(VHT80)	5610	38
	U-NII-3	
Mode	Frequency (MHz)	Parameters
	5745	48
802.11a	5785	48
	5825	48
	5745	48
802.11n(HT20)	5785	48
	5825	48
	5745	44
802.11ac(VHT20)	5785	44
	5825	44
000 44m/HT40\	5755	50
802.11n(HT40)	5795	50
202 112c/\/UT40\	5755	46
802.11ac(VHT40)	5795	46
802.11ac(VHT80)	5775	40



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1.7 Measurement Uncertainty

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

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

1.8 Test Facility

The testing report were performed by the Shenzhen Toby Technology Co., Ltd., in their facilities located at 1/F.,Building 6, Rundongsheng Industrial Zone, Longzhu, Xixiang, Bao'an District, 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: 2017 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: 2017 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. CAB identifier: CN0056.



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2. Test Summary

Standard Section	Took Itam	Test Complete)	ludama ant	D
FCC	Test Item	Test Sample(s)	Judgment	Remar
FCC 15.207(a)	Conducted Emission	20210821-01-1#	PASS	N/A
FCC 15.209 & 15.407(b)	Radiated Unwanted Emissions	20210821-01-1#	PASS	N/A
FCC 15.203	Antenna Requirement	20210821-01-2#	PASS	N/A
FCC 15.407(a)	-26dB Emission Bandwidth	20210821-01-2#	PASS	N/A
FCC 15.407(a)	99% Occupied Bandwidth	20210821-01-2#	PASS	N/A
FCC 15.407(e)	-6dB Min Emission Bandwidth	20210821-01-2#	PASS	N/A
FCC 15.407(a)	Maximum Conducted Output Power	20210821-01-2#	PASS	N/A
FCC 15.407(a)	Power Spectral Density	20210821-01-2#	PASS	N/A
FCC 15.407(b)& 15.205	Emissions in Restricted Bands	20210821-01-2#	PASS	N/A
FCC 15.407(b)&15.209	Conducted Unwanted Emissions	20210821-01-2#	PASS	N/A
FCC 15.407(g)	Frequency Stability	20210821-01-2#	PASS	N/A
	On Time and Duty Cycle	20210821-01-2#	1	N/A

3. Test Software

Test Item	Test Software	Manufacturer	Version No.
Conducted Emission	EZ-EMC	EZ	CDI-03A2
Radiation Emission	EZ-EMC	EZ	FA-03A2RE
Radiation Emission	TS+(J32-RE)	Tonsced	3.0.0.4
Radiation Immunity	TS+(J32-RS)	Tonsced	3.0.0.5
RF Conducted Measurement	MTS-8310	MWRFtest	V2.0.0.0
RF Conducted Measurement	JS1120-3	Tonsced	2.6.88.0341
RF Test System	JS1120	Tonscend	V2.6.88.0336



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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 1					
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	Mar.01, 2020	Feb. 28, 2022
Horn Antenna	ETS-LINDGREN	3117	00143207	Mar.01, 2020	Feb. 28, 2022
Horn Antenna	ETS-LINDGREN	BBHA 9170	BBHA9170582	Mar.01, 2020	Feb. 28, 2022
Loop Antenna	SCHWARZBECK	FMZB 1519 B	1519B-059	Jul. 06, 2021	Jul. 05, 2022
Pre-amplifier	Sonoma	310N	185903	Feb. 25, 2021	Feb. 24, 2022
Pre-amplifier	HP	8449B	3008A00849	Feb. 25, 2021	Feb. 24, 2022
Pre-amplifier	SKET	LNPA_1840G-50	SK201904032	Feb. 25, 2021	Feb. 24, 2022
Cable	HUBER+SUHNER	100	SUCOFLEX	Feb. 25, 2021	Feb. 24, 2022
Positioning Controller	ETS-LINDGREN	2090	N/A	N/A	N/A
Radiation Emission T	Test (B Site)				
Equipment	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
Spectrum Analyzer	KEYSIGT	N9020B	MY60110172	Sep. 03, 2021	Sep. 02, 2022
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102197	Jul. 02, 2021	Jul. 01, 2022
Bilog Antenna	SCHWARZBECK	VULB 9168	1225	Dec. 06, 2020	Dec. 05, 2021
Horn Antenna	SCHWARZBECK	BBHA 9120 D	2463	May 20, 2021	May 19, 2022
Horn Antenna	SCHWARZBECK	BBHA 9170	1118	May 20, 2021	May 19, 2022
Loop Antenna	SCHWARZBECK	FMZB 1519 B	1519B-059	Jul. 02, 2021	Jul. 01, 2022
HF Amplifier	Tonscend	TAP9E6343	AP21C806117	Sep. 03, 2021	Sep. 02, 2022
HF Amplifier	Tonscend	TAP051845	AP21C806141	Sep. 03, 2021	Sep. 02, 2022
HF Amplifier	Tonscend	TAP0184050	AP21C806129	Sep. 03, 2021	Sep. 02, 2022



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Antenna Conducted E	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. 03, 2021	Sep. 02, 2022
Vector Signal Generator	Agilent	N5182A	MY50141294	Sep. 03, 2021	Sep. 02, 2022
Analog Signal Generator	Agilent	N5181A	MY50141953	Sep. 03, 2021	Sep. 02, 2022
	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO26	Sep. 03, 2021	Sep. 02, 2022
DE Dawer Career	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO29	Sep. 03, 2021	Sep. 02, 2022
RF Power Sensor	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO31	Sep. 03, 2021	Sep. 02, 2022
	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO33	Sep. 03, 2021	Sep. 02, 2022



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5. Conducted Emission Test

5.1 Test Standard and Limit

5.1.1 Test Standard

FCC Part 15.207

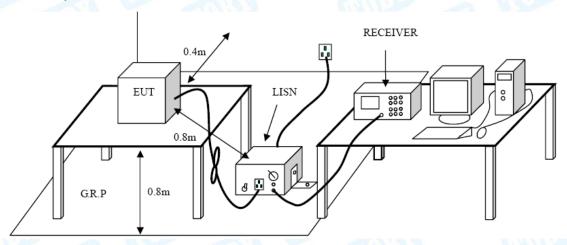
5.1.2 Test Limit

Fragueney	Maximum RF Line	Voltage (dBμV)
Frequency	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 9 kHz, and the test frequency band is from 0.15MHz to 30MHz.



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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 inside test report.

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6. Radiated and Conducted Unwanted Emissions

6.1 Test Standard and Limit

6.1.1 Test Standard

FCC Part 15.209 & FCC Part 15.407(b)

6.1.2 Test Limit

General field strength limits at frequencies Below 30MHz				
Frequency	Frequency Field Strength Field Strength Measurement			
(MHz)	(μA/m)*	(microvolt/meter)**	Distance (meters)	
0.009~0.490	6.37/F (F in kHz)	2400/F(KHz)	300	
0.490~1.705	63.7/F (F in kHz)	24000/F(KHz)	30	
1.705~30.0	0.08	30	30	

Note: 1, The emission limits for the ranges 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector.

2, *is for RSS Standard, **is for FCC Standard.

General field strength limits at frequencies above 30 MHz			
Frequency	Field strength Measurement Distan		
(MHz)	(µV/m at 3 m)	(meters)	
30~88	100	3	
88~216	150	3	
216~960	200	3	
Above 960	500	3	

General field strength limits at frequencies Above 1000MHz			
Frequency	Distance of 3m (dBuV/m)		
(MHz)	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)

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of root-mean-square averaging over a time interval, as permitted under section 5.4(d), the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general field strength limits specified in RSS-Gen is not required.

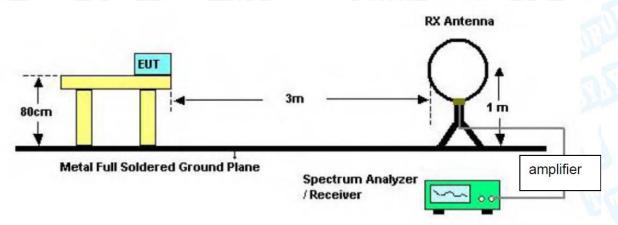


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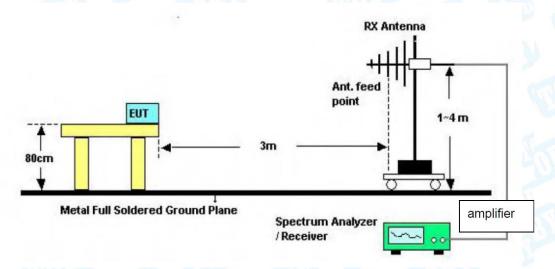
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6.2 Test Setup

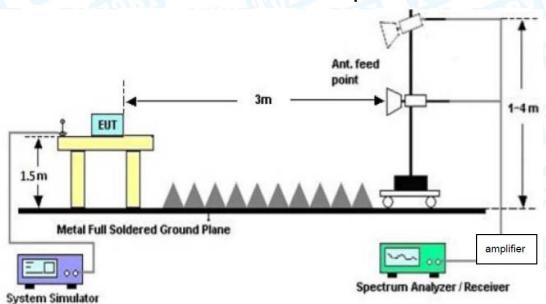
Radiated measurement



Below 30MHz Test Setup



Below 1000MHz Test Setup

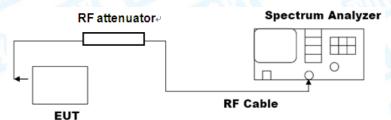


Above 1GHz Test Setup



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Conducted measurement



6.3 Test Procedure

---Radiated measurement

- The measuring distance of 3m shall be used for measurements at frequency up to 1GHz and above 1 GHz. The EUT was placed on a rotating 0.8m high above ground, the table was rotated 360 degrees to determine the position of the highest radiation.
- 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.
- 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.
- Testing frequency range 30MHz-1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection. Testing frequency range 9KHz-150Hz the measuring instrument use VBW=200Hz with Quasi-peak detection. Testing frequency range 9KHz-30MHz the measuring instrument use VBW=9kHz with Quasi-peak detection.
- 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.



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--- Conducted measurement

● Reference level measurement

Establish a reference level by using the following procedure:

- a) Set instrument center frequency to DTS channel center frequency.
- b) Set the span to≥1.5 times the DTS bandwidth.
- c) Set the RBW = 100 kHz.
- d) Set the VBW≥[3*RBW].
- e) Detector = peak.
- f) Sweep time = auto couple.
- g) Trace mode = max hold.
- h) Allow trace to fully stabilize.
- i) Use the peak marker function to determine the maximum PSD level.

Note that the channel found to contain the maximum PSD level can be used to establish the reference level.

Emission level measurement

Establish an emission level by using the following procedure:

- a) Set the center frequency and span to encompass frequency range to be measured.
- b) Set the RBW = 100 kHz.
- c) Set the VBW≥[3*RBW].
- d) Detector = peak.
- e) Sweep time = auto couple.
- f) Trace mode = max hold.
- g) Allow trace to fully stabilize.
- h) Use the peak marker function to determine the maximum amplitude level. Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) is attenuated by at least the minimum requirements specified in 11.11. Report the three highest emissions relative to the limit.

6.4 Deviation From Test Standard

No deviation

6.5 EUT Operating Mode

Please refer to the description of test mode.

6.6 Test Data

Radiated measurement please refer to the Attachment B inside test report. Conducted measurement please refer to the Appendix D section 8.

