



CTC Laboratories, Inc.

1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China
Tel: +86-755- 27521059 Fax: +86-755- 27521011 Http://www.sz-ctc.org.cn

TEST REPORT

Report No.....: CTC20230301E06
FCC ID.....: 2AR24-AIBOX410
Applicant: Shenzhen Absen Optoelectronic Co.,Ltd
Address.....: 18-20/F,Tower A,Building 3,Phase I,Tian An Cloud Park,N0.2018,Xuegang Rd,Bantian,Longgang District,Shenzhen,Guangdong,P.R.China
Manufacturer.....: Shenzhen Absen Optoelectronic Co.,Ltd
Address.....: 18-20/F,Tower A,Building 3,Phase I,Tian An Cloud Park,N0.2018,Xuegang Rd,Bantian,Longgang District,Shenzhen,Guangdong,P.R.China
Product Name: LED Multimedia Processor
Trade Mark: /
Model/Type reference.....: Ai Box 410
Listed Model(s): /
Standard: FCC Part 15, Subpart E 15. 407
Date of receipt of test sample...: Mar. 02, 2023
Date of testing.....: Mar. 02, 2023 to Mar. 27, 2023
Date of issue.....: Jun. 02, 2023
Result.....: PASS

Compiled by:
(Printed name+signature) Lucy Lan *lucy lan*

Supervised by:
(Printed name+signature) Eric Zhang *eric zhang*

Approved by:
(Printed name+signature) Totti Zhao *Totti Zhao*

Testing Laboratory Name: CTC Laboratories, Inc.
Address.....: 1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

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1. TEST SUMMARY

1.1. Test Standards

The tests were performed according to following standards:

[FCC Part 15, Subpart E\(15.407\)](#) — for 802.11a/n/ac, the test procedure follows the FCC KDB 789033 D02 General UNII Test Procedures New Rules V02r01.

[RSS-247 Issue 2 February 2017](#) — Digital Transmission Systems (DTSs), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN) Devices

[RSS-Gen](#) — General Requirements for Compliance of Radio Apparatus

1.2. Report Version

Revised No.	Date of issue	Description
01	Jun. 02, 2023	Original



1.3. Test Description

FCC Part 15 Subpart E (15.407) / RSS-247 Issue 2 February 2017				
Test Item	Test require		Result	Test Engineer
	FCC	IC		
Antenna Requirement	15.203	/	Pass	Lucy Lan
Conducted Emission	15.207	RSS-Gen 8.8	Pass	Lucy Lan
Band Edge Emissions	15.407(b)	RSS-247 6.2.1.2 RSS-247 6.2.2.2 RSS-247 6.2.4.2	Pass	Lucy Lan
26dB Bandwidth & 99% Bandwidth	15.407(a) (5)	RSS-247 6.2.1.2	Pass	Lucy Lan
6dB Bandwidth (only for UNII-3)	15.407(e)	RSS-247 6.2.4.1	Pass	Lucy Lan
Peak Output Power	15.407(a)	RSS-247 6.2.1.1 RSS-247 6.2.4.1	Pass	Lucy Lan
Power Spectral Density	15.407(a)	RSS-247 6.2	Pass	Lucy Lan
Transmitter Radiated Spurious Emission	15.407(b) &15.209	RSS-Gen 8.9 RSS-247 6.2.1.2 RSS-247 6.2.4.2	Pass	Lucy Lan
Frequency Stability	15.407(g)	/	Pass	Lucy Lan
Dynamic Frequency Selection (DFS)	15.407(h)	RSS-247 6.3	N/A	N/A
Automatically Discontinue Transmission	15.407(c)	/	Pass	Note(3)

Note:

(1)"N/A" is not applicable.

(2)The measurement uncertainty is not included in the test result.

(3)During no any information transmission, the EUT can automatically discontinue transmission and become standby mode for power saving. the EUT can detect the controlling sianal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.



1.4. Test Facility

CTC Laboratories, Inc.

Add: 1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Laboratory accreditation

The test facility is recognized, certified, or accredited by the following organizations:

CNAS-Lab Code: L5365

CTC Laboratories, Inc. has been assessed and proved to be in compliance with CNAS-CL01 Accreditation. Criteria for Testing and Calibration Laboratories (identical to ISO/IEC17025: 2017 General Requirements) for the Competence of Testing and Calibration Laboratories.

A2LA-Lab Cert. No.: 4340.01

CTC Laboratories, Inc. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

Industry Canada (Registration No.: 9783A, CAB Identifier: CN0029)

CTC Laboratories, Inc. EMC Laboratory has been registered by Certification and Engineer Bureau of Industry Canada for the performance of with Registration NO.: 9783A on Jan, 2016.

FCC (Registration No.: 951311, Designation Number CN1208)

CTC Laboratories, Inc. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 951311, Aug. 26, 2017.

1.5. Measurement Uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to TR-100028-01 "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 1" and TR-100028-02 "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 2" and is documented in the CTC Laboratories, Inc. quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Below is the best measurement capability for CTC Laboratories, Inc.



Test Items	Measurement Uncertainty	Notes
Transmitter power conducted	0.42 dB	(1)
Transmitter power Radiated	2.14 dB	(1)
Conducted spurious emissions 9kHz~40GHz	1.60 dB	(1)
Radiated spurious emissions 9kHz~40GHz	2.20 dB	(1)
Conducted Emissions 9kHz~30MHz	3.20 dB	(1)
Radiated Emissions 30~1000MHz	4.70 dB	(1)
Radiated Emissions 1~18GHz	5.00 dB	(1)
Radiated Emissions 18~40GHz	5.54 dB	(1)
Occupied Bandwidth	-----	(1)

Note (1): This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

1.6. Environmental Conditions

Normal Condition	Temperature	21°C~27°C
	Relative humidity	40%~60%
	Voltage	The equipment shall be the nominal voltage for which the equipment was designed.
Extreme Condition	Temperature	Measurements shall be made over the extremes of the operating temperature range as declared by the manufacturer.
	Voltage	Measurements shall be made over the extremes of the operating temperature range as declared by the manufacturer.

Normal Condition	T_N =Normal Temperature	21°C~27°C
Extreme Condition	T_L =Lower Temperature	-10 °C
	T_H =Higher Temperature	40 °C



2. GENERAL INFORMATION

2.1. Client Information

Applicant:	Shenzhen Absen Optoelectronic Co.,Ltd
Address:	18-20/F,Tower A,Building 3,Phase I,Tian An Cloud Park,N0.2018,Xuegang Rd,Bantian,Longgang District,Shenzhen,Guangdong,P.R.China
Manufacturer:	Shenzhen Absen Optoelectronic Co.,Ltd
Address:	18-20/F,Tower A,Building 3,Phase I,Tian An Cloud Park,N0.2018,Xuegang Rd,Bantian,Longgang District,Shenzhen,Guangdong,P.R.China

2.2. General Description of EUT

Product Name:	LED Multimedia Processor
Trade Mark:	Absen
Model/Type reference:	Ai Box 410
Listed Model(s):	/
Model Difference:	/
Power supply:	100-240V~ 50/60Hz
RF Module Model:	RTL8822BU
Hardware version:	/
Software version:	/
Remark:	EUT is a fixed point-to-point access points operating device. According to the power limit for 5150~5250MHz band, RTL8822BU can operating in client mode.

Technical index for 5G WIFI

Operation Band:	<input checked="" type="checkbox"/> U-NII-1	<input type="checkbox"/> U-NII-2A	<input type="checkbox"/> U-NII-2C	<input checked="" type="checkbox"/> U-NII-3
Operation Frequency Range:	U-NII-1:	5150MHz~5250MHz		
	U-NII-3:	5725MHz~5850MHz		
Support bandwidth:	802.11a	<input checked="" type="checkbox"/> 20MHz		
	802.11n	<input checked="" type="checkbox"/> 20MHz	<input checked="" type="checkbox"/> 40MHz	
	802.11ac	<input checked="" type="checkbox"/> 20MHz	<input checked="" type="checkbox"/> 40MHz	<input checked="" type="checkbox"/> 80MHz
Modulation:	802.11a: OFDM (BIT/SK, QPSK, BPSK, 16QAM) 802.11n: OFDM (BIT/SK, QPSK, BPSK, 16QAM, 64QAM) 802.11ac: OFDM (BIT/SK, QPSK, BPSK, 16QAM, 64QAM, 256QAM)			
Bit Rate of Transmitter:	802.11a: 6/9/12/18/24/36/48/54 Mbps 802.11n: up to 300Mbps 802.11ac: at most 866.7 Mbps			
Antenna 1 or 2 type:	External Antenna			
Antenna 1 or 2 gain:	5dBi			

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2.3. Accessory Equipment Information

Equipment Information			
Name	Model	S/N	Manufacturer
Notebook	X220	/	Lenovo
Cable Information			
Name	Shielded Type	Ferrite Core	Length
USB Cable	Unshielded	NO	150cm
AC Cable	Unshielded	NO	120cm
Test Software Information			
Name	Software version	/	/
REALTEK 11ac 8822BU USB WLAN NIC Massproduction Kit	/	/	/

2.4. Operation State

Operation Frequency List:

Band (MHz)	20MHz Bandwidth		40MHz Bandwidth		80MHz Bandwidth			
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)		
U-NII-1	36	5180	38	5190	42	5210		
	40	5200						
	44	5220	46	5230				
	48	5240						
U-NII-3	149	5745	151	5755	155	5775		
	153	5765						
	157	5785	159	5795				
	161	5805						
	165	5825						

Test channel is below:

Operating Band	Test Channel	20MHz		40MHz		80MHz	
		Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
U-NII-1	CH _L	36	5180	38	5190	/	/
	CH _M	40	5200	/	/	42	5210
	CH _H	48	5240	46	5230	/	/
U-NII-3	CH _L	149	5745	151	5755	/	/
	CH _M	157	5785	/	/	155	5775
	CH _H	165	5825	159	5795	/	/

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Antenna Specification:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain(dBi)
1	NA	NA	External Antenna	IPEX	5
2	NA	NA	External Antenna	IPEX	5

Note: Antenna Gain=5dBi. This EUT supports MIMO 2X2, any transmit signals are correlated with each other, so Directional gain = $G_{Ant} + 10\log(N) \text{ dBi}$, that is Directional gain=5+10log (2) dBi =8dBi; So, the UNII-1, UNII-3 output power limit is 30-8+6=28dBm. The UNII-1 power spectral density limit is 17-8+6=15dBm/MHz, the UNII-3 power spectral density limit is 30-8+6=28dBm/500kHz.

Data Rated

Preliminary tests were performed in different data rate, and found which the below bit rate is worst case mode, so only show data which it is a worst case mode.

Mode	Data rate (worst mode)
802.11a	6Mbps
802.11n(HT20)/ 802.11n(HT40)	HT-MCS0
802.11ac(VHT20)/ 802.11ac(VHT40)/ 802.11ac(VHT80)	VHT-MCS0

Test mode

For RF test items
The engineering test program was provided and enabled to make EUT continuous transmit.
For AC power line conducted emissions:
The EUT was set to connect with the WLAN AP under large package sizes transmission.
For Radiated spurious emissions test item:
The engineering test program was provided and enabled to make EUT continuous transmit. The EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data Recorded in the report.



2.5. Measurement Instruments List

Radiated emission					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Calibrated Until
1	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	9168-759	Mar. 30, 2024
2	Horn Antenna	Schwarzbeck	BBHA 9120D	9120D-647	Dec. 01, 2024
3	Test Receiver	Keysight	N9038A	MY56400071	Dec. 16, 2023
4	Broadband Premplifier	SCHWARZBECK	BBV9743B	259	Dec. 16, 2023
5	Mirowave Broadband Amplifier	SCHWARZBECK	BBV9718C	111	Dec. 16, 2023
6	3m chamber 3	YIHENG	EE106	/	Sep. 09, 2023

Conducted emission					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Calibrated until
1	LISN	R&S	ENV216	101112	Dec. 16, 2023
2	LISN	R&S	ENV216	101113	Dec. 16, 2023
3	EMI Test Receiver	R&S	ESCS30	100353	Dec. 16, 2023
4	ISN CAT6	Schwarzbeck	NTFM 8158	CAT6-8158-0046	Dec. 16, 2023
5	ISN CAT5	Schwarzbeck	NTFM 8158	CAT5-8158-0046	Dec. 16, 2023

Tonscend RF Test System					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Calibrated until
1	MXA Signal Analyzer	Keysight	N9020A	MY46471737	Dec. 16, 2023
2	Spectrum Analyzer	R&S	FSU26	100105	Dec. 16, 2023
3	Spectrum Analyzer	R&S	FSV40-N	101331	Mar. 14, 2024
4	MXG Vector Signal Generator	Agilent	N5182A	MY47420864	Dec. 16, 2023
5	PSG Analog Signal Generator	Agilent	E8257D	MY46521908	Dec. 16, 2023
6	Power Sensor	Keysight	U2021XA	MY55130004	Mar. 14, 2024
7	Power Sensor	Keysight	U2021XA	MY55130006	Mar. 14, 2024
8	Wideband Radio Communication Tester	R&S	CMW500	102414	Dec. 16, 2023
9	High and low temperature box	ESPEC	MT3035	/	Mar. 24, 2024
10	JS1120 RF Test system	TONSCEND	v2.6	/	/

Note: 1. The Cal. Interval was one year.

2. The cable loss has calculated in test result which connection between each test instruments.

3. TEST ITEM AND RESULTS

3.1. Conducted Emission

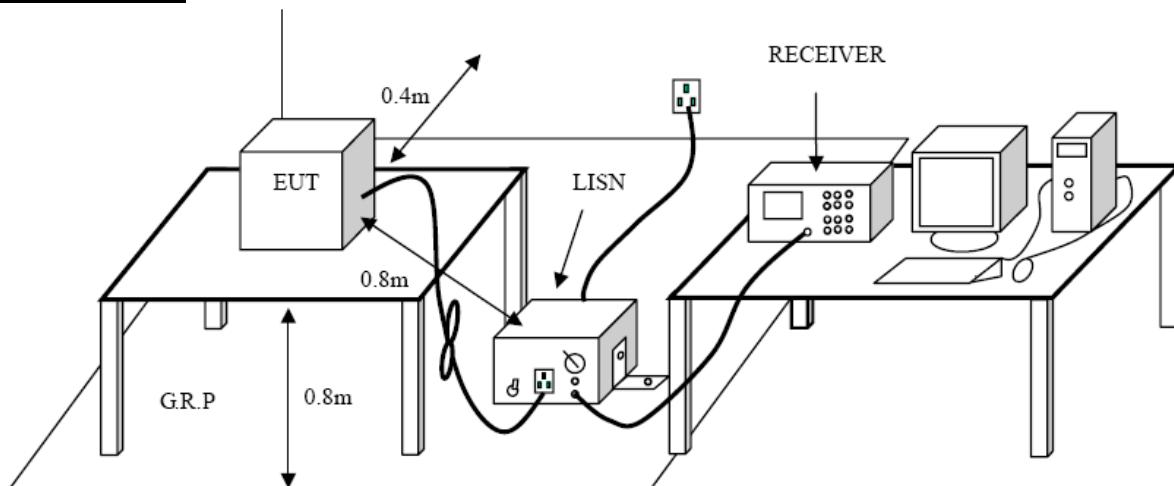
Limit

FCC CFR Title 47 Part 15 Subpart C Section 15.207/ RSS – Gen 8.8:

Frequency range (MHz)	Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

* Decreases with the logarithm of the frequency.

Test Configuration

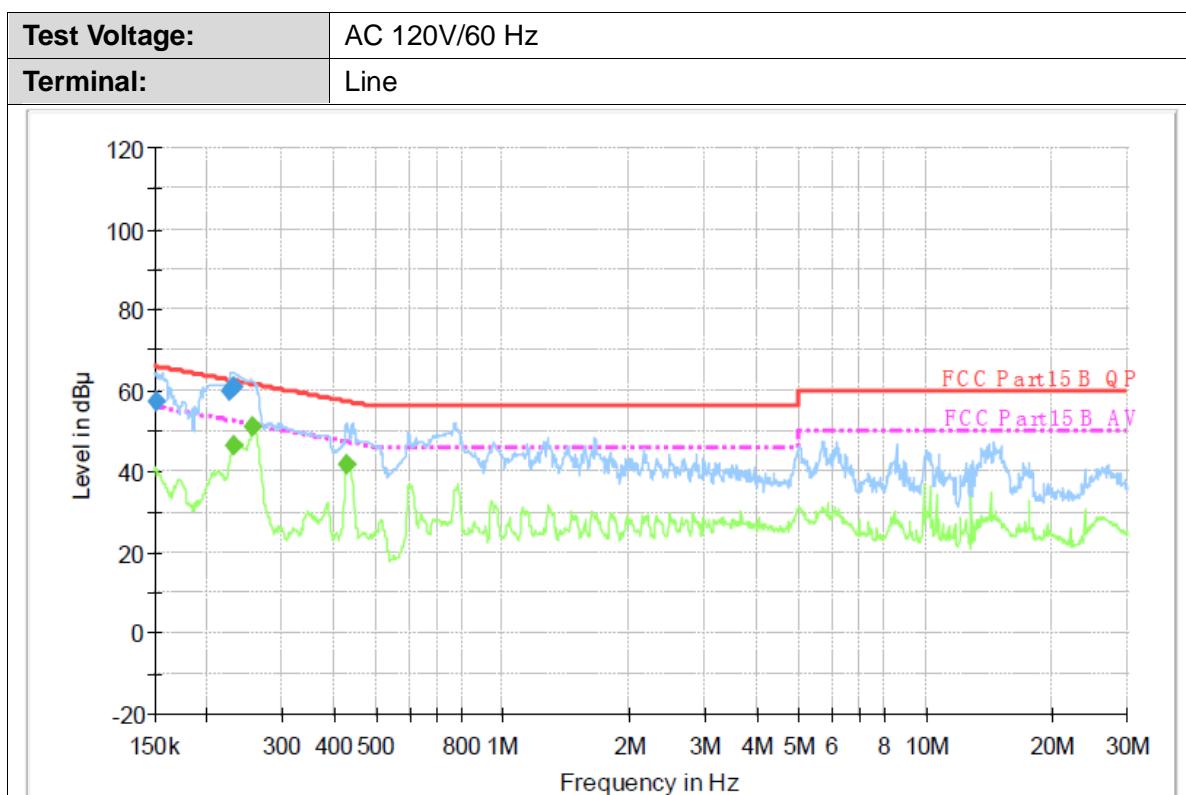


Test Procedure

1. The EUT was setup according to ANSI C63.10:2013 requirements.
2. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface.
3. The EUT and simulators are connected to the main power through a line impedances stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment.
The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs)
4. Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.
5. The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
6. Conducted Emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.
7. During the above scans, the emissions were maximized by cable manipulation.

Test Mode

Please refer to the clause 2.4.

