CTC Laboratories, Inc.

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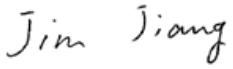
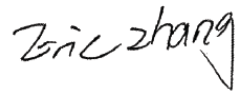
TEST REPORT

Report No. ……:	**CTC20240774E09**
FCC ID……..:	**2APN5-ECAM**
Applicant……:	**Shenzhen Sonoff Technologies Co.,Ltd.**
Address……:	3F & 6F, Bldg A, No. 663, Bulong Rd, Shenzhen, Guangdong, China
Manufacturer……:	Shenzhen Sonoff Technologies Co.,Ltd.
Address……:	3F & 6F, Bldg A, No. 663, Bulong Rd, Shenzhen, Guangdong, China
Product Name……:	**Wi-Fi Smart Security Camera**
Trade Mark……:	SONOFF, Sonoff
Model/Type reference……:	E-CAM
Listed Model(s) ……:	/
Standard……:	**FCC CFR Title 47 Part 15 Subpart E Section 15.407**
Date of receipt of test sample…:	Mar. 15, 2024
Date of testing……..:	Mar. 15, 2024 to May 9, 2024
Date of issue……....:	Jul. 17, 2024
Result……:	**PASS**

Compiled by: (Printed name+signature)	Jim Jiang	
Supervised by: (Printed name+signature)	Eric Zhang	
Approved by: (Printed name+signature)	Totti Zhao	

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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 3 — 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.	Report No.	Date of issue	Description
01	CTC20240774E09	Jul. 17, 2024	Original

1.3. Test Description

FCC Part 15 Subpart E (15.407) / RSS-247 Issue 3				
Test Item	**Test require**		**Result**	**Test Engineer**
	FCC	**IC**		
Antenna Requirement	15.203	/	Pass	Jim Jiang
Conducted Emission	15.207	RSS-Gen 8.8	Pass	Jim Jiang
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	Jim Jiang
26dB Bandwidth & 99% Bandwidth	15.407(a) (5)	RSS-247 6.2.1.2	Pass	Jim Jiang
6dB Bandwidth (only for UNII-3)	15.407(e)	RSS-247 6.2.4.1	Pass	Jim Jiang
Peak Output Power	15.407(a)	RSS-247 6.2.1.1 RSS-247 6.2.4.1	Pass	Jim Jiang
Power Spectral Density	15.407(a)	RSS-247 6.2	Pass	Jim Jiang
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	Jim Jiang
Frequency Stability	15.407(g)	/	Pass	Jim Jiang
Dynamic Frequency Selection (DFS)	15.407(h)	RSS-247 6.3	N/A	N/A

Note: “N/A” is not applicable.

The measurement uncertainty is not included in the test result.

1.4. Test Facility

CTC Laboratories, Inc.

Add: Room 101 Building B, Room 107, 108, 207, 208, 303 Building A, No. 7, Lanqing 1st Road, Luhu Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China (formerly 2/F., Building 1 and 1-2/F., Building 2, Jiaquan Building, High-Tech Park, Guanlan Sub-District, Longhua New District, Shenzhen, Guangdong, China)

Laboratory accreditation

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

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 Indus try 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 inour 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	25 °C
Extreme Condition	T_L=Lower Temperature	-10 °C
	T_H=Higher Temperature	45 °C

2. GENERAL INFORMATION

2.1. Client Information

Applicant:	Shenzhen Sonoff Technologies Co.,Ltd.
Address:	3F & 6F, Bldg A, No. 663, Bulong Rd, Shenzhen, Guangdong, China
Manufacturer:	Shenzhen Sonoff Technologies Co.,Ltd.
Address:	3F & 6F, Bldg A, No. 663, Bulong Rd, Shenzhen, Guangdong, China

2.2. General Description of EUT

Product Name:	Wi-Fi Smart Security Camera				
Trade Mark:	SONOFF, Sonoff				
Model/Type reference:	E-CAM				
Listed Model(s):	/				
Model Differences:	/				
Power supply:	Input: 5V⎓2A				
Hardware version:	V04				
Software version:	V1.6.8				
Technical index for 5G WIFI					
Operation Frequency Range:	U-NII-1:	5150MHz~5250MHz			
	U-NII-3:	5725MHz~5850MHz			
Support bandwidth:	802.11a	☒ 20MHz			
	802.11n	☒ 20MHz	☒ 40MHz		
	802.11ac	☒ 20MHz	☒ 40MHz	☒ 80MHz	☐ 160MHz
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&2 type:	FPC Antenna				
Antenna 1 gain:	U-NII-1: 4.47dBi U-NII-3: 4.60dBi				
Antenna 2 gain:	U-NII-1: 4.94dBi U-NII-3: 4.08dBi				
Directional Gain:	U-NII-1: 7.72dBi U-NII-3: 7.35dBi				

2.3. Accessory Equipment Information

Equipment Information			
Name	Model	S/N	Manufacturer
Notebook	ThinkPad T460s	/	Lenovo
Cable Information			
Name	Shielded Type	Ferrite Core	Length
USB Cable	Unshielded	NO	100cm
Test Software Information			
Name	Version	/	/
adb tool	/	/	/

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	/	/

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

3. Tonscend RF Test System					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Calibrated Until
1	Spectrum Analyzer	R&S	FSV40-N	101331	Mar. 21, 2025
2	Spectrum Analyzer	R&S	FSV40-N	101654	Aug. 07, 2024
3	Spectrum Analyzer	R&S	FSU26	100105	Dec. 12, 2024
4	MXA Signal Analyzer	Keysight	N9020A	MY46471737	Dec. 12, 2024
5	MXA Signal Analyzer	Keysight	N9020A	MY52091402	Aug. 22, 2024
6	MXG Vector Signal Generator	Agilent	N5182A	MY47420864	Dec. 12, 2024
7	PSG Analog Signal Generator	Agilent	E8257D	MY46521908	Dec. 12, 2024
8	EXG Analog Signal Generator	Keysight	N5173B	MY59100842	Dec. 12, 2024
9	MXG Vector Signal Generator	Keysight	N5182B	MY59100212	Dec. 12, 2024
10	USB Wideband Power Sensor	Keysight	U2021XA	MY55130004	Mar. 21, 2025
11	USB Wideband Power Sensor	Keysight	U2021XA	MY55130006	Mar. 21, 2025
12	Wideband Radio Communication Tester	R&S	CMW500	102257	May 25, 2024
13	Wideband Radio Communication Tester	R&S	CMW500	102414	Dec. 12, 2024
14	RF Control Unit	Tonscend	JS0806-2	/	Aug. 22, 2024
15	High and low temperature test chamber	ESPEC	MT3035	/	Mar. 21, 2025

Radiated Emission					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Calibrated Until
1	Trilog-Broadband Antenna	Schwarzbeck	VULB 9163	01026	Dec. 18, 2024
2	Horn Antenna	Schwarzbeck	BBHA 9120D	9120D-647	Sep. 25, 2025
3	Test Receiver	Keysight	N9038A	MY56400071	Dec. 12, 2024
4	Broadband Amplifier	SCHWARZBECK	BBV9743B	259	Dec. 12, 2024
5	Mirowave Broadband Amplifier	SCHWARZBECK	BBV9718C	111	Dec. 12, 2024
6	3m chamber 3	YIHENG	EE106	/	Aug. 28, 2026
7	Test Software	FARA	EZ-EMC	FA-03A2	/

Conducted Emission					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Calibrated Until
1	LISN	R&S	ENV216	101112	Dec. 12, 2024
2	LISN	R&S	ENV216	101113	Dec. 12, 2024
3	EMI Test Receiver	R&S	ESCS30	100353	Dec. 12, 2024
4	ISN CAT6	Schwarzbeck	NTFM 8158	CAT6-8158-0046	Dec. 12, 2024
5	ISN CAT5	Schwarzbeck	NTFM 8158	CAT5-8158-0046	Dec. 12, 2024
6	Test Software	R&S	EMC32	6.10.10	/

Note: 1. The Cal. Interval was one year.
2. The Cal. Interval was three years of the antenna.
3. The cable loss has been calculated in test result which connection between each test instruments.

3. TEST ITEM AND RESULTS

3.1. Conducted Emission

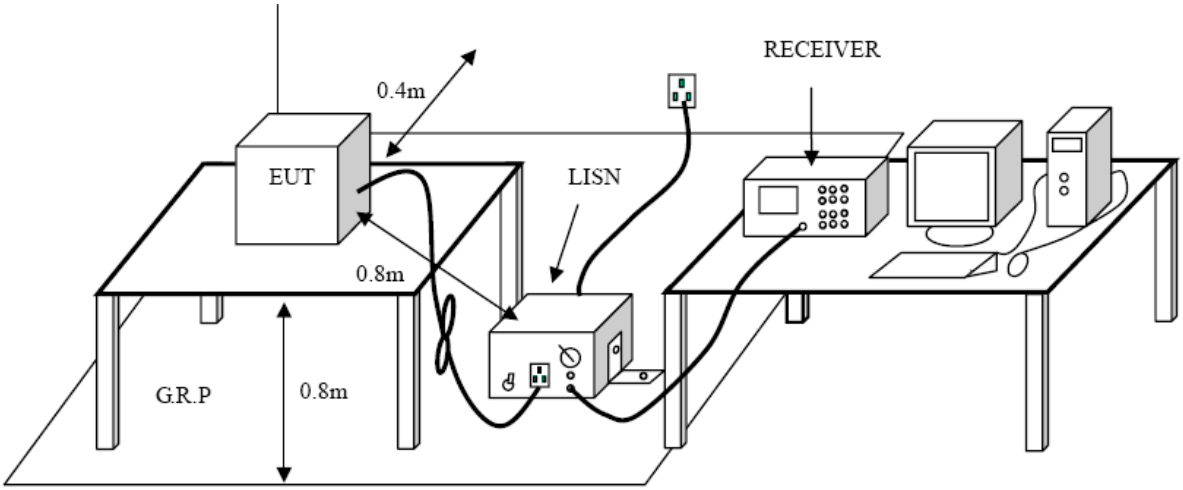
Limit

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

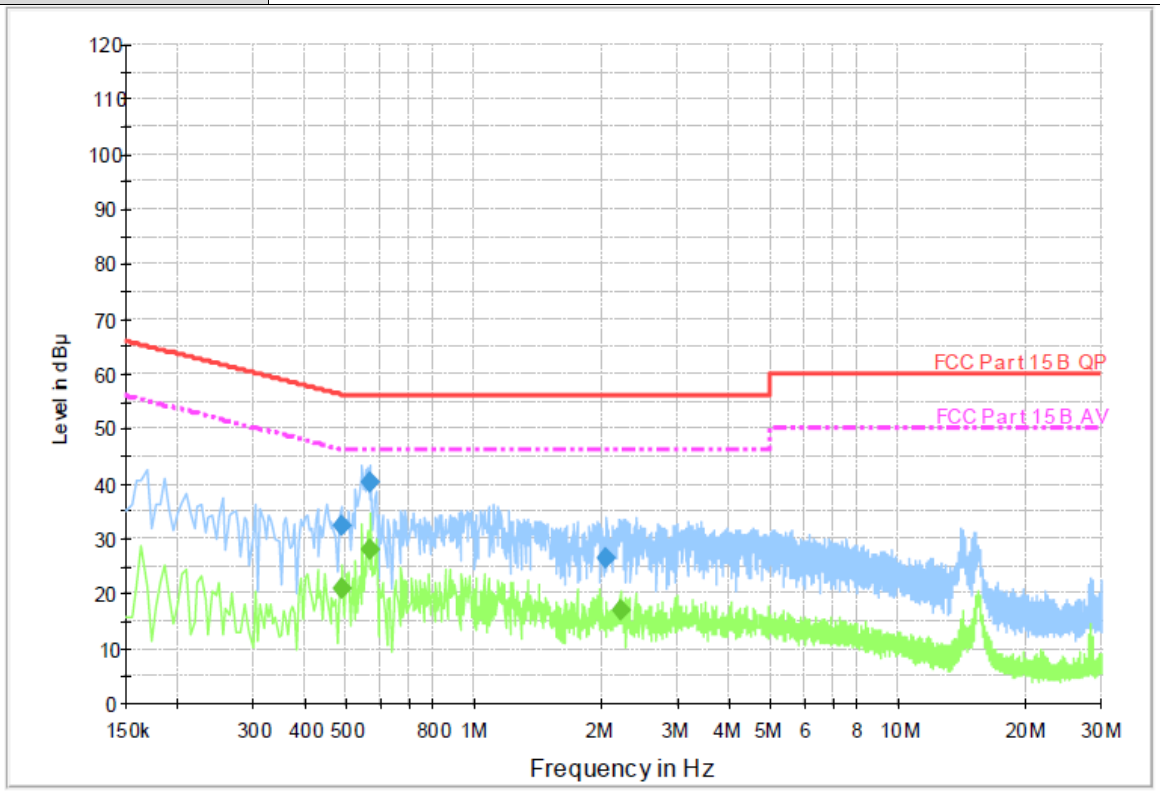
1. The EUT was setup according to ANSI C63.10:2013 requirements.
2. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from 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

Test Voltage:	AC 120V/60 Hz
Terminal:	Line
Remark:	Only worse case is reported



Final Measurement Detector 1

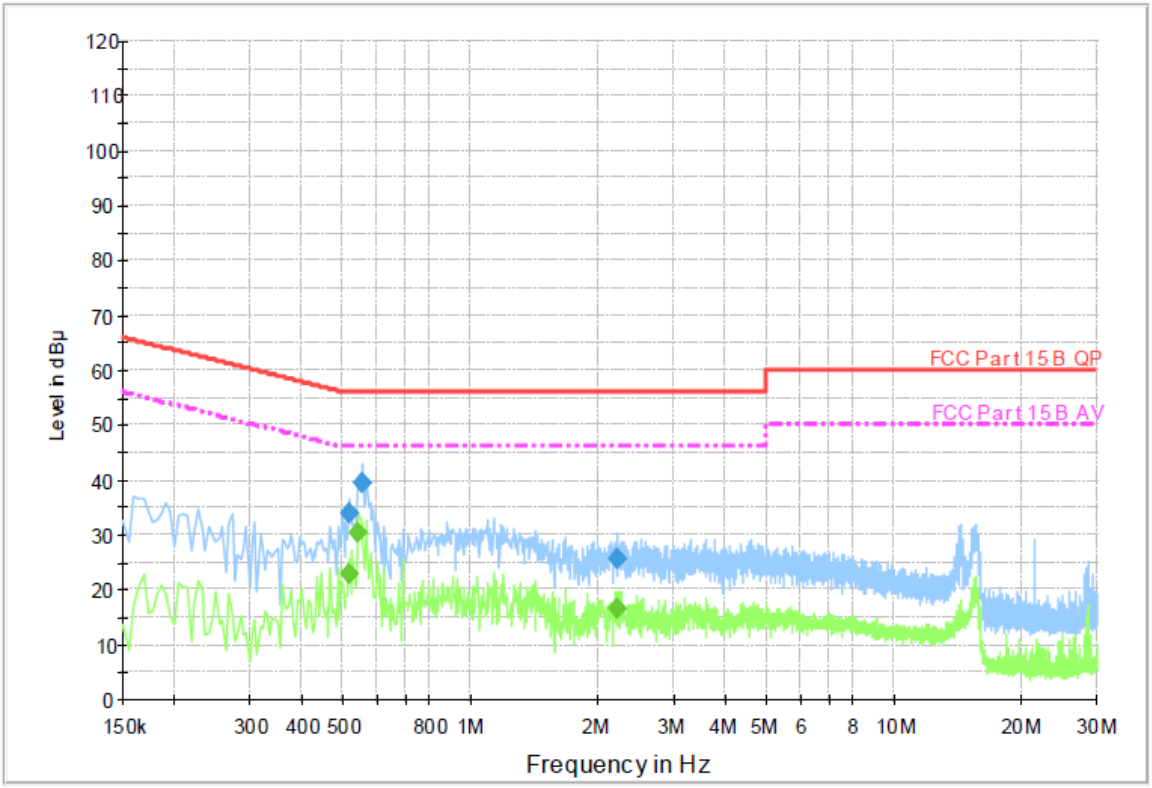
Frequency (MHz)	QuasiPeak (dBµ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµ V)	Comment
0.483000	32.4	1000.00	9.000	On	L1	9.5	23.9	56.3	
0.568500	40.4	1000.00	9.000	On	L1	9.5	15.6	56.0	
2.044500	26.4	1000.00	9.000	On	L1	9.5	29.6	56.0	

Final Measurement Detector 2

Frequency (MHz)	Average (dBµ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµ V)	Comment
0.487500	21.0	1000.00	9.000	On	L1	9.5	25.2	46.2	
0.568500	28.1	1000.00	9.000	On	L1	9.5	17.9	46.0	
2.197500	16.9	1000.00	9.000	On	L1	9.5	29.1	46.0	

Emission Level = Read Level + Correct Factor

Test Voltage:	AC 120V/60 Hz
Terminal:	Neutral
Remark:	Only worse case is reported



Final Measurement Detector 1

Frequency (MHz)	QuasiPeak (dBµ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµ V)	Comment
0.514500	33.9	1000.00	9.000	On	N	9.4	22.1	56.0	
0.555000	39.6	1000.00	9.000	On	N	9.4	16.4	56.0	
2.215500	25.7	1000.00	9.000	On	N	9.4	30.3	56.0	

Final Measurement Detector 2

Frequency (MHz)	Average (dBµ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµ V)	Comment
0.514500	22.9	1000.00	9.000	On	N	9.4	23.1	46.0	
0.541500	30.2	1000.00	9.000	On	N	9.4	15.8	46.0	
2.215500	16.7	1000.00	9.000	On	N	9.4	29.3	46.0	

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 Range (MHz)	dBμV/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

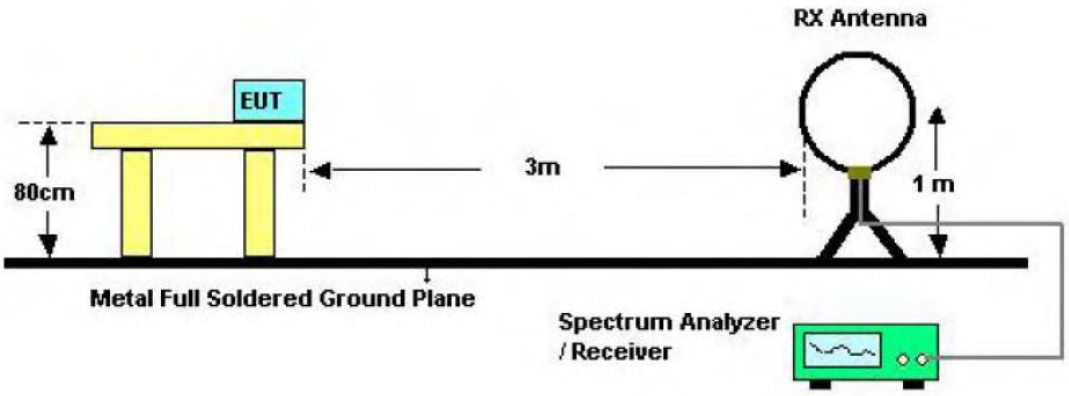
FCC CFR Title 47 Part 15 Subpart C Section 15.407(b)/ RSS-247 6.2.1.2 & RSS-247 6.2.4.2

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

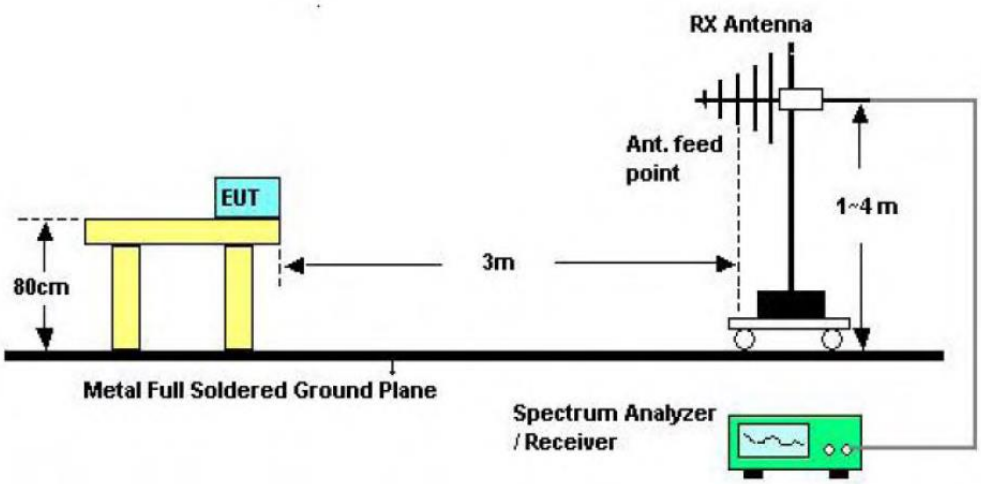
Note: 1. The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength: $E=\frac{1000000\sqrt{30P}}{3}$ uV/m, where P is the eirp (Watts)

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.

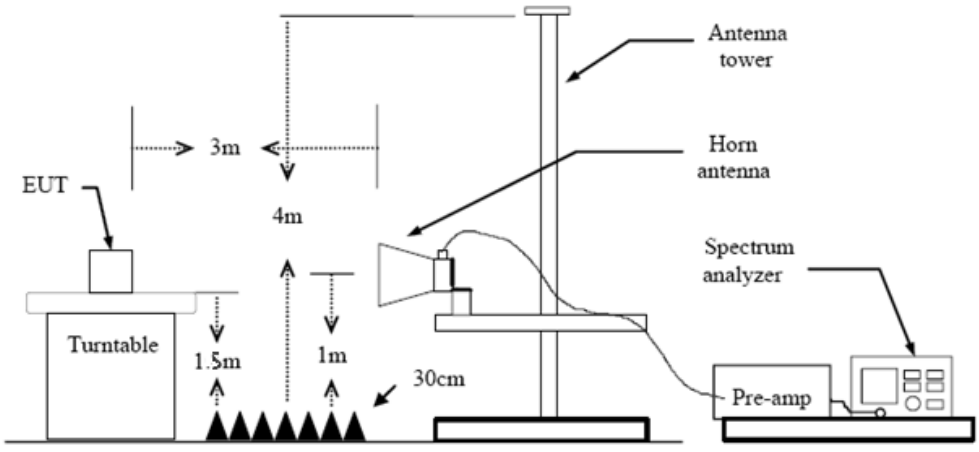
Test Configuration



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.

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) 9k – 150kHz:

RBW=300 Hz, VBW=1 kHz, Sweep=auto, Detector function=peak, Trace=max hold

(3) 0.15M – 30MHz:

RBW=10 kHz, VBW=30 kHz, Sweep=auto, Detector function=peak, Trace=max hold

(4) 30M - 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.

(5) From 1 GHz to 10th harmonic:

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 3.8 Duty Cycle.

Test Mode

Please refer to the clause 2.4.