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7. Restricted Bands Requirement

7.1 Test Standard and Limit

7.1.1 Test Standard

FCC Part 15.205 & FCC Part 15.407(b)

7.1.2 Test Limit

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
F705 5005	10(Note 2)	105.3
5725~5825	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:

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

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.

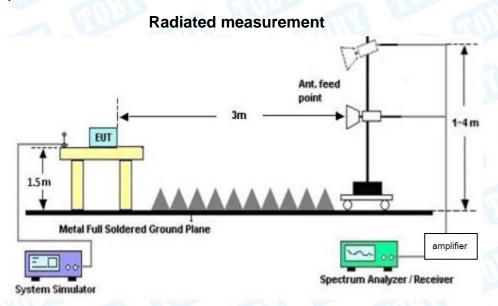
Note: According the ANSI C63.10 11.12.2 antenna-port conducted measurements may also be used as an alternative to radiated measurements for determining compliance in the restricted frequency bands requirements. If conducted measurements are performed, then proper impedance matching must be ensured and an additional radiated test forcabinet/case emissions is required.



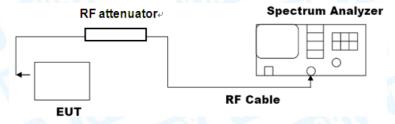
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7.2 Test Setup



Conducted measurement



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
- 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.



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--- 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 ≤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 Mode

Please refer to the description of test mode.

7.6 Test Data

Remark: The test uses antenna-port conducted measurements as an alternative to radiated measurements for determining compliance in the restricted frequency bands requirements.

Please refer to the Appendix D section 6&7.

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8. Bandwidth Test

8.1 Test Standard and Limit

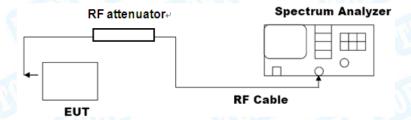
8.1.1 Test Standard

FCC Part 15.407(a) & FCC Part 15.407(e)

8.1.2 Test Limit

Test Item	Limit	Frequency Range (MHz)
		5150~5250
26 Bandwidth	N/A	5250~5350
		5500~5725
6 dB Bandwidth	>500kHz	5725~5850
		5150~5250
99% Bandwidth	N/A	5250~5350
99% bandwidin	IV/A	5500~5725
		5725~5850

8.2 Test Setup



8.3 Test Procedure

---Emission bandwidth

- The procedure for this method is as follows:
- a) Set RBW = approximately 1% of the emission bandwidth.
- b) Set the VBW > RBW.
- c) Detector = peak.
- d) Trace mode = max hold.
- e) Measure the maximum width of the emission that is 26 dB down from the peak of the emission.

Compare this with the RBW setting of the instrument. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

NOTE—The automatic bandwidth measurement capability of a spectrum analyzer or an EMI receiver may be employed if it implements the functionality described in the preceding items.



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---DTS bandwidth

- The steps for the first option are as follows:
- a) Set RBW = 100 kHz.
- b) Set the VBW≥[3*RBW].
- c) Detector = peak.
- d) Trace mode = max hold.
- e) Sweep = auto couple.
- f) Allow the trace to stabilize.
- g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

---occupied bandwidth

- The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission. The following procedure shall be used for measuring 99% power bandwidth:
- a) The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.
- b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be approximately three times the RBW, unless otherwise specified by the applicable requirement.
- c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than [10 log (OBW/RBW)] below the reference level. Specific guidance is given in 4.1.5.2.
- d) Step a) through step c) might require iteration to adjust within the specified range.
- e) Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
- f) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.
- g) If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies.
- h) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).



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8.4 Deviation From Test Standard

No deviation

8.5 EUT Operating Mode

Please refer to the description of test mode.

8.6 Test Data

Please refer to the Appendix D section 2&3.



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9. Maximum Conducted Output Power

9.1 Test Standard and Limit

9.1.1 Test Standard FCC Part 15.407(a)

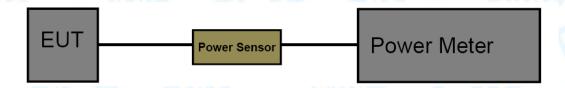
9.1.2 Test Limit

		RSS-2	247				
1 :!1	Frequency Range(MHz)						
Limit	5150~5250	52	250~5350	5500~5725	5725~5850		
Max Conducted TX Power	N/A	The maximum conducted output power shall not exceed 250 mW or 11 + 10 log10B, dBm The maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log10B, dBm, whichever is less. B is the 99% emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.			1 Watt (30dBm)		
Max E.I.R.P	For other devices, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log10B, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz. The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.				4 W (36 dBm) with 6 dBi antenna		
TPC	NO	YES, if Max_EIRP ≥ 500 mW (27 dBm) and able to lower EIRP below 24dBm NO, if Max_EIRP < 500mW (27dBm)			NO NO		
	FCC Part 1	5 Sub	part E(15.407)				
Limit	Frequency Range(MHz)						
Limit	5150~5250		5250~5350	5500~5725	5725~5850		
Max Conducted TX Power	Master Device: 1 Watt(30dBm) Client Device: 250mW(24dBm)		24dBm (250 mW) or 11 dBm+ 10 log B, whichever is lower (B= 26-dB emission BW)		1 Watt (30dBm)		
Max E.I.R.P	4 W (36 dBm) with 6 dBi antenr	ina		Contract of the second			
	200 W (53 dBm) for fixed P-t-P application with 23 dBiantenna		1 W (30 dBm) with 6 dBi antenna		4 W (36 dBm) with 6		
	Additional rule for outdoor operation: Max_EIRP< 125 mW(21 dBm) at any elevation angle > 30°from horizon				dBi antenna		
TPC NO		33	YES, if Max_EIRP ≥ 500 mW (27 dBm) and able to lower EIRP below 24dBm		NO		
			NO, if Max_EIRP < 500mW (27dBm)				



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9.2 Test Setup



9.3 Test Procedure

●The EUT was connected to RF power meter via a broadband power sensor as show the block above. The power sensor video bandwidth is greater than or equal to the DTS bandwidth of the equipment.

9.4 Deviation From Test Standard

No deviation

9.5 EUT Operating Mode

Please refer to the description of test mode.

9.6 Test Data

Please refer to the Appendix D section 4.



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10. Power Spectral Density Test

10.1 Test Standard and Limit

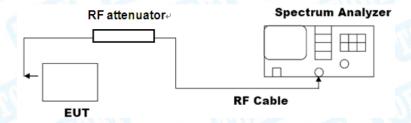
10.1.1 Test Standard

FCC Part 15.407(a)

10.1.2 Test Limit

			Frequency	
Test Item	Limit		Range(MHz)	
TOTAL STATE	FCC	Master Device: 17dBm/MHz Client Device: 11dBm/MHz	5150~5250	
Power Spectral	IC	10dBm/MHz		
Density	11dBm/MHz		5250~5350	
		11dBm/MHz	5500~5725	
TO US	30dBm/500kHz		5725~5850	

10.2 Test Setup



10.3 Test Procedure

- Notwithstanding that some regulatory requirements refer to peak power spectral density (PPSD), in some cases the intent is to measure the maximum value of the time average of the power spectral density during a period of continuous transmission. The procedure for this method is as follows:
- a) Create an average power spectrum for the EUT operating mode being tested by following the instructions in 12.3.2 for measuring maximum conducted output power using a spectrum analyzer or EMI receiver; that is, select the appropriate test method (SA-1, SA-2, SA-3, or their respective alternatives) and apply it up to, but not including, the step labeled, "Compute power..."(This procedure is required even if the maximum conducted output power measurement was performed using the power meter method PM.)
- b) Use the peak search function on the instrument to find the peak of the spectrum.
- c) Make the following adjustments to the peak value of the spectrum, if applicable:
- 1) If method SA-2 or SA-2A was used, then add [10 log (1 / D)], where D is the duty cycle, to the peak of the spectrum.
- 2) If method SA-3A was used and the linear mode was used in step h) of 12.3.2.7, add 1 dB to the final result to compensate for the difference between linear averaging and power averaging.



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- d) The result is the PPSD.
- e) The procedure in item a) through item c) requires the use of 1 MHz resolution bandwidth to satisfy the 1 MHz measurement bandwidth specified by some regulatory authorities.95 This requirement also permits use of resolution bandwidths less than 1 MHz"provided that the measured power is integrated to show the total power over the measurement bandwidth"(i.e., 1 MHz). If measurements are performed using a reduced resolution bandwidth and integrated over 1 MHz bandwidth, the following adjustments to the procedures apply:
- 1) Set RBW≥1 / T, where T is defined in 12.2 a).
- 2) Set VBW ≥ [3*RBW].
- 3) Care shall be taken such that the measurements are performed during a period of continuous transmission or are corrected upward for duty cycle.

10.4 Deviation From Test Standard

No deviation

10.5 Antenna Connected Construction

Please refer to the description of test mode.

10.6 Test Data

Please refer to the Appendix D section 5.



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11. Frequency Stability

11.1 Test Standard and Limit

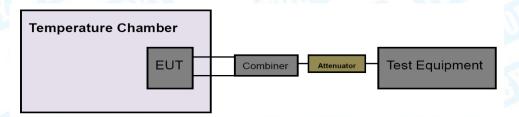
11.1.1 Test Standard

FCC Part 15.407(g)

11.1.2 Test Limit

If the frequency stability of the licence-exempt radio apparatus is not specified in the applicable RSS, the fundamental emissions of the radio apparatus should be kept within at least the central 80% of its permitted operating frequency band in order to minimize the possibility of out-of-band operation.

11.2 Test Setup



11.3 Test Procedure

- Determining compliance with the peak excursion requirement shall be done by confirming that the ratio of the maximum of the peak-max-hold spectrum to the maximum of the average spectrum for continuous transmission does not exceed the regulatory requirement. 96 The procedure for this method is as follows:
- a) The following guidance for limiting the number of tests applies only to peak excursion measurements:
- 1) Testing each modulation mode on a single channel in a single operating band is sufficient to determine compliance with the peak excursion requirement. (If all modulation modes are not available on a single channel in a single band, then testing must be extended to other channels and bands as needed to ensure that all modulation modes are tested.)
- 2) Tests must include all variations in signal structure, such as:
 - i) All signal types [e.g., direct sequence spread spectrum (DSSS) and OFDM].
 - ii) All modulation types [e.g., binary phase-shift keying (BPSK), quadrature phase-shift keying (QPSK), 16-QAM, 64-QAM, and 256-QAM].
 - iii) All bandwidth modes.
 - iv) All variations in signal parameters (e.g., changes in subcarrier spacing or number of subcarriers).
- 3) For a given signal structure, testing of multiple error-correction coding rates is not required (e.g., 1/2, 2/3, and 3/4).
- 4) For MIMO devices, testing of a single output port is sufficient to determine compliance with the peak excursion requirement. If a given signal structure can be exercised with various combinations of spatial multiplexing (such as different numbers of spatial streams), beamforming, and cyclic delay diversity, peak excursion tests are not



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required to include those variations.

- b) The procedure is as follows:
- 1) Set the span of the spectrum analyzer or EMI receiver to view the entire emission bandwidth or occupied bandwidth.
- 2) Find the maximum of the peak-max-hold spectrum:
 - i) Set RBW = 1 MHz.
 - ii) VBW 🗆 3 MHz.
 - iii) Detector = peak.
 - iv) Trace mode = max-hold.
 - v) Allow the sweeps to continue until the trace stabilizes.
 - vi) Use the peak search function to find the peak of the spectrum.
- 3) Use the procedure found in 12.5 to measure the PPSD.
- 4) Compute the ratio of the maximum of the peak-max-hold spectrum to the PPSD.