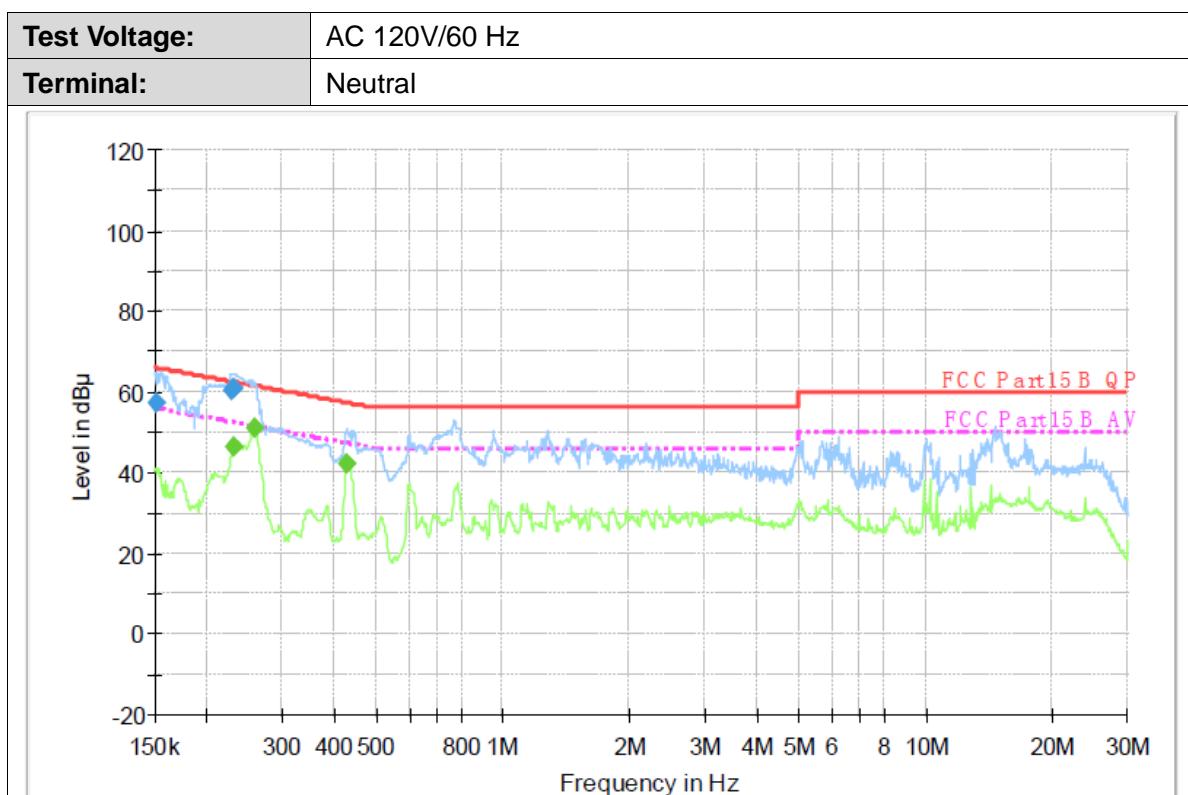
**Test Results****Final Measurement Detector 1**

Frequency (MHz)	QuasiPeak (dB μ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)	Comment
0.151200	57.4	1000.00	9.000	On	L1	9.7	8.5	65.9	
0.227190	59.7	1000.00	9.000	On	L1	9.7	2.9	62.6	
0.231770	60.7	1000.00	9.000	On	L1	9.7	1.7	62.4	

Final Measurement Detector 2

Frequency (MHz)	Average (dB μ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)	Comment
0.230850	46.5	1000.00	9.000	On	L1	9.7	5.9	52.4	
0.257120	51.0	1000.00	9.000	On	L1	9.7	0.5	51.5	
0.430320	41.5	1000.00	9.000	On	L1	9.7	5.7	47.2	

Emission Level= Read Level+ Correct Factor



Final Measurement Detector 1

Frequency (MHz)	QuasiPeak (dB μ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)	Comment
0.151810	57.2	1000.00	9.000	On	N	10.0	8.7	65.9	
0.228100	60.6	1000.00	9.000	On	N	10.0	1.9	62.5	
0.231770	60.9	1000.00	9.000	On	N	10.0	1.5	62.4	

Final Measurement Detector 2

Frequency (MHz)	Average (dB μ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)	Comment
0.230850	46.6	1000.00	9.000	On	N	10.0	5.8	52.4	
0.258150	51.1	1000.00	9.000	On	N	10.0	0.4	51.5	
0.428610	42.0	1000.00	9.000	On	N	10.0	5.3	47.3	

Emission Level= Read Level+ Correct Factor



3.2. Radiated Emission

Limit

FCC CFR Title 47 Part 15 Subpart C Section 15.209/ RSS-Gen 8.9

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
960~1000	500	3

Frequency (MHz)	dB(uV/m) (at 3 meters)	
	Peak	Average
Above 1000	74	54

Note:

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

Limits of unwanted emission out of the restricted bands

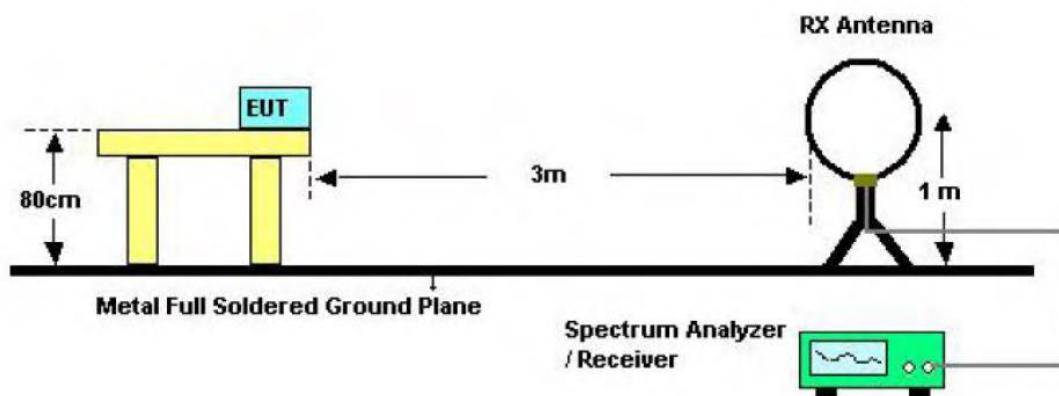
FCC CFR Title 47 Part 15 Subpart C Section 15.407(b)/ RSS-247 6.2.1.2 & RSS-247 6.2.4.2

Frequency (MHz)	EIRP Limits (dBm)	Equivalent Field Strength at 3m (dBuV/m)
5150~5250	-27	68.2
5250~5350	-27	68.2
5470~5725	-27	68.2
5725~5825	-27(Note 2)	68.2
	10(Note 2)	105.2
	15.6(Note 2)	110.8
	27(Note 2)	122.2

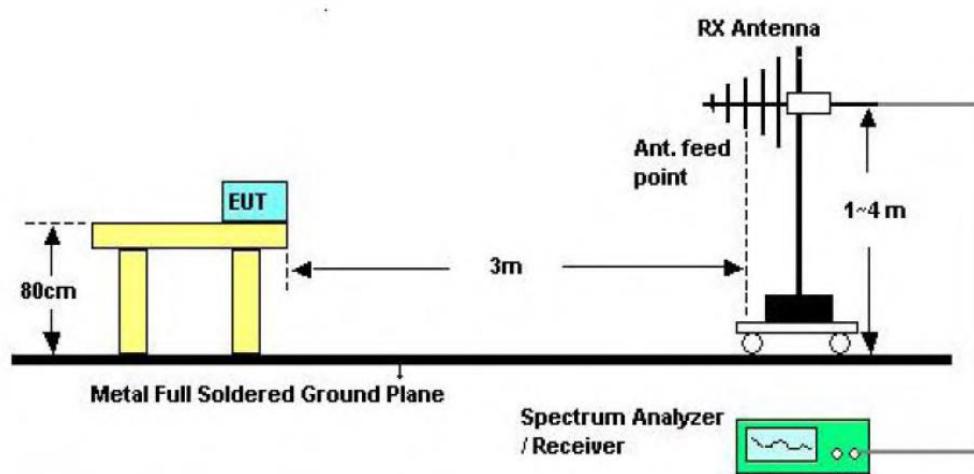
Note: 1. The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength: $E = \frac{1000000\sqrt{30P}}{3}$ uV/m, where P is the eirp (Watts)

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.

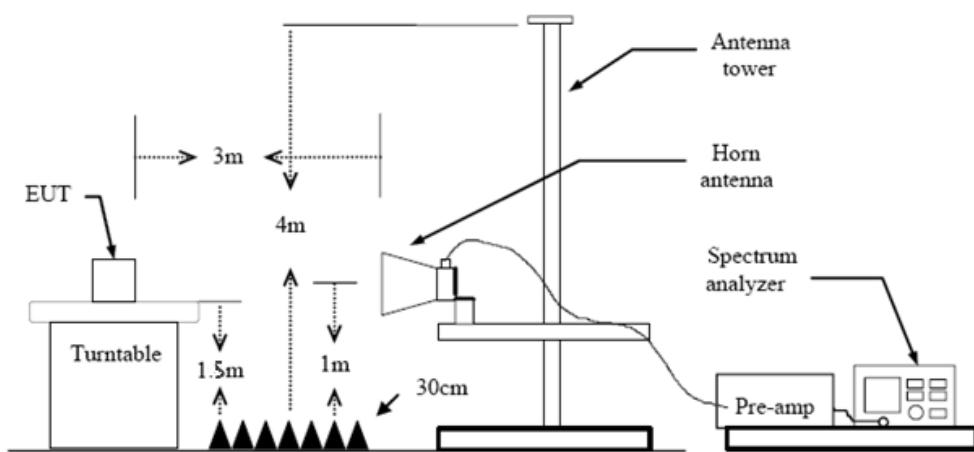
Test Configuration



Below 30MHz Test Setup



Below 1000MHz Test Setup



Above 1GHz Test Setup

Test Procedure

1. The EUT was setup and tested according to ANSI C63.10:2013
2. The EUT is placed on a turn table which is 0.8 meter above ground for below 1 GHz, and 1.5 m for above 1 GHz. The turn table is rotated 360 degrees to determine the position of the maximum emission level.

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1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China
Tel.: (86)755-27521059

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3. The EUT was set 3 meters from the receiving antenna, which was mounted on the top of a variable height antenna tower.
 4. For each suspected emission, the EUT was arranged to its worst case and then tune the Antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.
 5. Set to the maximum power setting and enable the EUT transmit continuously.
 6. Use the following spectrum analyzer settings
 - (1) Span shall wide enough to fully capture the emission being measured;
 - (2) Below 1 GHz:
RBW=120 kHz, VBW=300 kHz, Sweep=auto, Detector function=peak, Trace=max hold;
If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.
 - (3) From 1 GHz to 10th harmonic:
RBW=1MHz, VBW=3MHz Peak detector for Peak value.
RBW=1MHz, VBW \geq 1/T Peak detector for Average value.
- Note 1: For the 1/T& Duty Cycle please refer to clause Duty Cycle.

Test Mode

Please refer to the clause 2.4.

Test Result

9 KHz~30 MHz

From 9 KHz to 30 MHz: Conclusion: PASS

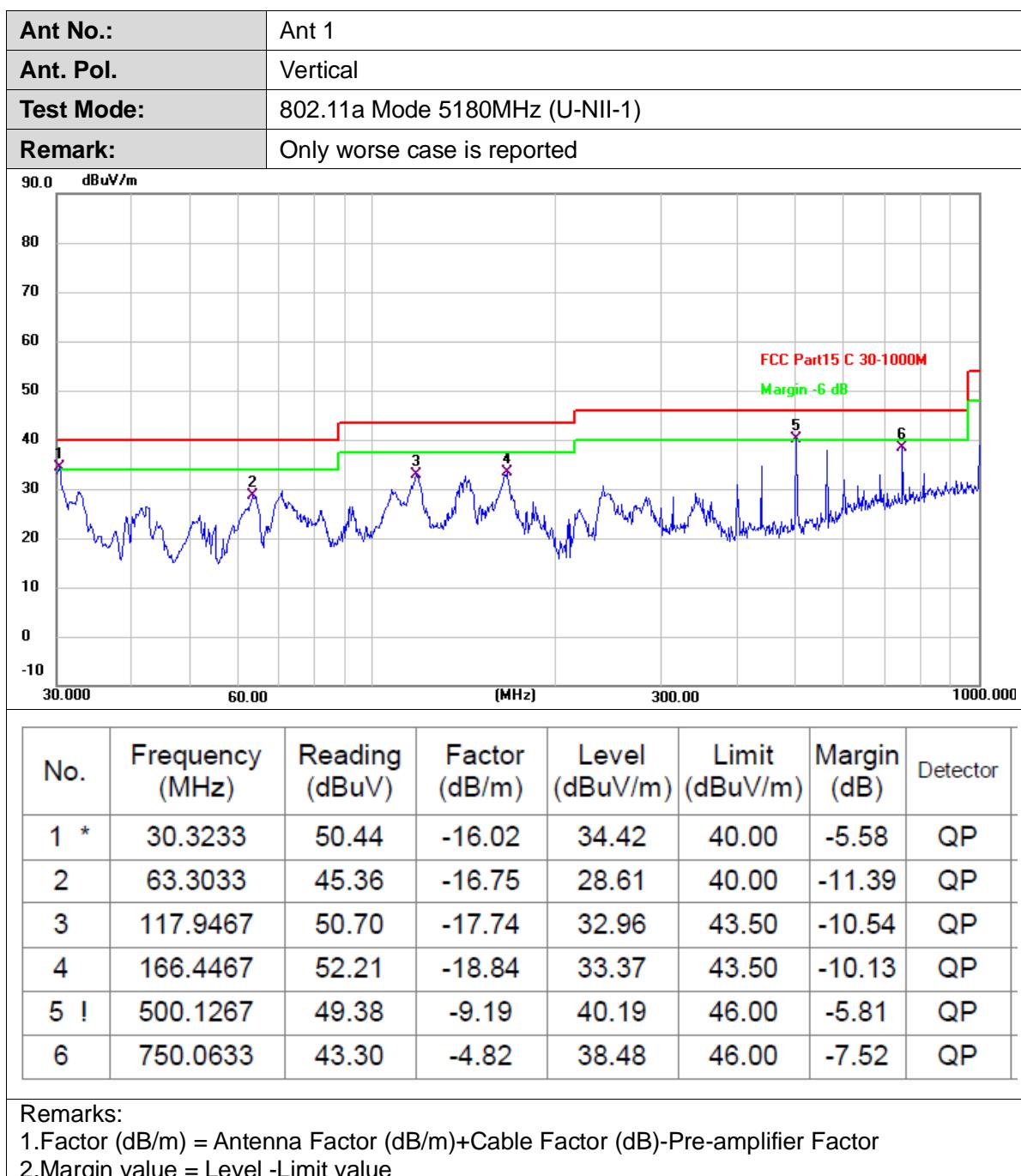
Note: The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Pre-scan all antenna, only show the test data for worse case antenna on the test report.



30MHz-1GHz

Ant No.:	Ant 1						
Ant. Pol.	Horizontal						
Test Mode:	802.11a Mode 5180MHz (U-NII-1)						
Remark:	Only worse case is reported						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	174.5300	54.65	-18.36	36.29	43.50	-7.21	QP
2 !	183.5833	56.41	-17.69	38.72	43.50	-4.78	QP
3	500.1267	48.99	-9.19	39.80	46.00	-6.20	QP
4 !	631.4000	48.09	-6.33	41.76	46.00	-4.24	QP
5 !	687.6599	47.72	-5.68	42.04	46.00	-3.96	QP
6 *	750.0633	47.49	-4.82	42.67	46.00	-3.33	QP
Remarks: 1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2. Margin value = Level -Limit value							





Above 1GHz

Ant No.:	Ant 1						
Ant. Pol.:	Horizontal						
Test Mode:	TX 802.11a Mode 5180MHz (U-NII-1)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	10359.713	37.02	13.60	50.62	54.00	-3.38	AVG
2	10360.487	49.80	13.59	63.39	74.00	-10.61	peak

Note: The chart shows Limits 74dBuV for Peak, 54dBuV for AVG, but Unwanted Emissions that fall Outside of the Restricted Bands is 68.2dBuV for Peak. No limit for AVG. All test results are in t compliance with the limits. After calculation, the Peak measurement value meets the limit requirements.

Remarks:

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value

Ant No.:	Ant 1						
Ant. Pol.:	Vertical						
Test Mode:	TX 802.11a Mode 5180MHz (U-NII-1)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	10359.437	29.98	13.60	43.58	54.00	-10.42	AVG
2	10360.844	44.35	13.60	57.95	74.00	-16.05	peak

Note: The chart shows Limits 74dBuV for Peak, 54dBuV for AVG, but Unwanted Emissions that fall Outside of the Restricted Bands is 68.2dBuV for Peak. No limit for AVG. All test results are in t compliance with the limits. After calculation, the Peak measurement value meets the limit requirements.

Remarks:

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value



Ant No.:	Ant 1
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11a Mode 5200MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1 *	10399.535	36.87	13.67	50.54	54.00	-3.46
2	10399.769	49.38	13.67	63.05	74.00	-10.95

Note: The chart shows Limits 74dBuV for Peak, 54dBuV for AVG, but Unwanted Emissions that fall Outside of the Restricted Bands is 68.2dBuV for Peak. No limit for AVG. All test results are in t compliance with the limits. After calculation, the Peak measurement value meets the limit requirements.

Remarks:

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value

Ant No.:	Ant 1
Ant. Pol.:	Vertical
Test Mode:	TX 802.11a Mode 5200MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	10399.199	29.39	13.67	43.06	54.00	-10.94	AVG
2	10400.873	43.76	13.67	57.43	74.00	-16.57	peak

Note: The chart shows Limits 74dBuV for Peak, 54dBuV for AVG, but Unwanted Emissions that fall Outside of the Restricted Bands is 68.2dBuV for Peak. No limit for AVG. All test results are in t compliance with the limits. After calculation, the Peak measurement value meets the limit requirements.

Remarks:

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value



Ant No.:	Ant 1
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11a Mode 5240MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	10479.587	45.93	13.80	59.73	74.00	-14.27	peak
2 *	10480.018	32.72	13.80	46.52	54.00	-7.48	AVG

Note: The chart shows Limits 74dBuV for Peak, 54dBuV for AVG, but Unwanted Emissions that fall Outside of the Restricted Bands is 68.2dBuV for Peak. No limit for AVG. All test results are in t compliance with the limits. After calculation, the Peak measurement value meets the limit requirements.

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant No.:	Ant 1
Ant. Pol.:	Vertical
Test Mode:	TX 802.11a Mode 5240MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	10479.647	24.77	13.80	38.57	54.00	-15.43	AVG
2	10480.882	39.60	13.80	53.40	74.00	-20.60	peak

Note: The chart shows Limits 74dBuV for Peak, 54dBuV for AVG, but Unwanted Emissions that fall Outside of the Restricted Bands is 68.2dBuV for Peak. No limit for AVG. All test results are in t compliance with the limits. After calculation, the Peak measurement value meets the limit requirements.

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value



Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Horizontal						
Test Mode:	TX 802.11n(HT20) Mode 5180MHz (U-NII-1)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	10359.530	47.69	13.60	61.29	74.00	-12.71	peak
2 *	10359.775	36.22	13.60	49.82	54.00	-4.18	AVG

Note: The chart shows Limits 74dBuV for Peak, 54dBuV for AVG, but Unwanted Emissions that fall Outside of the Restricted Bands is 68.2dBuV for Peak. No limit for AVG. All test results are in t compliance with the limits. After calculation, the Peak measurement value meets the limit requirements.

Remarks:

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value

Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Vertical						
Test Mode:	TX 802.11n(HT20) Mode 5180MHz (U-NII-1)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	10359.839	31.12	13.60	44.72	54.00	-9.28	AVG
2	10360.069	44.68	13.60	58.28	74.00	-15.72	peak

Note: The chart shows Limits 74dBuV for Peak, 54dBuV for AVG, but Unwanted Emissions that fall Outside of the Restricted Bands is 68.2dBuV for Peak. No limit for AVG. All test results are in t compliance with the limits. After calculation, the Peak measurement value meets the limit requirements.