Test Result

9 KHz~30 MHz

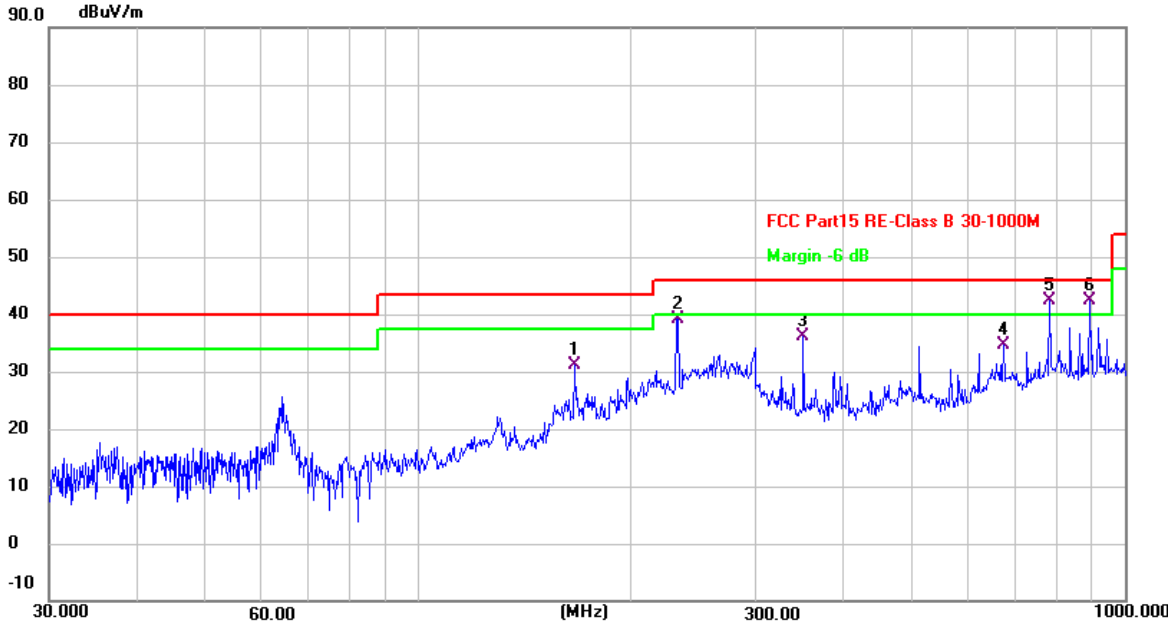
From 9 KHz to 30 MHz: Conclusion: PASS

Note:

1. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
2. Pre-scan all antenna, only show the test data for worse case antenna on the test report.

30MHz-1GHz

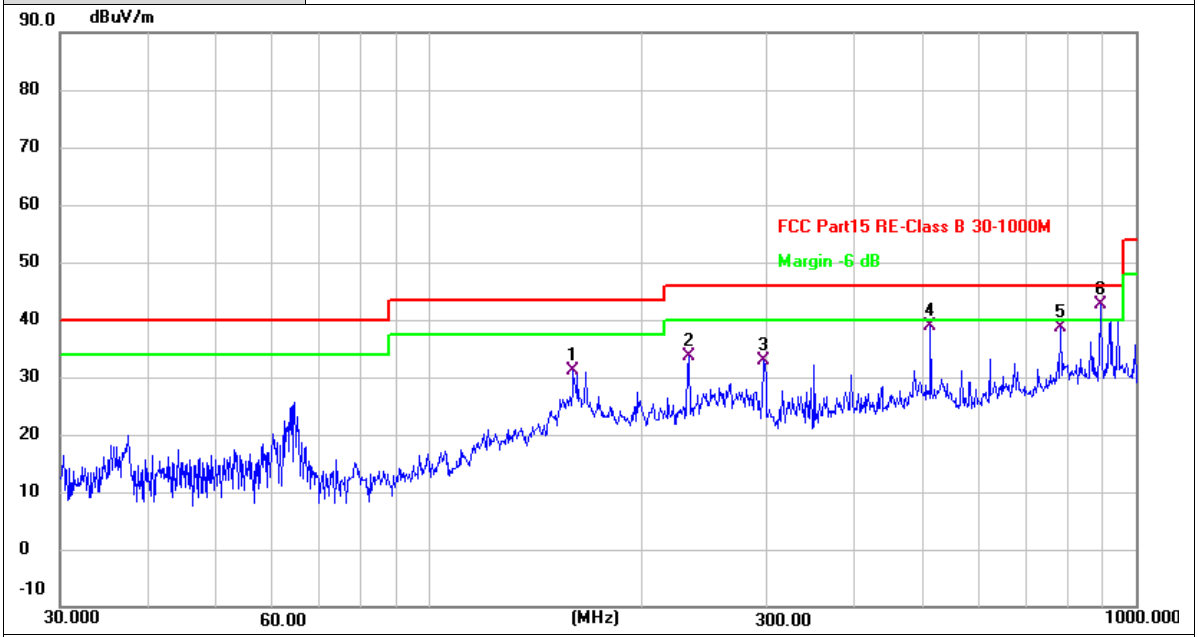
Ant No.:	ANT1
Ant. Pol.	Horizontal
Test Mode:	TX 802.11a Mode 5180MHz (U-NII-1)
Remark:	Only worse case is reported



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	166.0680	51.56	-20.48	31.08	43.50	-12.42	QP
2	233.3486	55.78	-16.72	39.06	46.00	-6.94	QP
3	350.4767	49.46	-13.34	36.12	46.00	-9.88	QP
4	672.8443	41.92	-7.32	34.60	46.00	-11.40	QP
5 *	782.3452	48.04	-5.59	42.45	46.00	-3.55	QP
6 !	890.7277	46.44	-4.15	42.29	46.00	-3.71	QP

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

Ant No.:	ANT1
Ant. Pol.	Vertical
Test Mode:	TX 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	159.7844	51.86	-20.76	31.10	43.50	-12.40	QP
2	233.3487	50.38	-16.72	33.66	46.00	-12.34	QP
3	297.2240	48.10	-15.14	32.96	46.00	-13.04	QP
4	511.8352	49.25	-10.28	38.97	46.00	-7.03	QP
5	782.3453	44.24	-5.59	38.65	46.00	-7.35	QP
6 *	890.7277	46.75	-4.15	42.60	46.00	-3.40	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.:	ANT1
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	4732.583	41.80	1.86	43.66	74.00	-30.34	peak
2	6612.583	39.42	7.60	47.02	74.00	-26.98	peak
3	8030.417	39.25	10.79	50.04	74.00	-23.96	peak
4	9193.667	39.12	12.34	51.46	74.00	-22.54	peak
5	10776.000	38.98	14.41	53.39	74.00	-20.61	peak
6 *	12491.500	37.93	15.76	53.69	74.00	-20.31	peak

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

Ant No.:	ANT1
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	1497.417	49.84	-6.88	42.96	74.00	-31.04	peak
2	3917.917	41.55	0.22	41.77	74.00	-32.23	peak
3	7247.083	39.31	10.04	49.35	74.00	-24.65	peak
4	9499.167	38.67	12.58	51.25	74.00	-22.75	peak
5	11253.833	38.69	14.79	53.48	74.00	-20.52	peak
6 *	12370.083	38.21	15.52	53.73	74.00	-20.27	peak

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

Ant No.:	ANT1
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)	Detector
1	1501.333	47.87	-6.88	40.99	74.00	-33.01	peak
2	6436.333	39.58	7.16	46.74	74.00	-27.26	peak
3	7944.250	39.12	10.74	49.86	74.00	-24.14	peak
4	9189.750	38.95	12.33	51.28	74.00	-22.72	peak
5	11155.917	38.65	14.74	53.39	74.00	-20.61	peak
6 *	12385.750	38.09	15.52	53.61	74.00	-20.39	peak

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

Ant No.:	ANT1
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	1497.417	52.48	-6.88	45.60	74.00	-28.40	peak
2	3968.833	41.78	0.42	42.20	74.00	-31.80	peak
3	6373.667	39.06	6.96	46.02	74.00	-27.98	peak
4	7995.167	38.90	10.86	49.76	74.00	-24.24	peak
5	9178.000	40.46	12.30	52.76	74.00	-21.24	peak
6 *	12233.000	38.08	15.69	53.77	74.00	-20.23	peak

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

Ant No.:	ANT1
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	4458.417	40.43	1.27	41.70	74.00	-32.30	peak
2	5985.917	39.42	5.60	45.02	74.00	-28.98	peak
3	7262.750	39.29	10.05	49.34	74.00	-24.66	peak
4	9213.250	38.66	12.38	51.04	74.00	-22.96	peak
5 *	10885.667	38.93	14.55	53.48	74.00	-20.52	peak
6	12135.083	37.76	15.63	53.39	74.00	-20.61	peak

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

Ant No.:	ANT1
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	1501.333	54.20	-6.88	47.32	74.00	-26.68	peak
2	4650.333	41.01	1.70	42.71	74.00	-31.29	peak
3	7967.750	39.67	10.80	50.47	74.00	-23.53	peak
4	9201.500	39.75	12.37	52.12	74.00	-21.88	peak
5 *	11179.417	38.94	14.75	53.69	74.00	-20.31	peak
6	12605.083	37.44	16.09	53.53	74.00	-20.47	peak

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

Ant No.:	ANT1 + ANT2
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	1195.833	51.05	-7.73	43.32	74.00	-30.68	peak
2	5809.667	39.52	4.96	44.48	74.00	-29.52	peak
3	7282.333	39.35	10.05	49.40	74.00	-24.60	peak
4	9228.917	39.24	12.39	51.63	74.00	-22.37	peak
5	11183.333	38.38	14.75	53.13	74.00	-20.87	peak
6 *	12428.833	38.08	15.58	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.:	ANT1 + ANT2
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	1493.500	50.08	-6.88	43.20	74.00	-30.80	peak
2	5974.167	40.41	5.56	45.97	74.00	-28.03	peak
3	7207.917	38.67	10.02	48.69	74.00	-25.31	peak
4	9131.000	38.78	12.14	50.92	74.00	-23.08	peak
5 *	10940.500	38.85	14.61	53.46	74.00	-20.54	peak
6	12244.750	37.70	15.67	53.37	74.00	-20.63	peak

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

Ant No.:	ANT1 + ANT2
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	1497.417	50.17	-6.88	43.29	74.00	-30.71	peak
2	3957.083	41.42	0.37	41.79	74.00	-32.21	peak
3	6436.333	38.68	7.16	45.84	74.00	-28.16	peak
4	8003.000	40.47	10.86	51.33	74.00	-22.67	peak
5	10521.417	38.88	13.96	52.84	74.00	-21.16	peak
6 *	12389.667	38.23	15.51	53.74	74.00	-20.26	peak

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

Ant No.:	ANT1 + ANT2
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	1497.417	49.86	-6.88	42.98	74.00	-31.02	peak
2	4991.083	41.01	2.25	43.26	74.00	-30.74	peak
3	6463.750	40.35	7.23	47.58	74.00	-26.42	peak
4	8441.667	39.16	10.62	49.78	74.00	-24.22	peak
5	11363.500	38.56	14.84	53.40	74.00	-20.60	peak
6 *	12225.167	37.87	15.69	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

Ant No.:	ANT1 + ANT2
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	1497.417	50.74	-6.88	43.86	74.00	-30.14	peak
2	5042.000	41.06	2.39	43.45	74.00	-30.55	peak
3	7207.917	39.15	10.02	49.17	74.00	-24.83	peak
4	8414.250	40.31	10.56	50.87	74.00	-23.13	peak
5	9914.333	39.21	13.08	52.29	74.00	-21.71	peak
6 *	11586.750	38.48	15.10	53.58	74.00	-20.42	peak

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

Ant No.:	ANT1 + ANT2
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	1497.417	53.80	-6.88	46.92	74.00	-27.08	peak
2	3890.500	41.21	0.11	41.32	74.00	-32.68	peak
3	5993.750	40.80	5.63	46.43	74.00	-27.57	peak
4	8367.250	40.15	10.51	50.66	74.00	-23.34	peak
5	9651.917	38.37	12.69	51.06	74.00	-22.94	peak
6 *	11641.583	38.36	15.12	53.48	74.00	-20.52	peak

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

Ant No.:	ANT1 + ANT2
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	1497.417	48.83	-6.88	41.95	74.00	-32.05	peak
2	6475.500	39.33	7.26	46.59	74.00	-27.41	peak
3	7909.000	39.17	10.67	49.84	74.00	-24.16	peak
4	9475.667	38.89	12.57	51.46	74.00	-22.54	peak
5	11132.417	38.03	14.73	52.76	74.00	-21.24	peak
6 *	12244.750	37.81	15.67	53.48	74.00	-20.52	peak

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

Ant No.:	ANT1 + ANT2
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	1497.417	50.29	-6.88	43.41	74.00	-30.59	peak
2	5171.250	40.35	2.78	43.13	74.00	-30.87	peak
3	7207.917	38.08	10.02	48.10	74.00	-25.90	peak
4	9886.917	39.27	13.04	52.31	74.00	-21.69	peak
5 *	10756.417	39.21	14.36	53.57	74.00	-20.43	peak
6	12452.333	37.87	15.65	53.52	74.00	-20.48	peak

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

Ant No.:	ANT1 + ANT2
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	1497.417	52.92	-6.88	46.04	74.00	-27.96	peak
2	4293.917	40.71	0.91	41.62	74.00	-32.38	peak
3	6440.250	40.29	7.17	47.46	74.00	-26.54	peak
4	8006.917	40.84	10.85	51.69	74.00	-22.31	peak
5	9722.417	38.75	12.81	51.56	74.00	-22.44	peak
6 *	11183.333	39.00	14.75	53.75	74.00	-20.25	peak

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

Ant No.:	ANT1 + ANT2
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	1195.833	50.16	-7.73	42.43	74.00	-31.57	peak
2	3917.917	41.39	0.22	41.61	74.00	-32.39	peak
3	5159.500	41.15	2.76	43.91	74.00	-30.09	peak
4	7924.667	40.22	10.71	50.93	74.00	-23.07	peak
5	10427.417	39.56	13.90	53.46	74.00	-20.54	peak
6 *	12440.583	38.14	15.61	53.75	74.00	-20.25	peak

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

Ant No.:	ANT1 + ANT2
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	1195.833	52.14	-7.73	44.41	74.00	-29.59	peak
2	5555.083	40.63	3.95	44.58	74.00	-29.42	peak
3	7274.500	40.44	10.05	50.49	74.00	-23.51	peak
4	9373.833	39.19	12.52	51.71	74.00	-22.29	peak
5	11108.917	38.32	14.72	53.04	74.00	-20.96	peak
6 *	12440.583	37.86	15.61	53.47	74.00	-20.53	peak

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

Ant No.:	ANT1 + ANT2
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	1493.500	51.15	-6.88	44.27	74.00	-29.73	peak
2	4004.083	40.57	0.54	41.11	74.00	-32.89	peak
3	5876.250	39.92	5.20	45.12	74.00	-28.88	peak
4	7697.500	39.55	10.24	49.79	74.00	-24.21	peak
5	9283.750	38.75	12.44	51.19	74.00	-22.81	peak
6 *	11300.833	38.91	14.81	53.72	74.00	-20.28	peak

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

Ant No.:	ANT1 + ANT2
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	1493.500	50.86	-6.88	43.98	74.00	-30.02	peak
2	5128.167	40.96	2.66	43.62	74.00	-30.38	peak
3	8003.000	39.46	10.86	50.32	74.00	-23.68	peak
4	9307.250	39.95	12.46	52.41	74.00	-21.59	peak
5	10920.917	38.89	14.58	53.47	74.00	-20.53	peak
6 *	12385.750	38.11	15.52	53.63	74.00	-20.37	peak

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

Ant No.:	ANT1 + ANT2
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	1497.417	50.13	-6.88	43.25	74.00	-30.75	peak
2	3921.833	41.16	0.24	41.40	74.00	-32.60	peak
3	7153.083	38.93	9.77	48.70	74.00	-25.30	peak
4	9185.833	38.48	12.31	50.79	74.00	-23.21	peak
5	10830.833	38.97	14.50	53.47	74.00	-20.53	peak
6 *	11770.833	38.56	15.10	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.:	ANT1 + ANT2
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	1497.417	53.90	-6.88	47.02	74.00	-26.98	peak
2	3890.500	41.71	0.11	41.82	74.00	-32.18	peak
3	7168.750	39.24	9.85	49.09	74.00	-24.91	peak
4	8261.500	39.65	10.41	50.06	74.00	-23.94	peak
5	10834.750	38.97	14.50	53.47	74.00	-20.53	peak
6 *	12558.083	37.54	15.95	53.49	74.00	-20.51	peak

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

Ant No.:	ANT1 + ANT2
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	1493.500	51.85	-6.88	44.97	74.00	-29.03	peak
2	3917.917	43.13	0.22	43.35	74.00	-30.65	peak
3	7215.750	40.10	10.03	50.13	74.00	-23.87	peak
4	9659.750	38.76	12.70	51.46	74.00	-22.54	peak
5	10478.333	38.72	13.93	52.65	74.00	-21.35	peak
6 *	11676.833	38.48	15.12	53.60	74.00	-20.40	peak

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

Ant No.:	ANT1 + ANT2
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	1493.500	49.91	-6.88	43.03	74.00	-30.97	peak
2	3902.250	41.86	0.16	42.02	74.00	-31.98	peak
3	7348.917	38.92	10.08	49.00	74.00	-25.00	peak
4	9197.583	39.13	12.35	51.48	74.00	-22.52	peak
5	10725.083	39.08	14.31	53.39	74.00	-20.61	peak
6 *	12119.417	38.05	15.61	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.:	ANT1 + ANT2
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	1497.417	51.13	-6.88	44.25	74.00	-29.75	peak
2	4501.500	41.11	1.37	42.48	74.00	-31.52	peak
3	8018.667	40.17	10.81	50.98	74.00	-23.02	peak
4	9166.250	39.73	12.26	51.99	74.00	-22.01	peak
5	10494.000	38.75	13.94	52.69	74.00	-21.31	peak
6 *	11712.083	38.43	15.12	53.55	74.00	-20.45	peak

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

Ant No.:	ANT1 + ANT2
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	4019.750	40.74	0.56	41.30	74.00	-32.70	peak
2	5559.000	40.63	3.96	44.59	74.00	-29.41	peak
3	7282.333	38.56	10.05	48.61	74.00	-25.39	peak
4	9307.250	39.26	12.46	51.72	74.00	-22.28	peak
5	10866.083	38.89	14.52	53.41	74.00	-20.59	peak
6 *	11954.917	38.35	15.37	53.72	74.00	-20.28	peak

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

Ant No.:	ANT1 + ANT2
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	1497.417	53.21	-6.88	46.33	74.00	-27.67	peak
2	4720.833	41.20	1.84	43.04	74.00	-30.96	peak
3	7200.083	39.78	10.02	49.80	74.00	-24.20	peak
4	9240.667	38.98	12.40	51.38	74.00	-22.62	peak
5 *	11175.500	38.95	14.75	53.70	74.00	-20.30	peak
6	12295.667	37.89	15.62	53.51	74.00	-20.49	peak

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

Ant No.:	ANT1 + ANT2
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	1493.500	50.56	-6.88	43.68	74.00	-30.32	peak
2	7196.167	39.86	10.00	49.86	74.00	-24.14	peak
3	8285.000	40.52	10.43	50.95	74.00	-23.05	peak
4	9804.667	38.98	12.94	51.92	74.00	-22.08	peak
5	11332.167	38.62	14.82	53.44	74.00	-20.56	peak
6 *	12503.250	37.88	15.78	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.:	ANT1 + ANT2
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	1199.750	51.37	-7.71	43.66	74.00	-30.34	peak
2	5120.333	40.19	2.63	42.82	74.00	-31.18	peak
3	7807.167	39.81	10.43	50.24	74.00	-23.76	peak
4	9154.500	39.07	12.22	51.29	74.00	-22.71	peak
5	10913.083	38.67	14.58	53.25	74.00	-20.75	peak
6 *	12330.917	38.07	15.57	53.64	74.00	-20.36	peak

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

Ant No.:	ANT1
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	1497.417	53.59	-6.88	46.71	74.00	-27.29	peak
2	5641.250	41.73	4.28	46.01	74.00	-27.99	peak
3	7721.000	38.32	10.28	48.60	74.00	-25.40	peak
4	9193.667	38.90	12.34	51.24	74.00	-22.76	peak
5	10870.000	38.37	14.52	52.89	74.00	-21.11	peak
6 *	12522.833	37.77	15.84	53.61	74.00	-20.39	peak

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

Ant No.:	ANT1
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	4297.833	41.50	0.93	42.43	74.00	-31.57	peak
2	5700.000	39.94	4.52	44.46	74.00	-29.54	peak
3	7098.250	39.46	9.47	48.93	74.00	-25.07	peak
4	8821.583	40.02	11.43	51.45	74.00	-22.55	peak
5 *	10858.250	39.02	14.52	53.54	74.00	-20.46	peak
6	12452.333	37.86	15.65	53.51	74.00	-20.49	peak

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

Ant No.:	ANT1
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	1070.500	51.62	-8.14	43.48	74.00	-30.52	peak
2	4748.250	41.26	1.89	43.15	74.00	-30.85	peak
3	6424.583	39.51	7.13	46.64	74.00	-27.36	peak
4	7627.000	39.09	10.11	49.20	74.00	-24.80	peak
5	9138.833	39.22	12.16	51.38	74.00	-22.62	peak
6 *	11390.917	38.78	14.85	53.63	74.00	-20.37	peak

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

Ant No.:	ANT1
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	1501.333	50.85	-6.88	43.97	74.00	-30.03	peak
2	4810.917	40.97	2.00	42.97	74.00	-31.03	peak
3	6408.917	39.54	7.09	46.63	74.00	-27.37	peak
4	8093.083	39.81	10.63	50.44	74.00	-23.56	peak
5	9734.167	39.94	12.82	52.76	74.00	-21.24	peak
6 *	11625.917	38.56	15.12	53.68	74.00	-20.32	peak

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

Ant No.:	ANT1
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	1505.250	48.67	-6.89	41.78	74.00	-32.22	peak
2	3843.500	41.55	-0.07	41.48	74.00	-32.52	peak
3	6444.167	39.69	7.18	46.87	74.00	-27.13	peak
4	7932.500	39.71	10.71	50.42	74.00	-23.58	peak
5	11081.500	38.27	14.71	52.98	74.00	-21.02	peak
6 *	12550.250	37.42	15.94	53.36	74.00	-20.64	peak

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

Ant No.:	ANT1
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	1497.417	54.34	-6.88	47.46	74.00	-26.54	peak
2	4803.083	41.17	1.99	43.16	74.00	-30.84	peak
3	7227.500	40.39	10.03	50.42	74.00	-23.58	peak
4	8715.833	39.55	11.25	50.80	74.00	-23.20	peak
5 *	11567.167	38.56	15.07	53.63	74.00	-20.37	peak
6	12558.083	37.65	15.95	53.60	74.00	-20.40	peak

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

Ant No.:	ANT1 + ANT2
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	1199.750	54.58	-7.71	46.87	74.00	-27.13	peak
2	5179.083	40.59	2.82	43.41	74.00	-30.59	peak
3	7215.750	40.63	10.03	50.66	74.00	-23.34	peak
4	9095.750	39.72	12.01	51.73	74.00	-22.27	peak
5 *	10713.333	39.12	14.28	53.40	74.00	-20.60	peak
6	12025.417	37.79	15.48	53.27	74.00	-20.73	peak