11.4 Deviation From Test Standard

No deviation

11.5 Antenna Connected Construction

Please refer to the description of test mode.

11.6 Test Data

Please refer to the Appendix D section 9.



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12. Antenna Requirement

12.1 Test Standard and Limit

12.1.1 Test 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 Deviation From Test Standard

No deviation

12.3 Antenna Connected Construction

The gains of the antenna used for transmitting is5180MHz~5240MHz 2.47dBi FPC Antenna A 5260MHz~5320MHz 2.61dBi FPC Antenna A,5500MHz~5700MHz 3.70dBi FPC Antenna A, 5180MHz~5240MHz 3.28dBi FPC Antenna B,5260MHz~5320MHz 3.47dBi FPC Antenna B, 5500MHz~5700MHz 4.31dBi FPC Antenna B, and the antenna de-signed with permanent attachment and no consideration of replacement. Please see the EUT photo for details.

12.4 Test Data

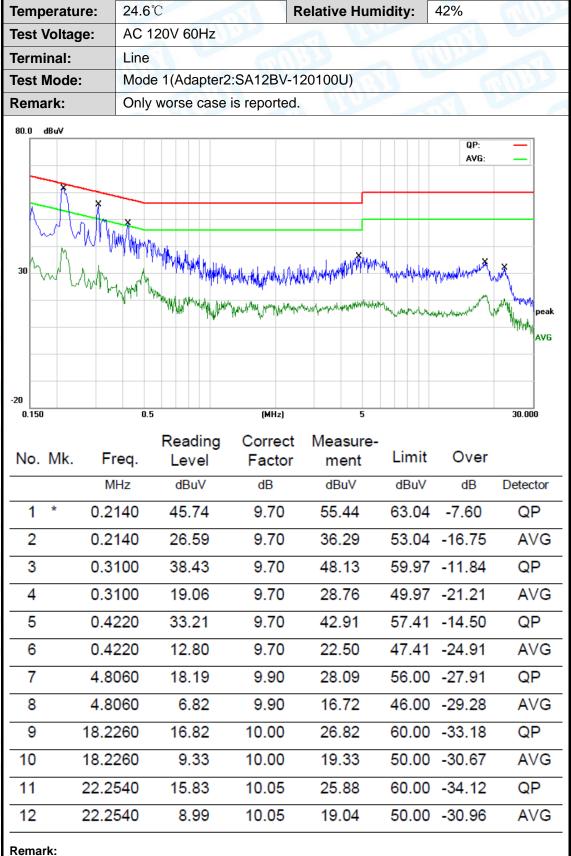
The EUT antenna is a FPC Antenna. It complies with the standard requirement.

Antenna Type							
The same	Permanent attached antenna	ì					
	⊠Unique connector antenna						
THE PARTY OF THE P	Professional installation antenna						





Attachment A-- Conducted Emission Test Data

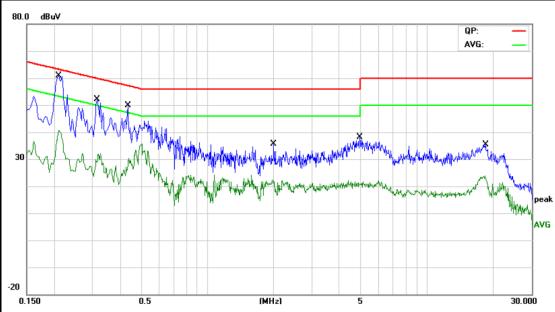


- 1. Corr. Factor (dB) = LISN Factor (dB) + Cable Loss (dB)
- 2. Margin (dB) =QuasiPeak/Average (dBuV)-Limit (dBuV)





Temperature:24.6 °CRelative Humidity:42%Test Voltage:AC 120V 60HzTerminal:NeutralTest Mode:Mode 1(Adapter2:SA12BV-120100U)Remark:Only worse case is reported.



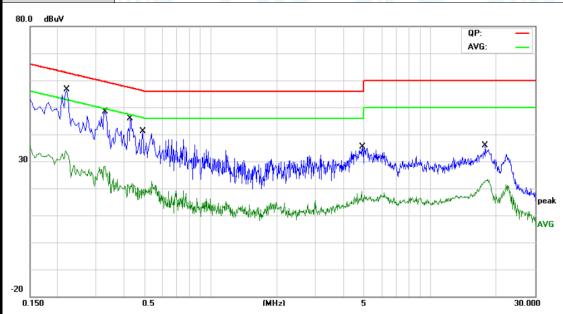
	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
_			MHz	dBuV	dB	dBuV	dBuV	dB	Detector
_	1	*	0.2100	45.70	9.80	55.50	63.20	-7.70	QP
	2		0.2100	26.99	9.80	36.79	53.20	-16.41	AVG
	3		0.3140	36.98	9.80	46.78	59.86	-13.08	QP
	4		0.3140	20.64	9.80	30.44	49.86	-19.42	AVG
	5		0.4340	31.26	9.80	41.06	57.18	-16.12	QP
	6		0.4340	15.45	9.80	25.25	47.18	-21.93	AVG
	7		2.0059	15.66	9.80	25.46	56.00	-30.54	QP
_	8		2.0059	8.62	9.80	18.42	46.00	-27.58	AVG
_	9		4.9500	19.78	9.80	29.58	56.00	-26.42	QP
_	10		4.9500	9.60	9.80	19.40	46.00	-26.60	AVG
_	11		18.4540	18.66	10.00	28.66	60.00	-31.34	QP
_	12		18.4540	10.57	10.00	20.57	50.00	-29.43	AVG

- 1. Corr. Factor (dB) = LISN Factor (dB) + Cable Loss (dB)
- 2. Margin (dB) =QuasiPeak/Average (dBuV)-Limit (dBuV)





Temperature:24.6 °CRelative Humidity:42%Test Voltage:AC 120V 60HzTerminal:LineTest Mode:Mode 1(Adapter2:DCT12W120100US-AO)Remark:Only worse case is reported.



No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1 *	0.2220	41.41	9.70	51.11	62.74	-11.63	QP
2	0.2220	21.25	9.70	30.95	52.74	-21.79	AVG
3	0.3300	31.83	9.70	41.53	59.45	-17.92	QP
4	0.3300	15.82	9.70	25.52	49.45	-23.93	AVG
5	0.4300	29.12	9.70	38.82	57.25	-18.43	QP
6	0.4300	10.41	9.70	20.11	47.25	-27.14	AVG
7	0.4900	21.24	9.70	30.94	56.17	-25.23	QP
8	0.4900	8.33	9.70	18.03	46.17	-28.14	AVG
9	4.9180	17.94	9.90	27.84	56.00	-28.16	QP
10	4.9180	4.26	9.90	14.16	46.00	-31.84	AVG
11	17.8460	18.02	10.00	28.02	60.00	-31.98	QP
12	17.8460	10.99	10.00	20.99	50.00	-29.01	AVG

- 1. Corr. Factor (dB) = LISN Factor (dB) + Cable Loss (dB)
- 2. Margin (dB) =QuasiPeak/Average (dBuV)-Limit (dBuV)





24.6℃ Temperature: **Relative Humidity:** 42% **Test Voltage:** AC 120V 60Hz Terminal: Neutral Test Mode: Mode 1(Adapter2:DCT12W120100US-AO) Remark: Only worse case is reported. 80.0 dBuV QP: AVG: AVG 0.150 (MHz) 30.000 0.5 Reading Correct Measure-Limit Over No. Mk. Freq. Level Factor ment dBuV dΒ dBuV dΒ MHz dBuV Detector 0.2140 42.57 9.80 52.37 63.04 -10.67QP 1 2 0.2140 23.53 9.80 33.33 53.04 -19.71 AVG 3 0.3260 34.17 9.80 43.97 59.55 -15.58 QP AVG 4 0.3260 16.73 9.80 26.53 49.55 -23.02 5 0.5380 24.53 9.80 34.33 56.00 -21.67 QP 6 0.5380 10.02 9.80 19.82 46.00 -26.18 **AVG** 7 0.7180 19.11 9.80 28.91 56.00 -27.09 QΡ 0.7180 8 4.83 9.80 14.63 46.00 -31.37 AVG 9 4.8220 18.57 9.80 28.37 56.00 -27.63 QΡ 46.00 -30.86 10 4.8220 5.34 9.80 15.14 **AVG** 60.00 -32.70 11 18.3500 17.30 10.00 27.30 QΡ 12 18.3500 -29.68 AVG 10.32 10.00 20.32 50.00

- 1. Corr. Factor (dB) = LISN Factor (dB) + Cable Loss (dB)
- 2. Margin (dB) =QuasiPeak/Average (dBuV)-Limit (dBuV)





Attachment B--Unwanted Emissions Data

--- Radiated Unwanted Emissions

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

Test Voltage: AC 120V 60Hz Ant. Pol. Horizontal Test Mode: Mode 2 (Adapter2:SA12BV-120100U)			(4)	THE STATE OF THE S		
Ant. Pol. Horizontal Test Mode: Mode 2 (Adapter2:SA12BV-120100U) Remark: Only worse case is reported. FCC PART 15 C FCC PA	Temperature:	23.9℃		Relative Hu	umidity:	44%
Mode 2 (Adapter2:SA12BV-120100U) Remark: Only worse case is reported. FCC PART 15 C FCC PART	Test Voltage:	AC 120V 6	60Hz		All Control	
Remark: Only worse case is reported. FCC PART 15 C FCC PART 15 C FCC PART 15 C OP Limit Frequency Hz	Ant. Pol.	Horizontal		COURSE OF THE PROPERTY OF THE	~ 4	MILE STATE OF THE PARTY OF THE
FCC PART 15 C FCC PART 15 C FCC PART 15 C FCC PART 15 C OP Limit Frequency[Hz]	Test Mode:	Mode 2 (A	dapter2:SA12	BV-120100U)	133 Y	1150
90 80 70 60 40 30 30 40 100M Frequency[Hz]	Remark:	Only worse	e case is repo	rted.		
90 80 70 60 50 40 30 30 100M Frequency[Hz]	400		F	CC PART 15 C		
Frequency[Hz]						
FCC PART 15 C-QP Limit 50 40 40 40 40 40 40 40 40 40 40 40 40 40						
30 20 10 30M 100M Frequency[Hz]						
30 20 10 30M 100M Frequency[Hz]	[w/N18]					FCC PART 15 C -QP Limit
30 20 10 30M 100M Frequency[Hz]	B) 50					
10 100M Frequency[Hz]			3		★ 5	
30M 100M Frequency[Hz]	20	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		man and	July July	Company of the Compan
30M 100M 1G Frequency[Hz]	10		m v	who have	***	
— QP Limit — Horizontal PK			100M			1G
	—— QP Limit	Horizontal PK		Frequency[Hz]		
	Suspected Data	List				
Suspected Data List	NO. Freq.	Level	Factor	Limit	Margin	Polarity
Freq. Level Factor Limit Margin	NO. [MH=1	[dRu\//m]	[dB]	[dRu\//m1	[AB]	Polarity

Suspe	Suspected Data List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµ√/m]	Margin [dB]	Polarity			
1	41.6517	13.32	-28.36	40.00	26.68	Horizontal			
2	74.6647	24.53	-31.91	40.00	15.47	Horizontal			
3	137.777	28.96	-28.18	43.50	14.54	Horizontal			
4	183.413	21.71	-29.95	43.50	21.79	Horizontal			
5	381.491	33.34	-25.89	46.00	12.66	Horizontal			
6	1000.00	23.46	-15.39	54.00	30.54	Horizontal			

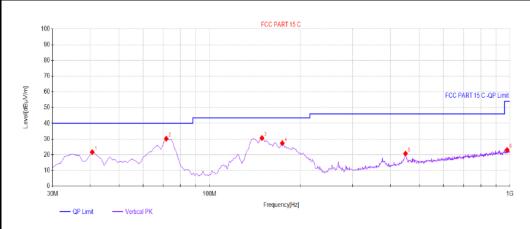
^{*:}Maximum data x:Over limit !:over margin

- Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
 QuasiPeak (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Limit QPK(dB μ V/m)-QuasiPeak (dB μ V/m)



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Temperature:	23.9℃	Relative Humidity:	44%	1
Test Voltage:	AC 120V 60Hz		THE CHI	1:15
Ant. Pol.	Vertical			
Test Mode:	Mode 2 (Adapter2:S	SA12BV-120100U)		
Remark:	Only worse case is	reported.		



