CTC Laboratories, Inc.

Room 101 Building B, No. 7, Lanqing 1st Road, Luhu Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755-27521059 Fax: +86-755-27521011 http://www.sz-ctc.org.cn

TEST REPORT

Report No. ……:	**CTC2024165212**
FCC ID……..:	**2AJH3-TV-179K**
Applicant……:	**Dune HD(HK) Limited**
Address……:	10th Floor, Shun On Commercial Building, 112-114 Des Voeux Road Central, Central, Hong Kong
Manufacturer……:	Dune HD(HK) Limited
Address……:	10th Floor, Shun On Commercial Building, 112-114 Des Voeux Road Central, Central, Hong Kong
Product Name……:	**Kartina EVA**
Trade Mark……:	Kartina, Kartina TV, Dune HD
Model/Type reference……:	TV-179K
Listed Model(s) ……:	/
Standard……:	**FCC CFR Title 47 Part 15 Subpart E Section 15.407**
Date of receipt of test sample…:	Jul. 4, 2024
Date of testing……..:	Jul. 4, 2024 to Jul. 25, 2024
Date of issue……....:	Sept. 4, 2024
Result……:	**PASS**

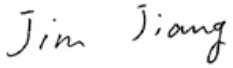
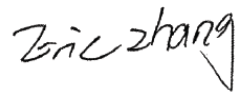
Compiled by: (Printed name+signature)	Jim Jiang	
Supervised by: (Printed name+signature)	Eric Zhang	
Approved by: (Printed name+signature)	Totti Zhao	

Table of Contents Page

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	CTC2024165212	Sept. 4, 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	5 °C
	T_H=Higher Temperature	35 °C

2. GENERAL INFORMATION

2.1. Client Information

Applicant:	Dune HD(HK) Limited
Address:	10th Floor, Shun On Commercial Building, 112-114 Des Voeux Road Central, Central, Hong Kong
Manufacturer:	Dune HD(HK) Limited
Address:	10th Floor, Shun On Commercial Building, 112-114 Des Voeux Road Central, Central, Hong Kong

2.2. General Description of EUT

Product Name:	Kartina EVA				
Trade Mark:	Kartina, Kartina TV, Dune HD				
Model/Type reference:	TV-179K				
Listed Model(s):	/				
Model Differences:	/				
Power supply:	Input: 5V⎓2A				
Hardware version:	/				
Software version:	/				
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&2 gain:	5.23dBi				
Directional Gain:	8.24dBi				

2.3. Accessory Equipment Information

Equipment Information			
Name	Model	S/N	Manufacturer
AC Adapter	TEKA012-0502000EU	/	TEKA
Cable Information			
Name	Shielded Type	Ferrite Core	Length
/	/	/	/
Test Software Information			
Name	Version	/	/
RtkWiFiTest	2.8.1	/	/

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	102414	Dec. 12, 2024
13	RF Control Unit	Tonscend	JS0806-2	/	Aug. 22, 2024
14	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