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

Ant No.:	ANT1 + ANT2
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	1497.417	50.10	-6.88	43.22	74.00	-30.78	peak
2	6405.000	39.14	7.08	46.22	74.00	-27.78	peak
3	7728.833	39.46	10.29	49.75	74.00	-24.25	peak
4	9205.417	38.42	12.37	50.79	74.00	-23.21	peak
5 *	10909.167	39.17	14.57	53.74	74.00	-20.26	peak
6	12150.750	38.00	15.66	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.:	ANT1 + ANT2
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	4395.750	41.11	1.11	42.22	74.00	-31.78	peak
2	6495.083	39.16	7.31	46.47	74.00	-27.53	peak
3	7764.083	39.76	10.36	50.12	74.00	-23.88	peak
4	8739.333	40.28	11.29	51.57	74.00	-22.43	peak
5	10262.917	39.22	13.67	52.89	74.00	-21.11	peak
6 *	12233.000	37.79	15.69	53.48	74.00	-20.52	peak

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

Ant No.:	ANT1 + ANT2
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	1497.417	53.26	-6.88	46.38	74.00	-27.62	peak
2	4027.583	41.47	0.57	42.04	74.00	-31.96	peak
3	5739.167	40.24	4.68	44.92	74.00	-29.08	peak
4	8034.333	40.98	10.78	51.76	74.00	-22.24	peak
5 *	10697.667	39.48	14.25	53.73	74.00	-20.27	peak
6	12526.750	37.62	15.85	53.47	74.00	-20.53	peak

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

Ant No.:	ANT1 + ANT2
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	1195.833	52.75	-7.73	45.02	74.00	-28.98	peak
2	5257.417	40.83	3.02	43.85	74.00	-30.15	peak
3	6346.250	39.14	6.85	45.99	74.00	-28.01	peak
4	8061.750	39.88	10.71	50.59	74.00	-23.41	peak
5 *	10866.083	39.21	14.52	53.73	74.00	-20.27	peak
6	12468.000	37.70	15.69	53.39	74.00	-20.61	peak

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

Ant No.:	ANT1 + ANT2
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	1493.500	50.29	-6.88	43.41	74.00	-30.59	peak
2	5629.500	40.96	4.23	45.19	74.00	-28.81	peak
3	7752.333	40.14	10.34	50.48	74.00	-23.52	peak
4	9256.333	38.92	12.42	51.34	74.00	-22.66	peak
5	11159.833	38.33	14.74	53.07	74.00	-20.93	peak
6 *	12072.417	37.95	15.55	53.50	74.00	-20.50	peak

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

Ant No.:	ANT1 + ANT2
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	1497.417	51.98	-6.88	45.10	74.00	-28.90	peak
2	4979.333	41.52	2.23	43.75	74.00	-30.25	peak
3	6436.333	40.34	7.16	47.50	74.00	-26.50	peak
4	8026.500	39.35	10.80	50.15	74.00	-23.85	peak
5	9366.000	39.21	12.51	51.72	74.00	-22.28	peak
6 *	11680.750	38.30	15.11	53.41	74.00	-20.59	peak

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

Ant No.:	ANT1 + ANT2
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	1497.417	50.18	-6.88	43.30	74.00	-30.70	peak
2	6358.000	39.50	6.89	46.39	74.00	-27.61	peak
3	8116.583	40.03	10.57	50.60	74.00	-23.40	peak
4	9111.417	39.32	12.07	51.39	74.00	-22.61	peak
5	10674.167	38.80	14.19	52.99	74.00	-21.01	peak
6 *	12064.583	38.05	15.54	53.59	74.00	-20.41	peak

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

Ant No.:	ANT1 + ANT2
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	1497.417	51.21	-6.88	44.33	74.00	-29.67	peak
2	4572.000	40.38	1.54	41.92	74.00	-32.08	peak
3	7207.917	40.34	10.02	50.36	74.00	-23.64	peak
4	9166.250	38.64	12.26	50.90	74.00	-23.10	peak
5	10302.083	39.60	13.74	53.34	74.00	-20.66	peak
6 *	12295.667	37.78	15.62	53.40	74.00	-20.60	peak

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

Ant No.:	ANT1 + ANT2
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	1497.417	55.72	-6.88	48.84	74.00	-25.16	peak
2	4387.917	41.32	1.11	42.43	74.00	-31.57	peak
3	7270.583	39.14	10.05	49.19	74.00	-24.81	peak
4	8473.000	39.85	10.68	50.53	74.00	-23.47	peak
5	10396.083	39.07	13.88	52.95	74.00	-21.05	peak
6 *	12076.333	37.83	15.55	53.38	74.00	-20.62	peak

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

Ant No.:	ANT1 + ANT2
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	1086.167	50.77	-8.09	42.68	74.00	-31.32	peak
2	4015.833	40.88	0.56	41.44	74.00	-32.56	peak
3	6420.667	39.37	7.12	46.49	74.00	-27.51	peak
4	7697.500	39.35	10.24	49.59	74.00	-24.41	peak
5	9957.417	38.43	13.13	51.56	74.00	-22.44	peak
6 *	11962.750	38.38	15.38	53.76	74.00	-20.24	peak

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

Ant No.:	ANT1 + ANT2
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	1501.333	55.36	-6.88	48.48	74.00	-25.52	peak
2	5578.583	40.10	4.04	44.14	74.00	-29.86	peak
3	7290.167	39.08	10.05	49.13	74.00	-24.87	peak
4	9256.333	39.73	12.42	52.15	74.00	-21.85	peak
5	10807.333	38.92	14.46	53.38	74.00	-20.62	peak
6 *	11994.083	38.23	15.44	53.67	74.00	-20.33	peak

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

Ant No.:	ANT1 + ANT2
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.

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	3816.083	41.26	-0.18	41.08	74.00	-32.92	peak
2	5966.333	40.32	5.53	45.85	74.00	-28.15	peak
3	7196.167	39.37	10.00	49.37	74.00	-24.63	peak
4	8790.250	39.98	11.39	51.37	74.00	-22.63	peak
5	10791.667	38.40	14.44	52.84	74.00	-21.16	peak
6 *	12464.083	37.89	15.68	53.57	74.00	-20.43	peak

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

Ant No.:	ANT1 + ANT2
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	1497.417	52.12	-6.88	45.24	74.00	-28.76	peak
2	3765.167	42.75	-0.34	42.41	74.00	-31.59	peak
3	7176.583	39.39	9.89	49.28	74.00	-24.72	peak
4	9244.583	40.11	12.41	52.52	74.00	-21.48	peak
5 *	11257.750	38.73	14.79	53.52	74.00	-20.48	peak
6	12710.833	37.17	16.34	53.51	74.00	-20.49	peak

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

Ant No.:	ANT1 + ANT2
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	1199.750	52.90	-7.71	45.19	74.00	-28.81	peak
2	4133.333	42.25	0.67	42.92	74.00	-31.08	peak
3	5974.167	39.53	5.56	45.09	74.00	-28.91	peak
4	7995.167	39.44	10.86	50.30	74.00	-23.70	peak
5	10803.417	39.03	14.46	53.49	74.00	-20.51	peak
6 *	12468.000	37.90	15.69	53.59	74.00	-20.41	peak

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

Ant No.:	ANT1 + ANT2
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	1493.500	49.20	-6.88	42.32	74.00	-31.68	peak
2	5723.500	40.34	4.62	44.96	74.00	-29.04	peak
3	8003.000	40.38	10.86	51.24	74.00	-22.76	peak
4	9025.250	39.88	11.77	51.65	74.00	-22.35	peak
5 *	10353.000	39.66	13.82	53.48	74.00	-20.52	peak
6	12413.167	37.91	15.53	53.44	74.00	-20.56	peak

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

Ant No.:	ANT1 + ANT2
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	4434.917	40.67	1.22	41.89	74.00	-32.11	peak
2	7000.333	39.37	8.94	48.31	74.00	-25.69	peak
3	8061.750	38.62	10.71	49.33	74.00	-24.67	peak
4	9644.083	40.38	12.67	53.05	74.00	-20.95	peak
5 *	10815.167	39.01	14.47	53.48	74.00	-20.52	peak
6	12021.500	37.98	15.48	53.46	74.00	-20.54	peak

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

Ant No.:	ANT1 + ANT2
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	1199.750	50.40	-7.71	42.69	74.00	-31.31	peak
2	3929.667	40.76	0.26	41.02	74.00	-32.98	peak
3	6060.333	40.69	5.83	46.52	74.00	-27.48	peak
4	7959.917	39.38	10.78	50.16	74.00	-23.84	peak
5	10008.333	39.07	13.20	52.27	74.00	-21.73	peak
6 *	11434.000	38.76	14.89	53.65	74.00	-20.35	peak

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

Ant No.:	ANT1 + ANT2
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	1493.500	51.55	-6.88	44.67	74.00	-29.33	peak
2	3867.000	41.23	0.02	41.25	74.00	-32.75	peak
3	5817.500	40.87	5.00	45.87	74.00	-28.13	peak
4	8120.500	39.45	10.56	50.01	74.00	-23.99	peak
5	9291.583	38.81	12.45	51.26	74.00	-22.74	peak
6 *	11567.167	38.49	15.07	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

Ant No.:	ANT1 + ANT2
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	1493.500	48.97	-6.88	42.09	74.00	-31.91	peak
2	4274.333	41.77	0.88	42.65	74.00	-31.35	peak
3	7235.333	40.47	10.03	50.50	74.00	-23.50	peak
4	8449.500	40.59	10.63	51.22	74.00	-22.78	peak
5	10466.583	39.05	13.92	52.97	74.00	-21.03	peak
6 *	11551.500	38.64	15.05	53.69	74.00	-20.31	peak

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

Ant No.:	ANT1 + ANT2
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	1497.417	48.38	-6.88	41.50	74.00	-32.50	peak
2	5609.917	39.99	4.15	44.14	74.00	-29.86	peak
3	7188.333	39.39	9.95	49.34	74.00	-24.66	peak
4	9193.667	40.00	12.34	52.34	74.00	-21.66	peak
5	10341.250	39.23	13.80	53.03	74.00	-20.97	peak
6 *	12037.167	38.10	15.50	53.60	74.00	-20.40	peak

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

Ant No.:	ANT1 + ANT2
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	1493.500	49.29	-6.88	42.41	74.00	-31.59	peak
2	3588.917	42.50	-0.86	41.64	74.00	-32.36	peak
3	4893.167	40.51	2.11	42.62	74.00	-31.38	peak
4	6338.417	39.59	6.81	46.40	74.00	-27.60	peak
5	8813.750	39.91	11.43	51.34	74.00	-22.66	peak
6 *	11183.333	38.78	14.75	53.53	74.00	-20.47	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

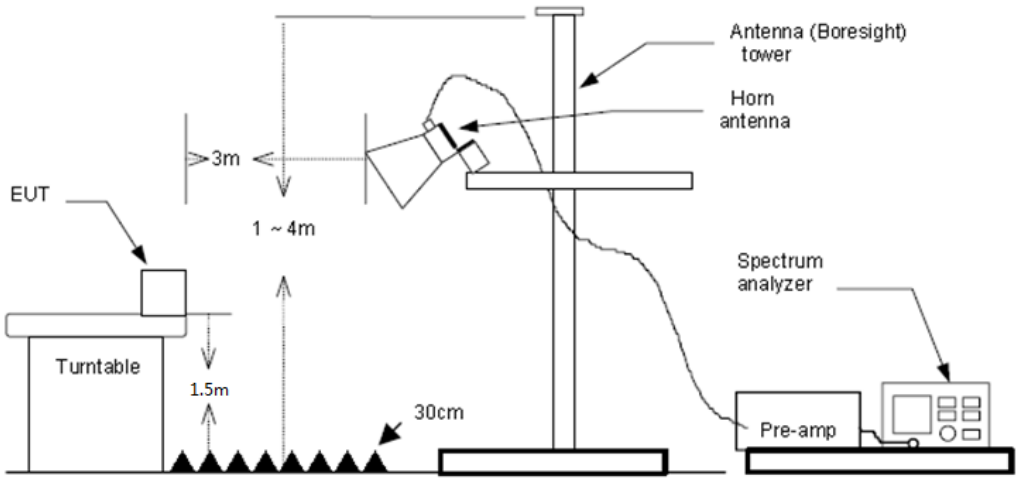
FCC CFR Title 47 Part 15 Subpart C Section 15.407(b)/ RSS-247 6.2.1.2 & RSS-247 6.2.4.2

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 Duty Cycle.

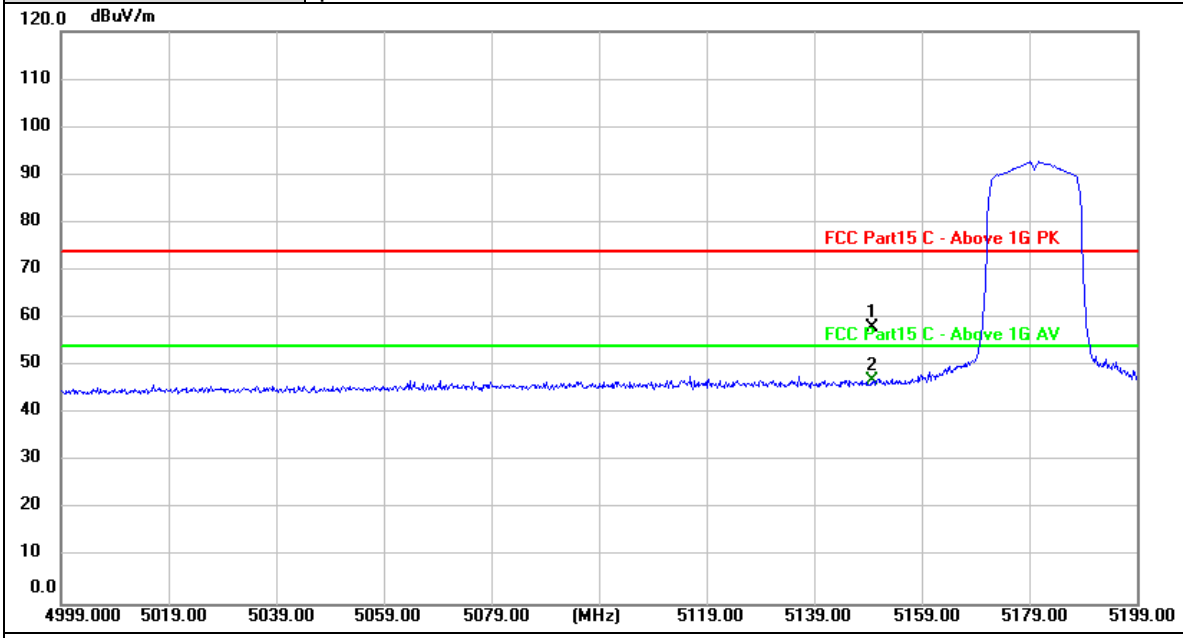
Test Mode

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.

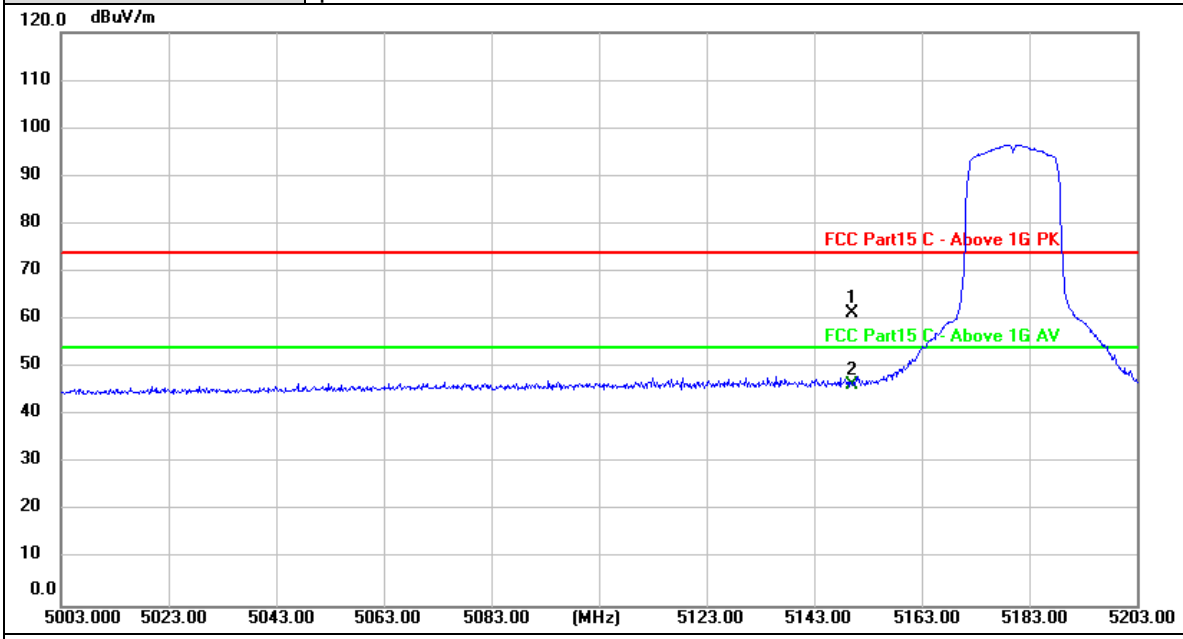
Ant No.:	ANT1
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11a Mode 5180MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	20.85	37.18	58.03	74.00	-15.97	peak
2 *	5150.000	9.75	37.18	46.93	54.00	-7.07	AVG

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

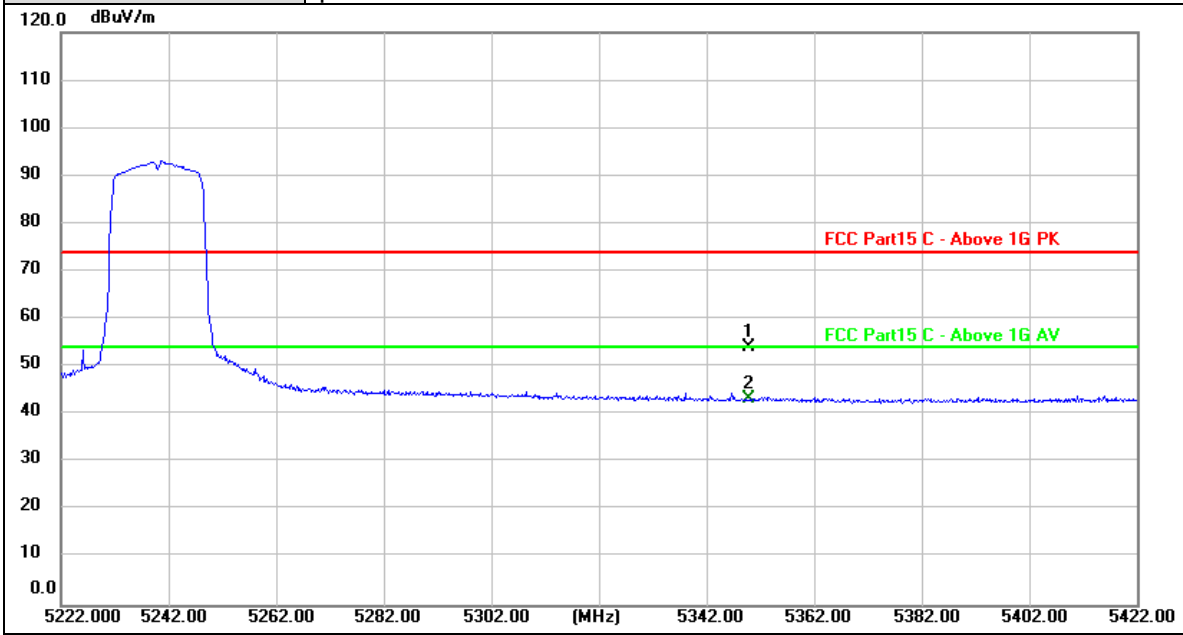
Ant No.:	ANT1
Ant. Pol.:	Vertical
Test Mode:	TX 802.11a Mode 5180MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	24.27	37.18	61.45	74.00	-12.55	peak
2 *	5150.000	9.10	37.18	46.28	54.00	-7.72	AVG

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

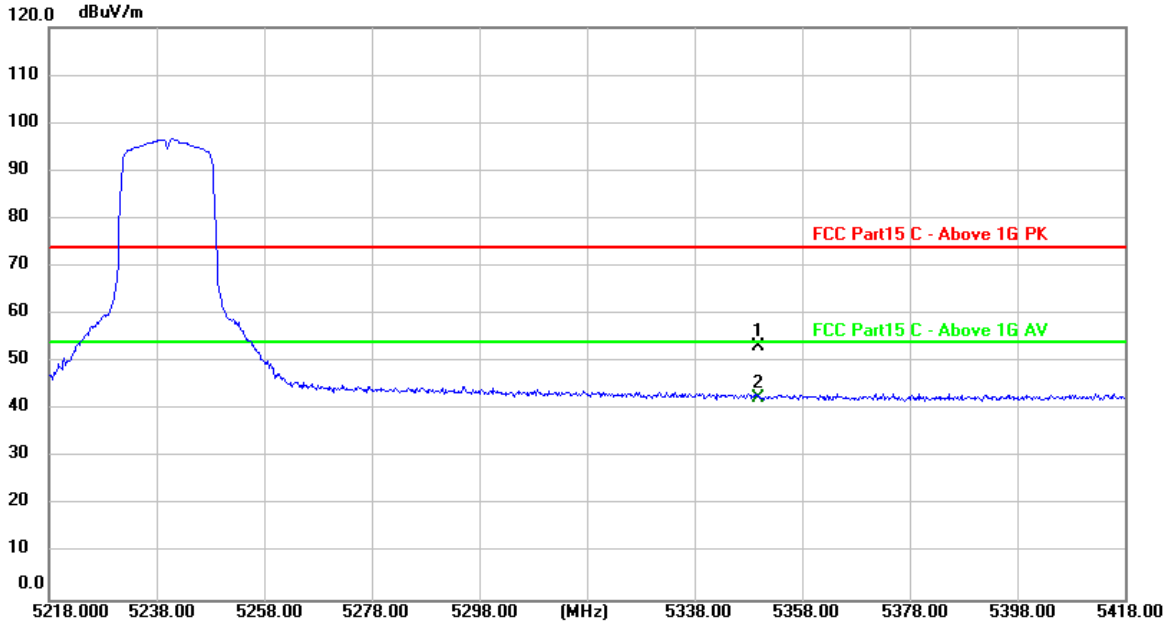
Ant No.:	ANT1
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11a Mode 5240MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5350.000	16.70	37.40	54.10	74.00	-19.90	peak
2 *	5350.000	5.88	37.40	43.28	54.00	-10.72	AVG