Suspe	Suspected Data List									
NO.	Freq.	Level	Factor	Limit	Margin	Delevity				
NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dB]	Polarity				
1	40.6807	21.65	-28.29	40.00	18.35	Vertical				
2	71.7518	30.20	-31.47	40.00	9.80	Vertical				
3	149.429	30.63	-27.66	43.50	12.87	Vertical				
4	174.674	27.42	-29.02	43.50	16.08	Vertical				
5	449.459	20.77	-23.94	46.00	25.23	Vertical				
6	978.638	23.09	-15.48	54.00	30.91	Vertical				

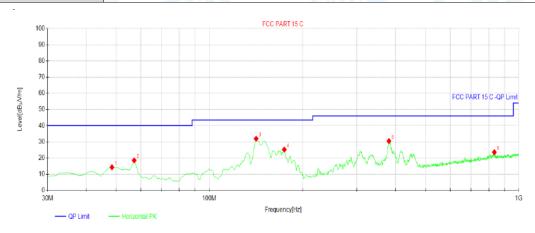
^{*:}Maximum data x:Over limit !:over margin

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
 2. QuasiPeak (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Limit QPK(dB μ V/m)-QuasiPeak (dB μ V/m)



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Temperature:	23.9℃	Relative Humidity:	44%		
Test Voltage: AC 120V 60Hz					
Ant. Pol.	Horizontal				
Test Mode: Mode 2 (Adapter1:DCT12W120100US-AO)					
Remark:	Only worse case is re	eported.			



Suspe	Suspected Data List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Polarity			
1	48.4484	14.27	-28.70	40.00	25.73	Horizontal			
2	57.1872	18.56	-29.22	40.00	21.44	Horizontal			
3	141.661	31.95	-27.98	43.50	11.55	Horizontal			
4	174.674	25.17	-29.02	43.50	18.33	Horizontal			
5	380.520	30.43	-25.92	46.00	15.57	Horizontal			
6	833.964	23.57	-17.46	46.00	22.43	Horizontal			

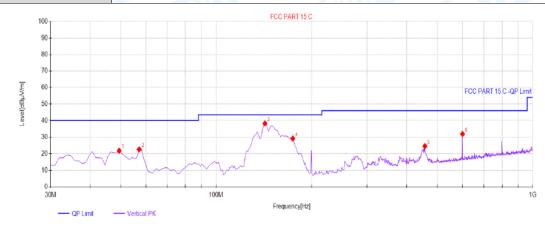
^{*:}Maximum data x:Over limit !:over margin

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
 2. QuasiPeak (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Limit QPK(dB μ V/m)-QuasiPeak (dB μ V/m)



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MA 1 - MA - 1 - No 1 -						
Temperature:	23.9℃	Relative Humidity:	44%			
Test Voltage:	AC 120V 60Hz		UM			
Ant. Pol.	Vertical	Vertical				
Test Mode:	Mode 2 (Adapter1:DCT	12W120100US-AO)				
Remark:	Only worse case is repo	orted.	alle			



Suspe	Suspected Data List									
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Polarity				
1	49.4194	21.70	-28.72	40.00	18.30	Vertical				
2	57.1872	22.55	-29.22	40.00	17.45	Vertical				
3	142.632	38.21	-27.94	43.50	5.29	Vertical				
4	174.674	29.06	-29.02	43.50	14.44	Vertical				
5	456.256	24.47	-23.86	46.00	21.53	Vertical				
6	599.960	31.83	-21.07	46.00	14.17	Vertical				

^{*:}Maximum data x:Over limit !:over margin

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
 2. QuasiPeak (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Limit QPK(dB μ V/m)-QuasiPeak (dB μ V/m)



Above 1GHz

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

Temperature:	23.9℃	Relative Humidity:	42%
Test Voltage:	AC 120V/60Hz		and the
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11a Mode 5180M	1Hz (U-NII-1)	N. W.

N	No.	Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	10359.583	30.59	16.85	47.44	54.00	-6.56	AVG
2			10360.123	43.96	16.85	60.81	68.30	-7.49	peak

Remark:

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz, 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:	23.9℃	Relative Humidity:	42%
Test Voltage:	AC 120V/60Hz		THUE
Ant. Pol.	Vertical	The same	
Test Mode:	TX 802.11a Mode 5180M	IHz (U-NII-1)	

N	No. Mk.		k. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	10359.221	30.46	16.85	47.31	54.00	-6.69	AVG
2			10359.481	44.66	16.85	61.51	68.30	-6.79	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz, 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.



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Temperature:	23.9℃	Relative Humidity:	42%			
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Horizontal					
Test Mode:	TX 802.11a Mode 5200M	TX 802.11a Mode 5200MHz (U-NII-1)				

No) .	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	10400.260	31.34	16.92	48.26	54.00	-5.74	AVG
2			10401.500	44.67	16.92	61.59	68.30	-6.71	peak

Remark:

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

Temperature:	23.9℃	Relative Humidity:	42%				
Test Voltage:	AC 120V/60Hz	C 120V/60Hz					
Ant. Pol.	Vertical	WILLIAM STATE	N. C.				
Test Mode:	TX 802.11a Mode 5200M	IHz (U-NII-1)					

No.	Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10399.640	43.55	16.92	60.47	68.30	-7.83	peak
2	*	10400.100	29.90	16.92	46.82	54.00	-7.18	AVG

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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.



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-								
	Temperature:	23.9℃	Relative Humidity:	42%				
ľ	Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
	Ant. Pol.	Horizontal	7					
	Test Mode:	TX 802.11a Mode 5240M	IHz (U-NII-1)					

No	. М	k. Freq.	•	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	10480.264	32.15	17.07	49.22	54.00	-4.78	AVG
2		10480.600	43.43	17.07	60.50	68.30	-7.80	peak

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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:	23.9℃	Relative Humidity:	42%				
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Vertical	WILLIAM STATE	The same				
Test Mode:	TX 802.11a Mode 5240N	1Hz (U-NII-1)					

No. Mk.		lk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	10	0479.500	44.49	17.07	61.56	68.30	-6.74	peak
2		10	0480.300	28.66	17.07	45.73	54.00	-8.27	AVG

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





Temperature:	23.9℃	Relative Humidity:	42%				
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Horizontal	a w					
Test Mode:	TX 802.11n(HT20) Mode	X 802.11n(HT20) Mode 5180MHz (U-NII-1) Antenna A+B					

	No.	Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
-	I		10359.059	44.51	16.85	61.36	68.30	-6.94	peak
2	2	*	10360.000	30.27	16.85	47.12	54.00	-6.88	AVG

Remark

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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:	23.9℃	Relative Humidity:	42%
Test Voltage:	AC 120V/60Hz	The state of the s	
Ant. Pol.	Vertical		0
Test Mode:	TX 802.11n(HT20) Mode	5180MHz (U-NII-1) An	tenna A+B

No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10359.320	29.60	16.85	46.45	54.00	-7.55	AVG
2	*	10360.617	43.97	16.85	60.82	68.30	-7.48	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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.



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Temperature:	23.9℃	Relative Humidity:	42%				
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Horizontal						
Test Mode:	TX 802.11n(HT20) Mode 5200MHz (U-NII-1) Antenna A+B						

No	o. Mk	c. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10400.200	44.44	16.92	61.36	68.30	-6.94	peak
2	*	10400.680	31.98	16.92	48.90	54.00	-5.10	AVG

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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:	23.9℃	Relative Humidity:	42%		
Test Voltage:	AC 120V/60Hz				
Ant. Pol.	Vertical				
Test Mode:	TX 802.11n(HT20) Mode 5200MHz (U-NII-1) Antenna A+B				

No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10399.800	28.43	16.92	45.35	54.00	-8.65	AVG
2	*	10400.000	43.22	16.92	60.14	68.30	-8.16	peak

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



Temperature:	23.9℃	Relative Humidity:	42%			
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz				
Ant. Pol.	Horizontal					
Test Mode:	TX 802.11n(HT20) Mode	TX 802.11n(HT20) Mode 5240MHz (U-NII-1) Antenna A+B				

No.	Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10480.400	31.05	17.07	48.12	54.00	-5.88	AVG
2	*	10481.202	45.51	17.07	62.58	68.30	-5.72	peak

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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:	23.9℃	Relative Humidity:	42%			
Test Voltage:	AC 120V/60Hz	WURN -	THUL			
Ant. Pol.	Vertical	√ertical				
Test Mode:	TX 802.11n(HT20) Mode	5240MHz (U-NII-1) An	tenna A+B			

No.	Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10478.688	29.20	17.07	46.27	54.00	-7.73	AVG
2	*	10479.500	44.28	17.07	61.35	68.30	-6.95	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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.



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Temperature:	23.9℃	Relative Humidity:	42%			
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Horizontal	Horizontal				
Test Mode:	TX 802.11ac(VHT20) Mo	TX 802.11ac(VHT20) Mode 5180MHz (U-NII-1) Antenna A+B				

No.	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10480.068	43.42	17.07	60.49	68.30	-7.81	peak
2	*	10481.500	29.23	17.08	46.31	54.00	-7.69	AVG

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz, 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.

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ac(VHT20) Mode 5180MHz (U-NII-1) Antenna A+B
ć

No.	Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10480.600	31.30	17.07	48.37	68.30	-19.93	peak
2	*	10481.800	29.14	17.08	46.22	54.00	-7.78	AVG

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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.



23.9℃ 42% Temperature: **Relative Humidity:** Test Voltage: AC 120V/60Hz Ant. Pol. Horizontal Test Mode: TX 802.11ac(VHT20) Mode 5200MHz (U-NII-1) Antenna A+B

No.	Mk.	Freq.	_		Measure- ment	Limit	Over	
		MHz	dBu∨	dB	dBuV/m	dBuV/m	dB	Detector
1		10400.03	34.96	20.56	55.52	68.30	-12.78	peak
2	*	10400.03	25.03	20.56	45.59	54.00	-8.41	AVG

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz, 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:	23.9℃	Relative Humidity:	42%
Test Voltage:	AC 120V/60Hz		D D
Ant. Pol.	Vertical		WILD T
Test Mode:	TX 802.11ac(VHT20) Mo	de 5200MHz (U-NII-1)	Antenna A+B

No.	Mk.	Freq.			Measure- ment	Limit	Over	
		MHz	dBu∨	dB	dBuV/m	dBuV/m	dB	Detector
1	1	0400.12	36.21	20.56	56.77	68.30	-11.53	peak
2	* 1	0400.12	25.15	20.56	45.71	54.00	-8.29	AVG

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz, 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.