Remarks:

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value



Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Horizontal						
Test Mode:	TX 802.11n(HT20) Mode 5200MHz (U-NII-1)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	10399.362	48.52	13.67	62.19	74.00	-11.81	peak
2 *	10399.529	36.42	13.67	50.09	54.00	-3.91	AVG

Note: The chart shows Limits 74dBuV for Peak, 54dBuV for AVG, but Unwanted Emissions that fall Outside of the Restricted Bands is 68.2dBuV for Peak. No limit for AVG. All test results are in t compliance with the limits. After calculation, the Peak measurement value meets the limit requirements.

Remarks:

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value

Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Vertical						
Test Mode:	TX 802.11n(HT20) Mode 5200MHz (U-NII-1)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	10399.899	29.68	13.67	43.35	54.00	-10.65	AVG
2	10400.040	44.15	13.67	57.82	74.00	-16.18	peak

Note: The chart shows Limits 74dBuV for Peak, 54dBuV for AVG, but Unwanted Emissions that fall Outside of the Restricted Bands is 68.2dBuV for Peak. No limit for AVG. All test results are in t compliance with the limits. After calculation, the Peak measurement value meets the limit requirements.

Remarks:

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value



Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Horizontal						
Test Mode:	TX 802.11n(HT20) Mode 5240MHz (U-NII-1)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	10479.694	46.52	13.80	60.32	74.00	-13.68	peak
2 *	10479.721	34.23	13.80	48.03	54.00	-5.97	AVG

Note: The chart shows Limits 74dBuV for Peak, 54dBuV for AVG, but Unwanted Emissions that fall Outside of the Restricted Bands is 68.2dBuV for Peak. No limit for AVG. All test results are in t compliance with the limits. After calculation, the Peak measurement value meets the limit requirements.

Remarks:

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value

Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Vertical						
Test Mode:	TX 802.11n(HT20) Mode 5240MHz (U-NII-1)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	10479.638	45.11	13.80	58.91	74.00	-15.09	peak
2 *	10479.874	30.87	13.80	44.67	54.00	-9.33	AVG

Note: The chart shows Limits 74dBuV for Peak, 54dBuV for AVG, but Unwanted Emissions that fall Outside of the Restricted Bands is 68.2dBuV for Peak. No limit for AVG. All test results are in t compliance with the limits. After calculation, the Peak measurement value meets the limit requirements.

Remarks:

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value



Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Horizontal						
Test Mode:	TX 802.11ac(VHT20) Mode 5180MHz (U-NII-1)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	10359.991	37.22	13.60	50.82	54.00	-3.18	AVG
2	10360.610	51.14	13.59	64.73	74.00	-9.27	peak

Note: The chart shows Limits 74dBuV for Peak, 54dBuV for AVG, but Unwanted Emissions that fall Outside of the Restricted Bands is 68.2dBuV for Peak. No limit for AVG. All test results are in t compliance with the limits. After calculation, the Peak measurement value meets the limit requirements.

Remarks:

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value

Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Vertical						
Test Mode:	TX 802.11ac(VHT20) Mode 5180MHz (U-NII-1)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	10359.902	35.98	13.60	49.58	54.00	-4.42	AVG
2	10360.389	49.40	13.59	62.99	74.00	-11.01	peak

Note: The chart shows Limits 74dBuV for Peak, 54dBuV for AVG, but Unwanted Emissions that fall Outside of the Restricted Bands is 68.2dBuV for Peak. No limit for AVG. All test results are in t compliance with the limits. After calculation, the Peak measurement value meets the limit requirements.

Remarks:

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value



Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Horizontal						
Test Mode:	TX 802.11ac(VHT20) Mode 5200MHz (U-NII-1)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	10400.106	36.17	13.67	49.84	54.00	-4.16	AVG
2	10400.349	49.67	13.67	63.34	74.00	-10.66	peak

Note: The chart shows Limits 74dBuV for Peak, 54dBuV for AVG, but Unwanted Emissions that fall Outside of the Restricted Bands is 68.2dBuV for Peak. No limit for AVG. All test results are in t compliance with the limits. After calculation, the Peak measurement value meets the limit requirements.

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Vertical						
Test Mode:	TX 802.11ac(VHT20) Mode 5200MHz (U-NII-1)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	10399.534	31.54	13.67	45.21	54.00	-8.79	AVG
2	10400.580	44.40	13.67	58.07	74.00	-15.93	peak

Note: The chart shows Limits 74dBuV for Peak, 54dBuV for AVG, but Unwanted Emissions that fall Outside of the Restricted Bands is 68.2dBuV for Peak. No limit for AVG. All test results are in t compliance with the limits. After calculation, the Peak measurement value meets the limit requirements.

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value



Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Horizontal						
Test Mode:	TX 802.11ac(VHT20) Mode 5240MHz (U-NII-1)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	10479.353	34.21	13.80	48.01	54.00	-5.99	AVG
2	10480.357	47.89	13.80	61.69	74.00	-12.31	peak

Note: The chart shows Limits 74dBuV for Peak, 54dBuV for AVG, but Unwanted Emissions that fall Outside of the Restricted Bands is 68.2dBuV for Peak. No limit for AVG. All test results are in t compliance with the limits. After calculation, the Peak measurement value meets the limit requirements.

Remarks:

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value

Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Vertical						
Test Mode:	TX 802.11ac(VHT20) Mode 5240MHz (U-NII-1)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	10479.649	44.57	13.80	58.37	74.00	-15.63	peak
2 *	10480.006	31.15	13.80	44.95	54.00	-9.05	AVG

Note: The chart shows Limits 74dBuV for Peak, 54dBuV for AVG, but Unwanted Emissions that fall Outside of the Restricted Bands is 68.2dBuV for Peak. No limit for AVG. All test results are in t compliance with the limits. After calculation, the Peak measurement value meets the limit requirements.

Remarks:

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value



Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Horizontal						
Test Mode:	TX 802.11n(HT40) Mode 5190MHz (U-NII-1)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	10380.238	34.35	13.63	47.98	54.00	-6.02	AVG
2	10380.420	46.41	13.63	60.04	74.00	-13.96	peak

Note: The chart shows Limits 74dBuV for Peak, 54dBuV for AVG, but Unwanted Emissions that fall Outside of the Restricted Bands is 68.2dBuV for Peak. No limit for AVG. All test results are in t compliance with the limits. After calculation, the Peak measurement value meets the limit requirements.

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Vertical						
Test Mode:	TX 802.11n(HT40) Mode 5190MHz (U-NII-1)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	10379.536	44.37	13.63	58.00	74.00	-16.00	peak
2 *	10380.075	31.53	13.63	45.16	54.00	-8.84	AVG

Note: The chart shows Limits 74dBuV for Peak, 54dBuV for AVG, but Unwanted Emissions that fall Outside of the Restricted Bands is 68.2dBuV for Peak. No limit for AVG. All test results are in t compliance with the limits. After calculation, the Peak measurement value meets the limit requirements.

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value



Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Horizontal						
Test Mode:	TX 802.11n(HT40) Mode 5230MHz (U-NII-1)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	10459.880	45.45	13.77	59.22	74.00	-14.78	peak
2 *	10460.031	32.58	13.77	46.35	54.00	-7.65	AVG

Note: The chart shows Limits 74dBuV for Peak, 54dBuV for AVG, but Unwanted Emissions that fall Outside of the Restricted Bands is 68.2dBuV for Peak. No limit for AVG. All test results are in t compliance with the limits. After calculation, the Peak measurement value meets the limit requirements.

Remarks:

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value

Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Vertical						
Test Mode:	TX 802.11n(HT40) Mode 5230MHz (U-NII-1)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	10459.637	42.77	13.77	56.54	74.00	-17.46	peak
2 *	10460.319	29.37	13.77	43.14	54.00	-10.86	AVG

Note: The chart shows Limits 74dBuV for Peak, 54dBuV for AVG, but Unwanted Emissions that fall Outside of the Restricted Bands is 68.2dBuV for Peak. No limit for AVG. All test results are in t compliance with the limits. After calculation, the Peak measurement value meets the limit requirements.

Remarks:

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value



Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Horizontal						
Test Mode:	TX 802.11ac(VHT40) Mode 5190MHz (U-NII-1)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	10379.896	47.00	13.63	60.63	74.00	-13.37	peak
2 *	10379.974	34.17	13.63	47.80	54.00	-6.20	AVG

Note: The chart shows Limits 74dBuV for Peak, 54dBuV for AVG, but Unwanted Emissions that fall Outside of the Restricted Bands is 68.2dBuV for Peak. No limit for AVG. All test results are in t compliance with the limits. After calculation, the Peak measurement value meets the limit requirements.

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Vertical						
Test Mode:	TX 802.11ac(VHT40) Mode 5190MHz (U-NII-1)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	10379.635	27.40	13.63	41.03	54.00	-12.97	AVG
2	10379.721	39.40	13.63	53.03	74.00	-20.97	peak

Note: The chart shows Limits 74dBuV for Peak, 54dBuV for AVG, but Unwanted Emissions that fall Outside of the Restricted Bands is 68.2dBuV for Peak. No limit for AVG. All test results are in t compliance with the limits. After calculation, the Peak measurement value meets the limit requirements.

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value



Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Horizontal						
Test Mode:	TX 802.11ac(VHT40) Mode 5230MHz (U-NII-1)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	10459.850	46.27	13.77	60.04	74.00	-13.96	peak
2 *	10460.001	32.92	13.77	46.69	54.00	-7.31	AVG

Note: The chart shows Limits 74dBuV for Peak, 54dBuV for AVG, but Unwanted Emissions that fall Outside of the Restricted Bands is 68.2dBuV for Peak. No limit for AVG. All test results are in t compliance with the limits. After calculation, the Peak measurement value meets the limit requirements.

Remarks:

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value

Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Vertical						
Test Mode:	TX 802.11ac(VHT40) Mode 5230MHz (U-NII-1)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	10459.699	43.68	13.77	57.45	74.00	-16.55	peak
2 *	10460.065	29.33	13.77	43.10	54.00	-10.90	AVG

Note: The chart shows Limits 74dBuV for Peak, 54dBuV for AVG, but Unwanted Emissions that fall Outside of the Restricted Bands is 68.2dBuV for Peak. No limit for AVG. All test results are in t compliance with the limits. After calculation, the Peak measurement value meets the limit requirements.

Remarks:

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value



Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Horizontal						
Test Mode:	TX 802.11ac(VHT80) Mode 5210MHz (U-NII-1)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	10419.037	42.36	13.70	56.06	74.00	-17.94	peak
2 *	10419.912	29.55	13.70	43.25	54.00	-10.75	AVG

Note: The chart shows Limits 74dBuV for Peak, 54dBuV for AVG, but Unwanted Emissions that fall Outside of the Restricted Bands is 68.2dBuV for Peak. No limit for AVG. All test results are in t compliance with the limits. After calculation, the Peak measurement value meets the limit requirements.

Remarks:

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value

Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Vertical						
Test Mode:	TX 802.11ac(VHT80) Mode 5210MHz (U-NII-1)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	10420.245	26.05	13.70	39.75	54.00	-14.25	AVG
2	10420.288	40.73	13.70	54.43	74.00	-19.57	peak

Note: The chart shows Limits 74dBuV for Peak, 54dBuV for AVG, but Unwanted Emissions that fall Outside of the Restricted Bands is 68.2dBuV for Peak. No limit for AVG. All test results are in t compliance with the limits. After calculation, the Peak measurement value meets the limit requirements.

Remarks:

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value



Ant No.:	Ant 1						
Ant. Pol.:	Horizontal						
Test Mode:	TX 802.11a Mode 5745MHz (U-NII-3)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	11489.661	32.75	15.00	47.75	54.00	-6.25	AVG
2	11489.675	46.48	15.00	61.48	74.00	-12.52	peak

Remarks:

1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2. Margin value = Level -Limit value

Ant No.:	Ant 1						
Ant. Pol.:	Vertical						
Test Mode:	TX 802.11a Mode 5745MHz (U-NII-3)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	11489.449	27.84	15.00	42.84	54.00	-11.16	AVG
2	11490.921	42.22	15.01	57.23	74.00	-16.77	peak

Remarks:

1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2. Margin value = Level -Limit value



Ant No.:	Ant 1						
Ant. Pol.:	Horizontal						
Test Mode:	TX 802.11a Mode 5785MHz (U-NII-3)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	11569.839	28.84	15.06	43.90	54.00	-10.10	AVG
2	11570.361	42.90	15.07	57.97	74.00	-16.03	peak

Ant No.:	Ant 1						
Ant. Pol.:	Vertical						
Test Mode:	TX 802.11a Mode 5785MHz (U-NII-3)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	11570.020	40.52	15.07	55.59	74.00	-18.41	peak
2 *	11570.193	25.30	15.07	40.37	54.00	-13.63	AVG

Remarks:

- 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- 2.Margin value = Level -Limit value



Ant No.:	Ant 1						
Ant. Pol.:	Horizontal						
Test Mode:	TX 802.11a Mode 5825MHz (U-NII-3)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	11649.902	23.74	15.13	38.87	54.00	-15.13	AVG
2	11650.032	38.82	15.13	53.95	74.00	-20.05	peak

Ant No.:	Ant 1						
Ant. Pol.:	Vertical						
Test Mode:	TX 802.11a Mode 5825MHz (U-NII-3)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	11650.107	25.19	15.14	40.33	54.00	-13.67	AVG
2	11650.160	39.01	15.14	54.15	74.00	-19.85	peak



Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Horizontal						
Test Mode:	TX 802.11n(HT20) Mode 5745MHz (U-NII-3)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	11490.265	28.86	15.01	43.87	54.00	-10.13	AVG
2	11490.579	42.85	15.01	57.86	74.00	-16.14	peak

Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Vertical						
Test Mode:	TX 802.11n(HT20) Mode 5745MHz (U-NII-3)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	11489.955	40.79	15.00	55.79	74.00	-18.21	peak
2 *	11489.988	26.68	15.00	41.68	54.00	-12.32	AVG

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value



Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Horizontal						
Test Mode:	TX 802.11n(HT20) Mode 5785MHz (U-NII-3)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	11569.168	40.53	15.06	55.59	74.00	-18.41	peak
2 *	11569.817	25.74	15.06	40.80	54.00	-13.20	AVG

Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Vertical						
Test Mode:	TX 802.11n(HT20) Mode 5785MHz (U-NII-3)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	11570.213	40.08	15.07	55.15	74.00	-18.85	peak
2 *	11570.435	26.38	15.07	41.45	54.00	-12.55	AVG

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value



Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Horizontal						
Test Mode:	TX 802.11n(HT20) Mode 5825MHz (U-NII-3)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	11650.095	24.89	15.14	40.03	54.00	-13.97	AVG
2	11650.421	38.75	15.14	53.89	74.00	-20.11	peak

Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Vertical						
Test Mode:	TX 802.11n(HT20) Mode 5825MHz (U-NII-3)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	11649.676	26.18	15.13	41.31	54.00	-12.69	AVG
2	11649.802	39.73	15.13	54.86	74.00	-19.14	peak

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value



Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Horizontal						
Test Mode:	TX 802.11ac(VHT20) Mode 5745MHz (U-NII-3)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	11490.195	28.46	15.01	43.47	54.00	-10.53	AVG
2	11490.752	44.34	15.01	59.35	74.00	-14.65	peak

Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Vertical						
Test Mode:	TX 802.11ac(VHT20) Mode 5745MHz (U-NII-3)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	11490.270	26.22	15.01	41.23	54.00	-12.77	AVG
2	11490.275	42.45	15.01	57.46	74.00	-16.54	peak

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value



Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Horizontal						
Test Mode:	TX 802.11ac(VHT20) Mode 5785MHz (U-NII-3)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	11569.073	42.22	15.06	57.28	74.00	-16.72	peak
2 *	11570.013	27.01	15.07	42.08	54.00	-11.92	AVG

Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Vertical						
Test Mode:	TX 802.11ac(VHT20) Mode 5785MHz (U-NII-3)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	11570.140	42.10	15.07	57.17	74.00	-16.83	peak
2 *	11570.293	26.29	15.07	41.36	54.00	-12.64	AVG

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value



Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Horizontal						
Test Mode:	TX 802.11ac(VHT20) Mode 5825MHz (U-NII-3)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	11649.718	24.74	15.13	39.87	54.00	-14.13	AVG
2	11650.124	40.13	15.14	55.27	74.00	-18.73	peak

Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Vertical						
Test Mode:	TX 802.11ac(VHT20) Mode 5825MHz (U-NII-3)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	11650.151	26.48	15.14	41.62	54.00	-12.38	AVG
2	11650.275	42.02	15.14	57.16	74.00	-16.84	peak

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value



Ant No.:	Ant 1 + Ant 2													
Ant. Pol.:	Horizontal													
Test Mode:	TX 802.11n(HT40) Mode 5755MHz (U-NII-3)													
Remark:	No report for the emission which more than 20 dB below the prescribed limit.													
Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value														

Ant No.:	Ant 1 + Ant 2													
Ant. Pol.:	Vertical													
Test Mode:	TX 802.11n(HT40) Mode 5755MHz (U-NII-3)													
Remark:	No report for the emission which more than 20 dB below the prescribed limit.													
Remarks: 1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2.Margin value = Level -Limit value														



Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Horizontal						
Test Mode:	TX 802.11n(HT40) Mode 5795MHz (U-NII-3)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	11589.930	24.67	15.08	39.75	54.00	-14.25	AVG
2	11589.937	39.06	15.08	54.14	74.00	-19.86	peak

Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Vertical						
Test Mode:	TX 802.11n(HT40) Mode 5795MHz (U-NII-3)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	11589.553	23.24	15.08	38.32	54.00	-15.68	AVG
2	11590.013	38.57	15.09	53.66	74.00	-20.34	peak

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value



Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Horizontal						
Test Mode:	TX 802.11ac(VHT40) Mode 5755MHz (U-NII-3)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	11509.923	39.08	15.00	54.08	74.00	-19.92	peak
2 *	11509.933	25.52	15.00	40.52	54.00	-13.48	AVG

Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Vertical						
Test Mode:	TX 802.11ac(VHT40) Mode 5755MHz (U-NII-3)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	11509.521	37.80	15.00	52.80	74.00	-21.20	peak
2 *	11509.901	22.43	15.00	37.43	54.00	-16.57	AVG

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value



Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Horizontal						
Test Mode:	TX 802.11ac(VHT40) Mode 5795MHz (U-NII-3)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	11589.450	39.89	15.08	54.97	74.00	-19.03	peak
2 *	11590.051	24.67	15.09	39.76	54.00	-14.24	AVG

Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Vertical						
Test Mode:	TX 802.11ac(VHT40) Mode 5795MHz (U-NII-3)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	11589.829	38.05	15.08	53.13	74.00	-20.87	peak
2 *	11590.098	23.27	15.09	38.36	54.00	-15.64	AVG

Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value



Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Horizontal						
Test Mode:	TX 802.11ac(VHT80) Mode 5775MHz (U-NII-3)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	11549.855	25.04	15.04	40.08	54.00	-13.92	AVG
2	11550.110	39.62	15.05	54.67	74.00	-19.33	peak

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Vertical						
Test Mode:	TX 802.11ac(VHT80) Mode 5775MHz (U-NII-3)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	11549.968	23.33	15.04	38.37	54.00	-15.63	AVG
2	11550.343	38.51	15.05	53.56	74.00	-20.44	peak

Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value

3.3. Band Edge Emissions

Limit

Limits of unwanted emission out of the restricted bands

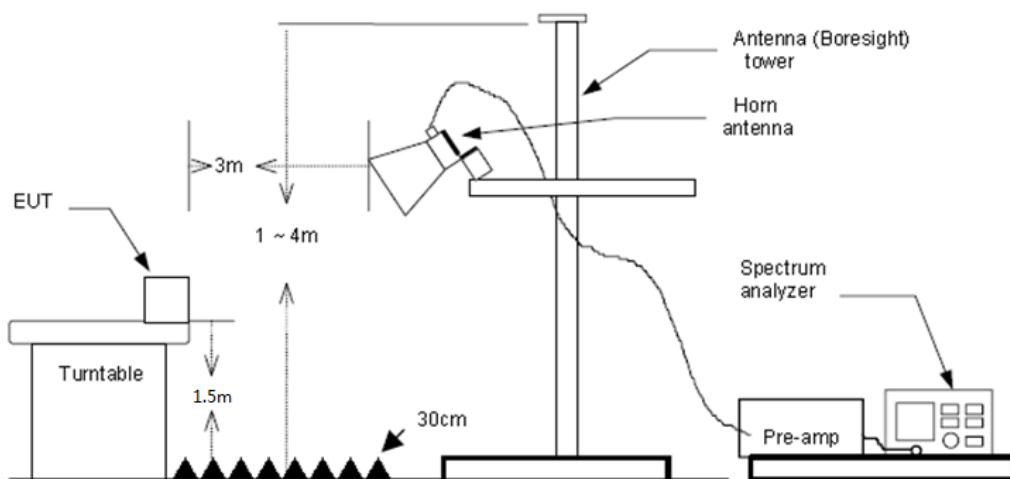
FCC CFR Title 47 Part 15 Subpart C Section 15.407(b)/ RSS-247 6.2.1.2 & RSS-247 6.2.4.2

Frequency (MHz)	EIRP Limits (dBm)	Equivalent Field Strength at 3m (dBuV/m)
5150~5250	-27	68.2
5250~5350	-27	68.2
5470~5725	-27	68.2
5725~5825	-27(Note 2)	68.2
	10(Note 2)	105.2
	15.6(Note 2)	110.8
	27(Note 2)	122.2

Note: 1. The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength: $E = \frac{1000000\sqrt{30P}}{3}$ 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.