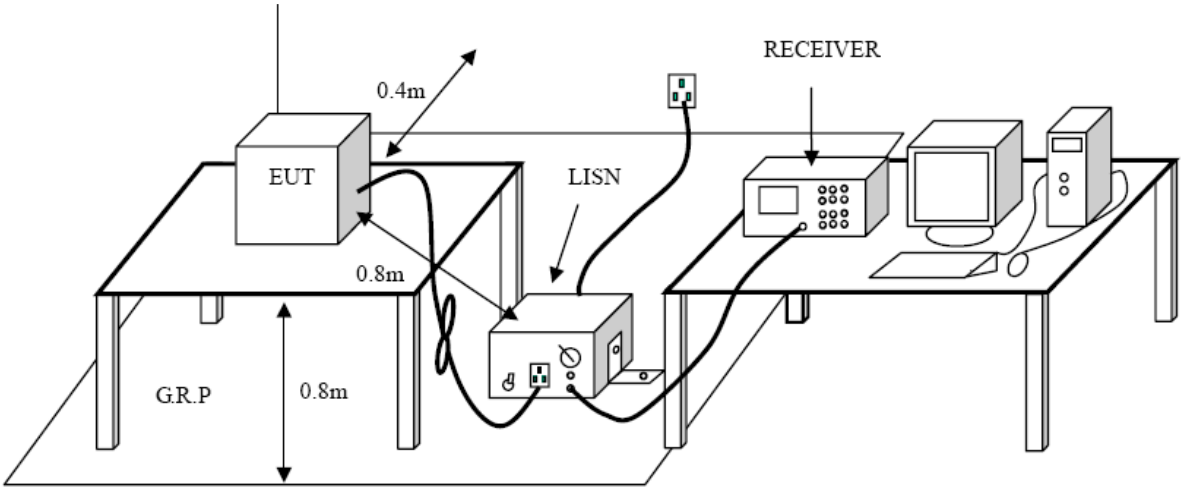
Limit

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

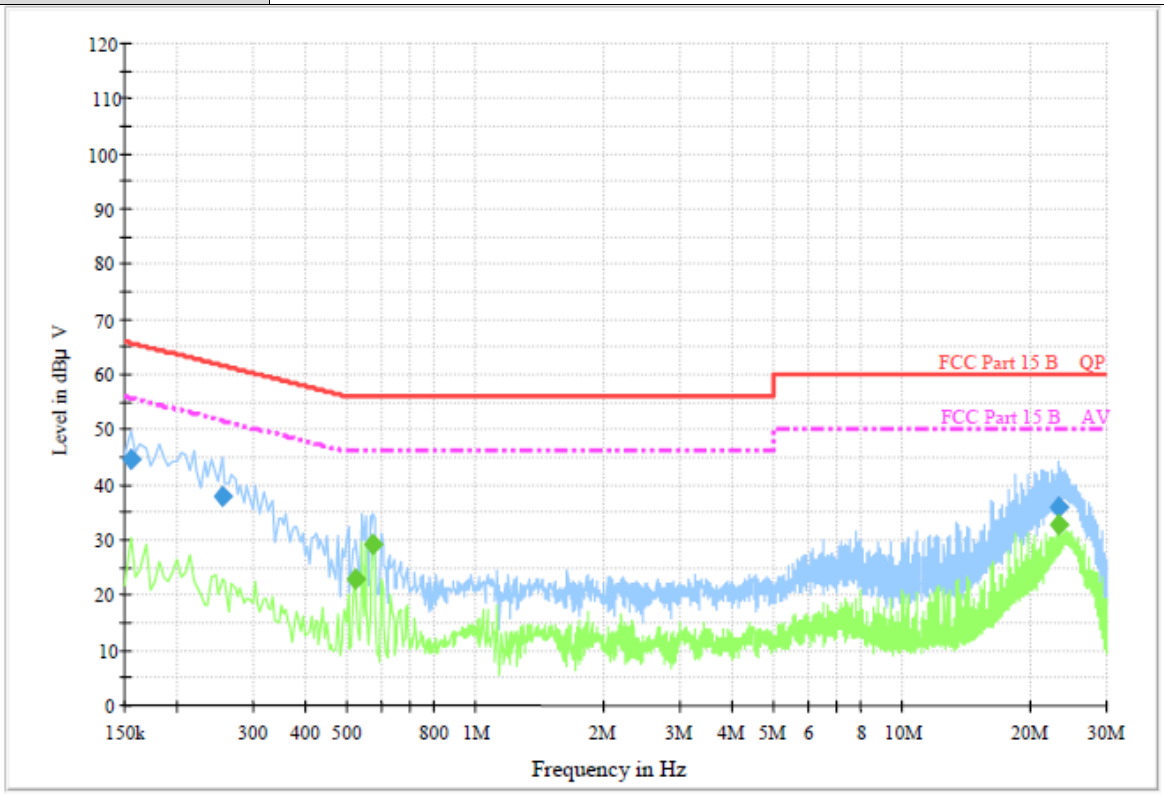
1. The EUT was setup according to ANSI C63.10:2013 requirements.
2. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from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