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Temperature:	23.9℃	Relative Humidity:	42%
Test Voltage:	AC 120V/60Hz		W. W.
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11 ac(VHT20) Mo	ode 5240MHz (U-NII-1)	Antenna A+B

No	. Mk	. Freq.		Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10480.068	43.42	17.07	60.49	68.30	-7.81	peak
2	*	10481.500	29.23	17.08	46.31	54.00	-7.69	AVG

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz, 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:	23.9℃	Relative Humidity:	42%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11ac(VHT20) Mo	de 5240MHz (U-NII-1)	Antenna A+B

No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10480.600	31.30	17.07	48.37	68.30	-19.93	peak
2	*	10481.800	29.14	17.08	46.22	54.00	-7.78	AVG

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz, 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.



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Temper	ature:	23.9℃	Relative Humidity:	42%
Test Vo	tage:	AC 120V/60Hz		
Ant. Po	l.	Horizontal	7	
Test Mo	de:	TX 802.11n(HT40) Mode	5190MHz (U-NII-1) An	itenna A+B

	No.	Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
_			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
	1	*	10378.666	29.74	16.88	46.62	54.00	-7.38	AVG
-	2		10378.783	42.06	16.88	58.94	68.30	-9.36	peak

Remark

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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:	23.9℃	Relative Humidity:	42%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical	THU THE	
Test Mode:	TX 802.11n(HT40) Mode	5190MHz (U-NII-1) An	itenna A+B

-	No.	Mk.	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1			10378.906	43.68	16.88	60.56	68.30	-7.74	peak
2		*	10380.540	29.60	16.88	46.48	54.00	-7.52	AVG

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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:23.9 °CRelative Humidity:42%Test Voltage:AC 120V/60HzAnt. Pol.HorizontalTest Mode:TX 802.11n(HT40) Mode 5230MHz (U-NII-1) Antenna A+B

No	. Mk	. Freq.	_		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10459.700	41.12	17.04	58.16	68.30	-10.14	peak
2	*	10460.500	28.18	17.04	45.22	54.00	-8.78	AVG

Remark

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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:	23.9℃	Relative Humidity:	42%			
Test Voltage:	AC 120V/60Hz		U			
Ant. Pol.	Vertical					
Test Mode:	TX 802.11n(HT40) Mode 5230MHz (U-NII-1) Antenna A+B					

No. Mk.		Freq.	Reading Level		Measure- ment	Limit	Over		
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	10	0459.300	44.01	17.04	61.05	68.30	-7.25	peak
2		10	0460.100	29.09	17.04	46.13	54.00	-7.87	AVG

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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.



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Temperature:	23.9℃	Relative Humidity:	42%				
Test Voltage:	AC 120V/60Hz						
Ant. Pol.	Horizontal	7					
Test Mode:	TX 802.11ac(VHT40) Mode 5190MHz (U-NII-1) Antenna A+B						

N	lo. Mk	c. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10381.154	29.37	16.88	46.25	54.00	-7.75	AVG
2	*	10381.328	43.71	16.89	60.60	68.30	-7.70	peak

Remark

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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:	23.9℃	Relative Humidity:	42%			
Test Voltage:	AC 120V/60Hz		CO			
Ant. Pol.	Vertical		WUD?			
Test Mode:	TX 802.11ac(VHT40) Mode 5190MHz (U-NII-1) Antenna A+B					

No.	Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10379.721	41.89	16.88	58.77	68.30	-9.53	peak
2	*	10380.911	29.65	16.88	46.53	54.00	-7.47	AVG

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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.



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Temperature:	23.9℃	Relative Humidity:	42%				
Test Voltage:	AC 120V/60Hz						
Ant. Pol.	Horizontal	7	TO THE REAL PROPERTY.				
Test Mode:	TX 802.11ac(VHT40) Mo	TX 802.11ac(VHT40) Mode 5230MHz (U-NII-1) Antenna A+B					

	No.	Mk	. Freq.	_		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1			10459.880	43.55	17.04	60.59	68.30	-7.71	peak
2		*	10460.300	29.34	17.04	46.38	54.00	-7.62	AVG

Remark

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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:	23.9℃	Relative Humidity:	42%			
Test Voltage:	AC 120V/60Hz		170			
Ant. Pol.	Vertical					
Test Mode:	TX 802.11ac(VHT40) Mode 5230MHz (U-NII-1) Antenna A+B					

No	. N	Иk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	1	0419.065	29.27	16.96	46.23	54.00	-7.77	AVG
2		1	0420.015	41.45	16.96	58.41	68.30	-9.89	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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:23.9 °CRelative Humidity:42%Test Voltage:AC 120V/60HzAnt. Pol.HorizontalTest Mode:TX 802.11ac(VHT80) Mode 5210MHz (U-NII-1) Antenna A+B

No	٥.	Mk.	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	10419.404	29.03	16.96	45.99	54.00	-8.01	AVG
2			10420.590	41.06	16.96	58.02	68.30	-10.28	peak

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dB μ V/m)= Corr. (dB/m)+ Read Level (dB μ V)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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:	23.9℃	Relative Humidity:	42%				
Test Voltage:	AC 120V/60Hz						
Ant. Pol.	Vertical	Vertical					
Test Mode:	TX 802.11ac(VHT80) Mode 5210MHz (U-NII-1) Antenna A+B						

No. N	Лk.	Freq.			Measure- ment	Limit	Over	
		MHz	dBu∨	dB	dBuV/m	dBuV/m	dB	Detector
1	10	0419.88	34.59	20.59	55.18	68.30	-13.12	peak
2 *	* 10	0419.88	24.26	20.59	44.85	54.00	-9.15	AVG

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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.





5260MHz-5320MHz(U-NII-2A)

Temperature:	23.9℃	Relative Humidity:	42%				
Test Voltage:	AC 120V/60Hz						
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX 802.11a Mode 5260MHz (U-NII-2A)						

1	No.	Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	10520.499	28.05	17.12	45.17	54.00	-8.83	AVG
2			10520.600	42.10	17.12	59.22	68.30	-9.08	peak

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz, 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:	23.9℃	Relative Humidity:	42%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11a Mode 5260M	Hz (U-NII-2A)	

N	0.	Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	10519.600	29.13	17.12	46.25	54.00	-7.75	AVG
2			10520.100	43.22	17.12	60.34	68.30	-7.96	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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.



Test Voltage: AC 120V/60Hz

Ant. Pol. Horizontal

Test Mode: TX 802.11a Mode 5280MHz (U-NII-2A)

No.	Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10559.370	42.29	17.17	59.46	68.30	-8.84	peak
2	*	10560.500	28.07	17.17	45.24	54.00	-8.76	AVG

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz, 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:	23.9℃	Relative Humidity:	42%				
Test Voltage:	AC 120V/60Hz						
Ant. Pol.	Vertical	Vertical					
Test Mode:	TX 802.11a Mode 5280N	TX 802.11a Mode 5280MHz (U-NII-2A)					

No.	Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10559.600	42.51	17.17	59.68	68.30	-8.62	peak
2	*	10560.119	29.20	17.17	46.37	54.00	-7.63	AVG

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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:	23.9℃	Relative Humidity:	42%					
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz						
Ant. Pol.	Horizontal	Horizontal						
Test Mode:	TX 802.11a Mode 5320MHz (U-NII-2A)							

No.	Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10638.159	40.90	17.25	58.15	68.30	-10.15	peak
2	*	10640.100	27.02	17.25	44.27	54.00	-9.73	AVG

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz, 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:	23.9℃	Relative Humidity:	42%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		MAN
Test Mode:	TX 802.11a Mode 5320M	1Hz (U-NII-2A)	

N	lo.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	10639.900	27.93	17.25	45.18	54.00	-8.82	AVG
2			10640.211	41.77	17.25	59.02	68.30	-9.28	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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.



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Temperature:	23.9℃	Relative Humidity:	42%					
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz						
Ant. Pol.	Horizontal	7						
Test Mode:	TX 802.11n(HT20) Mode	TX 802.11n(HT20) Mode 5260MHz (U-NII-2A) Antenna A+B						

No.	Mk	. Freq.	_		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10518.900	41.29	17.12	58.41	68.30	-9.89	peak
2	*	10519.300	29.16	17.12	46.28	54.00	-7.72	AVG

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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:	23.9℃	Relative Humidity:	42%		
Test Voltage:	AC 120V/60Hz				
Ant. Pol.	Vertical				
Test Mode:	TX 802.11n(HT20) Mode 5260MHz (U-NII-2A) Antenna A+B				

No.	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10520.066	29.15	17.12	46.27	54.00	-7.73	AVG
2	*	10521.200	44.03	17.12	61.15	68.30	-7.15	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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.



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Temperature:	23.9℃	Relative Humidity:	42%
Test Voltage:	AC 120V/60Hz		Will be
Ant. Pol.	Horizontal	1	
Test Mode:	TX 802.11n(HT20) Mode	5280MHz (U-NII-2A) A	ntenna A+B

N	0.	Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	10560.200	28.98	17.17	46.15	54.00	-7.85	AVG
2			10561.400	42.13	17.17	59.30	68.30	-9.00	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz, 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:	23.9℃	Relative Humidity:	42%		
Test Voltage:	AC 120V/60Hz				
Ant. Pol.	Vertical	WILLIAM -	THU		
Test Mode:	TX 802.11n(HT20) Mode 5280MHz (U-NII-2A) Antenna A+B				

	No.	Mk	. Freq.			Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1			10559.800	42.47	17.17	59.64	68.30	-8.66	peak
2	2	*	10560.490	29.85	17.17	47.02	54.00	-6.98	AVG

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz, 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:23.9 °CRelative Humidity:42%Test Voltage:AC 120V/60HzAnt. Pol.HorizontalTest Mode:TX 802.11n(HT20) Mode 5320MHz (U-NII-2A) Antenna A+B

No	. Mk	c. Freq.	_		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10639.450	40.17	17.25	57.42	68.30	-10.88	peak
2	*	10639.882	27.77	17.25	45.02	54.00	-8.98	AVG

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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:	23.9℃	Relative Humidity:	42%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11n(HT20) Mode	5320MHz (U-NII-2A) A	Intenna A+B

No. Mk.		k. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10640.005	41.97	17.25	59.22	68.30	-9.08	peak
2	*	10641.213	28.55	17.25	45.80	54.00	-8.20	AVG

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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.



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Temperature:	23.9℃	Relative Humidity:	42%					
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz						
Ant. Pol.	Horizontal							
Test Mode:	TX 802.11ac(VHT20) Mode 5260MHz (U-NII-2A) Antenna A+B							

1	No. Mk.		. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	10520.266	30.11	17.12	47.23	54.00	-6.77	AVG
2			10520.670	42.13	17.12	59.25	68.30	-9.05	peak

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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.

Tem	pera	ture:	23.9	9℃	F	Relative Hum	idity:	42%			
Test	Volt	age:	AC	AC 120V/60Hz							
Ant.	Ant. Pol. Vertical							DATE			
Test	Mod	de:	TX	802.11ac(VH	IT20) Mode	5260MHz (U	J-NII-2A) Antenna A	+B		
No.	. MI	k. Fre	q.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
		MH	Z	dBuV	dB/m	dBuV/m	dBuV	m dB	Detector		
1		10519.	680	29.26	17.12	46.38	54.0	0 -7.62	AVG		
2	*	10520.	500	43.73	17.12	60.85	68.3	0 -7.45	peak		

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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.