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

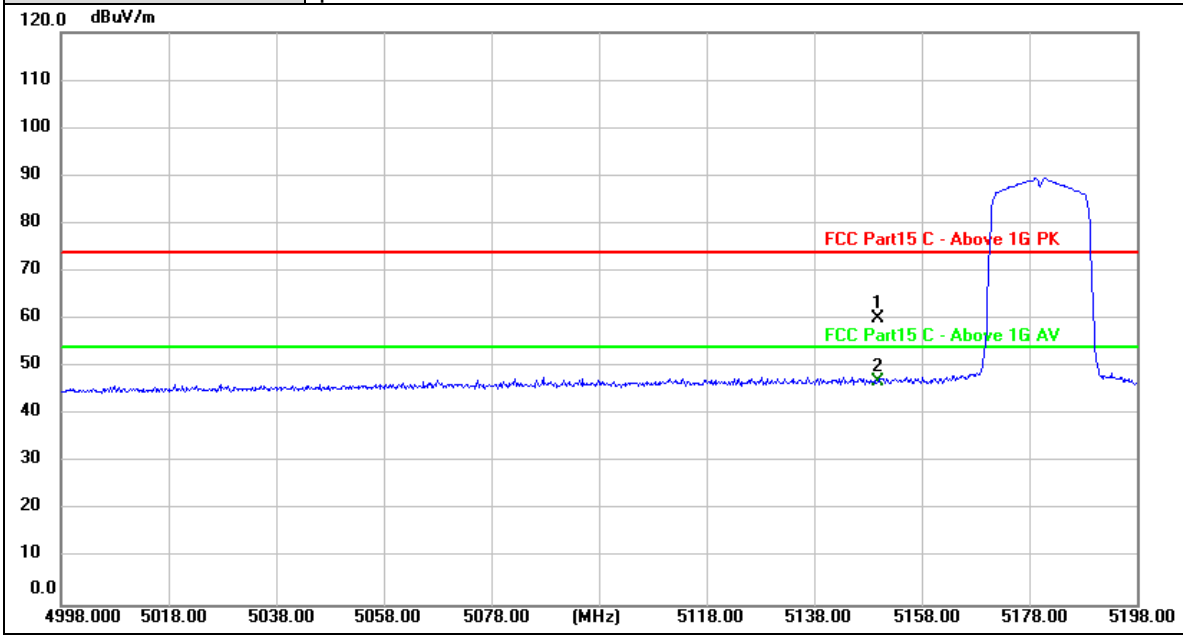
Ant No.:	ANT1
Ant. Pol.:	Vertical
Test Mode:	TX 802.11a Mode 5240MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5350.000	15.82	37.40	53.22	74.00	-20.78	peak
2 *	5350.000	5.08	37.40	42.48	54.00	-11.52	AVG

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

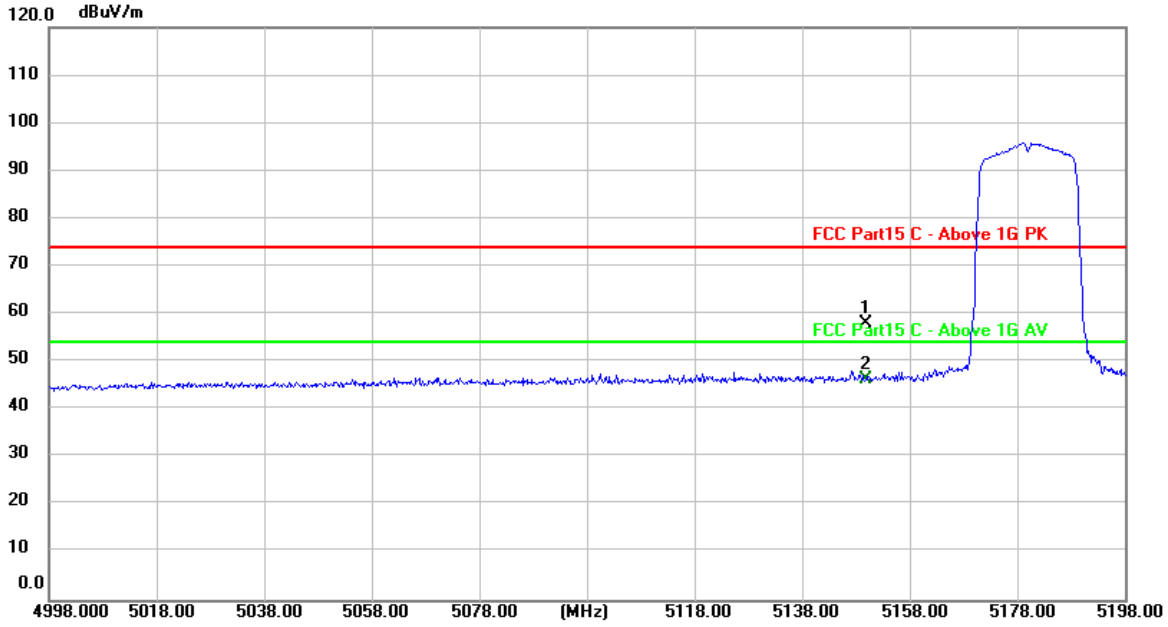
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11n(HT20) Mode 5180MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	22.83	37.18	60.01	74.00	-13.99	peak
2 *	5150.000	9.84	37.18	47.02	54.00	-6.98	AVG

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

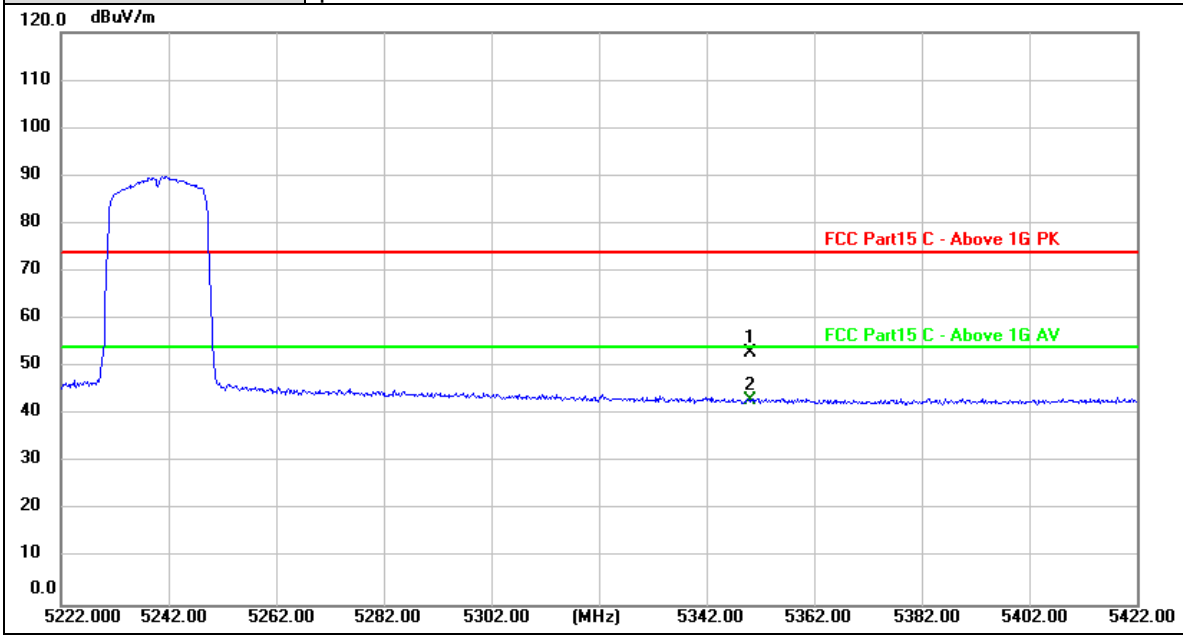
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11n(HT20) Mode 5180MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	20.92	37.18	58.10	74.00	-15.90	peak
2 *	5150.000	9.13	37.18	46.31	54.00	-7.69	AVG

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

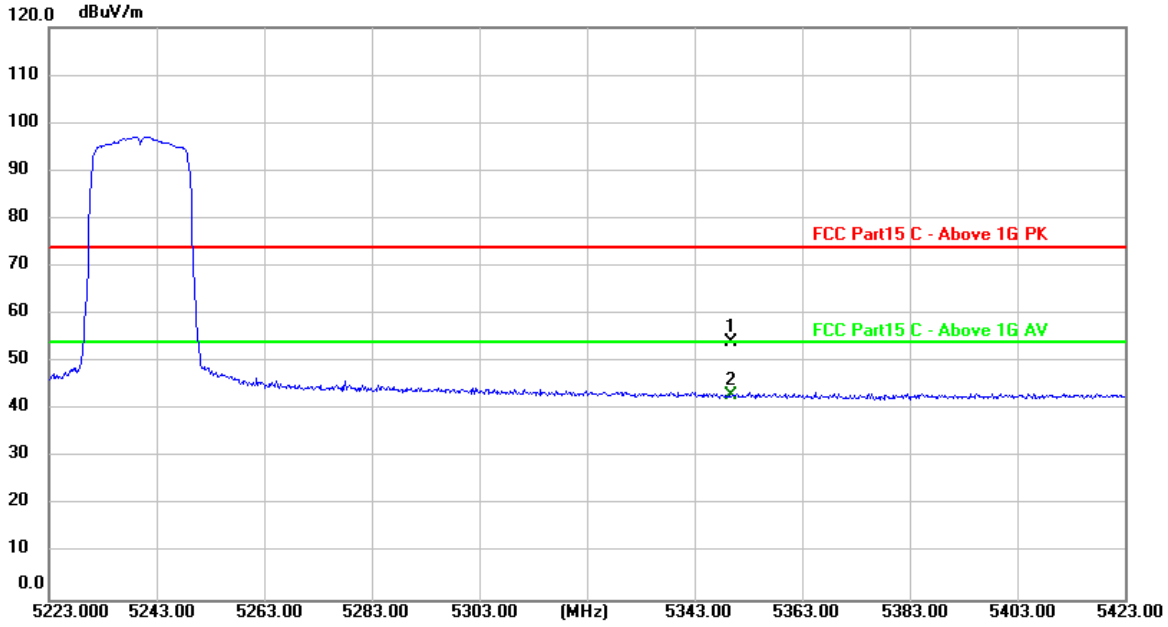
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11n(HT20) Mode 5240MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5350.000	15.44	37.40	52.84	74.00	-21.16	peak
2 *	5350.000	5.55	37.40	42.95	54.00	-11.05	AVG

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

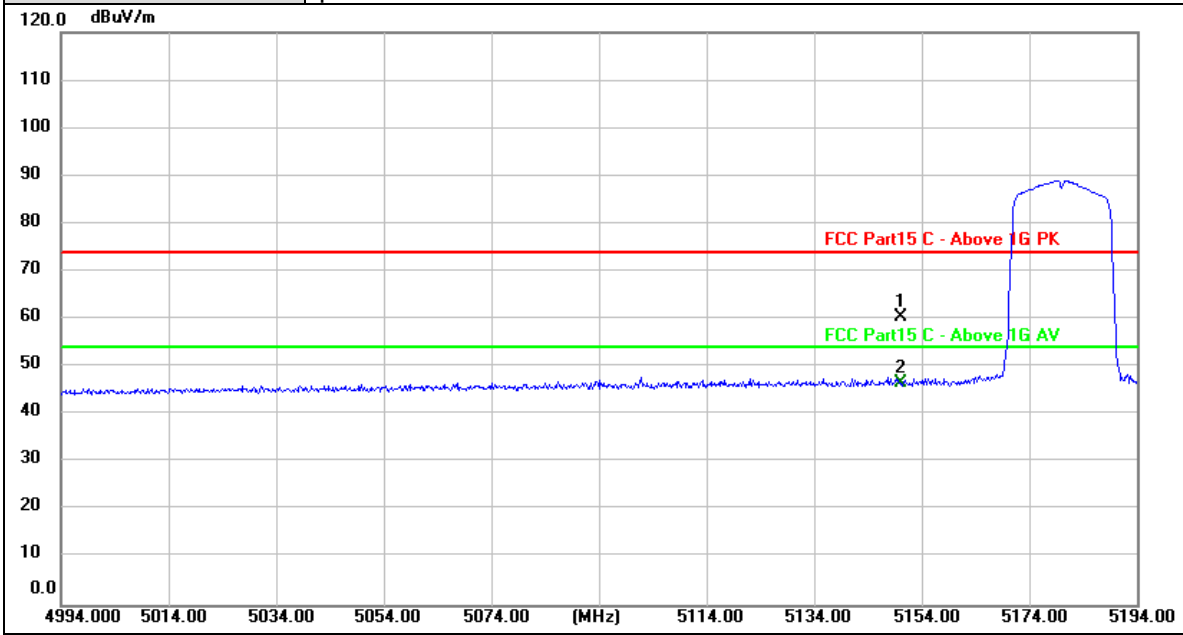
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11n(HT20) Mode 5240MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5350.000	16.73	37.40	54.13	74.00	-19.87	peak
2 *	5350.000	5.51	37.40	42.91	54.00	-11.09	AVG

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

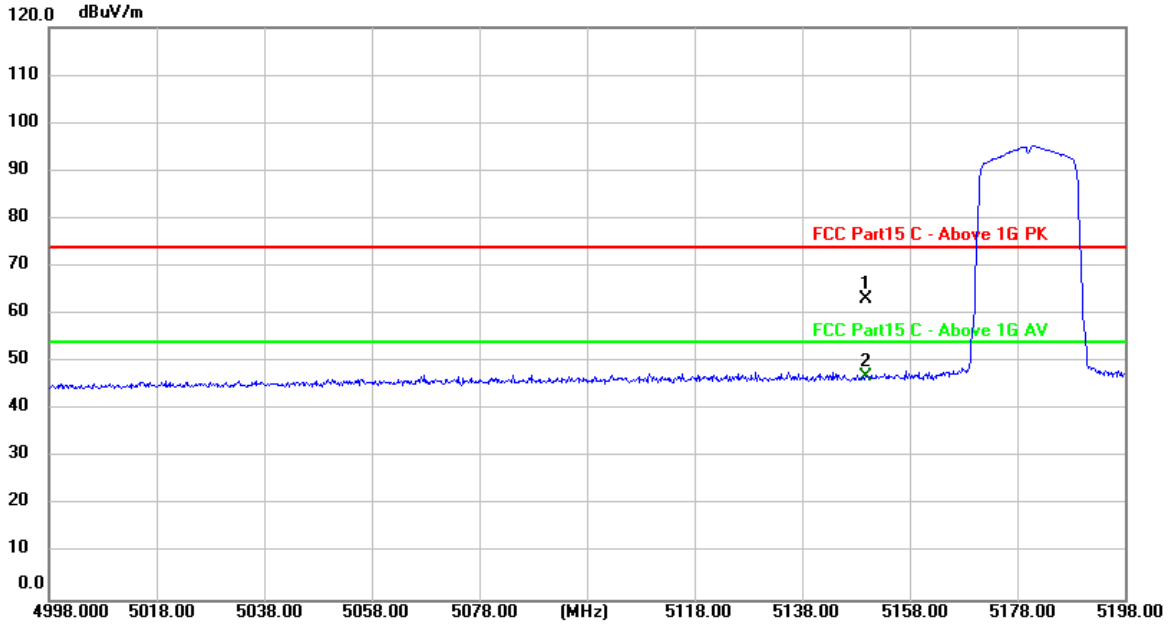
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11ac(VHT20) Mode 5180MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	23.32	37.18	60.50	74.00	-13.50	peak
2 *	5150.000	9.62	37.18	46.80	54.00	-7.20	AVG

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

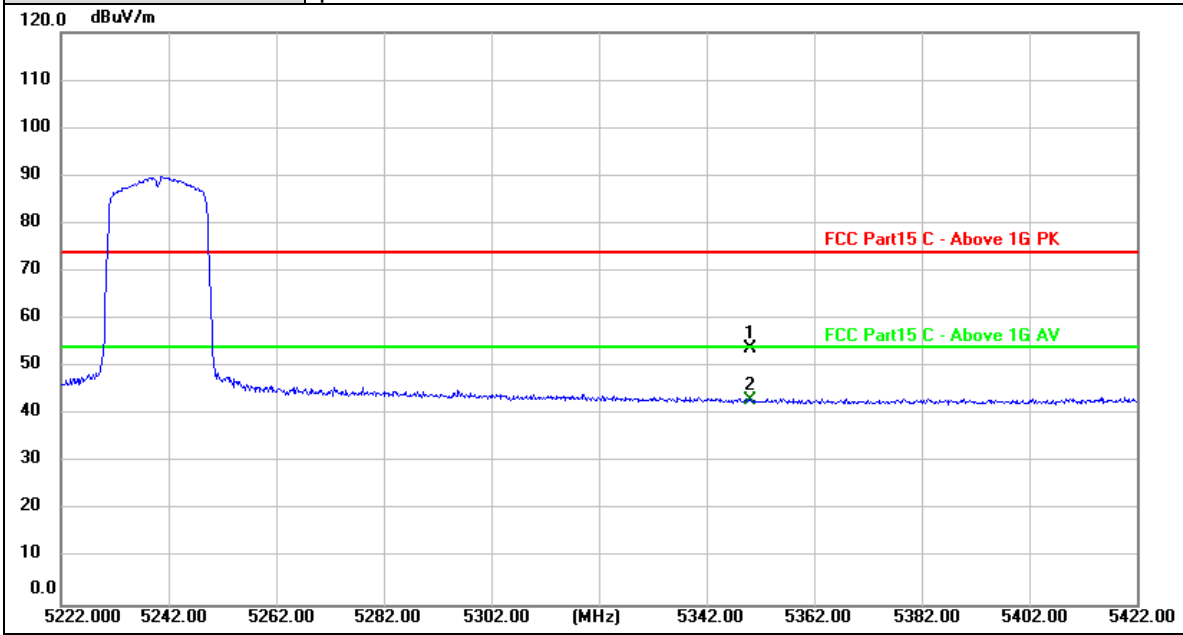
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11ac(VHT20) Mode 5180MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	26.00	37.18	63.18	74.00	-10.82	peak
2 *	5150.000	9.64	37.18	46.82	54.00	-7.18	AVG

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

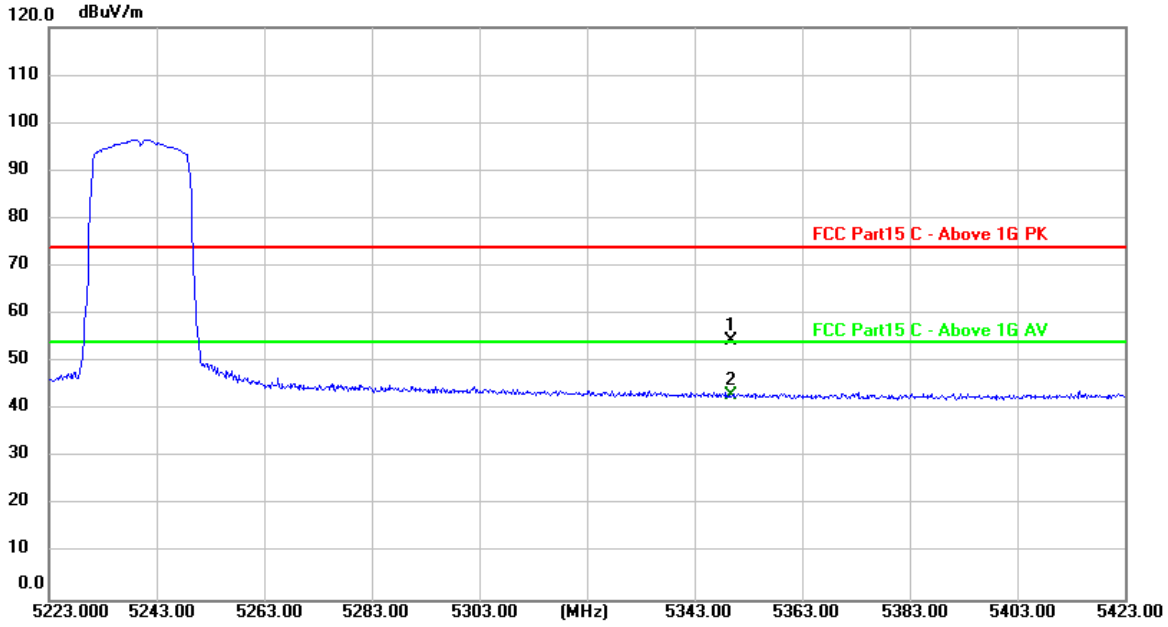
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11ac(VHT20) Mode 5240MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5350.000	16.37	37.40	53.77	74.00	-20.23	peak
2 *	5350.000	5.52	37.40	42.92	54.00	-11.08	AVG

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

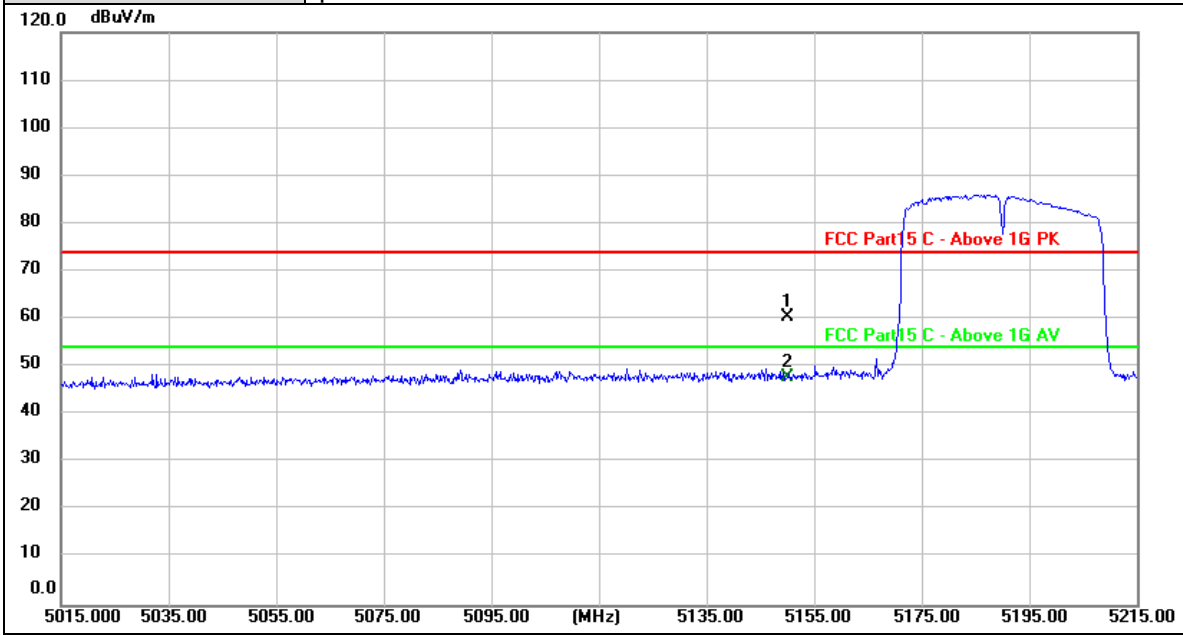
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11ac(VHT20) Mode 5240MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5350.000	17.04	37.40	54.44	74.00	-19.56	peak
2 *	5350.000	5.75	37.40	43.15	54.00	-10.85	AVG