Test Configuration



Test Procedure

1. The EUT was setup and tested according to ANSI C63.10:2013 requirements.
2. The EUT is placed on a turn table which is 1.5 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
3. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.
4. The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10:2013 on radiated measurement.



5. The receiver set as follow:

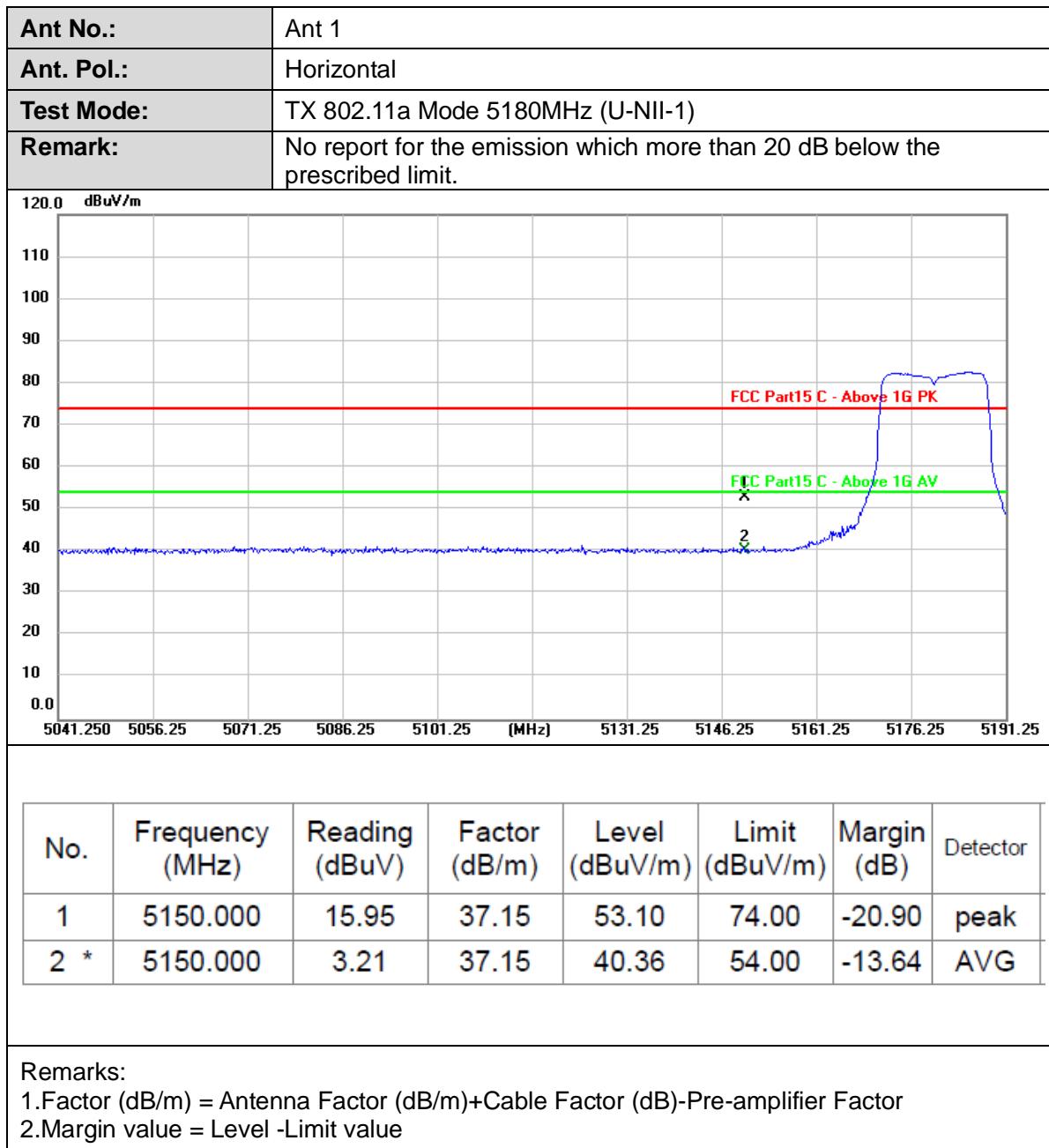
RBW=1MHz, VBW=3MHz PEAK detector for Peak value.

RBW=1MHz, VBW see note 1 with Peak Detector for Average Value.

Note 1: For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector for average measurements. For the Duty Cycle please refer to clause Appendix E: Duty Cycle

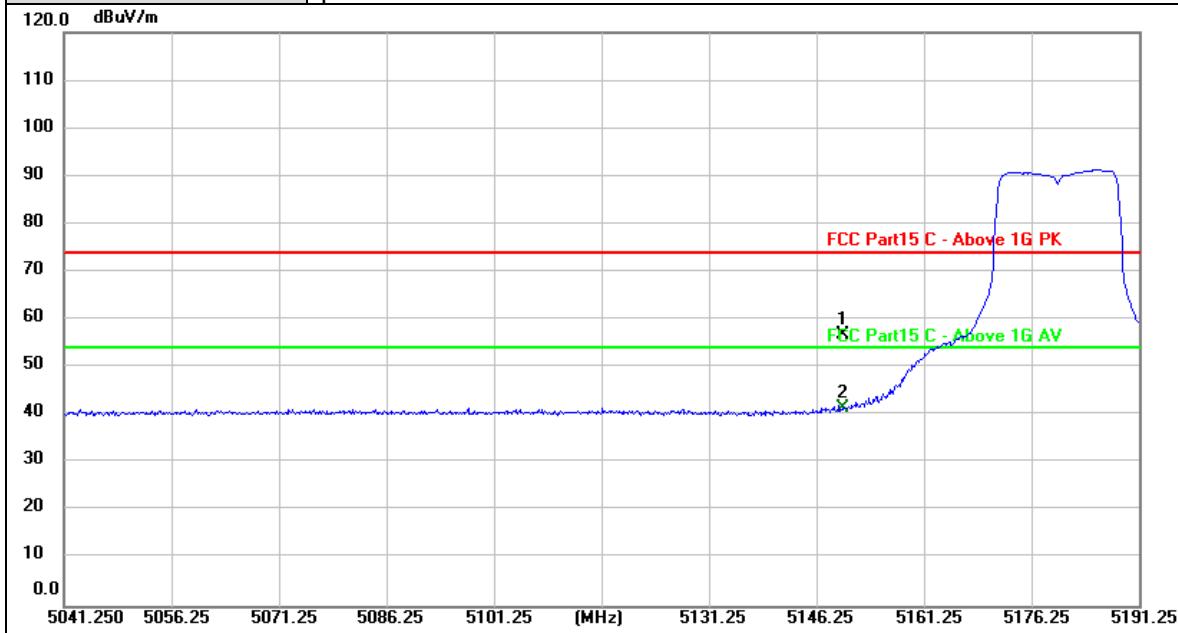
Test Mode

Please refer to the clause 2.4.

Test Results*Pre-scan all antenna, only show the test data for worse case antenna on the test report.*



Ant No.:	Ant 1
Ant. Pol.:	Vertical
Test Mode:	TX 802.11a Mode 5180MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	19.55	37.15	56.70	74.00	-17.30	peak
2 *	5150.000	4.38	37.15	41.53	54.00	-12.47	AVG

Remarks:

1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

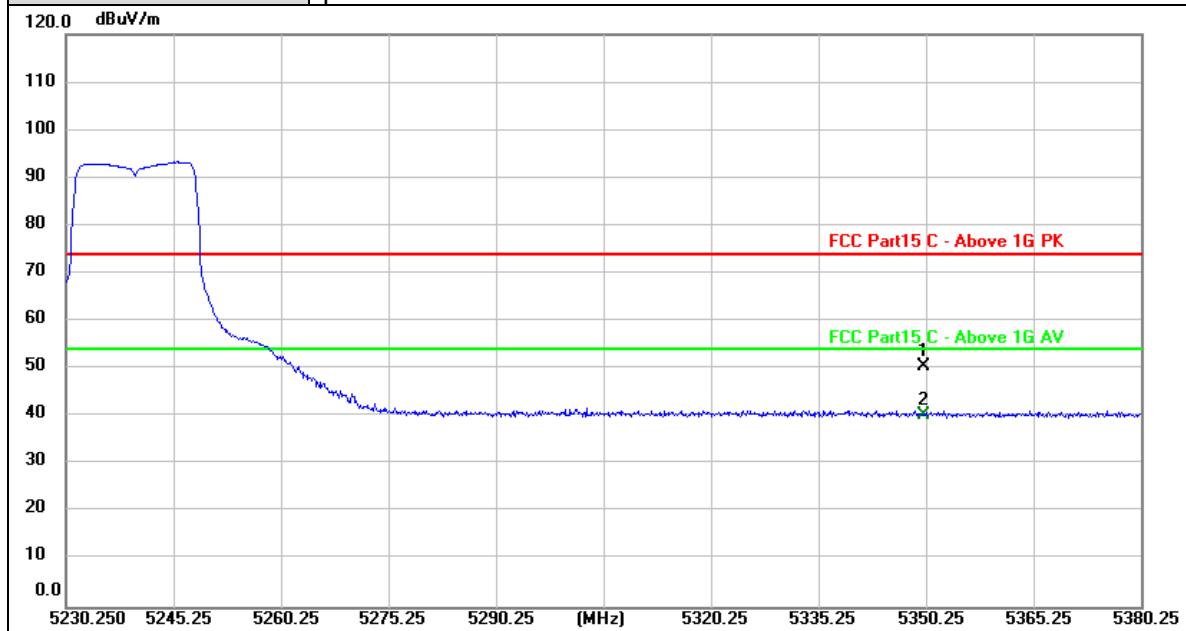
2. Margin value = Level -Limit value



Ant No.:	Ant 1																														
Ant. Pol.:	Horizontal																														
Test Mode:	TX 802.11a Mode 5240MHz (U-NII-1)																														
Remark:	No report for the emission which more than 20 dB below the prescribed limit.																														
<p>120.0 dBuV/m</p> <p>110</p> <p>100</p> <p>90</p> <p>80</p> <p>70</p> <p>60</p> <p>50</p> <p>40</p> <p>30</p> <p>20</p> <p>10</p> <p>0.0</p> <p>FCC Part15 C - Above 1G PK</p> <p>FCC Part15 C - Above 1G AV</p> <p>5229.500 5244.50 5259.50 5274.50 5289.50 (MHz) 5319.50 5334.50 5349.50 5364.50 5379.50</p>																															
<table border="1"><thead><tr><th>No.</th><th>Frequency (MHz)</th><th>Reading (dBuV)</th><th>Factor (dB/m)</th><th>Level (dBuV/m)</th><th>Limit (dBuV/m)</th><th>Margin (dB)</th><th>Detector</th></tr></thead><tbody><tr><td>1</td><td>5350.000</td><td>14.75</td><td>37.41</td><td>52.16</td><td>74.00</td><td>-21.84</td><td>peak</td></tr><tr><td>2 *</td><td>5350.000</td><td>3.40</td><td>37.41</td><td>40.81</td><td>54.00</td><td>-13.19</td><td>AVG</td></tr></tbody></table>								No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	1	5350.000	14.75	37.41	52.16	74.00	-21.84	peak	2 *	5350.000	3.40	37.41	40.81	54.00	-13.19	AVG
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector																								
1	5350.000	14.75	37.41	52.16	74.00	-21.84	peak																								
2 *	5350.000	3.40	37.41	40.81	54.00	-13.19	AVG																								
<p>Remarks:</p> <p>1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor</p> <p>2. Margin value = Level -Limit value</p>																															



Ant No.:	Ant 1
Ant. Pol.:	Vertical
Test Mode:	TX 802.11a Mode 5240MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5350.000	13.24	37.41	50.65	74.00	-23.35	peak
2 *	5350.000	2.91	37.41	40.32	54.00	-13.68	Avg

Remarks:

1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

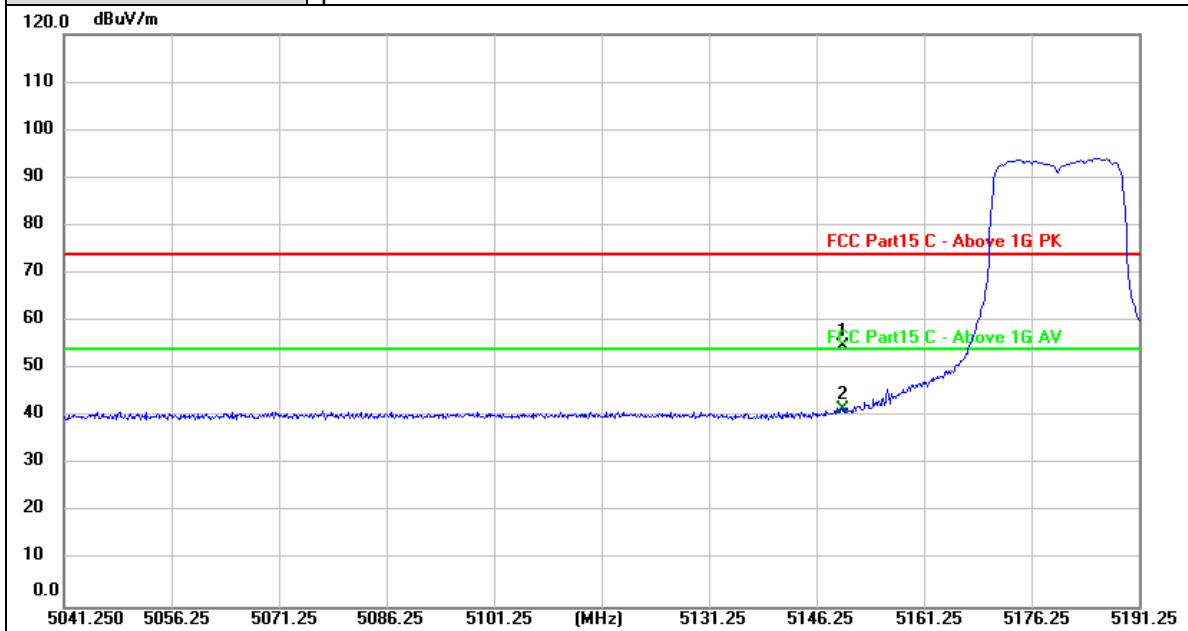
2. Margin value = Level - Limit value



Ant No.:	Ant 1 + Ant 2																														
Ant. Pol.:	Horizontal																														
Test Mode:	TX 802.11n(HT20) Mode 5180MHz (U-NII-1)																														
Remark:	No report for the emission which more than 20 dB below the prescribed limit.																														
<table border="1"><thead><tr><th>No.</th><th>Frequency (MHz)</th><th>Reading (dBuV)</th><th>Factor (dB/m)</th><th>Level (dBuV/m)</th><th>Limit (dBuV/m)</th><th>Margin (dB)</th><th>Detector</th></tr></thead><tbody><tr><td>1</td><td>5150.000</td><td>14.41</td><td>37.15</td><td>51.56</td><td>74.00</td><td>-22.44</td><td>peak</td></tr><tr><td>2 *</td><td>5150.000</td><td>3.27</td><td>37.15</td><td>40.42</td><td>54.00</td><td>-13.58</td><td>AVG</td></tr></tbody></table>								No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	1	5150.000	14.41	37.15	51.56	74.00	-22.44	peak	2 *	5150.000	3.27	37.15	40.42	54.00	-13.58	AVG
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector																								
1	5150.000	14.41	37.15	51.56	74.00	-22.44	peak																								
2 *	5150.000	3.27	37.15	40.42	54.00	-13.58	AVG																								
<p>Remarks:</p> <p>1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor</p> <p>2. Margin value = Level -Limit value</p>																															



Ant No.:	Ant 1 + Ant 2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11n(HT20) Mode 5180MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	17.64	37.15	54.79	74.00	-19.21	peak
2 *	5150.000	4.28	37.15	41.43	54.00	-12.57	Avg

Remarks:

1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

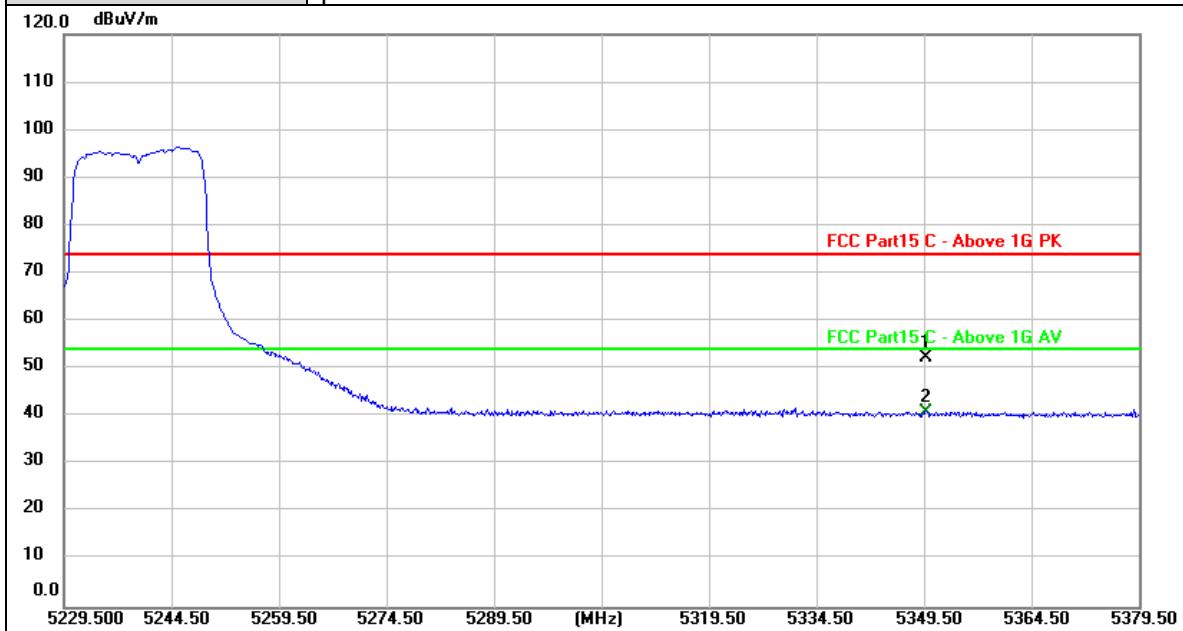
2. Margin value = Level - Limit value



Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Horizontal						
Test Mode:	TX 802.11n(HT20) Mode 5240MHz (U-NII-1)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5350.000	14.01	37.41	51.42	74.00	-22.58	peak
2 *	5350.000	3.42	37.41	40.83	54.00	-13.17	AVG
Remarks: 1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2. Margin value = Level -Limit value							