1	emperature:	23.9℃	Relative Humidity:	42%				
٦	est Voltage:	AC 120V/60Hz						
1	Ant. Pol.	Horizontal						
٦	est Mode:	TX 802.11ac(VHT20) Mode 5280MHz (U-NII-2A) Antenna A+B						

No.	Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10560.450	42.63	17.17	59.80	68.30	-8.50	peak
2	*	10561.300	30.35	17.17	47.52	54.00	-6.48	AVG

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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:	23.9℃	Relative Humidity:	42%			
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Vertical					
Test Mode:	TX 802.11ac(VHT20) Mode 5280MHz (U-NII-2A) Antenna A+B					

No. Mk.		Иk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	1	10560.101	29.08	17.17	46.25	54.00	-7.75	AVG
2		1	10560.688	43.22	17.17	60.39	68.30	-7.91	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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.



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	MALL NATIONAL PROPERTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PART							
	Temperature:	23.9℃	Relative Humidity:	42%				
ľ	Test Voltage:	AC 120V/60Hz						
	Ant. Pol.	Horizontal	0					
	Test Mode:	TX 802.11 ac(VHT20) Mode 5320MHz (U-NII-2A) Antenna A+B						

N	No.	Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	10639.225	28.91	17.25	46.16	54.00	-7.84	AVG
2			10640.465	41.49	17.25	58.74	68.30	-9.56	peak

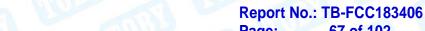
Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz, 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:	23.9℃	Relative Humidity:	42%			
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Vertical	TUL				
Test Mode:	TX 802.11ac(VHT20) Mode 5320MHz (U-NII-2A) Antenna A+B					

No. Mk.		Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	10638.500	27.87	17.25	45.12	54.00	-8.88	AVG
2			10640.121	42.13	17.25	59.38	68.30	-8.92	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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.



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	Temperature:	23.9℃	Relative Humidity:	42%			
1	Test Voltage:	AC 120V/60Hz					
	Ant. Pol.	Horizontal					
	Test Mode:	TX 802.11n(HT40) Mode	5270MHz (U-NII-2A) A	Antenna A+B			

-	No.	Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	10540.200	29.18	17.14	46.32	54.00	-7.68	AVG
2			10540.650	42.72	17.14	59.86	68.30	-8.44	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz, 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:	23.9℃	Relative Humidity:	42%			
Test Voltage:	AC 120V/60Hz		0			
Ant. Pol. Vertical						
Test Mode:	Mode: TX 802.11n(HT40) Mode 5270MHz (U-NII-2A) Antenna A+B					

N	0.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	10539.688	30.40	17.14	47.54	54.00	-6.46	AVG
2			10540.250	42.24	17.14	59.38	68.30	-8.92	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz, 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.



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Temperature:	23.9℃	Relative Humidity:	42%			
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Horizontal					
Test Mode:	TX 802.11n(HT40) Mode 5310MHz (U-NII-2A) Antenna A+B					

No.	Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10618.650	39.99	17.23	57.22	68.30	-11.08	peak
2	*	10620.188	28.13	17.23	45.36	54.00	-8.64	AVG

Remark:

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

23.9℃	Relative Humidity:	42%		
AC 120V/60Hz				
Ant. Pol. Vertical				
TX 802.11n(HT40) Mode	5310MHz (U-NII-2A) A	ntenna A+B		
	AC 120V/60Hz Vertical	AC 120V/60Hz		

No	٥.	Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	10618.766	28.78	17.23	46.01	54.00	-7.99	AVG
2			10620.200	40.92	17.23	58.15	68.30	-10.15	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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.



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Temperature:	23.9℃	Relative Humidity:	42%			
Test Voltage:	AC 120V/60Hz	2120V/60Hz				
Ant. Pol.	Horizontal					
Test Mode:	TX 802.11ac(VHT40) Mode 5270MHz (U-NII-2A) Antenna A+B					

No.	Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10539.850	42.34	17.14	59.48	68.30	-8.82	peak
2	*	10540.160	30.41	17.14	47.55	54.00	-6.45	AVG

Remark:

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

Test Voltage:	AC 120V/60Hz	COLLINS -	MAG		
Ant. Pol. Vertical					
Test Mode:	ΓΧ 802.11ac(VHT40) Mod	de 5270MHz (U-NII-2A) Antenna A+B		

No	. M	k. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10540.566	41.34	17.14	58.48	68.30	-9.82	peak
2	*	10540.600	29.08	17.14	46.22	54.00	-7.78	AVG

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



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Temperature:	23.9℃	Relative Humidity:	42%				
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Horizontal						
Test Mode:	TX 802.11ac(VHT40) Mode 5310MHz (U-NII-2A) Antenna A+B						

No.	Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10620.033	40.98	17.23	58.21	68.30	-10.09	peak
2	*	10621.455	28.99	17.23	46.22	54.00	-7.78	AVG

Remark:

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

Temperature:	23.9℃	Relative Humidity:	42%		
Test Voltage:	AC 120V/60Hz				
Ant. Pol.	Vertical	WILLIAM STATE			
Test Mode:	TX 802.11ac(VHT40) Mode 5310MHz (U-NII-2A) Antenna A+B				

No.	. Mi	c. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10619.860	40.00	17.23	57.23	68.30	-11.07	peak
2	*	10620.120	27.92	17.23	45.15	54.00	-8.85	AVG

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



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Temperature:	23.9℃	Relative Humidity:	42%				
Test Voltage:	AC 120V/60Hz						
Ant. Pol.	Horizontal						
Test Mode:	TX 802.11ac(VHT80) Mo	TX 802.11ac(VHT80) Mode 5290MHz (U-NII-2A) Antenna A+B					

N	lo.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1			10579.900	39.92	17.19	57.11	68.30	-11.19	peak
2		*	10581.220	27.83	17.19	45.02	54.00	-8.98	AVG

Remark:

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

Temperature:	23.9℃	Relative Humidity:	42%				
Test Voltage:	AC 120V/60Hz						
Ant. Pol.	Vertical	Vertical					
Test Mode:	TX 802.11ac(VHT80) Mo	TX 802.11ac(VHT80) Mode 5290MHz (U-NII-2A) Antenna A+B					

No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10582.300	26.91	17.19	44.10	54.00	-9.90	AVG
2	*	10585.200	42.06	17.19	59.25	68.30	-9.05	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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.



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5500MHz-5700MHz(U-NII-2C)

Temperature:	23.9℃	Relative Humidity:	42%
Test Voltage:	AC 120V/60Hz	an in	Unnig
Ant. Pol.	Horizontal	1	
Test Mode:	TX 802.11a Mode 5500N	/IHz (U-NII-2C)	NU.

No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11000.200	27.56	17.63	45.19	54.00	-8.81	AVG
2	*	11001.022	42.59	17.63	60.22	68.30	-8.08	peak

Remark:

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

Temperature:	23.9℃	Relative Humidity:	42%
Test Voltage:	AC 120V/60Hz		THU
Ant. Pol.	Vertical		
Test Mode:	TX 802.11a Mode 5500M	IHz (U-NII-2C)	TO V

N	No. Mk.		Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	1	0999.260	27.49	17.63	45.12	54.00	-8.88	AVG
2		1	1000.263	40.97	17.63	58.60	68.30	-9.70	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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.



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V M			THE STATE OF THE S	
	Temperature:	23.9℃	Relative Humidity:	42%
	Test Voltage:	AC 120V/60Hz	MUDI	The same
	Ant. Pol.	Horizontal		

TX 802.11a Mode 5580MHz (U-NII-2C)

No	0.	Mk.	Freq.	_	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	11159.565	28.64	17.86	46.50	54.00	-7.50	AVG
2			11160.200	42.48	17.86	60.34	68.30	-7.96	peak

Remark:

Test Mode:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz, 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:	23.9℃	Relative Humidity:	42%					
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz						
Ant. Pol.	Vertical	WILLIAM STATE	The same					
Test Mode:	TX 802.11a Mode 5580MHz (U-NII-2C)							

No.	. Mi	c. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11159.688	41.34	17.86	59.20	68.30	-9.10	peak
2	*	11160.320	28.33	17.86	46.19	54.00	-7.81	AVG

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz, 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.



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Temperature:	23.9℃	Relative Humidity:	42%				
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Horizontal	7	TO THE REAL PROPERTY.				
Test Mode:	TX 802.11a Mode 5700MHz (U-NII-2C)						

	No.	Mk	. Freq.	_		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	11399.868	30.00	18.22	48.22	54.00	-5.78	AVG
2			11400.510	41.20	18.22	59.42	68.30	-8.88	peak

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz, 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:	23.9℃	Relative Humidity:	42%					
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz						
Ant. Pol.	Vertical		MIN.					
Test Mode:	TX 802.11a Mode 5700N	TX 802.11a Mode 5700MHz (U-NII-2C)						

No	. Mk	c. Freq.	_		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11400.220	42.13	18.22	60.35	68.30	-7.95	peak
2	*	11401.680	29.62	18.22	47.84	54.00	-6.16	AVG

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



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Temperature:23.9 °CRelative Humidity:42%Test Voltage:AC 120V/60HzAnt. Pol.HorizontalTest Mode:TX 802.11n(HT20) Mode 5500MHz (U-NII-2C) Antenna A+B

N	0.	Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	11000.112	27.98	17.63	45.61	54.00	-8.39	AVG
2			11001.220	41.19	17.63	58.82	68.30	-9.48	peak

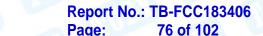
Remark

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

23.9℃	Relative Humidity:	42%				
AC 120V/60Hz						
Vertical	WILLIAM STATE	The same				
TX 802.11 n(HT20) Mode 5500MHz (U-NII-2C) Antenna A+B						
	AC 120V/60Hz Vertical	AC 120V/60Hz Vertical				

N	lo.	Mk	c. Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	10999.311	26.57	17.63	44.20	54.00	-9.80	AVG
2			11000.012	39.86	17.63	57.49	68.30	-10.81	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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:23.9 °CRelative Humidity:42%Test Voltage:AC 120V/60HzAnt. Pol.HorizontalTest Mode:TX 802.11n(HT20) Mode 5580MHz (U-NII-2C) Antenna A+B

	No.	Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	11159.800	29.63	17.86	47.49	54.00	-6.51	AVG
2			11160.310	42.40	17.86	60.26	68.30	-8.04	peak

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz, 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:	23.9℃	Relative Humidity:	42%			
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Vertical	Vertical				
Test Mode:	TX 802.11n(HT20) Mode 5580MHz (U-NII-2C) Antenna A+B					

No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11160.200	42.24	17.86	60.10	68.30	-8.20	peak
2	*	11160.370	28.95	17.86	46.81	54.00	-7.19	AVG

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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.



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Temperature:	23.9℃	Relative Humidity:	42%				
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Horizontal						
Test Mode:	TX 802.11n(HT20) Mode	X 802.11n(HT20) Mode 5700MHz (U-NII-2C) Antenna A+B					

	No.	Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	11398.460	27.97	18.22	46.19	54.00	-7.81	AVG
2			11399.500	40.98	18.22	59.20	68.30	-9.10	peak

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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:	23.9℃	Relative Humidity:	42%			
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Vertical	Vertical				
Test Mode:	TX 802.11n(HT20) Mode 5700MHz (U-NII-2C) Antenna A+B					

No.	. Mk	. Freq.	_		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11400.150	41.18	18.22	59.40	68.30	-8.90	peak
2	*	11400.300	28.17	18.22	46.39	54.00	-7.61	AVG

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz, 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.