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

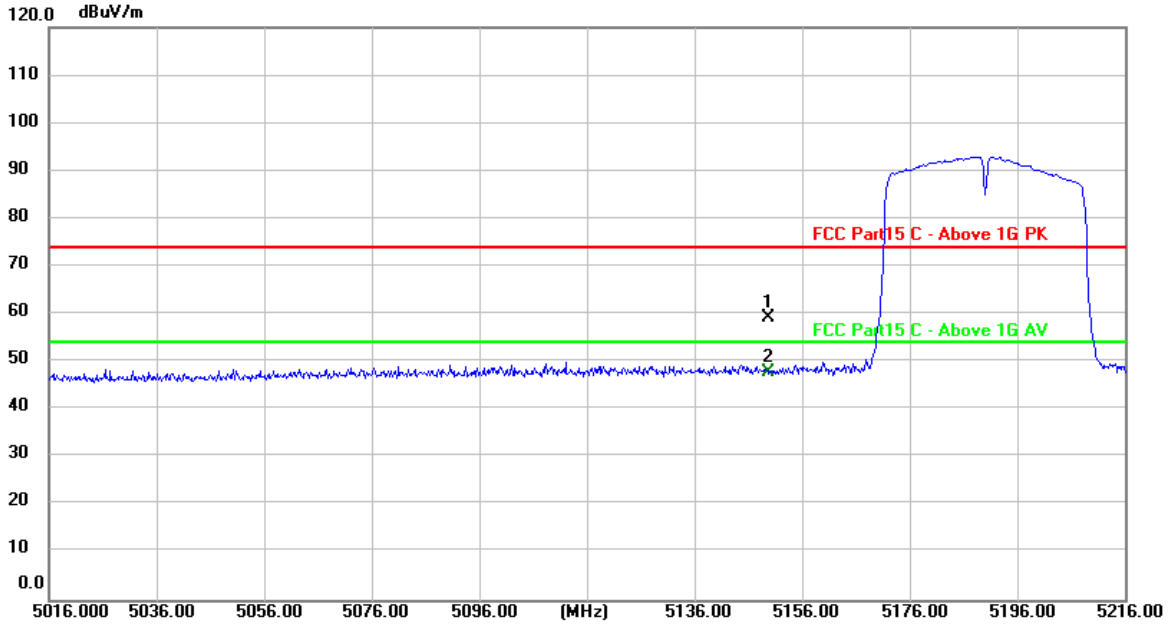
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11n(HT40) Mode 5190MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	23.17	37.18	60.35	74.00	-13.65	peak
2 *	5150.000	10.56	37.18	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

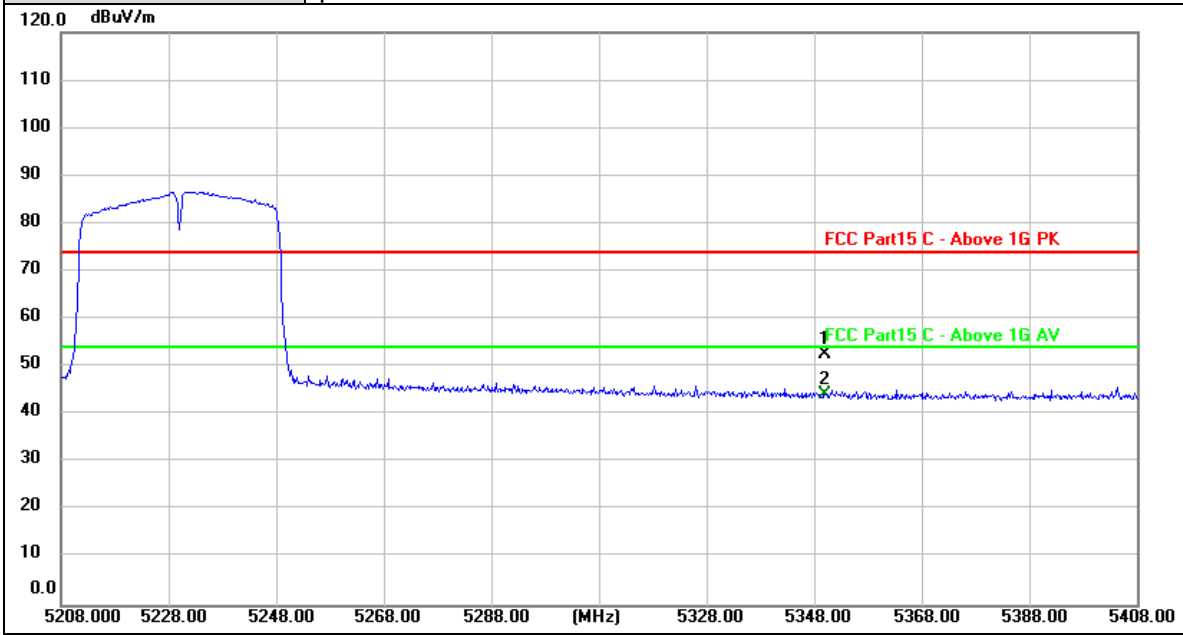
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11n(HT40) Mode 5190MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	22.07	37.18	59.25	74.00	-14.75	peak
2 *	5150.000	10.75	37.18	47.93	54.00	-6.07	AVG

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

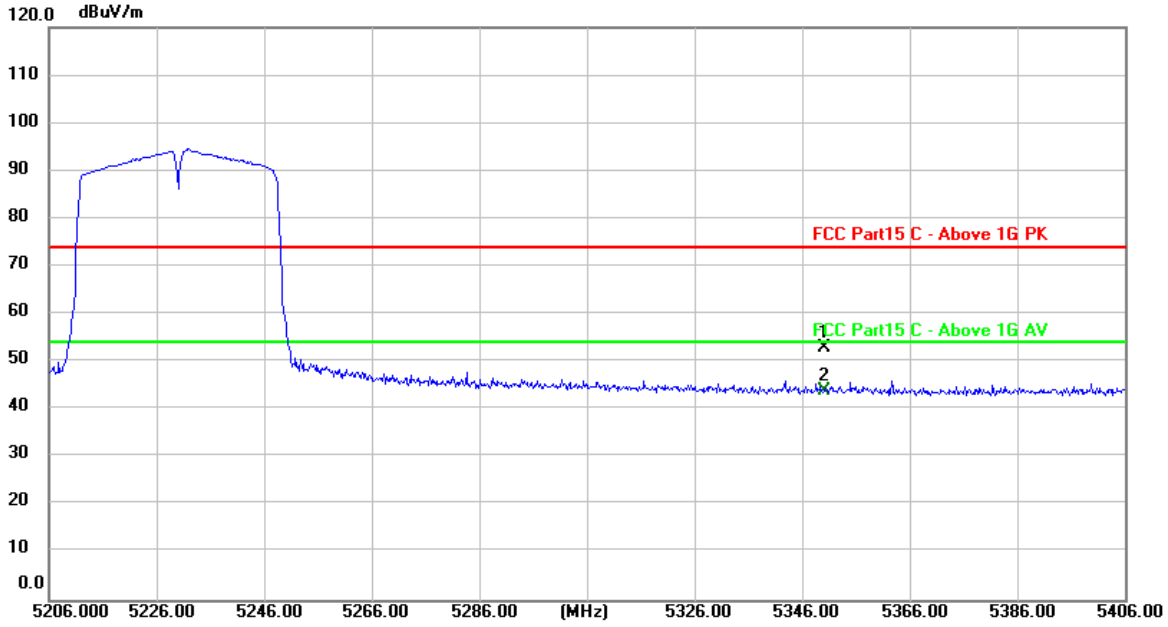
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11n(HT40) Mode 5230MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5350.000	15.35	37.40	52.75	74.00	-21.25	peak
2 *	5350.000	6.75	37.40	44.15	54.00	-9.85	AVG

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

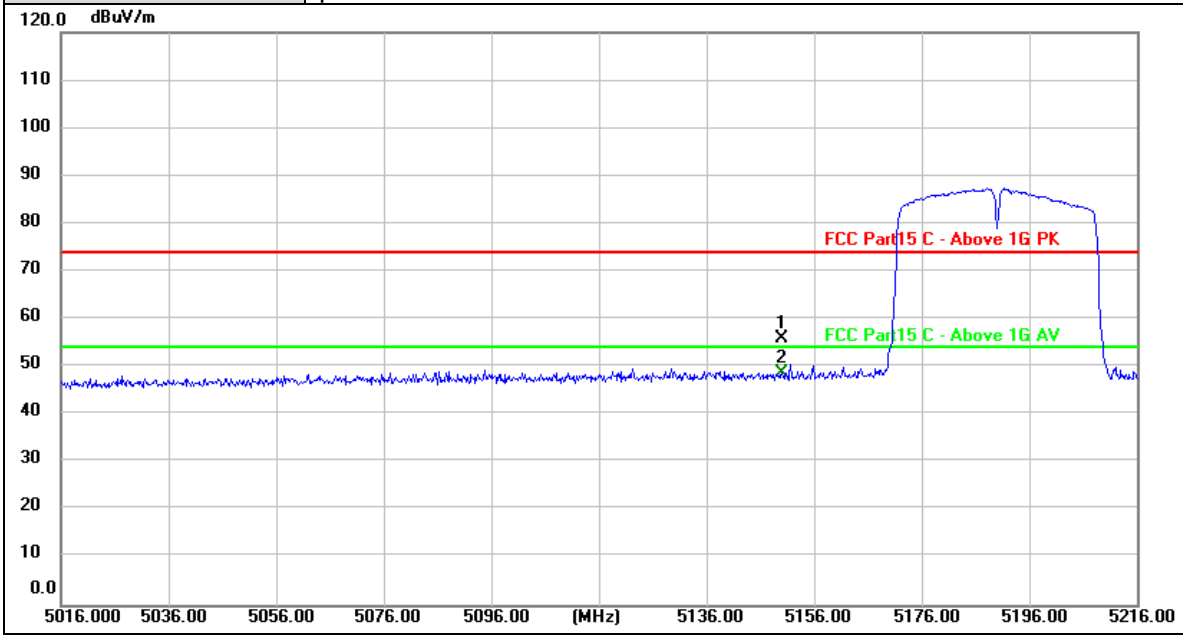
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11n(HT40) Mode 5230MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5350.000	15.41	37.40	52.81	74.00	-21.19	peak
2 *	5350.000	6.58	37.40	43.98	54.00	-10.02	AVG

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

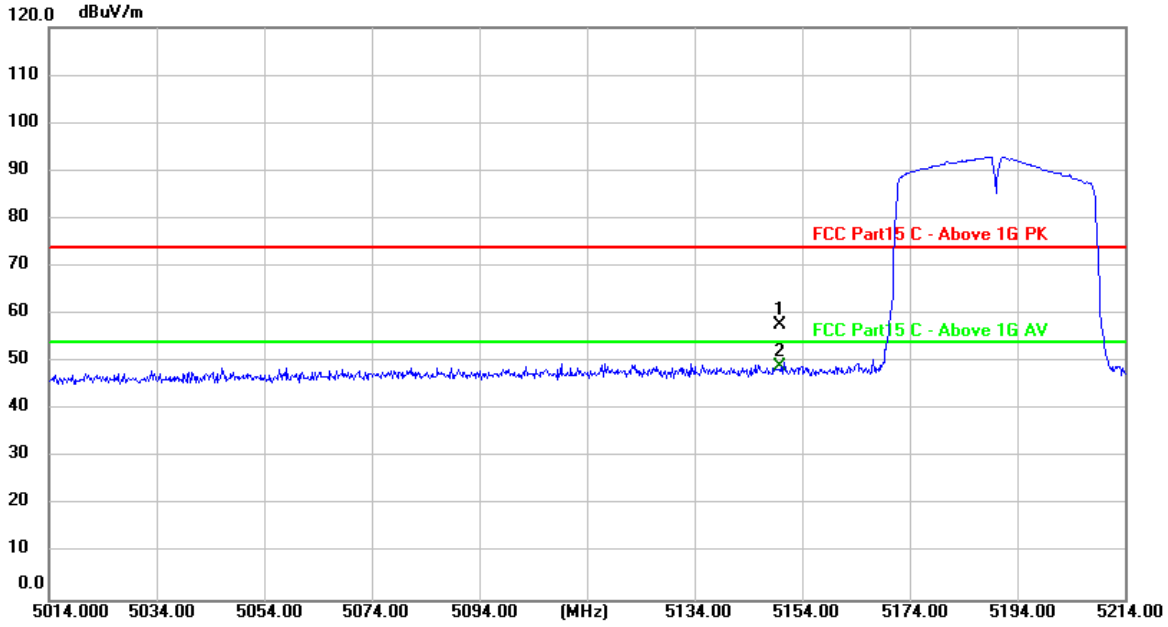
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11ac(VHT40) Mode 5190MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	18.83	37.18	56.01	74.00	-17.99	peak
2 *	5150.000	11.48	37.18	48.66	54.00	-5.34	AVG

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

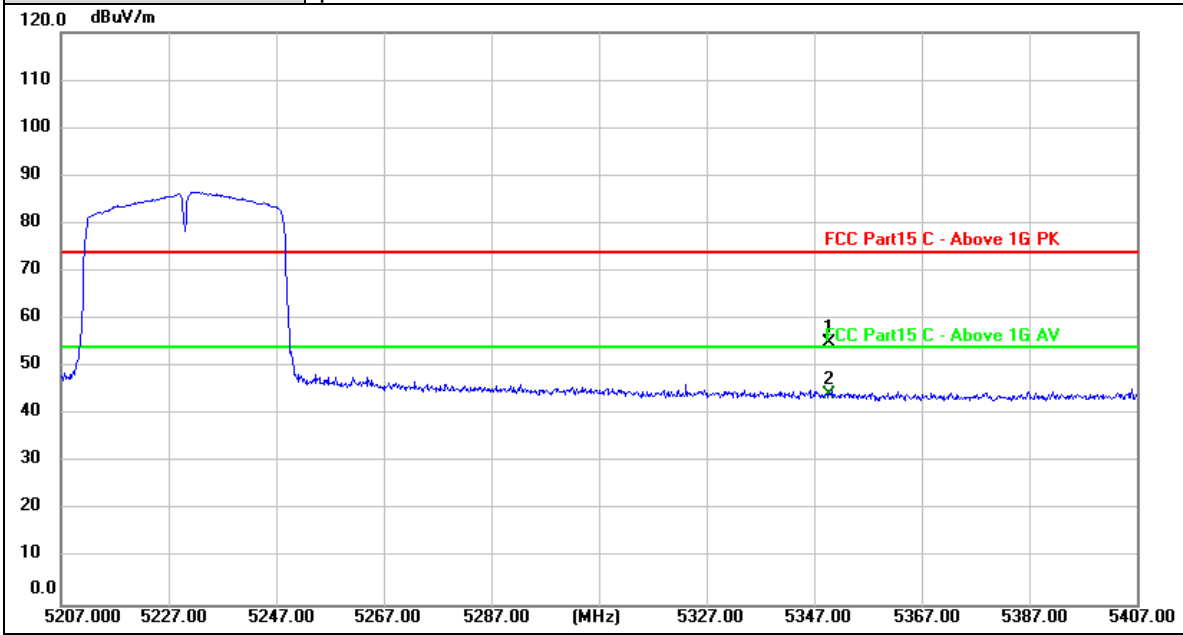
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11ac(VHT40) Mode 5190MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	20.51	37.18	57.69	74.00	-16.31	peak
2 *	5150.000	12.01	37.18	49.19	54.00	-4.81	AVG

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

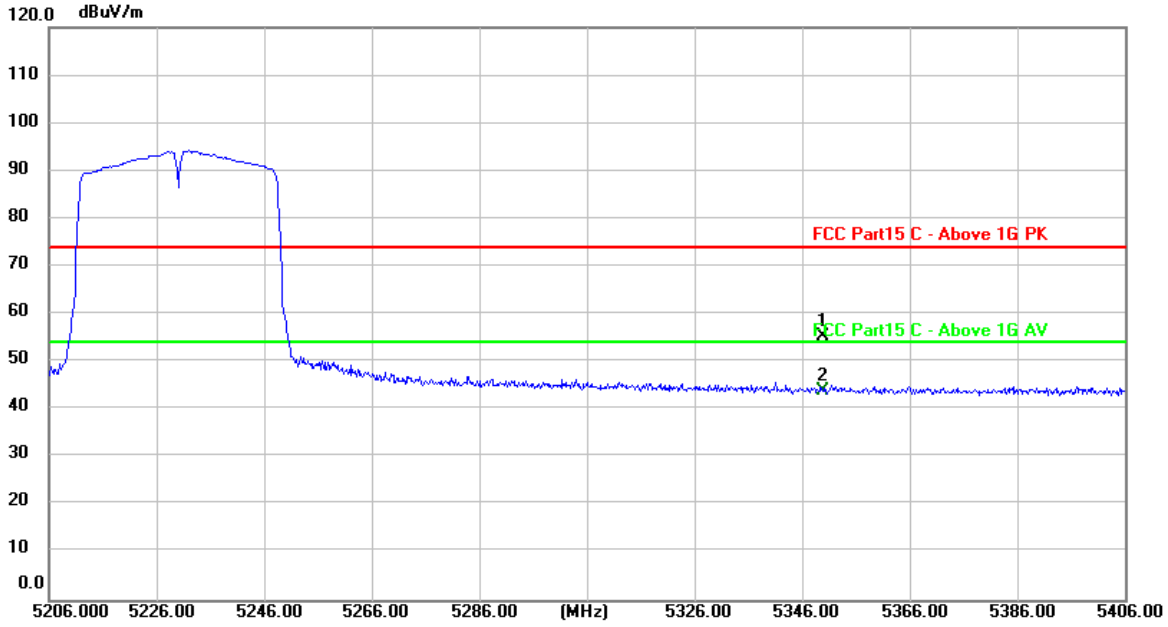
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11ac(VHT40) Mode 5230MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5350.000	17.53	37.40	54.93	74.00	-19.07	peak
2 *	5350.000	6.86	37.40	44.26	54.00	-9.74	AVG

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

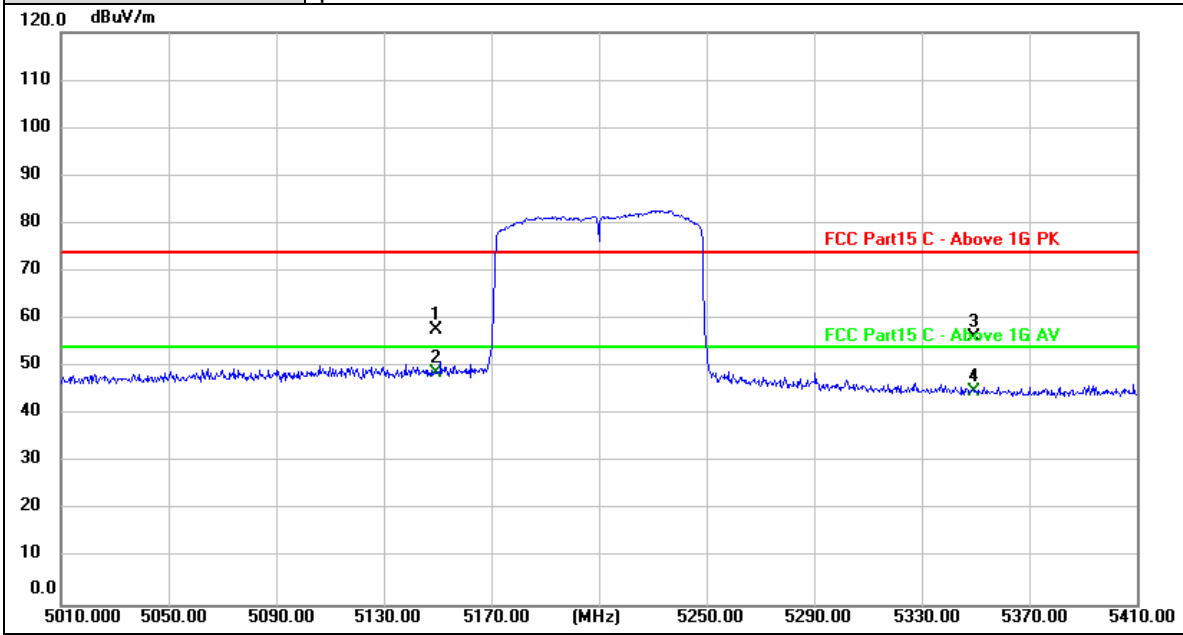
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11ac(VHT40) Mode 5230MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5350.000	18.03	37.40	55.43	74.00	-18.57	peak
2 *	5350.000	6.56	37.40	43.96	54.00	-10.04	AVG

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

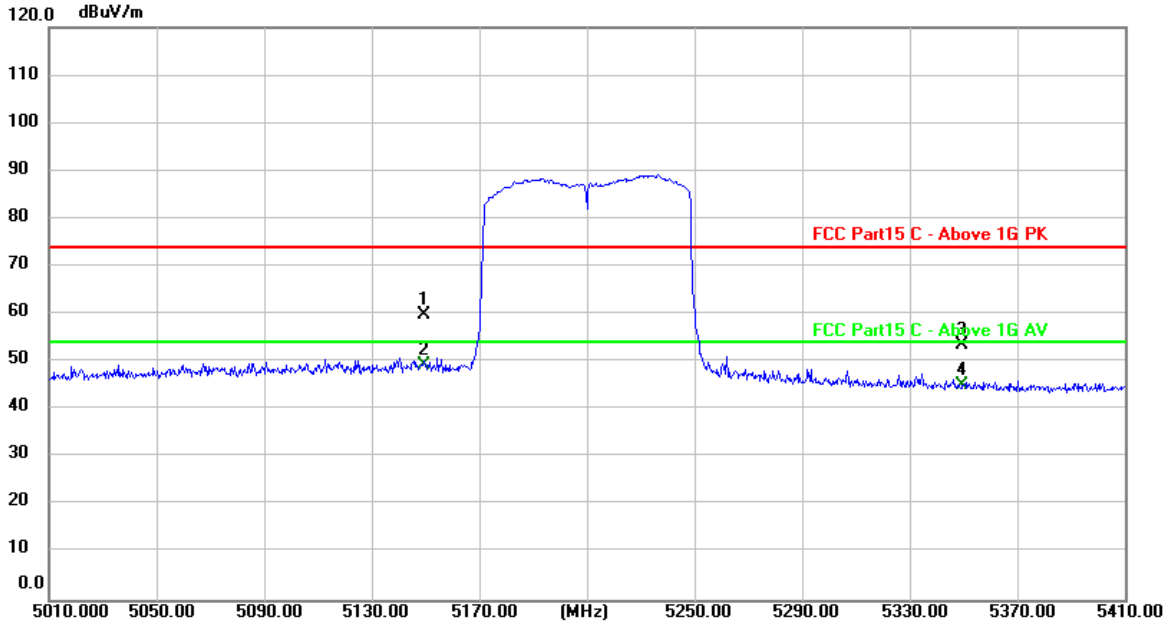
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11ac(VHT80) Mode 5210MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	20.54	37.18	57.72	74.00	-16.28	peak
2 *	5150.000	11.60	37.18	48.78	54.00	-5.22	AVG
3	5350.000	18.97	37.40	56.37	74.00	-17.63	peak
4	5350.000	7.48	37.40	44.88	54.00	-9.12	AVG