Ant No.:	Ant 1 + Ant 2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11n(HT20) Mode 5240MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5350.000	15.06	37.41	52.47	74.00	-21.53	peak
2 *	5350.000	3.47	37.41	40.88	54.00	-13.12	Avg

Remarks:

1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

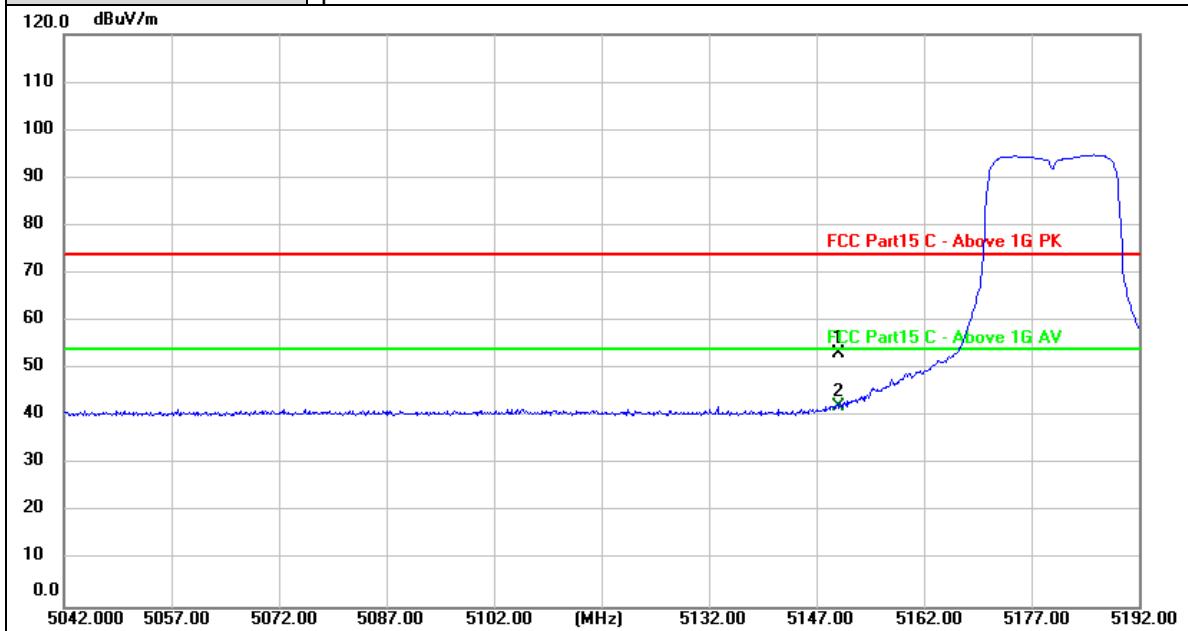
2. Margin value = Level -Limit value



Ant No.:	Ant 1 + Ant 2																														
Ant. Pol.:	Horizontal																														
Test Mode:	TX 802.11ac(VHT20) Mode 5180MHz (U-NII-1)																														
Remark:	No report for the emission which more than 20 dB below the prescribed limit.																														
 Detailed description: This is a line graph representing a spectral measurement. The vertical axis (Y-axis) is labeled 'dBuV/m' and ranges from 0.0 to 120.0 in increments of 10. The horizontal axis (X-axis) is labeled '(MHz)' and ranges from 5041.250 to 5191.25 in increments of 5.5. A solid red horizontal line is drawn at approximately 74 dBuV/m and is labeled 'FCC Part15 C - Above 1G PK'. A solid green horizontal line is drawn at approximately 54 dBuV/m and is labeled 'FCC Part15 C - Above 1G AV'. A blue line represents the measured signal, which remains relatively flat around 40 dBuV/m until approximately 5145 MHz, where it rises sharply to exceed both the red and green limit lines, peaking slightly above 80 dBuV/m before settling back down. There are two small 'X' marks on the blue curve near the peak, and a small '2' mark is placed below the green line at the same frequency point.																															
<table border="1"><thead><tr><th>No.</th><th>Frequency (MHz)</th><th>Reading (dBuV)</th><th>Factor (dB/m)</th><th>Level (dBuV/m)</th><th>Limit (dBuV/m)</th><th>Margin (dB)</th><th>Detector</th></tr></thead><tbody><tr><td>1</td><td>5150.000</td><td>15.55</td><td>37.15</td><td>52.70</td><td>74.00</td><td>-21.30</td><td>peak</td></tr><tr><td>2 *</td><td>5150.000</td><td>4.35</td><td>37.15</td><td>41.50</td><td>54.00</td><td>-12.50</td><td>AVG</td></tr></tbody></table> <p>Remarks: 1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2. Margin value = Level -Limit value</p>								No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	1	5150.000	15.55	37.15	52.70	74.00	-21.30	peak	2 *	5150.000	4.35	37.15	41.50	54.00	-12.50	AVG
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector																								
1	5150.000	15.55	37.15	52.70	74.00	-21.30	peak																								
2 *	5150.000	4.35	37.15	41.50	54.00	-12.50	AVG																								



Ant No.:	Ant 1 + Ant 2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11ac(VHT20) Mode 5180MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	16.23	37.15	53.38	74.00	-20.62	peak
2 *	5150.000	4.91	37.15	42.06	54.00	-11.94	Avg

Remarks:

1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

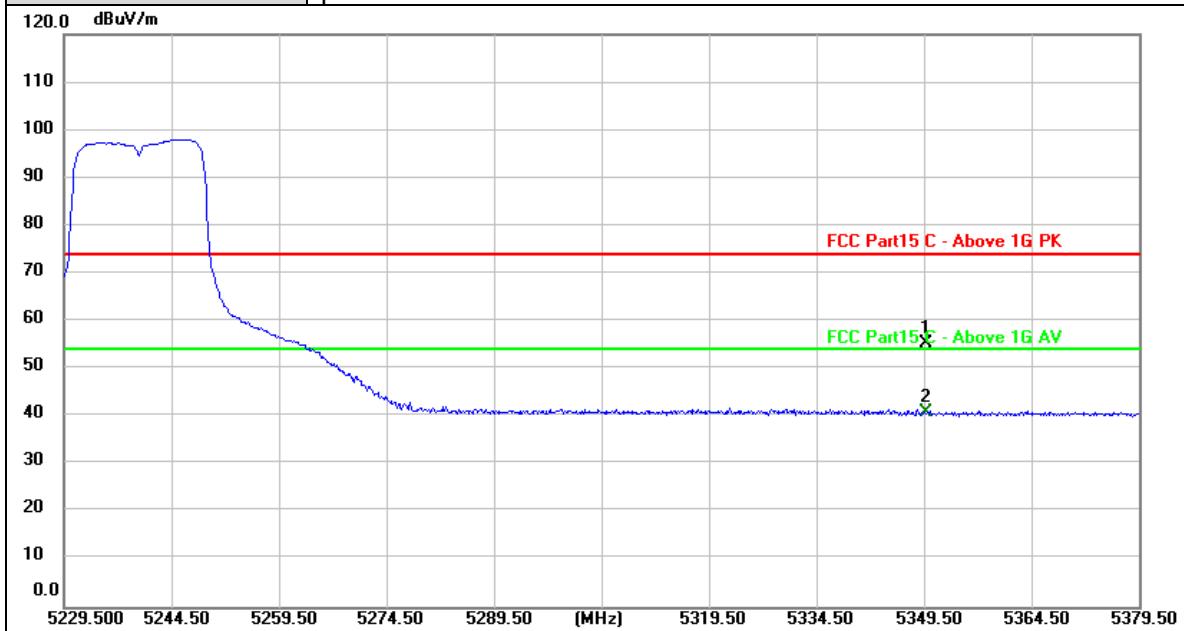
2. Margin value = Level -Limit value



Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Horizontal						
Test Mode:	TX 802.11ac(VHT20) Mode 5240MHz (U-NII-1)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
<p>120.0 dBuV/m</p> <p>110</p> <p>100</p> <p>90</p> <p>80</p> <p>70</p> <p>60</p> <p>50</p> <p>40</p> <p>30</p> <p>20</p> <p>10</p> <p>0.0</p> <p>FCC Part15 C - Above 1G PK</p> <p>FCC Part15 B - Above 1G AV</p> <p>5228.750 5243.75 5258.75 5273.75 5288.75 (MHz) 5318.75 5333.75 5348.75 5363.75 5378.75</p>							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5350.000	15.23	37.41	52.64	74.00	-21.36	peak
2 *	5350.000	5.03	37.41	42.44	54.00	-11.56	AVG
<p>Remarks:</p> <p>1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor</p> <p>2. Margin value = Level -Limit value</p>							



Ant No.:	Ant 1 + Ant 2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11ac(VHT20) Mode 5240MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5350.000	17.80	37.41	55.21	74.00	-18.79	peak
2 *	5350.000	3.49	37.41	40.90	54.00	-13.10	Avg

Remarks:

1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

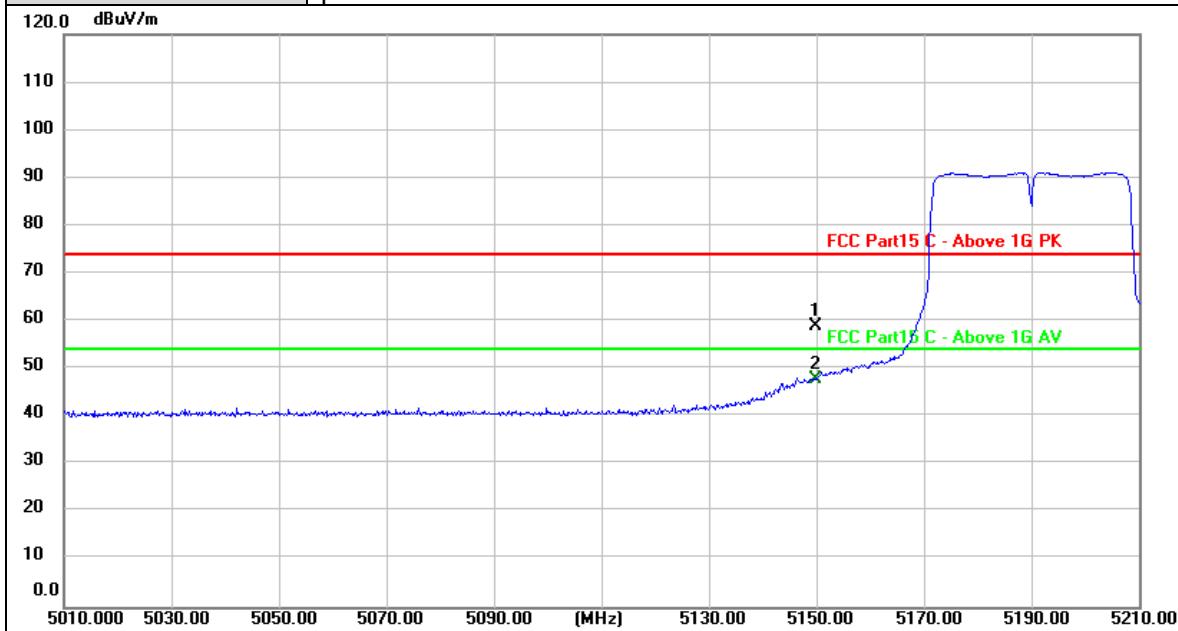
2. Margin value = Level - Limit value



Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Horizontal						
Test Mode:	TX 802.11n(HT40) Mode 5190MHz (U-NII-1)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
<p>120.0 dBuV/m</p> <p>110</p> <p>100</p> <p>90</p> <p>80</p> <p>70</p> <p>60</p> <p>50</p> <p>40</p> <p>30</p> <p>20</p> <p>10</p> <p>0.0</p> <p>5011.000 5031.00 5051.00 5071.00 5091.00 (MHz) 5131.00 5151.00 5171.00 5191.00 5211.00</p> <p>FCC Part15 C - Above 1G PK</p> <p>1 FCC Part15 C - Above 1G AV</p> <p>2</p>							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	16.66	37.15	53.81	74.00	-20.19	peak
2 *	5150.000	4.58	37.15	41.73	54.00	-12.27	AVG
<p>Remarks:</p> <p>1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor</p> <p>2. Margin value = Level -Limit value</p>							



Ant No.:	Ant 1 + Ant 2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11n(HT40) Mode 5190MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	21.78	37.15	58.93	74.00	-15.07	peak
2 *	5150.000	10.59	37.15	47.74	54.00	-6.26	Avg

Remarks:

1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

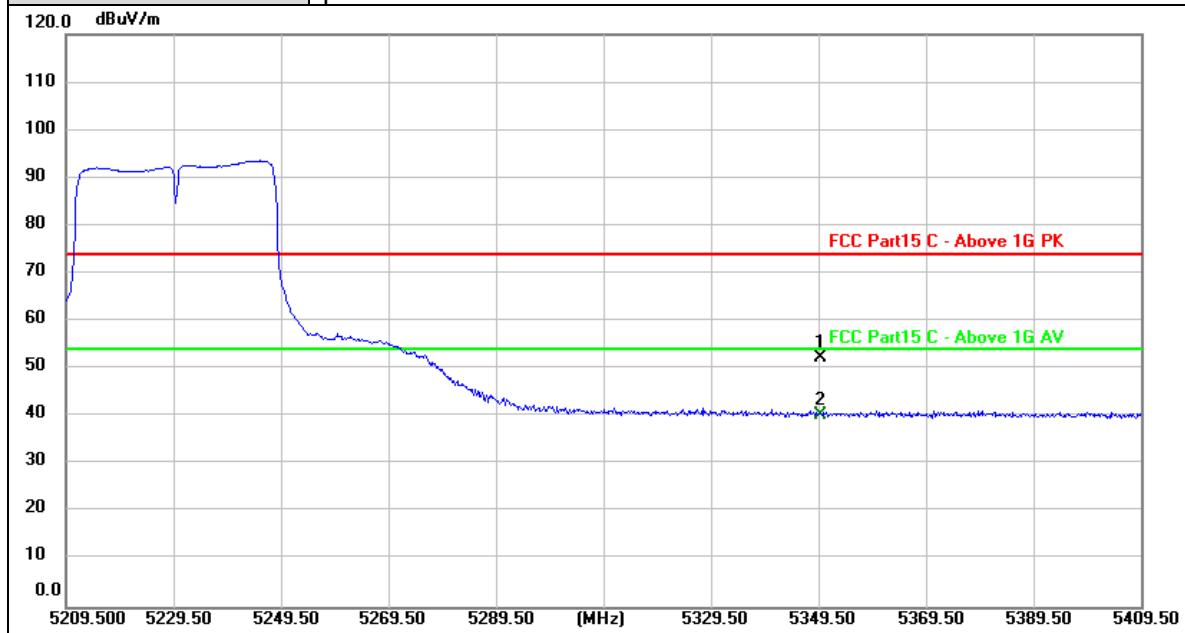
2. Margin value = Level - Limit value



Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Horizontal						
Test Mode:	TX 802.11n(HT40) Mode 5230MHz (U-NII-1)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
<p>120.0 dBuV/m</p> <p>FCC Part15 C - Above 1G PK</p> <p>FCC Part15 C - Above 1G AV</p> <p>5210.000 5230.00 5250.00 5270.00 5290.00 (MHz) 5330.00 5350.00 5370.00 5390.00 5410.00</p>							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5350.000	19.35	37.41	56.76	74.00	-17.24	peak
2 *	5350.000	4.11	37.41	41.52	54.00	-12.48	AVG
<p>Remarks:</p> <p>1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor</p> <p>2. Margin value = Level -Limit value</p>							



Ant No.:	Ant 1 + Ant 2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11n(HT40) Mode 5230MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5350.000	14.97	37.41	52.38	74.00	-21.62	peak
2 *	5350.000	2.82	37.41	40.23	54.00	-13.77	Avg

Remarks:

1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

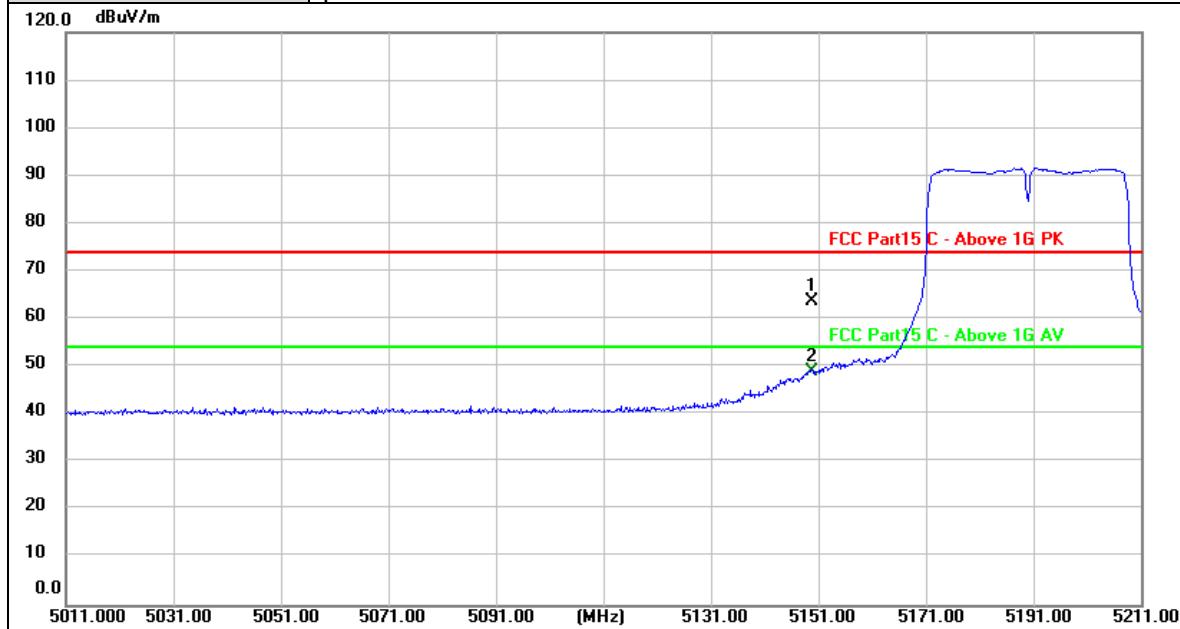
2. Margin value = Level -Limit value



Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Horizontal						
Test Mode:	TX 802.11ac(VHT40) Mode 5190MHz (U-NII-1)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
<p>120.0 dBuV/m</p> <p>110</p> <p>100</p> <p>90</p> <p>80</p> <p>70</p> <p>60</p> <p>50</p> <p>40</p> <p>30</p> <p>20</p> <p>10</p> <p>0.0</p> <p>5011.000 5031.00 5051.00 5071.00 5091.00 (MHz) 5131.00 5151.00 5171.00 5191.00 5211.00</p> <p>FCC Part15 C - Above 1G PK</p> <p>1 FCC Part15 C - Above 1G AV</p> <p>2</p>							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	15.83	37.15	52.98	74.00	-21.02	peak
2 *	5150.000	3.74	37.15	40.89	54.00	-13.11	AVG
<p>Remarks:</p> <p>1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor</p> <p>2. Margin value = Level -Limit value</p>							