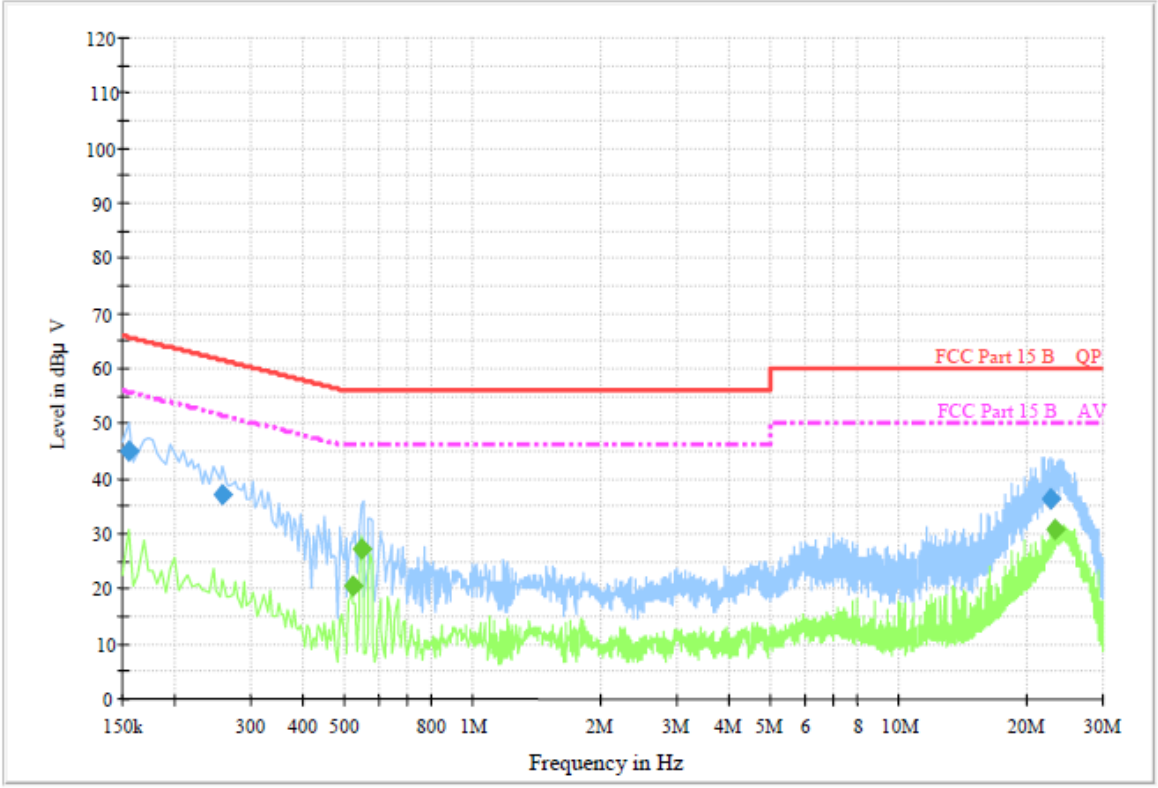
Frequency (MHz)	QuasiPeak (dBµ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµ V)	Comment
0.154500	44.5	1000.00	9.000	On	L1	9.5	21.3	65.8	
0.253500	38.1	1000.00	9.000	On	L1	9.5	23.5	61.6	
23.091000	36.1	1000.00	9.000	On	L1	9.7	23.9	60.0	