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

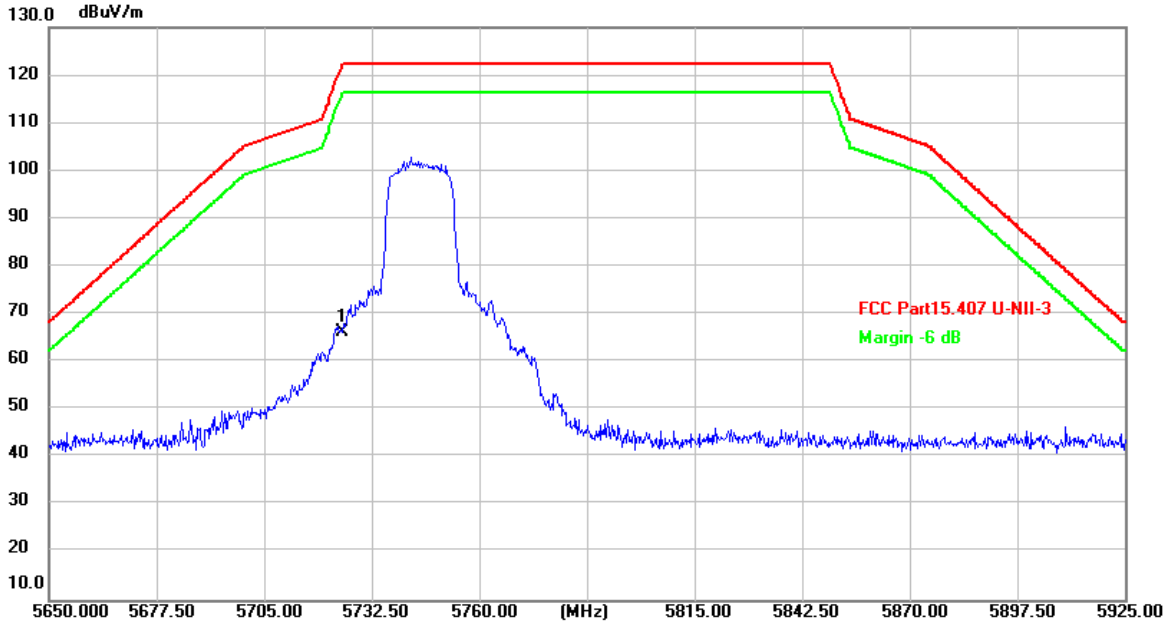
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11ac(VHT80) Mode 5210MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	22.69	37.18	59.87	74.00	-14.13	peak
2 *	5150.000	12.21	37.18	49.39	54.00	-4.61	AVG
3	5350.000	16.19	37.40	53.59	74.00	-20.41	peak
4	5350.000	7.62	37.40	45.02	54.00	-8.98	AVG

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

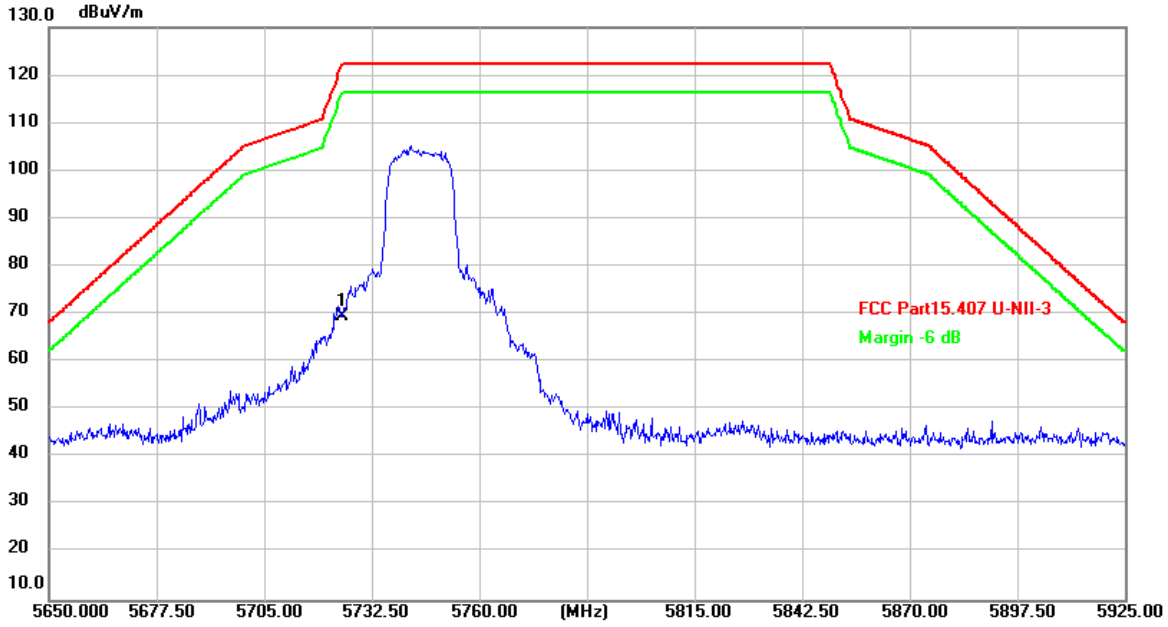
Ant No.:	ANT1
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11a Mode 5745MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5725.000	61.55	4.62	66.17	122.20	-56.03	peak

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

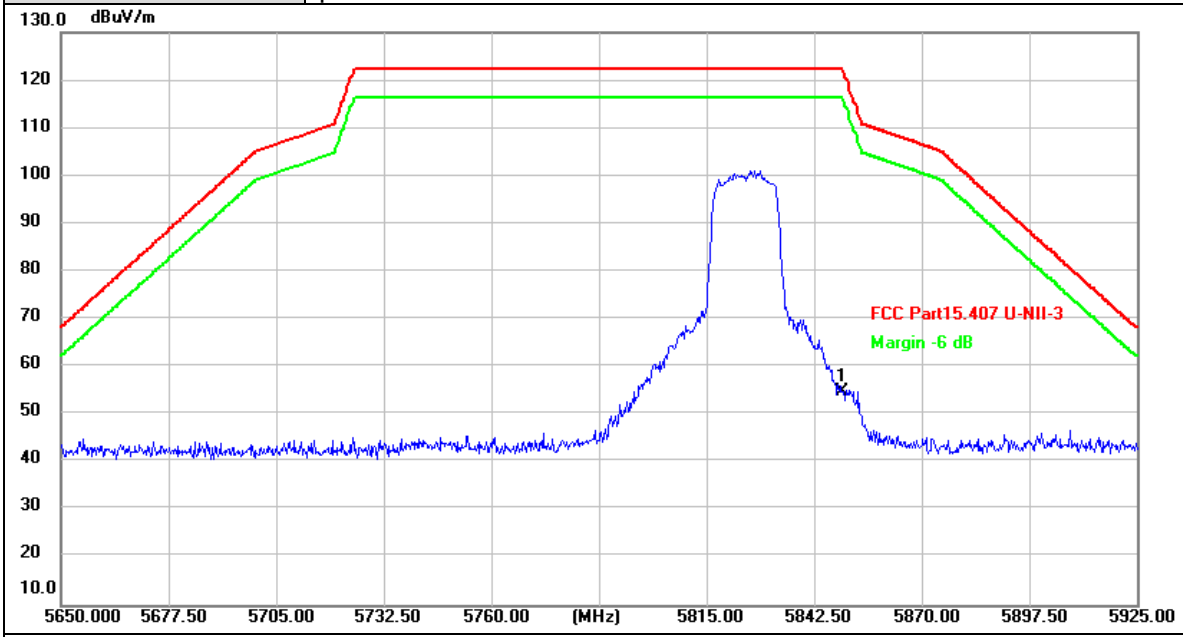
Ant No.:	ANT1
Ant. Pol.:	Vertical
Test Mode:	TX 802.11a Mode 5745MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5725.000	64.97	4.62	69.59	122.20	-52.61	peak

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

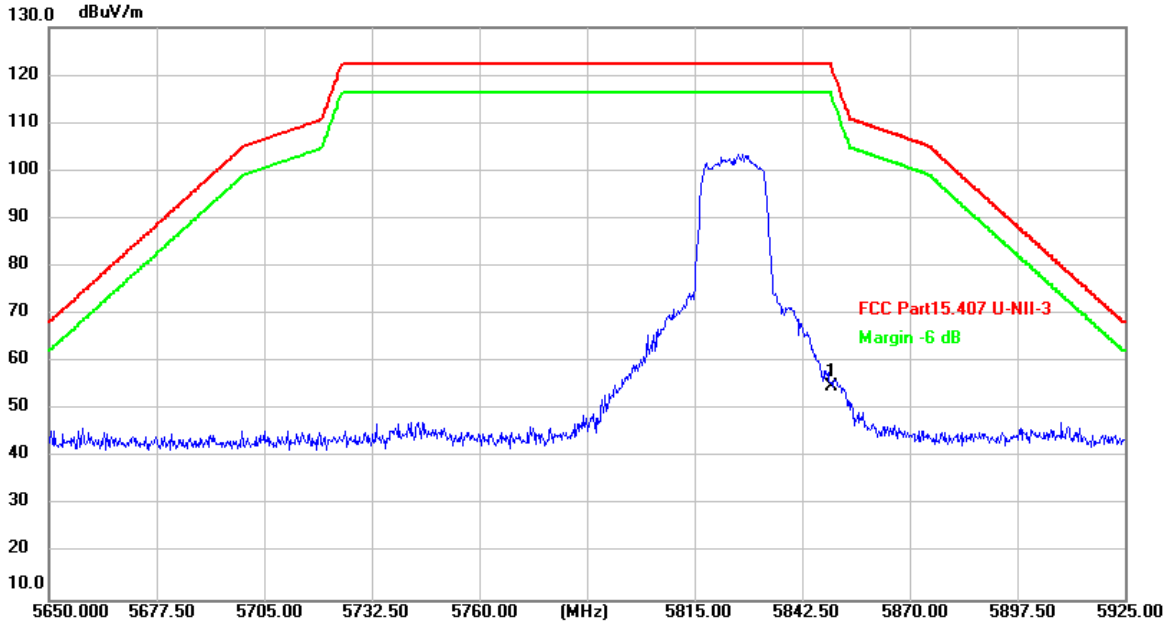
Ant No.:	ANT1
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11a Mode 5825MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5850.000	49.74	5.10	54.84	122.20	-67.36	peak

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

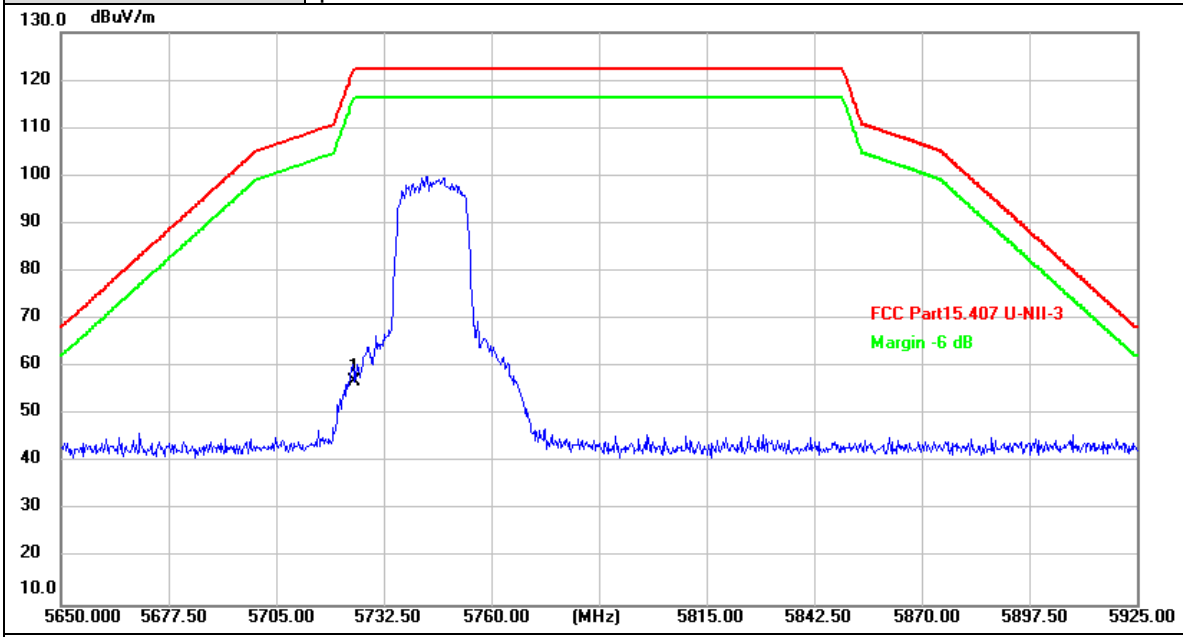
Ant No.:	ANT1
Ant. Pol.:	Vertical
Test Mode:	TX 802.11a Mode 5825MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5850.000	49.76	5.10	54.86	122.20	-67.34	peak

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

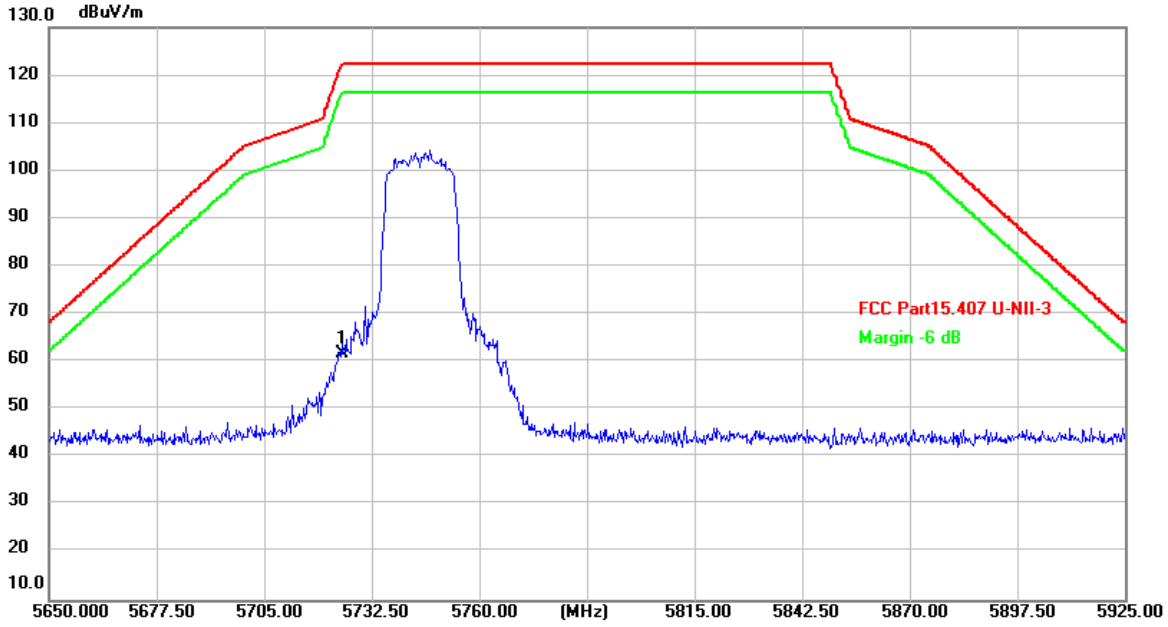
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11n(HT20) Mode 5745MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5725.000	52.36	4.62	56.98	122.20	-65.22	peak

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

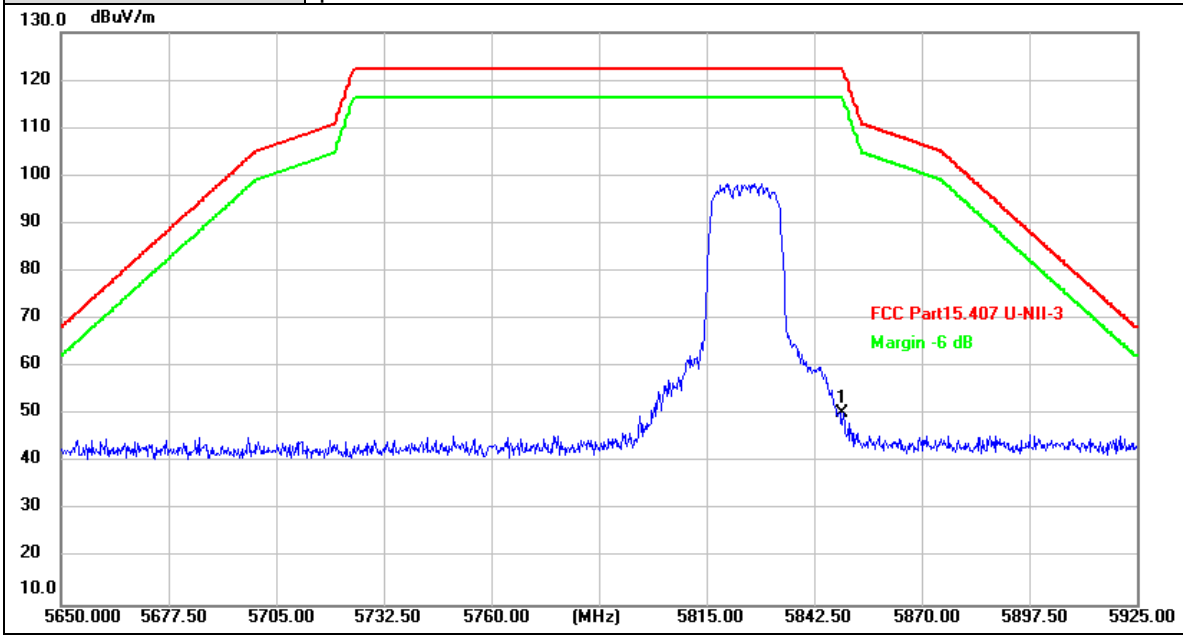
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11n(HT20) Mode 5745MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5725.000	57.05	4.62	61.67	122.20	-60.53	peak

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

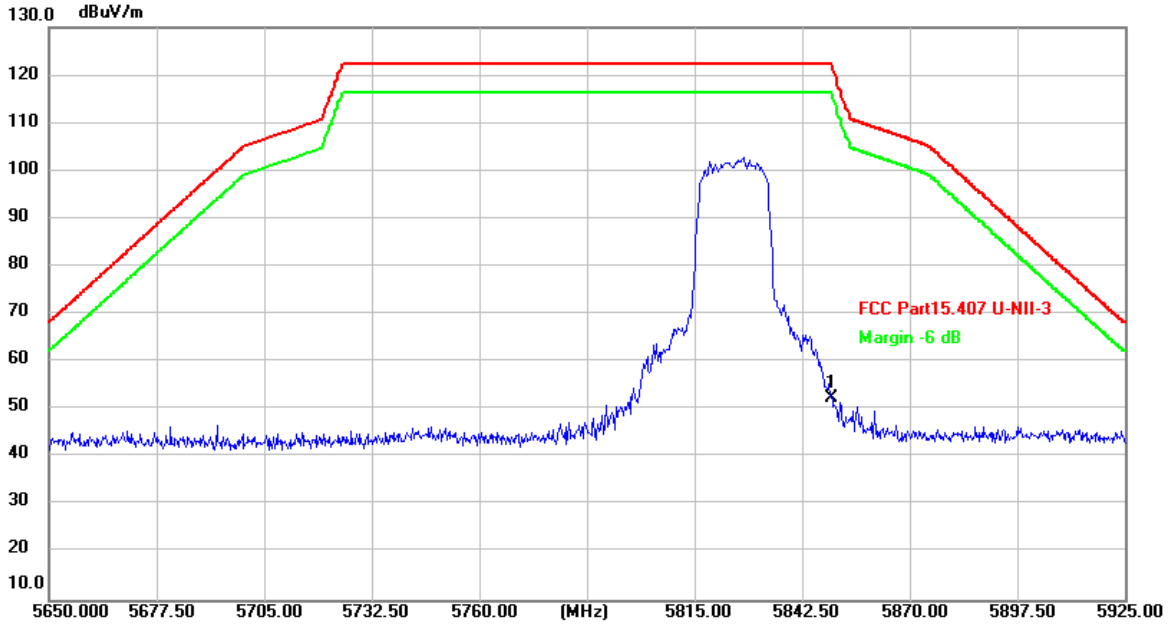
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11n(HT20) Mode 5825MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5850.000	45.22	5.10	50.32	122.20	-71.88	peak

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

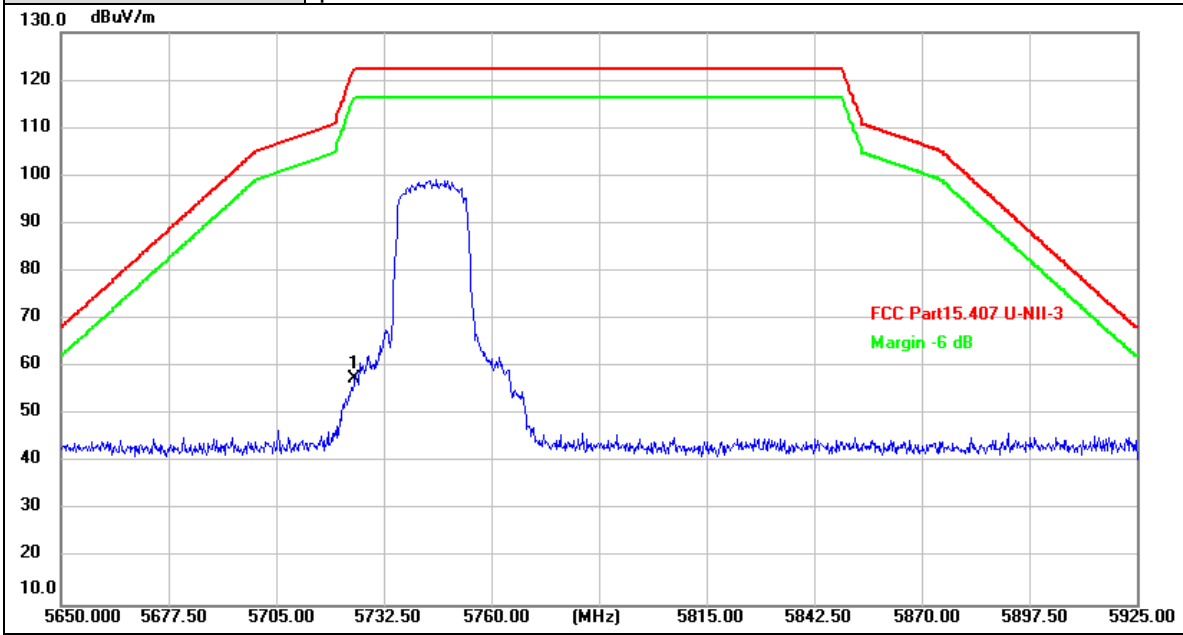
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11n(HT20) Mode 5825MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5850.000	47.45	5.10	52.55	122.20	-69.65	peak

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

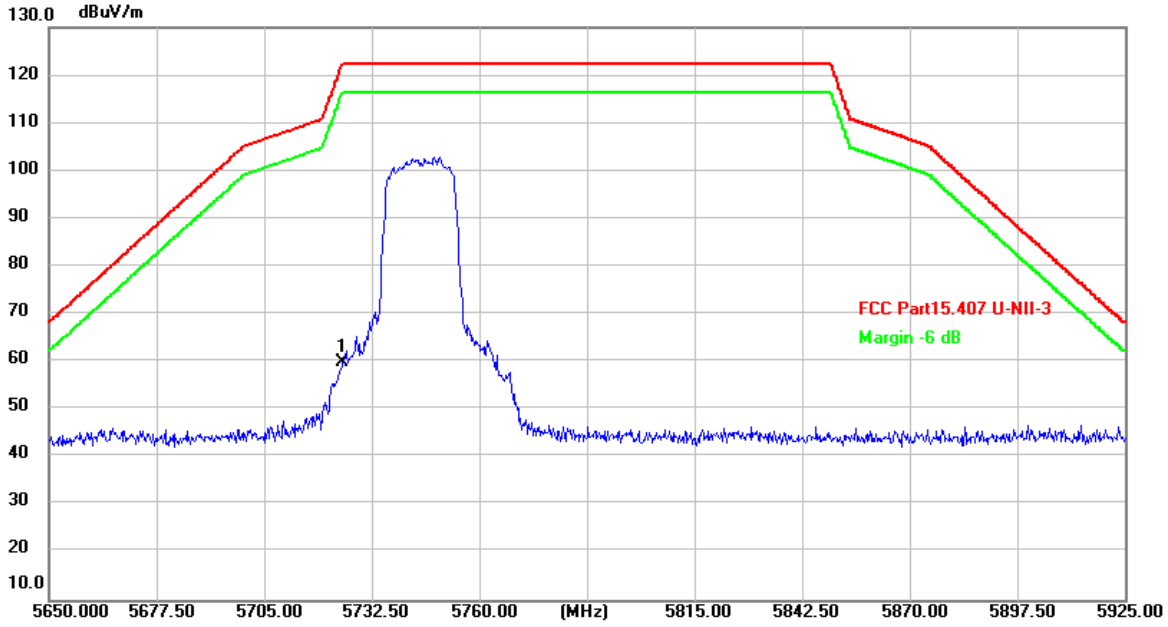
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11ac(VHT20) Mode 5745MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5725.000	52.96	4.62	57.58	122.20	-64.62	peak