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	MALL NATIONAL PROPERTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PART						
	Temperature:	23.9℃	Relative Humidity:	42%			
ľ	Test Voltage:	AC 120V/60Hz					
	Ant. Pol.	Horizontal	Horizontal				
	Test Mode:	TX 802.11ac(VHT20) Mode 5500MHz (U-NII-2C) Antenna A+B					

1	Vo.	Mk	c. Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	11000.055	28.69	17.63	46.32	54.00	-7.68	AVG
2			11000.520	39.49	17.63	57.12	68.30	-11.18	peak

Remark:

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

Temperature:	23.9℃	Relative Humidity:	42%			
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Vertical	Vertical				
Test Mode:	TX 802.11 ac(VHT20) Mode 5500MHz (U-NII-2C) Antenna A+B					

No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10998.230	38.55	17.63	56.18	68.30	-12.12	peak
2	*	11000.110	27.57	17.63	45.20	54.00	-8.80	AVG

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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.



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-							
	Temperature:	23.9℃	Relative Humidity:	42%			
V	Test Voltage:	AC 120V/60Hz					
	Ant. Pol.	Horizontal	Horizontal				
	Test Mode:	TX 802.11 ac(VHT20) Mode 5580MHz (U-NII-2C) Antenna A+B					

No.	Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11159.380	40.28	17.86	58.14	68.30	-10.16	peak
2	*	11160.900	29.99	17.86	47.85	54.00	-6.15	AVG

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz, 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:	23.9℃	Relative Humidity:	42%			
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Vertical	WILLIAM STATE				
Test Mode:	TX 802.11 ac(VHT20) Mode 5580MHz (U-NII-2C) Antenna A+B					

No	No. Mk.		Reading Corro lk. Freq. Level Fac				Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	11	1160.200	29.34	17.86	47.20	54.00	-6.80	AVG
2		11	1160.380	40.59	17.86	58.45	68.30	-9.85	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz, 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.



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Temperature:	23.9℃	Relative Humidity:	42%			
Test Voltage:	AC 120V/60Hz	MUDIA				
Ant. Pol.	Horizontal	Horizontal				
Test Mode:	TX 802.11 ac(VHT20) Mo	X 802.11 ac(VHT20) Mode 5700MHz (U-NII-2C) Antenna A+B				

1	No. Mk.		. Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	11399.620	29.29	18.22	47.51	54.00	-6.49	AVG
2			11400.700	40.38	18.22	58.60	68.30	-9.70	peak

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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:	23.9℃	Relative Humidity:	42%				
Test Voltage:	AC 120V/60Hz	C 120V/60Hz					
Ant. Pol.	Vertical	WILLIAM STATE	110				
Test Mode:	TX 802.11 ac(VHT20) Mo	TX 802.11 ac(VHT20) Mode 5720MHz (U-NII-2C) Antenna A+B					

No.	Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11400.210	40.14	18.22	58.36	68.30	-9.94	peak
2	*	11400.500	28.53	18.22	46.75	54.00	-7.25	AVG

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



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	MALL NATIONAL PROPERTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PART							
	Temperature:	23.9℃	Relative Humidity:	42%				
ľ	Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
	Ant. Pol.	Horizontal	a w					
	Test Mode:	TX 802.11n(HT40) Mode	X 802.11n(HT40) Mode 5510MHz (U-NII-2C) Antenna A+B					

No). N	1k.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	1	1019.822	27.34	17.67	45.01	54.00	-8.99	AVG
2		1	1021.233	38.75	17.67	56.42	68.30	-11.88	peak

Remark:

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

Temperature:	23.9℃	Relative Humidity:	42%			
Test Voltage:	AC 120V/60Hz		TYU			
Ant. Pol.	Vertical					
Test Mode:	TX 802.11n(HT40) Mode	TX 802.11n(HT40) Mode 5510MHz (U-NII-2C) Antenna A+B				

No	No. Mk.		Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	1	1019.165	26.51	17.66	44.17	54.00	-9.83	AVG
2		1	1020.600	38.08	17.67	55.75	68.30	-12.55	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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:	23.9℃	Relative Humidity:	42%				
Test Voltage:	AC 120V/60Hz	NUMBER					
Ant. Pol.	Horizontal						
Test Mode:	TX 802.11n(HT40) Mode	X 802.11n(HT40) Mode 5550MHz (U-NII-2C) Antenna A+B					

No	o. MI	k. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11099.700	40.52	17.78	58.30	68.30	-10.00	peak
2	*	11100.690	30.24	17.78	48.02	54.00	-5.98	AVG

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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:	23.9℃	Relative Humidity:	42%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11n(HT40) Mode	5550MHz (U-NII-2C) A	Antenna A+B

No. Mk.		lk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	1	1100.055	29.11	17.78	46.89	54.00	-7.11	AVG
2		1	1101.600	39.46	17.78	57.24	68.30	-11.06	peak

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



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Temperature:	23.9℃	Relative Humidity:	42%				
Test Voltage:	AC 120V/60Hz	C 120V/60Hz					
Ant. Pol.	Horizontal	1					
Test Mode:	TX 802.11n(HT40) Mode	5670MHz (U-NII-2C) A	Antenna A+B				

No.	Mk	c. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11339.410	40.00	18.13	58.13	68.30	-10.17	peak
2	*	11340.500	30.09	18.13	48.22	54.00	-5.78	AVG

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz, 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.

23.9℃	Relative Humidity:	42%				
AC 120V/60Hz						
Vertical	Vertical					
TX 802.11n(HT40) Mode	TX 802.11n(HT40) Mode 5670MHz (U-NII-2C) Antenna A+B					
	AC 120V/60Hz Vertical	AC 120V/60Hz Vertical				

No. Mk.		k. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	11339.200	29.45	18.13	47.58	54.00	-6.42	AVG
2		11340.250	40.02	18.13	58.15	68.30	-10.15	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz, 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.



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	MALL NATIONAL PROPERTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PART							
	Temperature:	23.9℃	Relative Humidity:	42%				
ľ	Test Voltage:	AC 120V/60Hz						
	Ant. Pol.	Horizontal	a w					
	Test Mode:	TX 802.11ac(VHT40) Mo	TX 802.11ac(VHT40) Mode 5510MHz (U-NII-2C) Antenna A+B					

No.	Mk	c. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11019.862	39.43	17.67	57.10	68.30	-11.20	peak
2	*	11020.066	27.12	17.67	44.79	54.00	-9.21	AVG

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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:	23.9℃	Relative Humidity:	42%		
Test Voltage:	AC 120V/60Hz				
Ant. Pol.	Vertical	WILLIAM STATE			
Test Mode:	TX 802.11ac(VHT40) Mode 5510MHz (U-NII-2C) Antenna A+B				

No. Mk.		k. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	11019.362	27.91	17.66	45.57	54.00	-8.43	AVG
2		11020.208	37.45	17.67	55.12	68.30	-13.18	peak

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



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	Temperature:	23.9℃	Relative Humidity:	42%				
V	Test Voltage:	AC 120V/60Hz						
	Ant. Pol.	Horizontal	1					
	Test Mode:	TX 802.11ac(VHT40) Mo	TX 802.11ac(VHT40) Mode 5550MHz (U-NII-2C) Antenna A+B					

	No.	Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	11099.600	28.47	17.78	46.25	54.00	-7.75	AVG
2			11100.652	41.26	17.78	59.04	68.30	-9.26	peak

Remark

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz, 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.

ode 5550MHz (U-NII-2C	C) Antenna A+B
	ode 5550MHz (U-NII-20

No.	Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11100.640	39.33	17.78	57.11	68.30	-11.19	peak
2	*	11101.230	29.14	17.78	46.92	54.00	-7.08	AVG

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz, 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.



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Temperature:	23.9℃	Relative Humidity:	42%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal	a w	
Test Mode:	TX 802.11ac(VHT40) Mo	de 5670MHz (U-NII-20	C) Antenna A+B

No.	. MI	k. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11340.211	40.56	18.13	58.69	68.30	-9.61	peak
2	*	11341.063	28.22	18.13	46.35	54.00	-7.65	AVG

Remark:

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

Temperature:	23.9℃	Relative Humidity:	43%		
Test Voltage:	AC 120V/60Hz				
Ant. Pol.	Vertical	WILLIAM STATE			
Test Mode:	TX 802.11ac(VHT40) Mo	TX 802.11ac(VHT40) Mode 5670MHz (U-NII-2C) Antenna A+B			

No	. MI	k. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11339.800	40.49	18.13	58.62	68.30	-9.68	peak
2	*	11340.500	28.99	18.13	47.12	54.00	-6.88	AVG

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



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23.9℃	Relative Humidity:	42%
AC 120V/60Hz		
Horizontal		
TX 802.11ac(VHT80) Mod	de 5530MHz (U-NII-2C	C) Antenna A+B
	AC 120V/60Hz Horizontal	AC 120V/60Hz

No	. Mk	. Freq.	_		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11061.800	39.42	17.72	57.14	68.30	-11.16	peak
2	*	11062.465	27.23	17.72	44.95	54.00	-9.05	AVG

Remark

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz, 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:	23.9℃	Relative Humidity:	42%
Test Voltage:	AC 120V/60Hz	Nu.	
Ant. Pol.	Vertical		MUDE
Test Mode:	TX 802.11ac(VHT80) Mo	de 5530MHz (U-NII-20	C) Antenna A+B

No	. M	k. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11059.552	36.46	17.72	54.18	68.30	-14.12	peak
2	*	11060.320	27.49	17.72	45.21	54.00	-8.79	AVG

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



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MINA I ROSE			
Temperature:	23.9℃	Relative Humidity:	42%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11ac(VHT80) Mo	de 5610MHz (U-NII-20	C) Antenna A+B

	No.	Mk	. Freq.	_		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	11220.690	30.36	17.96	48.32	54.00	-5.68	AVG
2			11221.470	41.54	17.96	59.50	68.30	-8.80	peak

Remark:

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

Temperature:	23.9℃	Relative Humidity:	42%				
Test Voltage:	AC 120V/60Hz						
Ant. Pol.	Vertical	Vertical					
Test Mode:	TX 802.11ac(VHT80) Mode 5610MHz (U-NII-2C) Antenna A+B						

N	0.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB	Detector
1			11219.680	38.94	17.96	56.90	68.30	-11.40	peak
2		*	11220.300	29.85	17.96	47.81	54.00	-6.19	AVG

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz, 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.



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

Temperature:	23.9℃	23.9℃ Relative Humidity:					
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz					
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX 802.11a Mode 5745N	TX 802.11a Mode 5745MHz (U-NII-3)					

No	. 1	Иk.	Freq.	_	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	1	11488.650	25.91	18.35	44.26	54.00	-9.74	AVG
2		1	11491.262	37.48	18.35	55.83	68.30	-12.47	peak

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz, 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:	23.9℃	Relative Humidity:	42%				
Test Voltage:	AC 120V/60Hz						
Ant. Pol.	Vertical	Vertical					
Test Mode:	TX 802.11a Mode 5745MHz (U-NII-3)						

N	No. Mk.		Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	1	1490.050	27.26	18.35	45.61	54.00	-8.39	AVG
2		1	1490.212	38.54	18.35	56.89	68.30	-11.41	peak

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



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Te	emperature:	23.9℃	Relative Humidity:	42%				
Te	est Voltage:	AC 120V/60Hz	AC 120V/60Hz					
A	nt. Pol.	Horizontal	1					
Te	est Mode:	TX 802.11a Mode 5785M	TX 802.11a Mode 5785MHz (U-NII-3)					

No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11569.650	39.77	18.45	58.22	68.30	-10.08	peak
2	*	11570.150	27.89	18.45	46.34	54.00	-7.66	AVG

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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:	23.9℃	Relative Humidity:	42%				
Test Voltage:	AC 120V/60Hz	N. C.					
Ant. Pol.	Vertical	Vertical					
Test Mode:	TX 802.11a Mode 5785M	IHz (U-NII-3)					

No	No. Mk.		. Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	11569.230	30.78	18.45	49.23	54.00	-4.77	AVG
2			11570.200	38.59	18.45	57.04	68.30	-11.26	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz, 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.