Final Measurement Detector 2

Frequency (MHz)	Average (dBµ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµ V)	Comment
0.519000	22.8	1000.00	9.000	On	L1	9.5	23.2	46.0	
0.573000	29.2	1000.00	9.000	On	L1	9.5	16.8	46.0	
23.127000	32.7	1000.00	9.000	On	L1	9.7	17.3	50.0	

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
0.154500	45.0	1000.00	9.000	On	N	9.5	20.8	65.8	
0.258000	37.2	1000.00	9.000	On	N	9.4	24.3	61.5	
22.659000	36.4	1000.00	9.000	On	N	9.5	23.6	60.0	

Final Measurement Detector 2

Frequency (MHz)	Average (dBµ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµ V)	Comment
0.519000	20.5	1000.00	9.000	On	N	9.4	25.5	46.0	
0.546000	27.3	1000.00	9.000	On	N	9.4	18.7	46.0	
23.131500	31.0	1000.00	9.000	On	N	9.5	19.0	50.0	

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

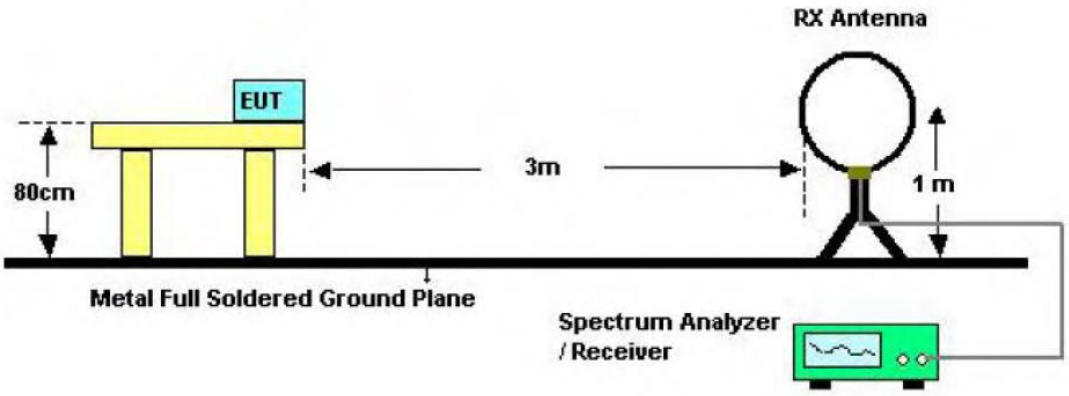
FCC CFR Title 47 Part 15 Subpart C Section 15.407(b)/ RSS-247 6.2.1.2 & RSS-247 6.2.4.2

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

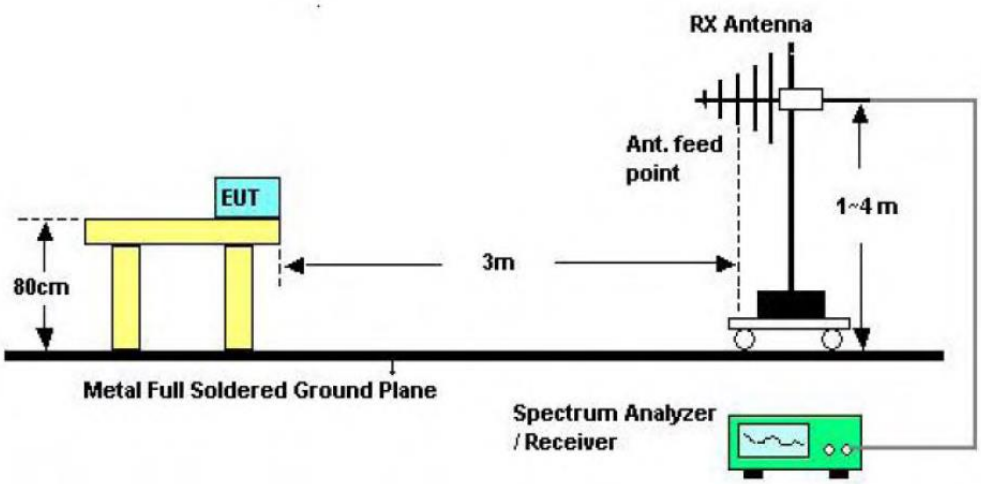
Note: 1. The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength: $E=\frac{1000000\sqrt{30P}}{3}$ uV/m, where P is the eirp (Watts)

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.