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

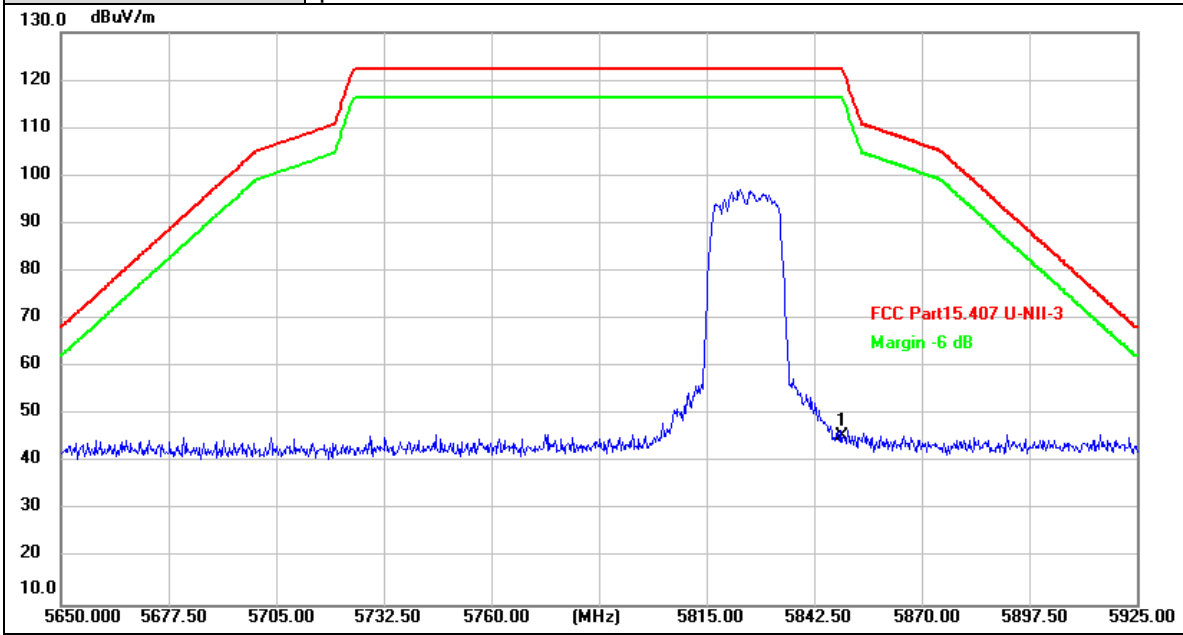
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11ac(VHT20) Mode 5745MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5725.000	55.28	4.62	59.90	122.20	-62.30	peak

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

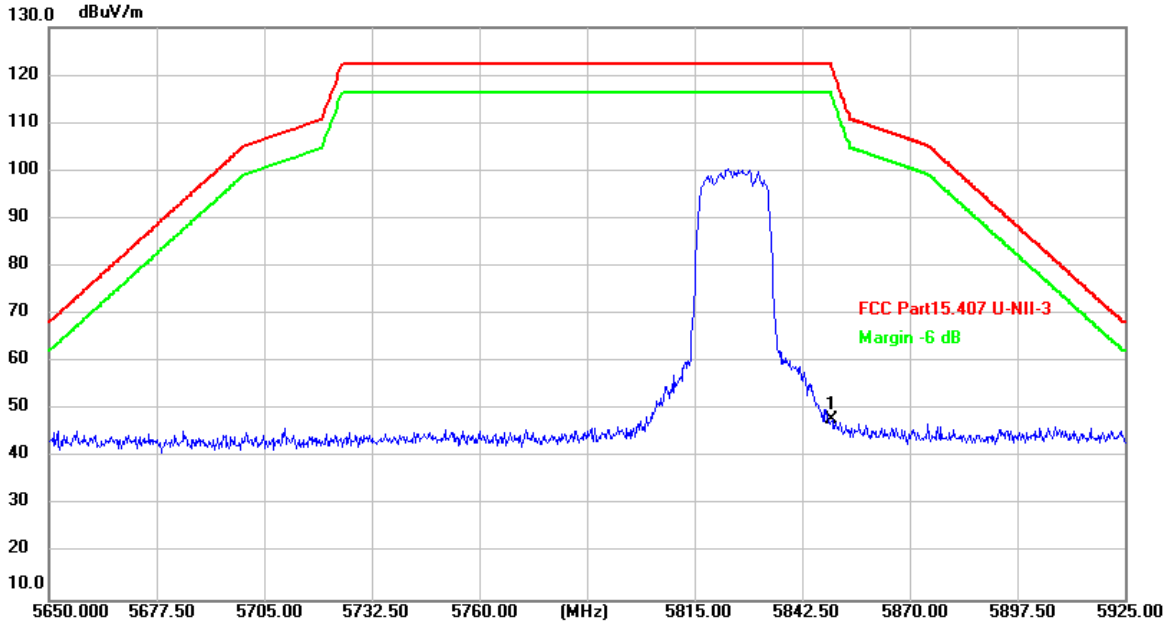
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11ac(VHT20) Mode 5825MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5850.000	40.46	5.10	45.56	122.20	-76.64	peak

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

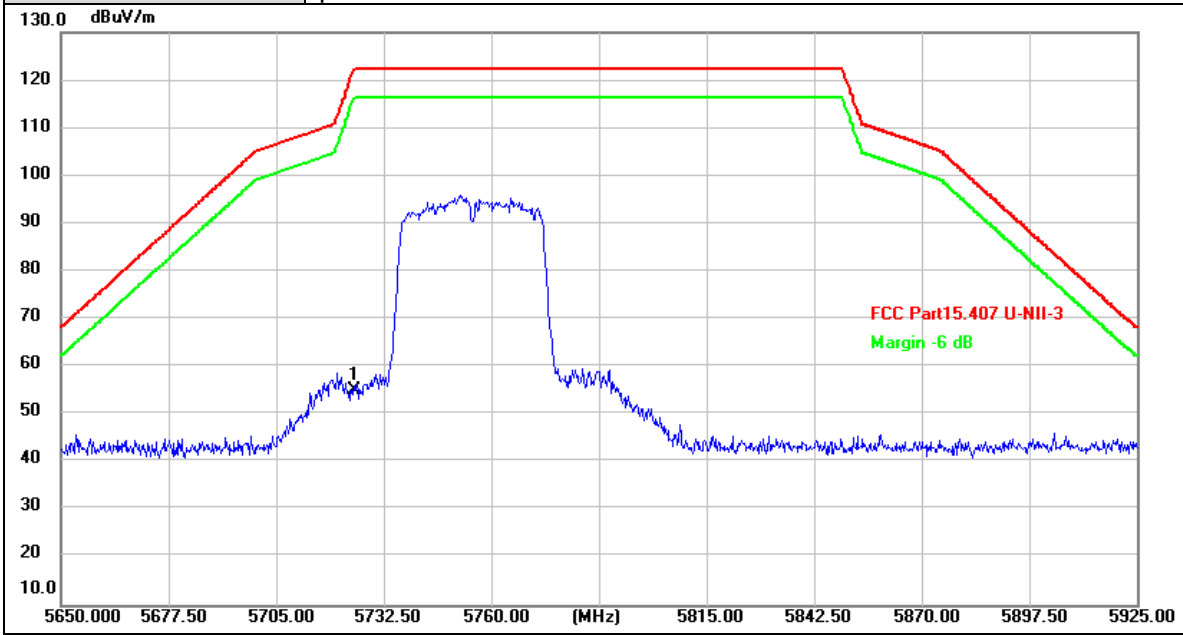
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11ac(VHT20) Mode 5825MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5850.000	42.95	5.10	48.05	122.20	-74.15	peak

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

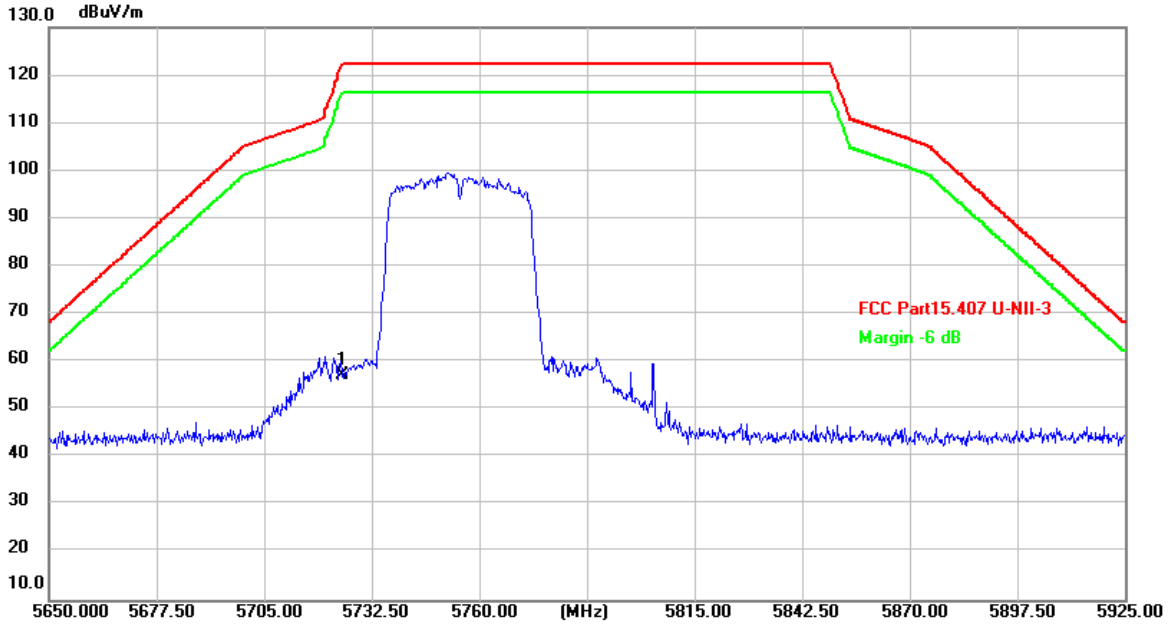
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11n(HT40) Mode 5755MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5725.000	50.67	4.62	55.29	122.20	-66.91	peak

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

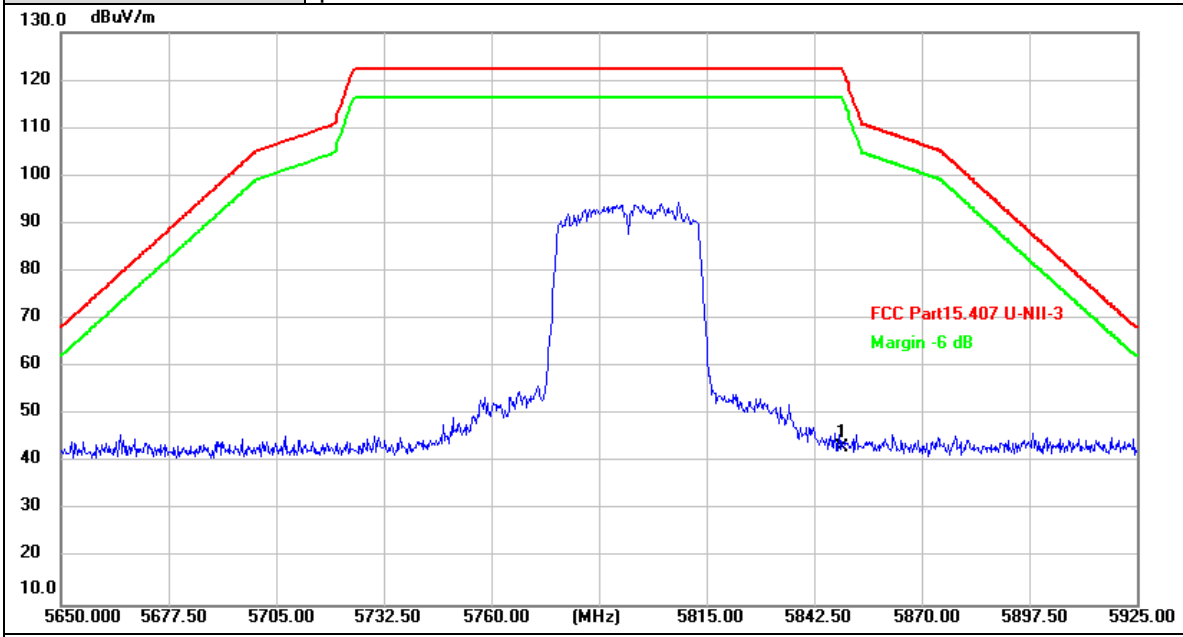
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11n(HT40) Mode 5755MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5725.000	52.67	4.62	57.29	122.20	-64.91	peak

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

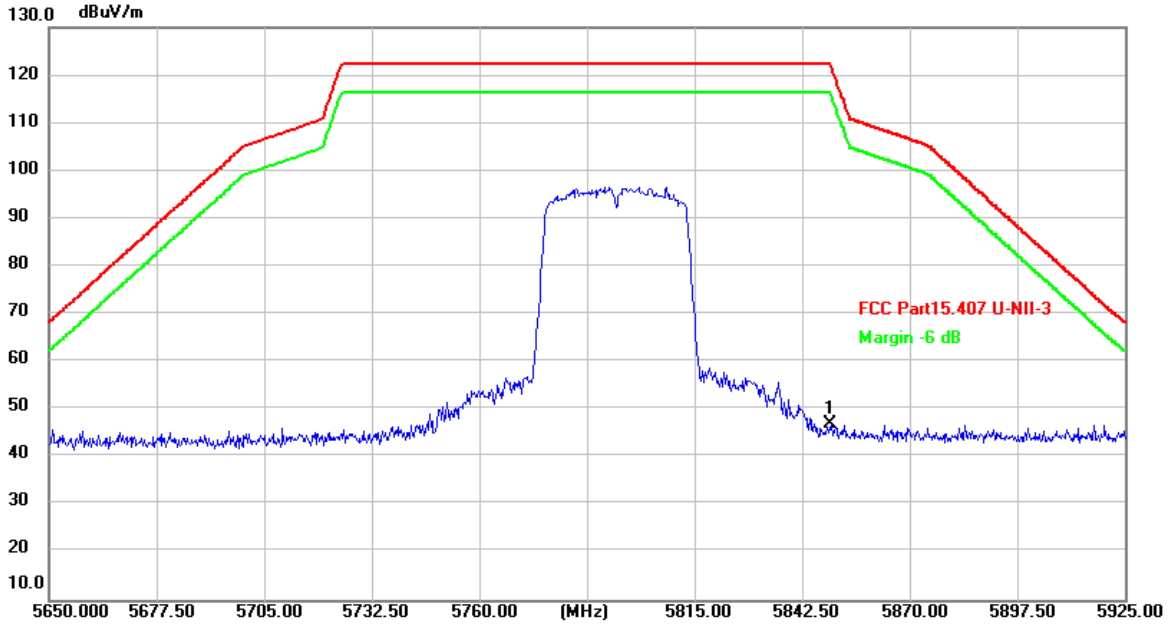
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11n(HT40) Mode 5795MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5850.000	38.15	5.10	43.25	122.20	-78.95	peak

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

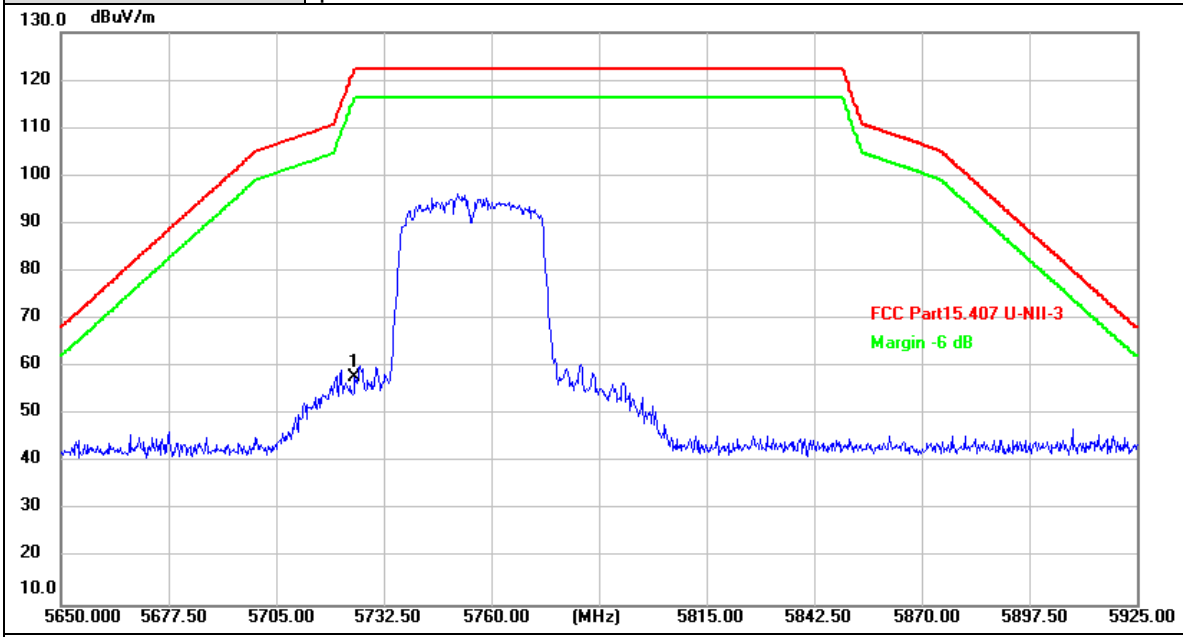
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11n(HT40) Mode 5795MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5850.000	41.86	5.10	46.96	122.20	-75.24	peak

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

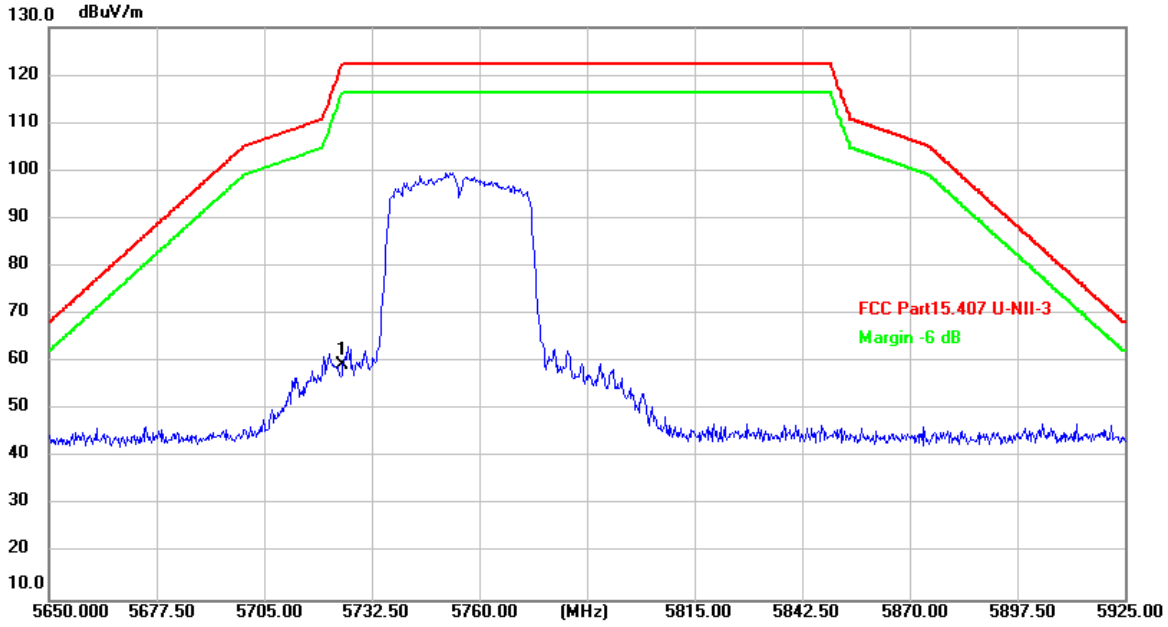
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11ac(VHT40) Mode 5755MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5725.000	53.26	4.62	57.88	122.20	-64.32	peak

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

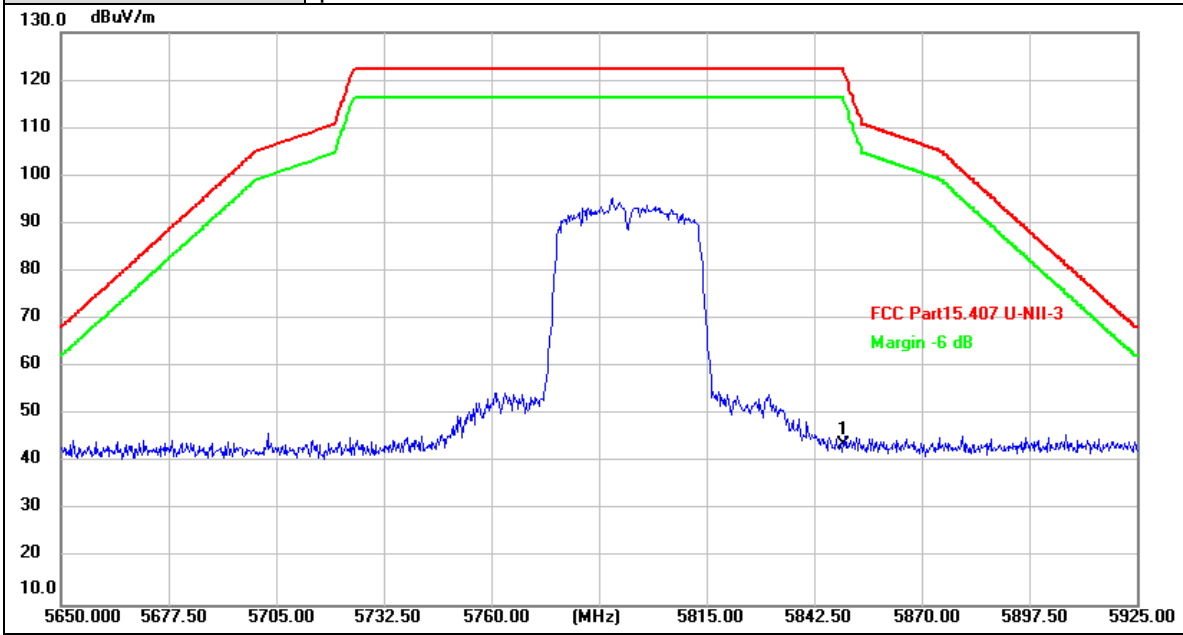
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11ac(VHT40) Mode 5755MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5725.000	54.67	4.62	59.29	122.20	-62.91	peak