Ant No.:	Ant 1 + Ant 2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11ac(VHT40) Mode 5190MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	26.63	37.15	63.78	74.00	-10.22	peak
2 *	5150.000	11.86	37.15	49.01	54.00	-4.99	AVG

Remarks:

1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

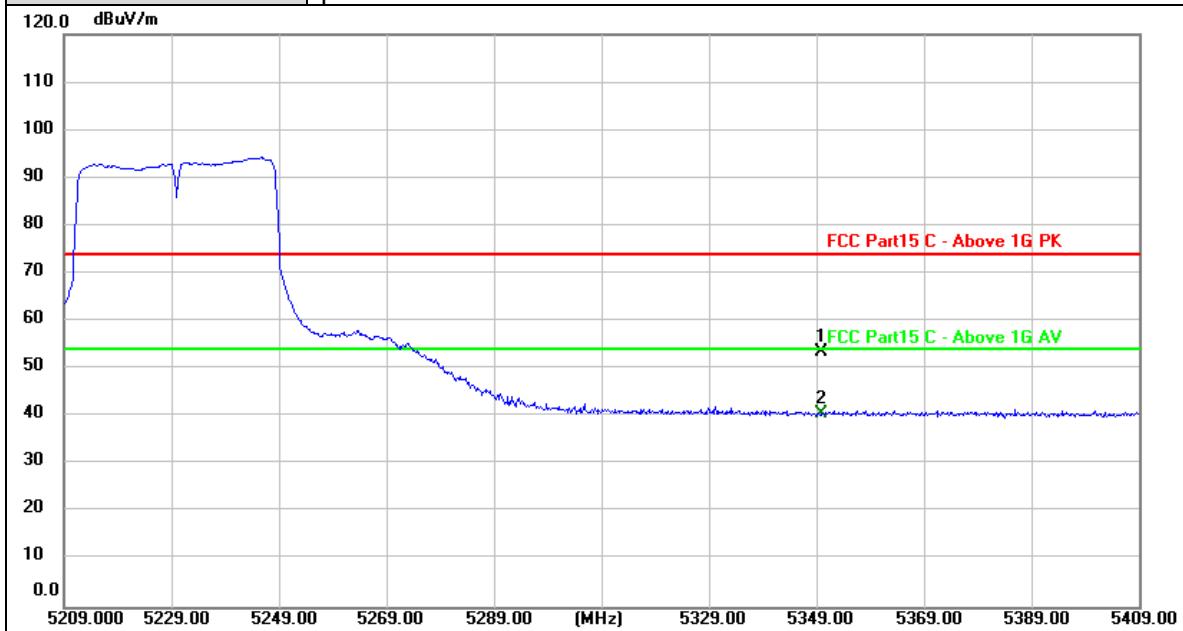
2. Margin value = Level -Limit value



Ant No.:	Ant 1 + Ant 2																														
Ant. Pol.:	Horizontal																														
Test Mode:	TX 802.11ac(VHT40) Mode 5230MHz (U-NII-1)																														
Remark:	No report for the emission which more than 20 dB below the prescribed limit.																														
 120.0 dBuV/m 110 100 90 80 70 60 50 40 30 20 10 0.0 5208.000 5228.00 5248.00 5268.00 5288.00 5308.00 [MHz] 5328.00 5348.00 5368.00 5388.00 5408.00																															
<table border="1"><thead><tr><th>No.</th><th>Frequency (MHz)</th><th>Reading (dBuV)</th><th>Factor (dB/m)</th><th>Level (dBuV/m)</th><th>Limit (dBuV/m)</th><th>Margin (dB)</th><th>Detector</th></tr></thead><tbody><tr><td>1</td><td>5350.000</td><td>18.83</td><td>37.41</td><td>56.24</td><td>74.00</td><td>-17.76</td><td>peak</td></tr><tr><td>2 *</td><td>5350.000</td><td>3.77</td><td>37.41</td><td>41.18</td><td>54.00</td><td>-12.82</td><td>AVG</td></tr></tbody></table>								No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	1	5350.000	18.83	37.41	56.24	74.00	-17.76	peak	2 *	5350.000	3.77	37.41	41.18	54.00	-12.82	AVG
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector																								
1	5350.000	18.83	37.41	56.24	74.00	-17.76	peak																								
2 *	5350.000	3.77	37.41	41.18	54.00	-12.82	AVG																								
<p>Remarks:</p> <p>1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor</p> <p>2. Margin value = Level -Limit value</p>																															



Ant No.:	Ant 1 + Ant 2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11ac(VHT40) Mode 5230MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5350.000	16.12	37.41	53.53	74.00	-20.47	peak
2 *	5350.000	3.25	37.41	40.66	54.00	-13.34	AVG

Remarks:

1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

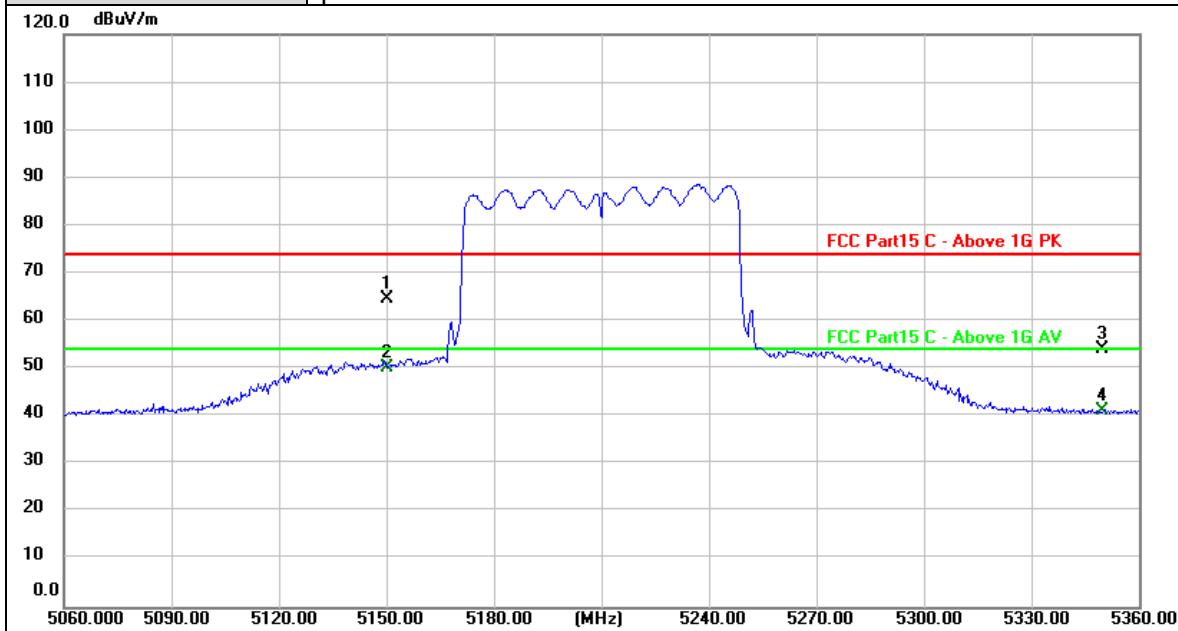
2. Margin value = Level - Limit value



Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Horizontal						
Test Mode:	TX 802.11ac(VHT80) Mode 5210MHz (U-NII-1)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	16.48	37.15	53.63	74.00	-20.37	peak
2 *	5150.000	4.95	37.15	42.10	54.00	-11.90	AVG
3	5350.000	12.97	37.41	50.38	74.00	-23.62	peak
4	5350.000	3.95	37.41	41.36	54.00	-12.64	AVG
Remarks: 1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2. Margin value = Level -Limit value							



Ant No.:	Ant 1 + Ant 2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11ac(VHT80) Mode 5210MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	27.55	37.15	64.70	74.00	-9.30	peak
2 *	5150.000	13.19	37.15	50.34	54.00	-3.66	Avg
3	5350.000	16.68	37.41	54.09	74.00	-19.91	peak
4	5350.000	3.94	37.41	41.35	54.00	-12.65	Avg

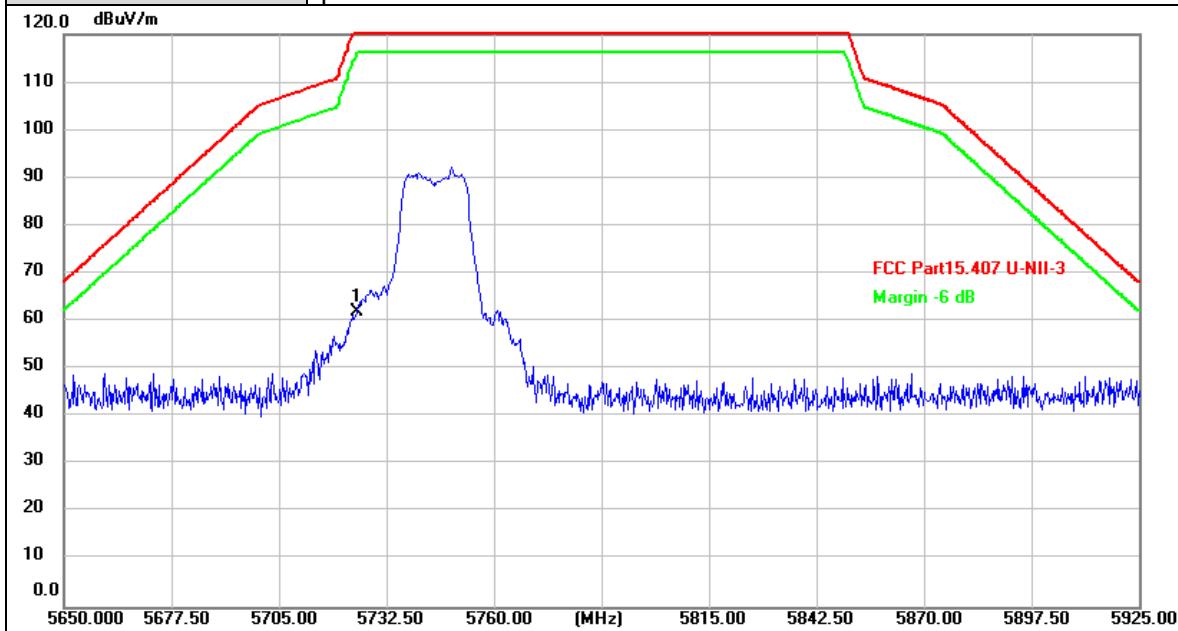
Remarks:

1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2. Margin value = Level - Limit value



Ant No.:	Ant 1
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11a Mode 5745MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5725.000	57.28	4.54	61.82	122.20	-60.38	peak

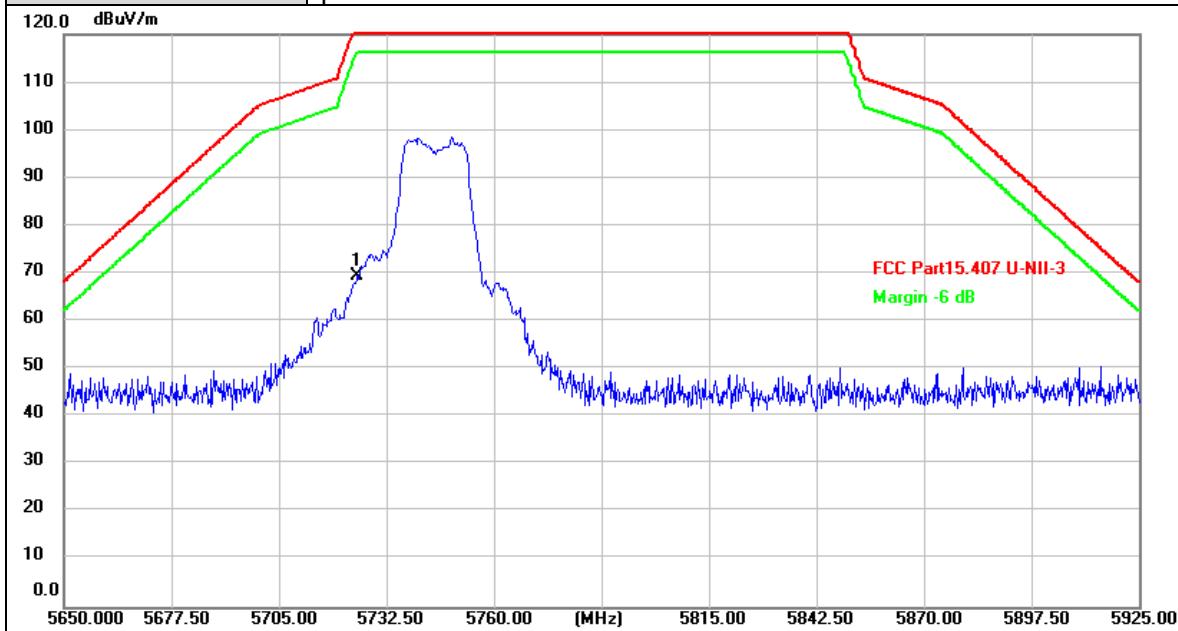
Remarks:

1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2. Margin value = Level -Limit value



Ant No.:	Ant 1
Ant. Pol.:	Vertical
Test Mode:	TX 802.11a Mode 5745MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5725.000	64.95	4.54	69.49	122.20	-52.71	peak

Remarks:

1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

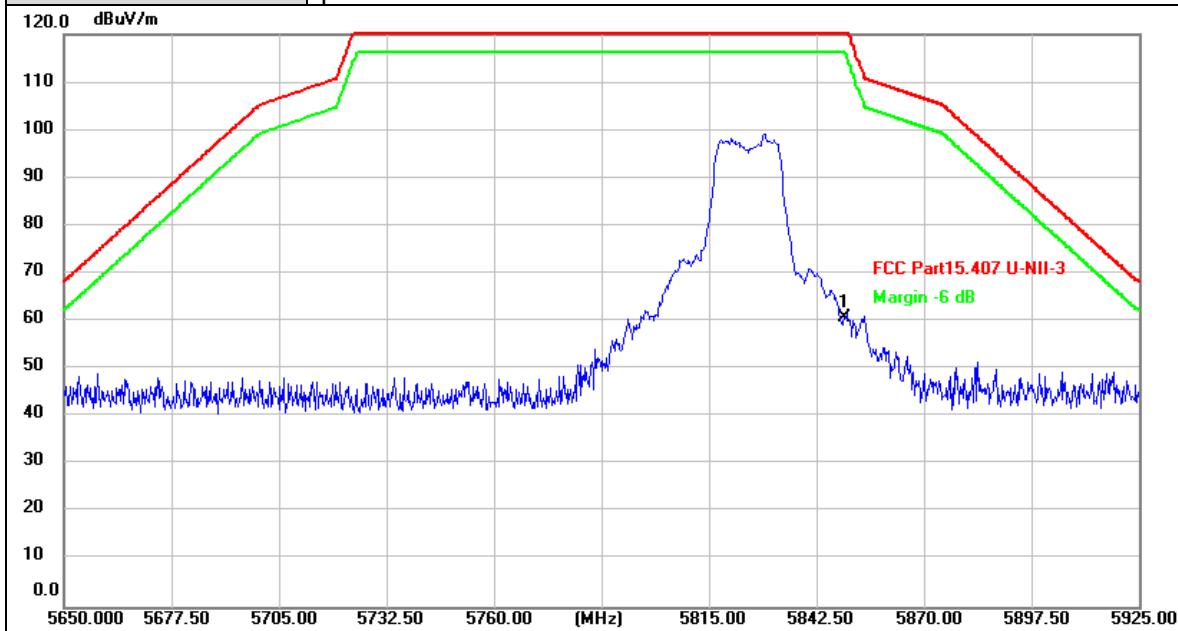
2. Margin value = Level -Limit value



Ant No.:	Ant 1						
Ant. Pol.:	Horizontal						
Test Mode:	TX 802.11a Mode 5825MHz (U-NII-3)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
<p>The graph plots dBuV/m against MHz. The Y-axis ranges from 0.0 to 120.0 dBuV/m. The X-axis ranges from 5650.000 to 5925.000 MHz. A blue line represents the measured level, which stays below the red FCC Part 15.407 U-NII-3 limit line (122.20 dBuV/m) throughout the band. A green line represents the margin, which is consistently above -6 dB. A small blue peak is visible around 5815.00 MHz.</p>							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5850.000	44.41	4.95	49.36	122.20	-72.84	peak
<p>Remarks:</p> <p>1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor</p> <p>2. Margin value = Level -Limit value</p>							



Ant No.:	Ant 1
Ant. Pol.:	Vertical
Test Mode:	TX 802.11a Mode 5825MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5850.000	55.76	4.95	60.71	122.20	-61.49	peak

Remarks:

1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2. Margin value = Level -Limit value

CTC Laboratories, Inc.