Tei	mperature:	23.9℃	Relative Humidity:	42%					
Tes	st Voltage:	AC 120V/60Hz	AC 120V/60Hz						
An	t. Pol.	Horizontal	Horizontal						
Tes	st Mode:	TX 802.11a Mode 5825MHz (U-NII-3)							

No. Mk.		Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	•	11649.688	28.71	18.56	47.27	54.00	-6.73	AVG
2		•	11650.210	41.09	18.55	59.64	68.30	-8.66	peak

Remark

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz, 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:	23.9℃	Relative Humidity:	42%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11a Mode 5825M	IHz (U-NII-3)	

No.	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11649.800	39.46	18.56	58.02	68.30	-10.28	peak
2	*	11650.256	29.83	18.55	48.38	54.00	-5.62	AVG

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz, 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:23.9 °CRelative Humidity:42%Test Voltage:AC 120V/60HzAnt. Pol.HorizontalTest Mode:TX 802.11n(HT20) Mode 5745MHz (U-NII-3) Antenna A+B

No.	. MI	c. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	11490.200	26.01	18.35	44.36	54.00	-9.64	AVG
2		11491.500	37.82	18.35	56.17	68.30	-12.13	peak

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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:	23.9℃	Relative Humidity:	42%
Test Voltage:	AC 120V/60Hz	N. W.	
Ant. Pol.	Vertical		
Test Mode:	TX 802.11n(HT20) Mode	5745MHz (U-NII-3) An	tenna A+B

No	o. N	Λk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	1	1488.255	25.97	18.35	44.32	54.00	-9.68	AVG
2		1	1490.258	36.94	18.35	55.29	68.30	-13.01	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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.



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A L M L R AND			
Temperature:	23.9℃	Relative Humidity:	42%
Test Voltage:	AC 120V/60Hz		MUD
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11n(HT20) Mode	5785MHz (U-NII-3) Ar	itenna A+B

No.	. Mł	c. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11569.560	39.76	18.45	58.21	68.30	-10.09	peak
2	*	11571.022	28.74	18.45	47.19	54.00	-6.81	AVG

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz, 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:	23.9℃	Relative Humidity:	42%
Test Voltage:	AC 120V/60Hz		TIVU
Ant. Pol.	Vertical		
Test Mode:	TX 802.11n(HT20) Mode	5785MHz (U-NII-3) An	tenna A+B

1	Vo.	Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	11568.900	28.84	18.45	47.29	54.00	-6.71	AVG
2			11569.670	39.61	18.45	58.06	68.30	-10.24	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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.



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Temperature:	23.9℃	Relative Humidity:	42%				
Test Voltage:	AC 120V/60Hz	W	The same				
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX 802.11n(HT20) Mode	5825MHz (U-NII-3) An	itenna A+B				

No	٥.	Mk.	Freq.	_	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1			11590.055	38.68	18.47	57.15	68.30	-11.15	peak
2		*	11590.477	28.39	18.47	46.86	54.00	-7.14	AVG

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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:	23.9℃	Relative Humidity:	42%			
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Vertical	THE STATE OF THE S				
Test Mode:	TX 802.11n(HT20) Mode 5825MHz (U-NII-3) Antenna A+B					

No	o. I	Иk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	•	11589.900	30.22	18.47	48.69	54.00	-5.31	AVG
2		1	11590.300	39.75	18.47	58.22	68.30	-10.08	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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:	23.9℃	Relative Humidity:	42%					
V	Test Voltage:	AC 120V/60Hz	C 120V/60Hz						
	Ant. Pol.	Horizontal	1						
	Test Mode:	TX 802.11ac(VHT20) Mo	TX 802.11ac(VHT20) Mode 5745MHz (U-NII-3) Antenna A+B						

1	No.	Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	11489.656	26.93	18.35	45.28	54.00	-8.72	AVG
2			11489.823	35.75	18.35	54.10	68.30	-14.20	peak

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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:	23.9℃	Relative Humidity:	42%					
Test Voltage:	AC 120V/60Hz	AC 120V/60Hz						
Ant. Pol.	Vertical	The same of the sa						
Test Mode:	TX 802.11ac(VHT20) Mode 5745MHz (U-NII-3) Antenna A+B							

No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11490.255	38.42	18.35	56.77	68.30	-11.53	peak
2	*	11492.388	27.83	18.35	46.18	54.00	-7.82	AVG

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz, 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.



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Temperature:	23.9℃	Relative Humidity:	42%					
Test Voltage:	AC 120V/60Hz	C 120V/60Hz						
Ant. Pol.	Horizontal							
Test Mode:	TX 802.11ac(VHT20) M	TX 802.11ac(VHT20) Mode 5785MHz (U-NII-3) Antenna A+B						

No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11570.230	38.65	18.45	57.10	68.30	-11.20	peak
2	*	11571.012	29.84	18.45	48.29	54.00	-5.71	AVG

Remark:

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

Temperature:	23.9℃	Relative Humidity:	42%			
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Vertical	WILLIAM STATE	N. C.			
Test Mode:	TX 802.11ac(VHT20) Mode 5785MHz (U-NII-3) Antenna A+B					

No. Mk.		Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	1	*	11569.890	29.91	18.45	48.36	54.00	-5.64	AVG
2			11570.250	40.76	18.45	59.21	68.30	-9.09	peak

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



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Temperature:23.9 °CRelative Humidity:42%Test Voltage:AC 120V/60HzAnt. Pol.Horizontal

TX 802.11ac(VHT20) Mode 5825MHz (U-NII-3) Antenna A+B

No.	Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11650.100	40.93	18.55	59.48	68.30	-8.82	peak
2	*	11650.500	30.47	18.55	49.02	54.00	-4.98	AVG

Remark:

Test Mode:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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:	23.9℃	Relative Humidity:	42%			
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Vertical	WILLIAM STATE	N. C.			
Test Mode:	TX 802.11ac(VHT20) Mode 5825MHz (U-NII-3) Antenna A+B					

No.		Mk.	. Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	1	*	11649.700	30.94	18.56	49.50	54.00	-4.50	AVG
2			11650.260	40.20	18.55	58.75	68.30	-9.55	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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.





	MALL NATIONAL PROPERTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PART						
	Temperature:	23.9℃	Relative Humidity:	42%			
ľ	Test Voltage:	AC 120V/60Hz					
	Ant. Pol.	Horizontal	a w				
	Test Mode:	TX 802.11n(HT40) Mode	tenna A+B				

	No.	Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	11510.300	26.86	18.38	45.24	54.00	-8.76	AVG
2	2		11511.466	37.52	18.38	55.90	68.30	-12.40	peak

Remark:

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

Temperature:	23.9℃	Relative Humidity:	42%				
Test Voltage:	AC 120V/60Hz						
Ant. Pol.	Vertical	WILLIAM STATE	M. C.				
Test Mode:	TX 802.11n(HT40) Mode 5755MHz (U-NII-3) Antenna A+B						

1	No.	Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	11509.389	26.00	18.38	44.38	54.00	-9.62	AVG
2			11510.166	37.88	18.38	56.26	68.30	-12.04	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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.



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Temperature:	23.9℃	Relative Humidity:	42%			
Test Voltage:	AC 120V/60Hz					
Ant. Pol.	Horizontal					
Test Mode:	ntenna A+B					

1	No.	Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	11590.677	29.65	18.47	48.12	54.00	-5.88	AVG
2			11591.200	39.18	18.47	57.65	68.30	-10.65	peak

Remark

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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:	23.9℃	Relative Humidity:	42%			
Test Voltage:	age: AC 120V/60Hz					
Ant. Pol.	Vertical					
Test Mode:	TX 802.11n(HT40) Mode	5795MHz (U-NII-3) An	tenna A+B			

No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11570.310	39.81	18.45	58.26	68.30	-10.04	peak
2	*	11570.600	28.45	18.45	46.90	54.00	-7.10	AVG

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



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	Temperature:	23.9℃	Relative Humidity:	42%			
V	Test Voltage:	AC 120V/60Hz		W. W.			
	Ant. Pol.	Horizontal	1				
	Test Mode:	TX 802.11ac(VHT40) Mode 5755MHz (U-NII-3) Antenna A+B					

No. Mk.		k.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	1′	1510.300	26.86	18.38	45.24	54.00	-8.76	AVG
2		1′	1511.466	37.52	18.38	55.90	68.30	-12.40	peak

Remark:

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

Temperature:	23.9℃	Relative Humidity:	42%		
Test Voltage: AC 120V/60Hz					
Ant. Pol.	Vertical	WILLIAM STATE	The same		
Test Mode: TX 802.11ac(VHT40) Mode 5755MHz (U-NII-3) Antenna A+B					

No	٥.	Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	11509.389	26.00	18.38	44.38	54.00	-9.62	AVG
2			11510.166	37.88	18.38	56.26	68.30	-12.04	peak

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



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	Temperature:	23.9℃	Relative Humidity:	42%			
V	Test Voltage:	AC 120V/60Hz		W. W.			
	Ant. Pol.	Horizontal	7				
	Test Mode:	TX 802.11ac(VHT40) Mode 5795MHz (U-NII-3) Antenna A+B					

No	٥.	Mk.	. Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	11589.966	28.99	18.47	47.46	54.00	-6.54	AVG
2			11590.110	39.75	18.47	58.22	68.30	-10.08	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)

Temperature:	23.9℃	Relative Humidity:	42%			
Test Voltage:	st Voltage: AC 120V/60Hz					
Ant. Pol.	Vertical					
Test Mode:	Test Mode: TX 802.11ac(VHT40) Mode 5795MHz (U-NII-3) Antenna A+B					

No	. M	lk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	11	1590.260	27.88	18.47	46.35	54.00	-7.65	AVG
2		11	1590.688	40.75	18.47	59.22	68.30	-9.08	peak

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
 3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
 4. The tests evaluated1-40GHz,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.



23.9℃	Relative Humidity:	42%				
AC 120V/60Hz						
Horizontal	Horizontal					
TX 802.11ac(VHT80) Mode 5775MHz (U-NII-3) Antenna A+B						
	AC 120V/60Hz Horizontal	AC 120V/60Hz Horizontal				

No.	Mk.	Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11549.200	36.85	18.43	55.28	68.30	-13.02	peak
2	*	11551.399	26.80	18.42	45.22	54.00	-8.78	AVG

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz,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:	23.9℃	Relative Humidity:	42%		
Test Voltage: AC 120V/60Hz					
Ant. Pol.	D O				
Test Mode:	TX 802.11ac(VHT80) Mo	de 5775MHz (U-NII-3)	Antenna A+B		

No.	М	k. Freq.	_		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	11550.150	27.77	18.42	46.19	54.00	-7.81	AVG
2		11551.420	37.89	18.42	56.31	68.30	-11.99	peak

Remark

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)
- 4. The tests evaluated1-40GHz, 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-----