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

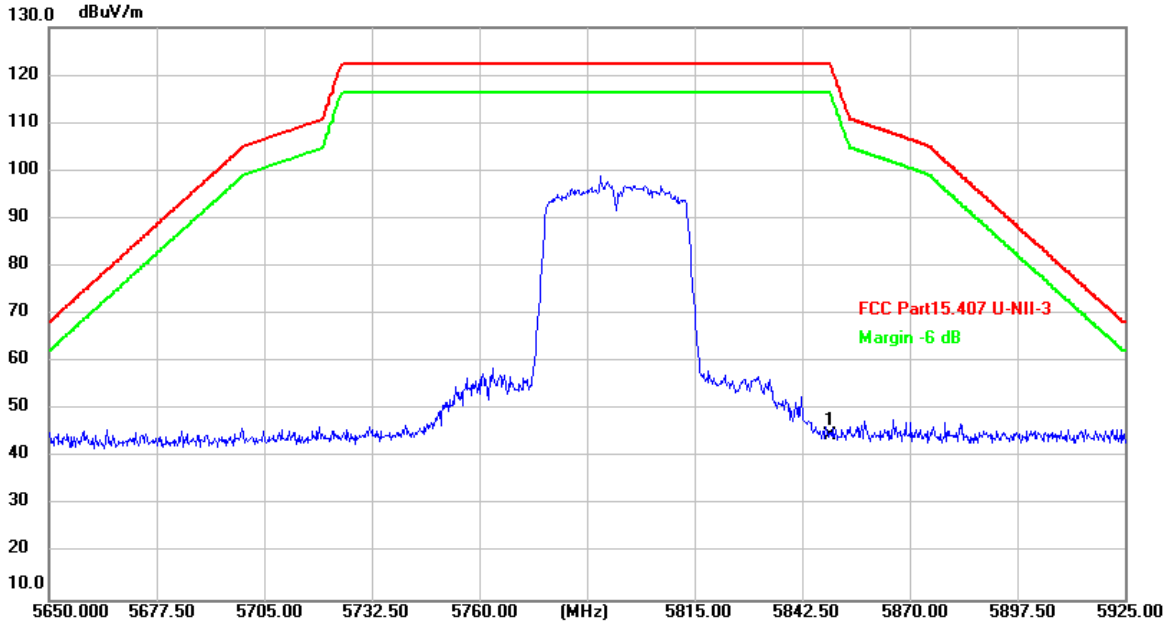
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11ac(VHT40) Mode 5795MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5850.000	38.72	5.10	43.82	122.20	-78.38	peak

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

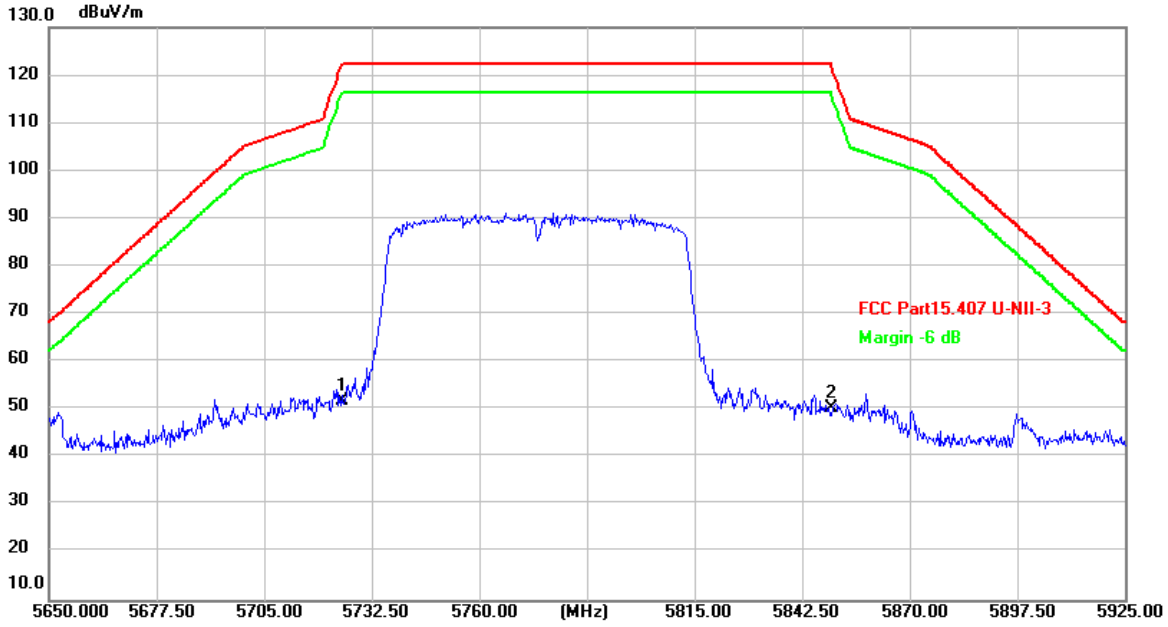
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11ac(VHT40) Mode 5795MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5850.000	39.65	5.10	44.75	122.20	-77.45	peak

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

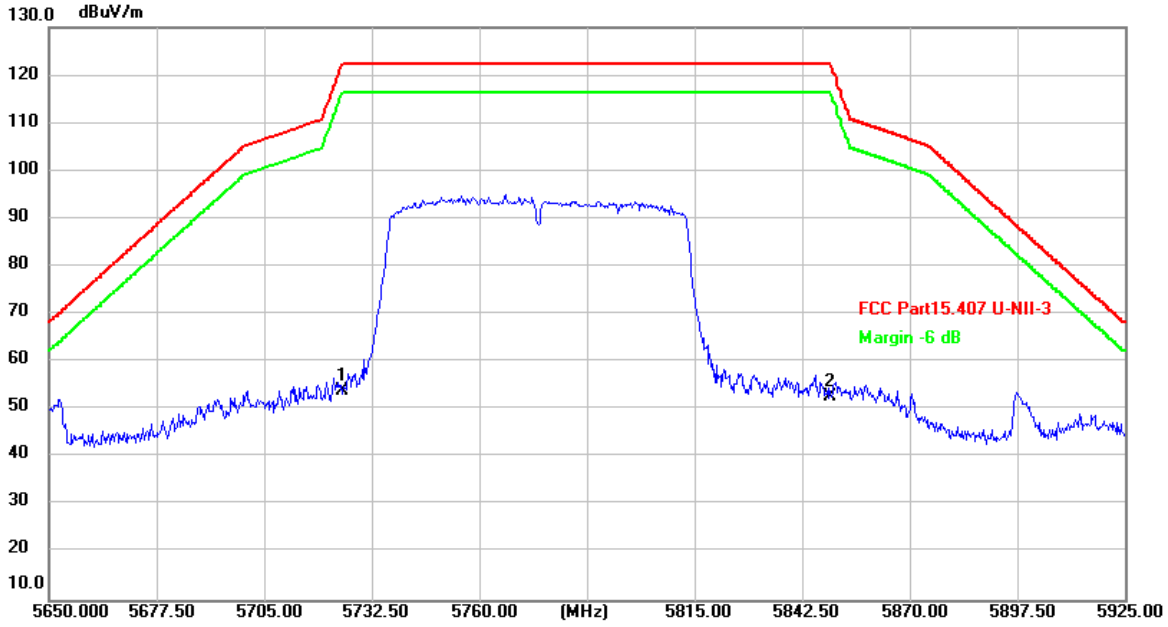
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11ac(VHT80) Mode 5775MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5725.000	47.11	4.62	51.73	122.20	-70.47	peak
2	5850.000	45.34	5.10	50.44	122.20	-71.76	peak

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

Ant No.:	ANT1 + ANT2
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	49.44	4.62	54.06	122.20	-68.14	peak
2	5850.000	47.53	5.10	52.63	122.20	-69.57	peak

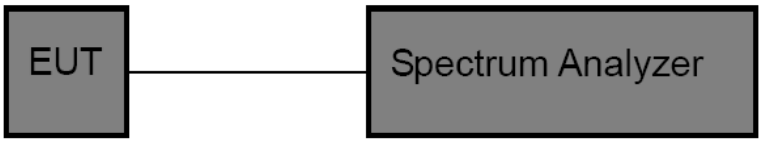
Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

3.4. Bandwidth Test

Limit

FCC Part 15 Subpart C(15.407)/ RSS-247		
Test Item	**Limit**	**Frequency Range (MHz)**
26 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

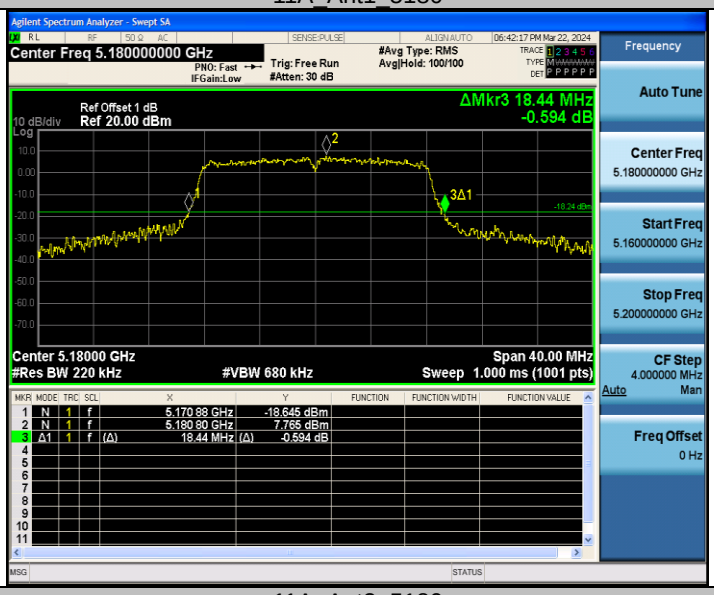
26dB Bandwidth

Test Mode	Antenna	Freq(MHz)	26dB EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	18.440	5170.880	5189.320	---	---
	Ant2	5180	18.280	5170.920	5189.200	---	---
	Ant1	5200	18.320	5190.920	5209.240	---	---
	Ant2	5200	18.240	5190.920	5209.160	---	---
	Ant1	5240	18.360	5230.880	5249.240	---	---
	Ant2	5240	19.040	5230.040	5249.080	---	---
	Ant1	5745	21.480	5735.760	5757.240	---	---
	Ant2	5745	28.440	5731.520	5759.960	---	---
	Ant1	5785	20.360	5775.480	5795.840	---	---
	Ant2	5785	25.240	5771.280	5796.520	---	---
	Ant1	5825	18.720	5815.560	5834.280	---	---
	Ant2	5825	19.760	5814.520	5834.280	---	---
11N20MIMO	Ant1	5180	19.120	5170.400	5189.520	---	---
	Ant2	5180	19.360	5170.280	5189.640	---	---
	Ant1	5200	19.280	5190.400	5209.680	---	---
	Ant2	5200	19.440	5190.280	5209.720	---	---
	Ant1	5240	19.160	5230.400	5249.560	---	---
	Ant2	5240	19.160	5230.480	5249.640	---	---
	Ant1	5745	19.200	5735.400	5754.600	---	---
	Ant2	5745	24.120	5733.480	5757.600	---	---
	Ant1	5785	19.440	5775.200	5794.640	---	---
	Ant2	5785	19.400	5775.240	5794.640	---	---
	Ant1	5825	19.680	5815.280	5834.960	---	---
	Ant2	5825	19.320	5815.320	5834.640	---	---

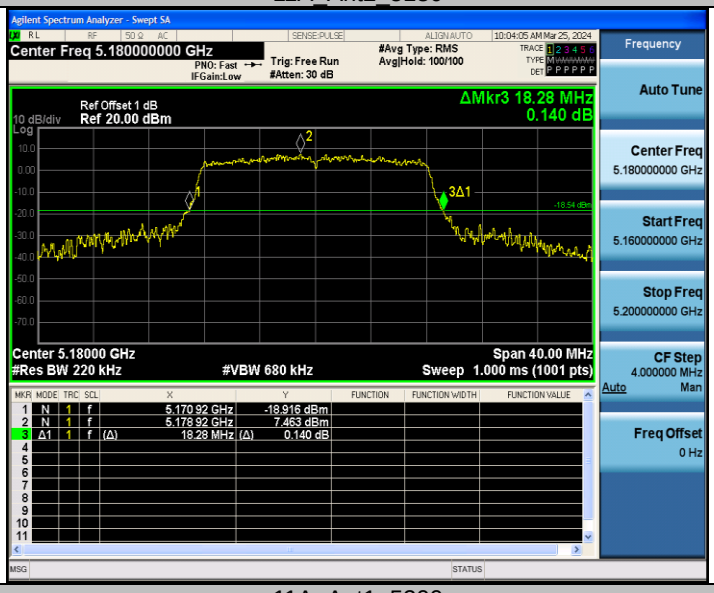
11N40MIMO	Ant1	5190	39.040	5170.480	5209.520	---	---
	Ant2	5190	38.800	5170.560	5209.360	---	---
	Ant1	5230	38.880	5210.480	5249.360	---	---
	Ant2	5230	38.800	5210.640	5249.440	---	---
	Ant1	5755	38.960	5735.480	5774.440	---	---
	Ant2	5755	38.800	5735.560	5774.360	---	---
	Ant1	5795	39.200	5775.480	5814.680	---	---
	Ant2	5795	38.960	5775.560	5814.520	---	---
11AC20MIMO	Ant1	5180	19.320	5170.320	5189.640	---	---
	Ant2	5180	19.400	5170.200	5189.600	---	---
	Ant1	5200	19.160	5190.400	5209.560	---	---
	Ant2	5200	19.200	5190.360	5209.560	---	---
	Ant1	5240	19.360	5230.320	5249.680	---	---
	Ant2	5240	19.240	5230.320	5249.560	---	---
	Ant1	5745	19.160	5735.360	5754.520	---	---
	Ant2	5745	19.360	5735.280	5754.640	---	---
	Ant1	5785	19.240	5775.360	5794.600	---	---
	Ant2	5785	19.280	5775.280	5794.560	---	---
	Ant1	5825	19.680	5815.280	5834.960	---	---
	Ant2	5825	19.280	5815.320	5834.600	---	---
11AC40MIMO	Ant1	5190	38.880	5170.560	5209.440	---	---
	Ant2	5190	38.800	5170.560	5209.360	---	---
	Ant1	5230	38.960	5210.480	5249.440	---	---
	Ant2	5230	38.800	5210.480	5249.280	---	---
	Ant1	5755	38.800	5735.560	5774.360	---	---
	Ant2	5755	38.720	5735.720	5774.440	---	---
	Ant1	5795	39.280	5775.320	5814.600	---	---
	Ant2	5795	38.960	5775.480	5814.440	---	---
11AC80MIMO	Ant1	5210	81.280	5169.840	5251.120	---	---
	Ant2	5210	80.960	5169.680	5250.640	---	---
	Ant1	5775	82.400	5734.200	5816.600	---	---
	Ant2	5775	81.760	5734.680	5816.440	---	---

Test Graphs

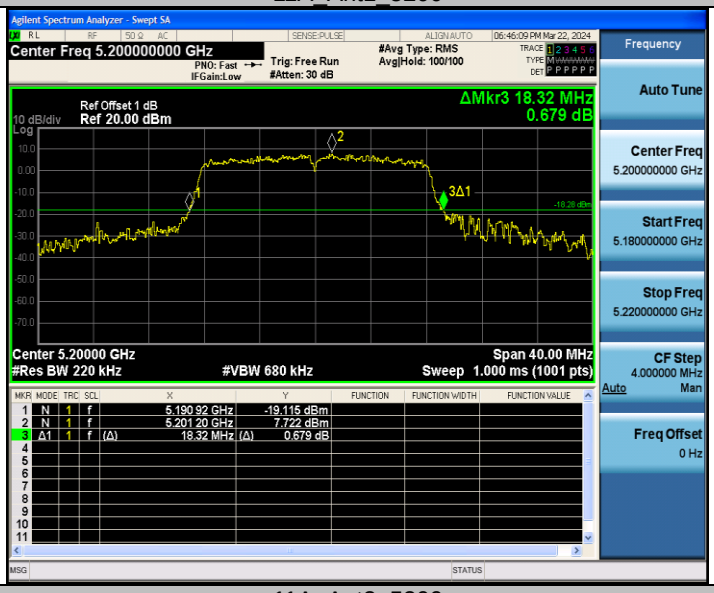
11A_Ant1_5180



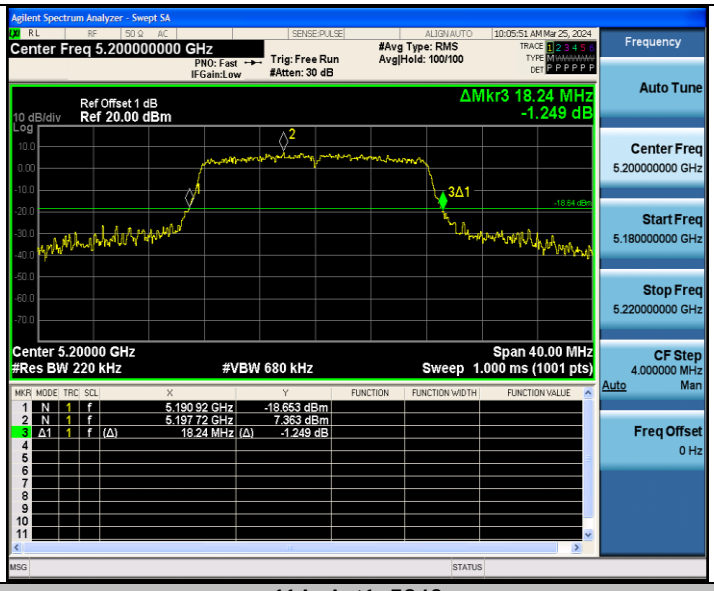
11A_Ant2_5180



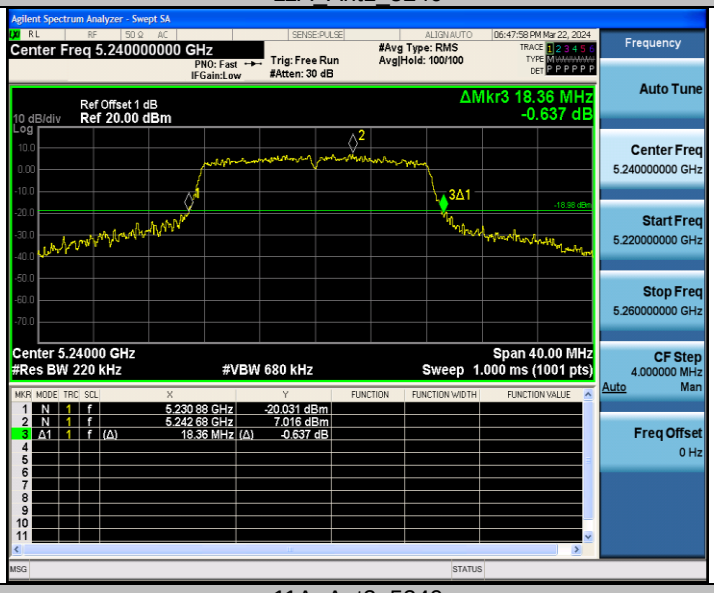
11A_Ant1_5200



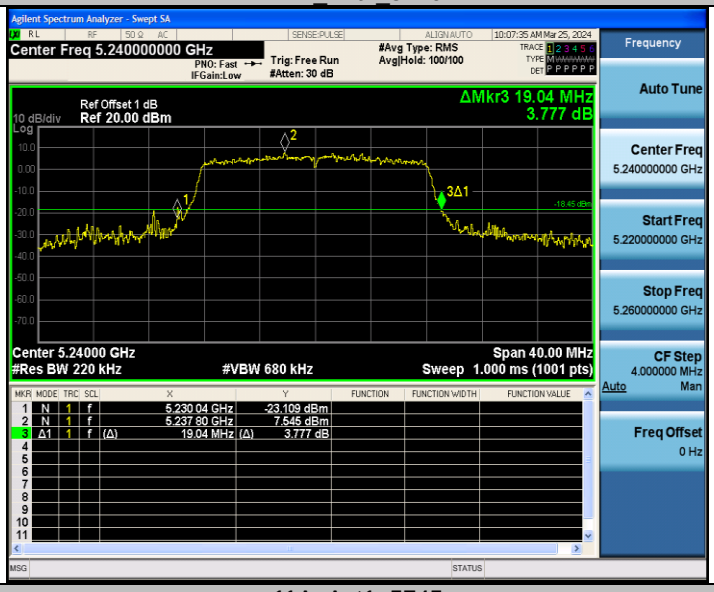
11A_Ant2_5200



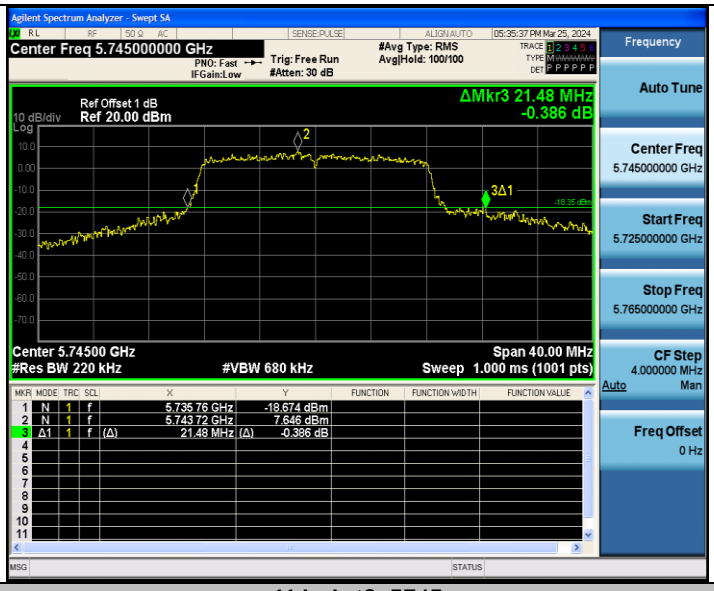
11A_Ant1_5240



11A_Ant2_5240

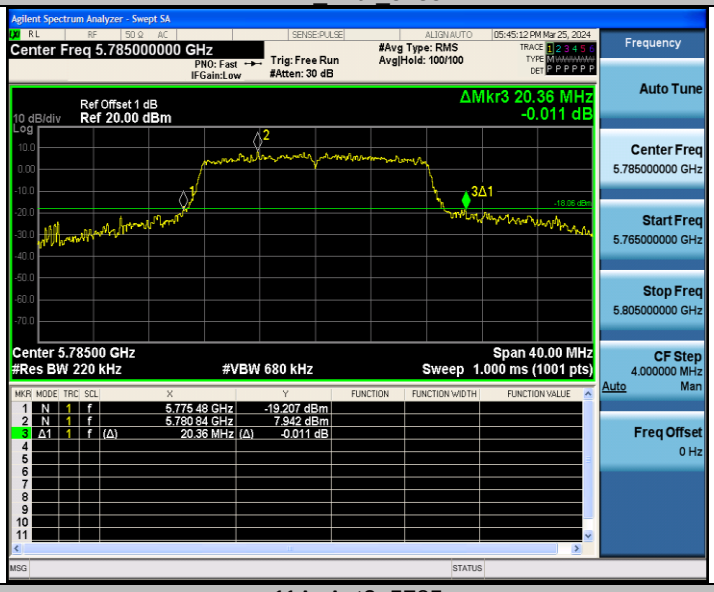


11A_Ant1_5745



11A_Ant2_5745

11A_Ant1_5785



11A_Ant2_5785