1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China
Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn

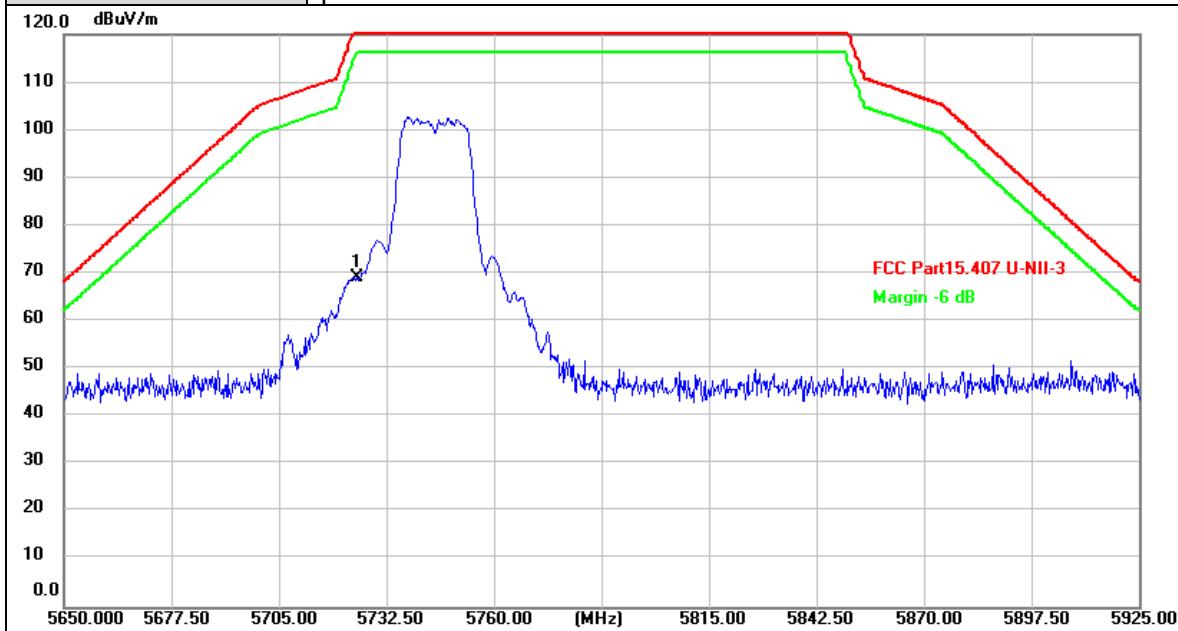
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Horizontal						
Test Mode:	TX 802.11n(HT20) Mode 5745MHz (U-NII-3)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
<p>FCC Part15.407 U-NII-3 Margin -6 dB</p>							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5725.000	57.91	4.54	62.45	122.20	-59.75	peak
<p>Remarks:</p> <p>1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor</p> <p>2. Margin value = Level -Limit value</p>							



Ant No.:	Ant 1 + Ant 2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11n(HT20) Mode 5745MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5725.000	64.68	4.54	69.22	122.20	-52.98	peak

Remarks:

1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

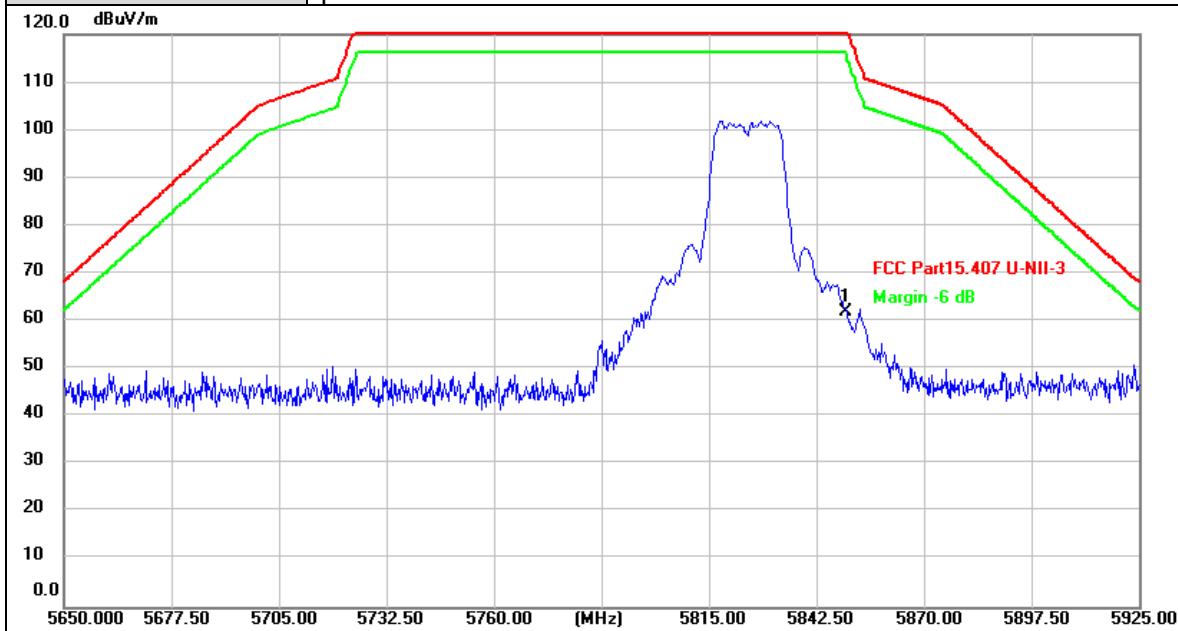
2. Margin value = Level -Limit value



Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Horizontal						
Test Mode:	TX 802.11n(HT20) Mode 5825MHz (U-NII-3)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
<p>The graph plots dBuV/m on the y-axis (0.0 to 120.0) against MHz on the x-axis (5650.000 to 5925.00). A red line represents the emission spectrum, starting at ~68 dBuV/m at 5650 MHz, rising to a plateau of ~115 dBuV/m between 5732.50 and 5842.50 MHz. A green line shows the FCC Part15.407 U-NII-3 margin at -6 dB. A blue line shows the detector peak at 5850.000 MHz, reaching approximately 51.70 dBuV. A point labeled '1' is marked on the blue curve at 5842.50 MHz.</p>							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5850.000	51.70	4.95	56.65	122.20	-65.55	peak
<p>Remarks:</p> <p>1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor</p> <p>2. Margin value = Level -Limit value</p>							



Ant No.:	Ant 1 + Ant 2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11n(HT20) Mode 5825MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5850.000	57.05	4.95	62.00	122.20	-60.20	peak

Remarks:

1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

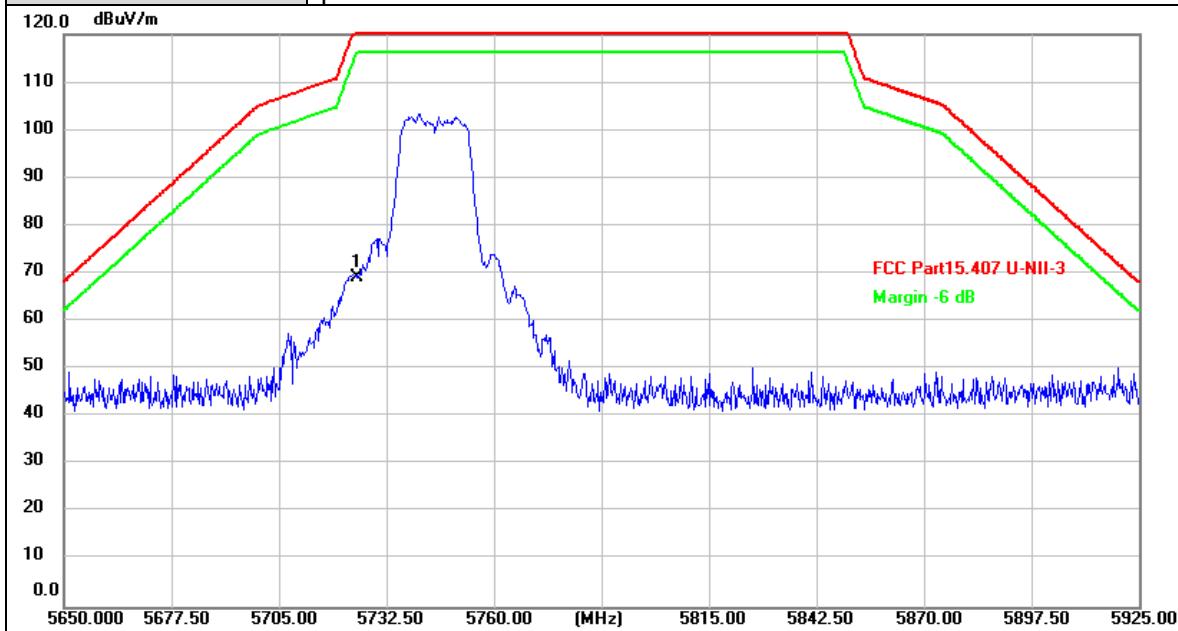
2. Margin value = Level -Limit value



Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Horizontal						
Test Mode:	TX 802.11ac(VHT20) Mode 5745MHz (U-NII-3)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
<p>FCC Part15.407 U-NII-3 Margin -6 dB</p>							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5725.000	56.60	4.54	61.14	122.20	-61.06	peak
<p>Remarks: 1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2. Margin value = Level -Limit value</p>							



Ant No.:	Ant 1 + Ant 2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11ac(VHT20) Mode 5745MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5725.000	64.73	4.54	69.27	122.20	-52.93	peak

Remarks:

1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

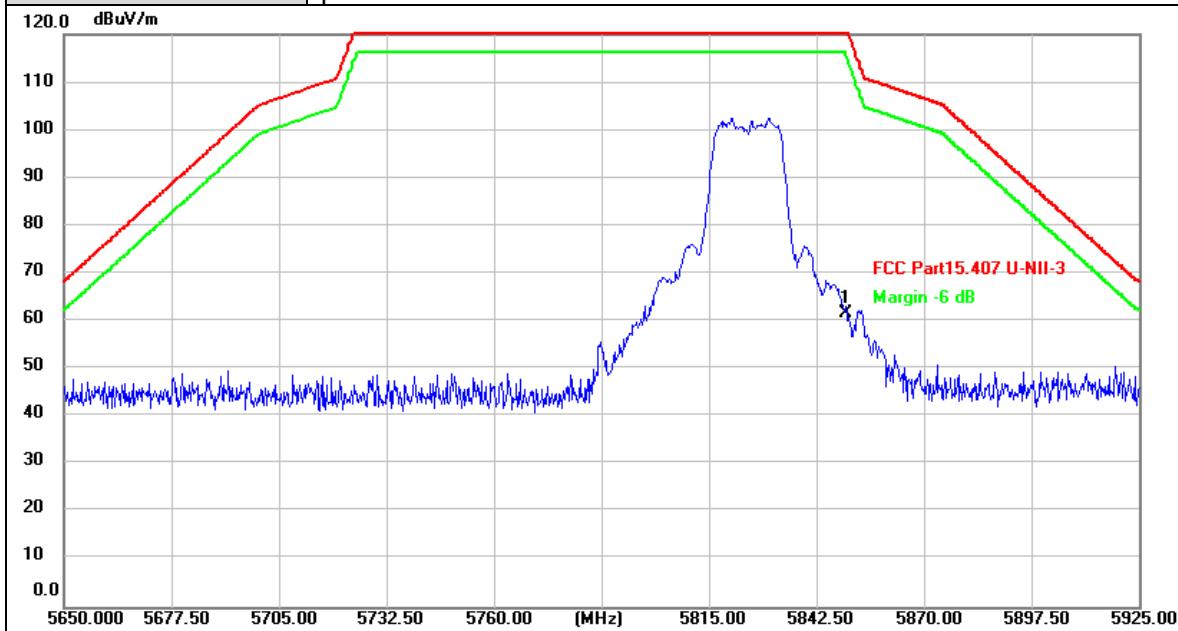
2. Margin value = Level -Limit value



Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Horizontal						
Test Mode:	TX 802.11ac(VHT20) Mode 5825MHz (U-NII-3)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
<p>FCC Part15.407 U-NII-3 Margin -6 dB</p>							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5850.000	50.16	4.95	55.11	122.20	-67.09	peak
<p>Remarks:</p> <p>1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor</p> <p>2. Margin value = Level -Limit value</p>							



Ant No.:	Ant 1 + Ant 2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11ac(VHT20) Mode 5825MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5850.000	56.73	4.95	61.68	122.20	-60.52	peak

Remarks:

1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

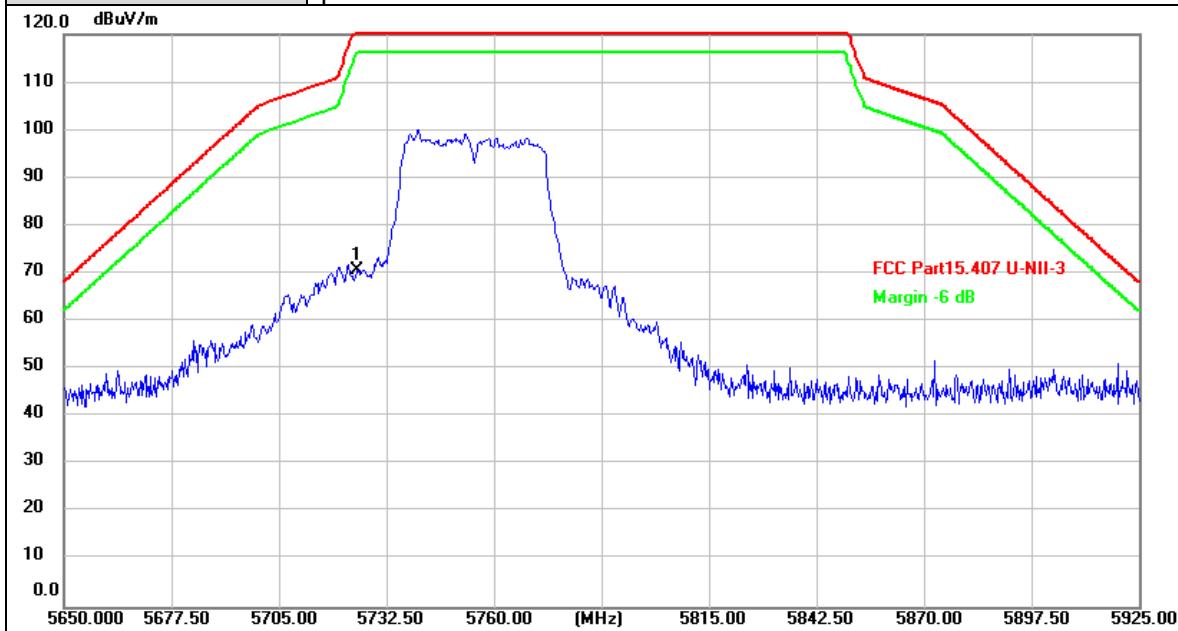
2. Margin value = Level -Limit value



Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Horizontal						
Test Mode:	TX 802.11n(HT40) Mode 5755MHz (U-NII-3)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
<p>FCC Part15.407 U-NII-3 Margin -6 dB</p>							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5725.000	57.73	4.54	62.27	122.20	-59.93	peak
Remarks: 1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor 2. Margin value = Level -Limit value							



Ant No.:	Ant 1 + Ant 2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11n(HT40) Mode 5755MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5725.000	66.21	4.54	70.75	122.20	-51.45	peak

Remarks:

1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

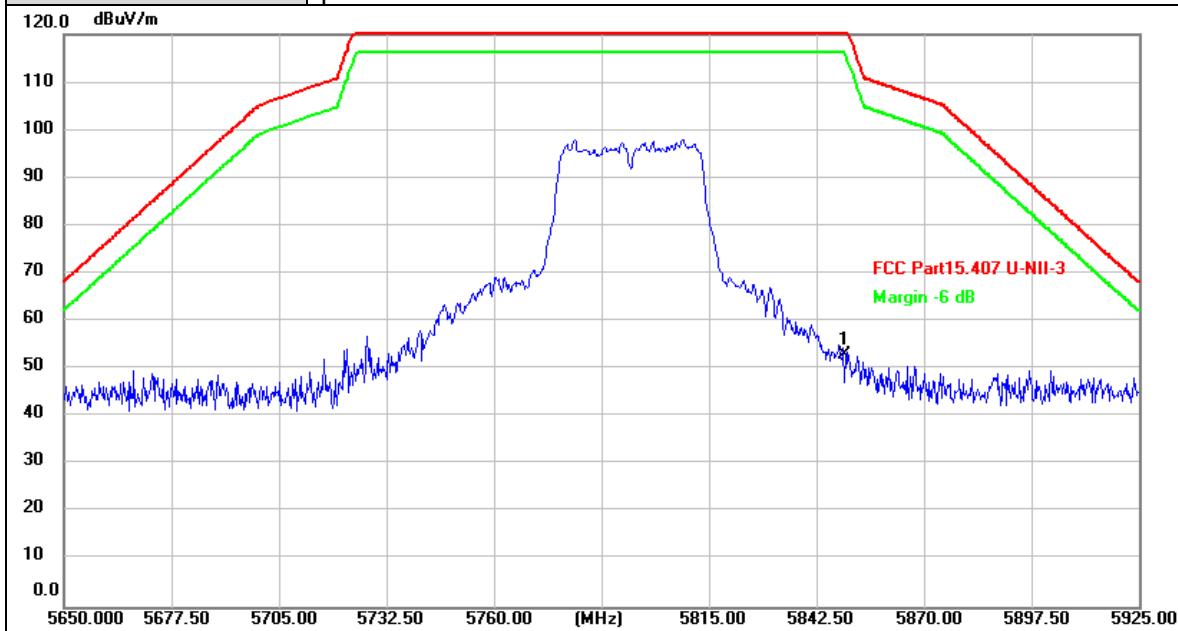
2. Margin value = Level -Limit value



Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Horizontal						
Test Mode:	TX 802.11n(HT40) Mode 5795MHz (U-NII-3)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
<p>The graph plots dBuV/m on the y-axis (0.0 to 120.0) against MHz on the x-axis (5650.000 to 5925.00). A red line represents the FCC Part15.407 U-NII-3 margin, starting at ~68 dBuV/m and peaking at ~115 dBuV/m. A green line shows the measured emission spectrum, which stays below the red line. A blue line shows the detector reading at 5850.000 MHz, which is labeled as 41.21 dBuV.</p>							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5850.000	41.21	4.95	46.16	122.20	-76.04	peak
<p>Remarks:</p> <p>1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor</p> <p>2. Margin value = Level -Limit value</p>							



Ant No.:	Ant 1 + Ant 2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11n(HT40) Mode 5795MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5850.000	48.01	4.95	52.96	122.20	-69.24	peak

Remarks:

1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

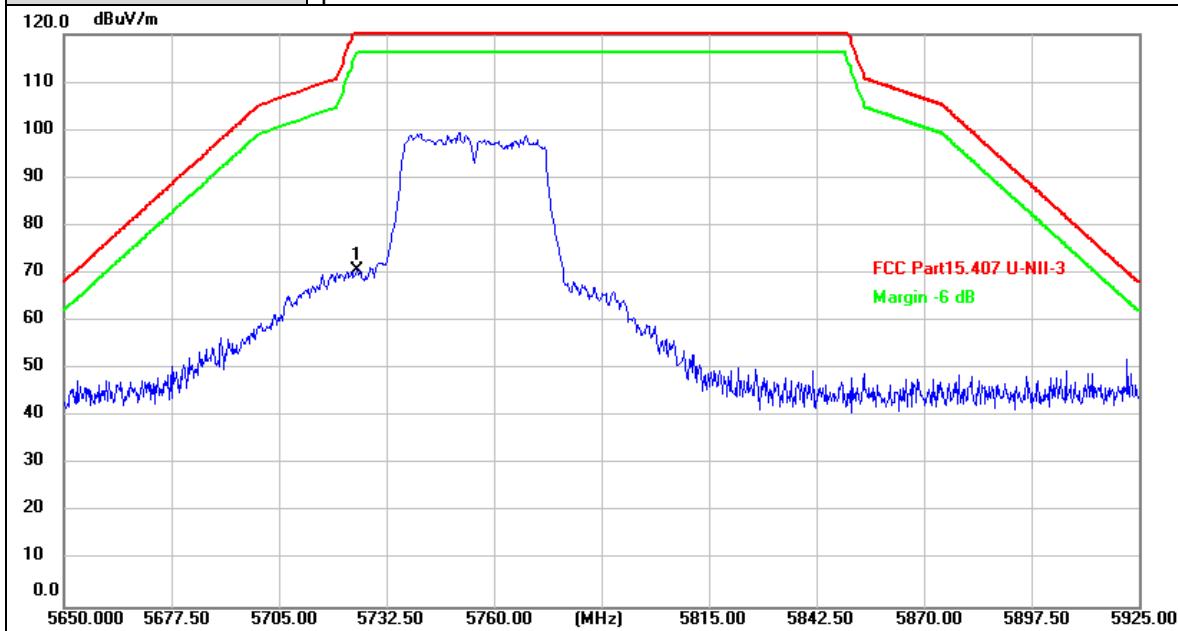
2. Margin value = Level -Limit value



Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Horizontal						
Test Mode:	TX 802.11ac(VHT40) Mode 5755MHz (U-NII-3)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
<p>FCC Part15.407 U-NII-3 Margin -6 dB</p>							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5725.000	58.97	4.54	63.51	122.20	-58.69	peak
<p>Remarks:</p> <p>1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor</p> <p>2. Margin value = Level -Limit value</p>							



Ant No.:	Ant 1 + Ant 2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11ac(VHT40) Mode 5755MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5725.000	66.13	4.54	70.67	122.20	-51.53	peak

Remarks:

1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

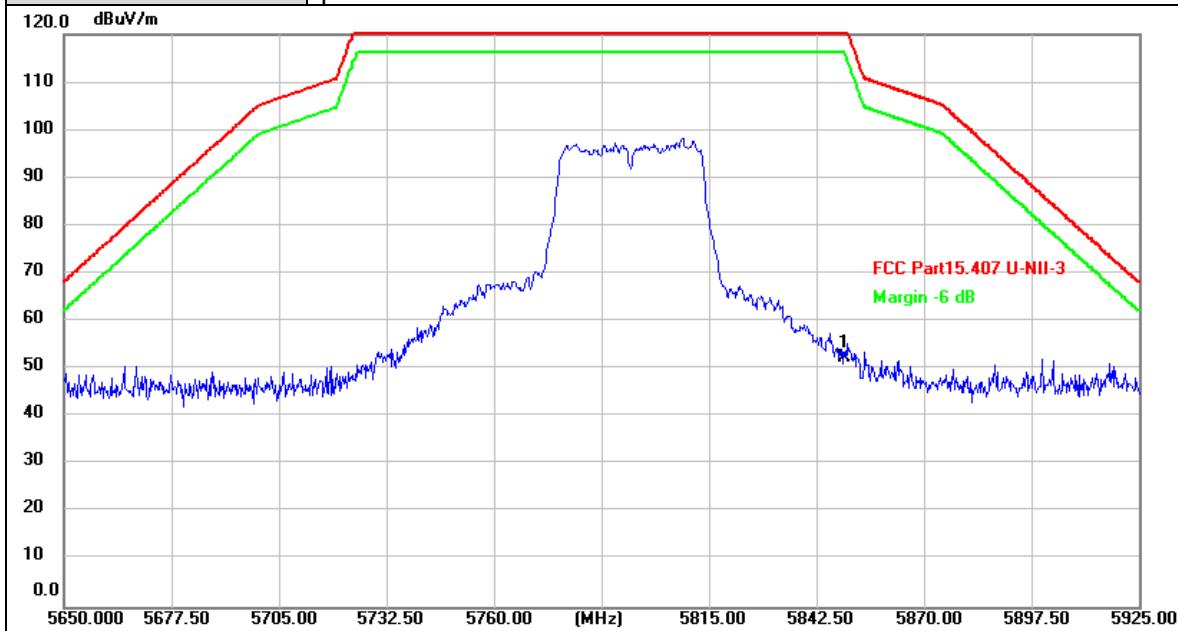
2. Margin value = Level -Limit value



Ant No.:	Ant 1 + Ant 2						
Ant. Pol.:	Horizontal						
Test Mode:	TX 802.11ac(VHT40) Mode 5795MHz (U-NII-3)						
Remark:	No report for the emission which more than 20 dB below the prescribed limit.						
<p>FCC Part15.407 U-NII-3 Margin -6 dB</p>							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5850.000	40.06	4.95	45.01	122.20	-77.19	peak
<p>Remarks:</p> <p>1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor</p> <p>2. Margin value = Level -Limit value</p>							



Ant No.:	Ant 1 + Ant 2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11ac(VHT40) Mode 5795MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5850.000	47.28	4.95	52.23	122.20	-69.97	peak

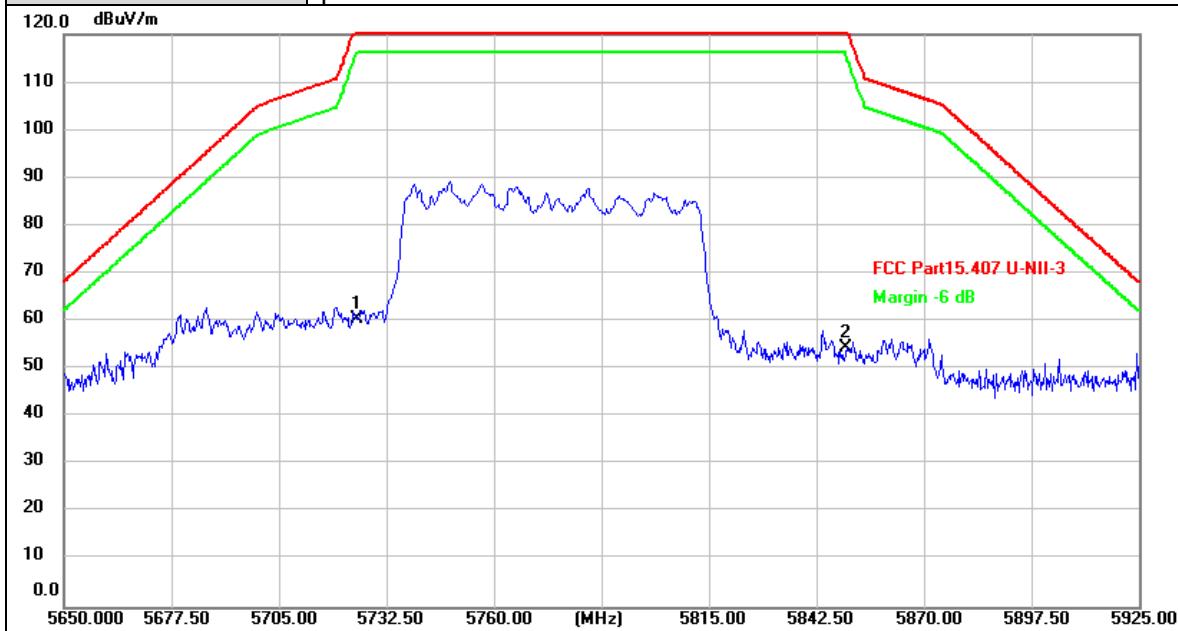
Remarks:

1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2. Margin value = Level -Limit value



Ant No.:	Ant 1 + Ant 2
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11ac(VHT80) Mode 5775MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5725.000	55.89	4.54	60.43	122.20	-61.77	peak
2	5850.000	49.55	4.95	54.50	122.20	-67.70	peak

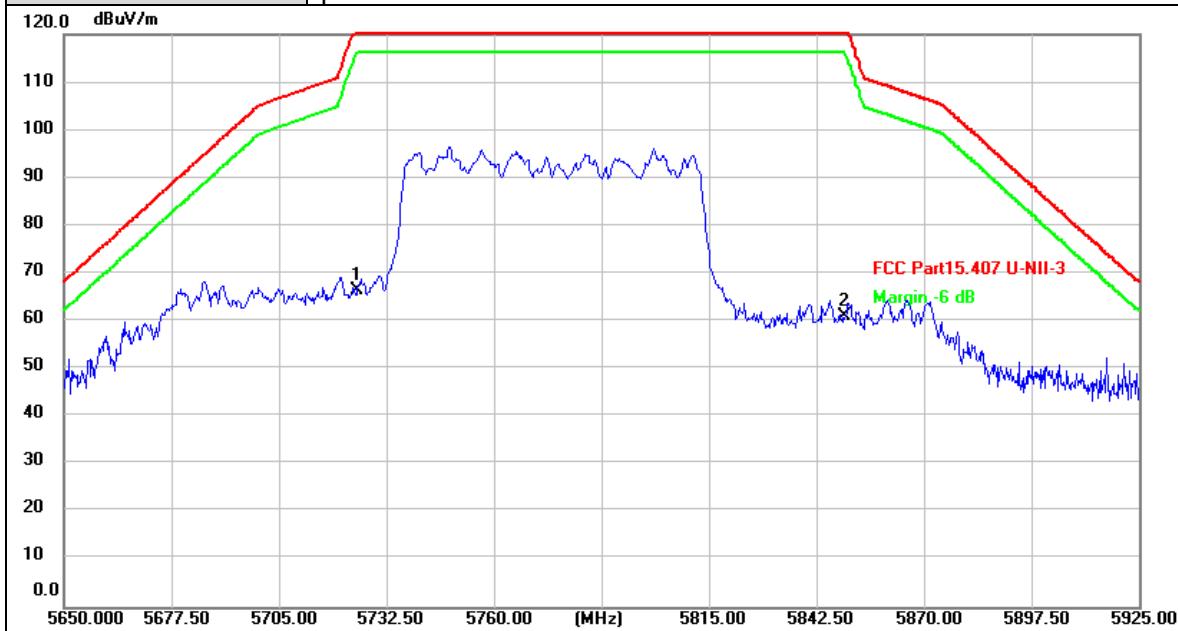
Remarks:

1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2. Margin value = Level -Limit value



Ant No.:	Ant 1 + Ant 2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11ac(VHT80) Mode 5775MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5725.000	61.89	4.54	66.43	122.20	-55.77	peak
2	5850.000	56.04	4.95	60.99	122.20	-61.21	peak

Remarks:

1. Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2. Margin value = Level -Limit value

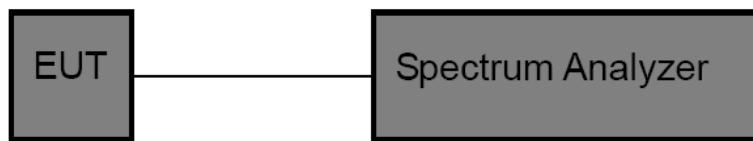


3.4. Bandwidth Test

Limit

FCC Part 15 Subpart C(15.407)/ RSS-247		
Test Item	Limit	Frequency Range (MHz)
26 dB Bandwidth	N/A	5150~5250
		5250~5350
		5500~5700
6 dB Bandwidth	>500kHz	5725~5850

Test Configuration



Test Procedure

Please refer to According to KDB789033 D02, for the measurement methods.

The setting of the spectrum analyser as below:

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



6dB Bandwidth Test	
Spectrum Parameters	Setting
Attenuation	Auto
Span	>6 dB Bandwidth
RBW	100 kHz
VBW	VBW≥ 3*RBW
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

99% Occupied Bandwidth Test	
Spectrum Parameters	Setting
Attenuation	Auto
RBW	1% to 5% of the OBW
VBW	≥ 3RBW
Detector	Peak
Trace	Max Hold

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

Test Mode

Please refer to the clause 2.4.

Test Results



26dB Bandwidth Test:

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	21.200	5169.400	5190.600	---	PASS
	Ant2	5180	24.760	5167.520	5192.280	---	PASS
	Ant1	5200	21.800	5189.320	5211.120	---	PASS
	Ant2	5200	22.200	5189.040	5211.240	---	PASS
	Ant1	5240	20.920	5229.440	5250.360	---	PASS
	Ant2	5240	20.720	5229.920	5250.640	---	PASS
	Ant1	5745	27.040	5728.520	5755.560	---	PASS
	Ant2	5745	26.480	5732.520	5759.000	---	PASS
	Ant1	5785	23.600	5772.480	5796.080	---	PASS
	Ant2	5785	27.480	5772.200	5799.680	---	PASS
	Ant1	5825	25.480	5810.680	5836.160	---	PASS
	Ant2	5825	26.520	5812.840	5839.360	---	PASS
	Ant1	5180	21.120	5169.240	5190.360	---	PASS
	Ant2	5180	20.920	5169.760	5190.680	---	PASS
11N20MIMO	Ant1	5200	21.360	5189.280	5210.640	---	PASS
	Ant2	5200	22.360	5188.640	5211.000	---	PASS
	Ant1	5240	21.040	5229.280	5250.320	---	PASS
	Ant2	5240	21.000	5229.640	5250.640	---	PASS
	Ant1	5745	22.000	5733.560	5755.560	---	PASS
	Ant2	5745	21.000	5734.520	5755.520	---	PASS
	Ant1	5785	21.320	5774.200	5795.520	---	PASS
	Ant2	5785	20.960	5774.600	5795.560	---	PASS
	Ant1	5825	21.720	5813.760	5835.480	---	PASS
	Ant2	5825	21.160	5814.400	5835.560	---	PASS
	Ant1	5190	43.040	5168.400	5211.440	---	PASS
	Ant2	5190	46.000	5166.640	5212.640	---	PASS
	Ant1	5230	44.240	5208.160	5252.400	---	PASS
	Ant2	5230	44.640	5207.840	5252.480	---	PASS
11N40MIMO	Ant1	5755	47.680	5729.400	5777.080	---	PASS
	Ant2	5755	49.040	5733.560	5782.600	---	PASS
	Ant1	5795	43.920	5773.240	5817.160	---	PASS
	Ant2	5795	44.320	5773.320	5817.640	---	PASS
	Ant1	5180	21.520	5169.080	5190.600	---	PASS
	Ant2	5180	21.440	5168.920	5190.360	---	PASS
	Ant1	5200	18.161	5190.814	5208.975	---	PASS
	Ant2	5200	18.056	5190.890	5208.946	---	PASS
11AC20MIMO	Ant1	5240	18.104	5230.853	5248.957	---	PASS
	Ant2	5240	18.015	5230.941	5248.956	---	PASS
	Ant1	5745	21.440	5734.120	5755.560	---	PASS
	Ant2	5745	21.000	5734.480	5755.480	---	PASS
	Ant1	5785	21.800	5773.720	5795.520	---	PASS
	Ant2	5785	20.920	5774.520	5795.440	---	PASS
	Ant1	5825	21.160	5814.320	5835.480	---	PASS
	Ant2	5825	21.320	5814.160	5835.480	---	PASS
	Ant1	5190	44.080	5167.760	5211.840	---	PASS
	Ant2	5190	44.160	5167.760	5211.920	---	PASS
	Ant1	5230	44.320	5207.760	5252.080	---	PASS
	Ant2	5230	44.080	5208.000	5252.080	---	PASS
11AC40MIMO	Ant1	5755	47.680	5729.640	5777.320	---	PASS
	Ant2	5755	44.400	5733.320	5777.720	---	PASS
	Ant1	5795	43.200	5773.240	5816.440	---	PASS
	Ant2	5795	43.120	5773.800	5816.920	---	PASS
	Ant1	5210	81.760	5168.720	5250.480	---	PASS
	Ant2	5210	81.440	5169.040	5250.480	---	PASS
	Ant1	5775	83.680	5733.240	5816.920	---	PASS
	Ant2	5775	83.520	5734.200	5817.720	---	PASS
11AC80MIMO	Ant1	5210	81.760	5168.720	5250.480	---	PASS

CTC Laboratories, Inc.

1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

Fax: (86)755-27521011

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**6dB Bandwidth Test:**

TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.280	5736.840	5753.120	0.5	PASS
	Ant2	5745	16.320	5736.800	5753.120	0.5	PASS
	Ant1	5785	16.320	5776.840	5793.160	0.5	PASS
	Ant2	5785	16.280	5776.840	5793.120	0.5	PASS
	Ant1	5825	16.280	5816.840	5833.120	0.5	PASS
	Ant2	5825	16.280	5816.840	5833.120	0.5	PASS
11N20MIMO	Ant1	5745	17.040	5736.480	5753.520	0.5	PASS
	Ant2	5745	17.120	5736.400	5753.520	0.5	PASS
	Ant1	5785	17.360	5776.360	5793.720	0.5	PASS
	Ant2	5785	16.920	5776.600	5793.520	0.5	PASS
	Ant1	5825	17.280	5816.240	5833.520	0.5	PASS
	Ant2	5825	16.800	5816.520	5833.320	0.5	PASS
11N40MIMO	Ant1	5755	36.000	5737.080	5773.080	0.5	PASS
	Ant2	5755	36.000	5737.080	5773.080	0.5	PASS
	Ant1	5795	36.000	5777.080	5813.080	0.5	PASS
	Ant2	5795	35.760	5777.080	5812.840	0.5	PASS
11AC20MIMO	Ant1	5745	17.040	5736.480	5753.520	0.5	PASS
	Ant2	5745	17.000	5736.520	5753.520	0.5	PASS
	Ant1	5785	17.040	5776.480	5793.520	0.5	PASS
	Ant2	5785	17.040	5776.480	5793.520	0.5	PASS
	Ant1	5825	17.200	5816.360	5833.560	0.5	PASS
	Ant2	5825	16.800	5816.560	5833.360	0.5	PASS
11AC40MIMO	Ant1	5755	36.080	5737.080	5773.160	0.5	PASS
	Ant2	5755	35.680	5737.080	5772.760	0.5	PASS
	Ant1	5795	36.080	5777.080	5813.160	0.5	PASS
	Ant2	5795	36.080	5777.080	5813.160	0.5	PASS
11AC80MIMO	Ant1	5775	75.200	5737.400	5812.600	0.5	PASS
	Ant2	5775	75.200	5737.400	5812.600	0.5	PASS

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99% Occupied Bandwidth Test

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.103	5171.442	5188.545	---	PASS
	Ant2	5180	17.132	5171.406	5188.538	---	PASS
	Ant1	5200	17.120	5191.423	5208.543	---	PASS
	Ant2	5200	17.092	5191.420	5208.512	---	PASS
	Ant1	5240	17.054	5231.460	5248.514	---	PASS
	Ant2	5240	17.023	5231.491	5248.514	---	PASS
	Ant1	5745	17.319	5736.279	5753.598	---	PASS
	Ant2	5745	17.217	5736.423	5753.640	---	PASS
	Ant1	5785	17.233	5776.383	5793.616	---	PASS
	Ant2	5785	17.369	5776.427	5793.796	---	PASS
	Ant1	5825	17.275	5816.320	5833.595	---	PASS
	Ant2	5825	17.320	5816.379	5833.699	---	PASS
	Ant1	5180	18.059	5170.901	5188.960	---	PASS
	Ant2	5180	17.832	5171.052	5188.884	---	PASS
11N20MIMO	Ant1	5200	18.092	5190.870	5208.962	---	PASS
	Ant2	5200	17.859	5191.049	5208.908	---	PASS
	Ant1	5240	18.073	5230.893	5248.966	---	PASS
	Ant2	5240	17.839	5231.069	5248.908	---	PASS
	Ant1	5745	18.098	5735.901	5753.999	---	PASS
	Ant2	5745	17.973	5736.000	5753.973	---	PASS
	Ant1	5785	18.067	5775.954	5794.021	---	PASS
	Ant2	5785	18.017	5776.026	5794.043	---	PASS
	Ant1	5825	18.096	5815.895	5833.991	---	PASS
	Ant2	5825	18.055	5815.960	5834.015	---	PASS
	Ant1	5190	37.364	5171.281	5208.645	---	PASS
	Ant2	5190	37.214	5171.374	5208.588	---	PASS
	Ant1	5230	37.449	5211.228	5248.677	---	PASS
	Ant2	5230	37.282	5211.342	5248.624	---	PASS
11N40MIMO	Ant1	5755	37.467	5736.246	5773.713	---	PASS
	Ant2	5755	37.220	5736.480	5773.700	---	PASS
	Ant1	5795	37.323	5776.372	5813.695	---	PASS
	Ant2	5795	37.148	5776.493	5813.641	---	PASS
11AC20MIMO	Ant1	5180	18.125	5170.859	5188.984	---	PASS
	Ant2	5180	18.089	5170.876	5188.965	---	PASS
	Ant1	5200	18.183	5190.828	5209.011	---	PASS
	Ant2	5200	18.102	5190.865	5208.967	---	PASS
	Ant1	5240	18.173	5230.836	5249.009	---	PASS
	Ant2	5240	18.081	5230.894	5248.975	---	PASS
	Ant1	5745	18.137	5735.855	5753.992	---	PASS
	Ant2	5745	18.032	5735.922	5753.954	---	PASS
	Ant1	5785	18.146	5775.878	5794.024	---	PASS
	Ant2	5785	18.068	5775.951	5794.019	---	PASS
	Ant1	5825	18.112	5815.858	5833.970	---	PASS
	Ant2	5825	18.019	5815.935	5833.954	---	PASS
	Ant1	5190	37.322	5171.301	5208.623	---	PASS
	Ant2	5190	37.233	5171.343	5208.576	---	PASS
11AC40MIMO	Ant1	5230	37.435	5211.209	5248.644	---	PASS
	Ant2	5230	37.314	5211.308	5248.622	---	PASS
	Ant1	5755	37.442	5736.271	5773.713	---	PASS
	Ant2	5755	37.160	5736.496	5773.656	---	PASS
	Ant1	5795	37.208	5776.457	5813.665	---	PASS
	Ant2	5795	37.070	5776.601	5813.671	---	PASS
11AC80MIMO	Ant1	5210	76.041	5171.888	5247.929	---	PASS
	Ant2	5210	75.677	5172.103	5247.780	---	PASS
	Ant1	5775	76.131	5736.936	5813.067	---	PASS
	Ant2	5775	75.687	5737.291	5812.978	---	PASS

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26dB Bandwidth Test Graphs