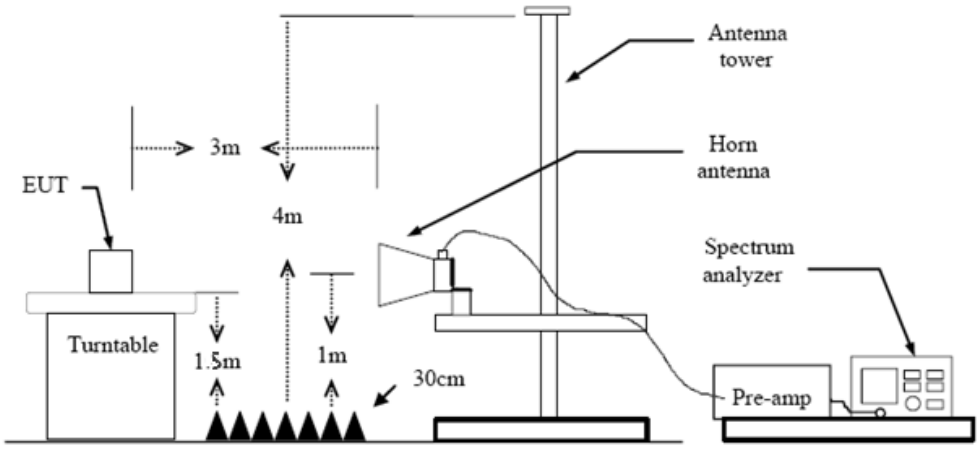
Test Configuration



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

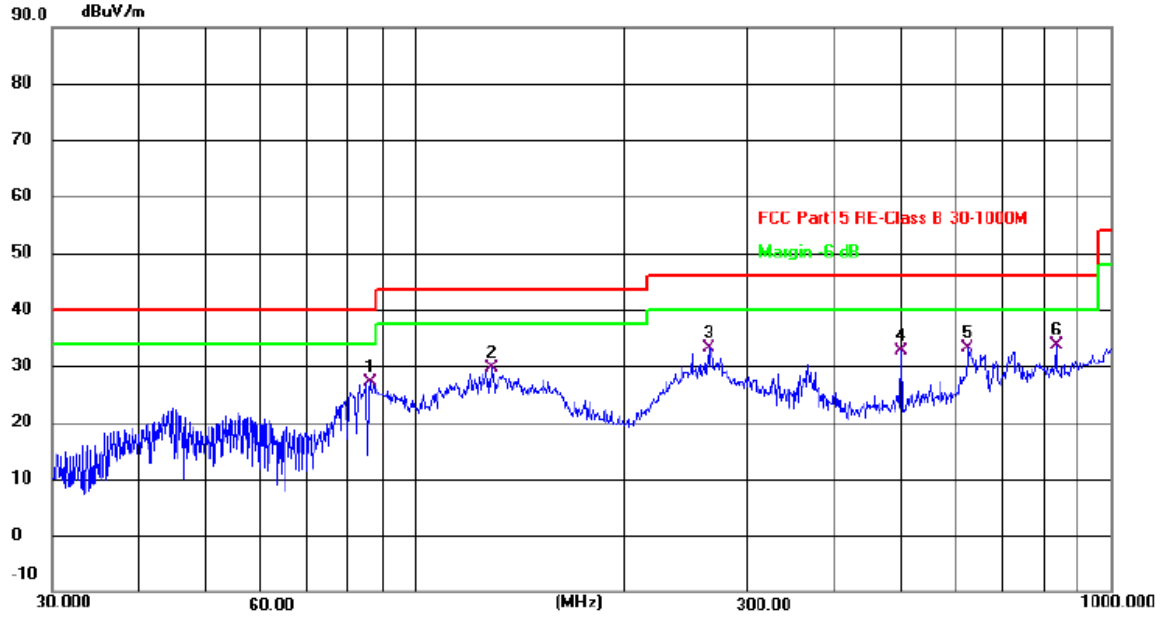
9 KHz~30 MHz

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

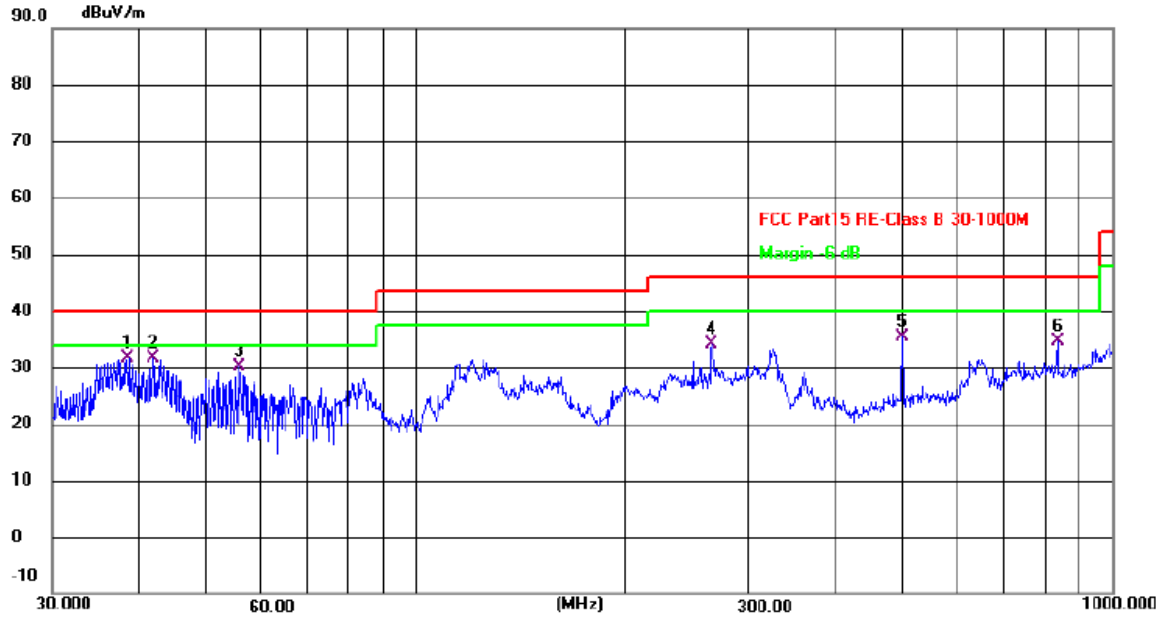
Ant No.:	ANT1
Ant. Pol.	Horizontal
Test Mode:	TX 802.11a Mode 5180MHz (U-NII-1)
Remark:	Only worse case is reported



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	85.8983	47.70	-20.69	27.01	40.00	-12.99	QP
2	128.5629	50.39	-20.81	29.58	43.50	-13.92	QP
3	264.7457	48.96	-15.87	33.09	46.00	-12.91	QP
4	499.4246	43.13	-10.50	32.63	46.00	-13.37	QP
5	622.8900	41.18	-7.98	33.20	46.00	-12.80	QP
6 *	833.3170	38.56	-4.96	33.60	46.00	-12.40	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	38.6160	48.32	-16.80	31.52	40.00	-8.48	QP
2 *	41.8594	47.78	-16.12	31.66	40.00	-8.34	QP
3	55.8046	46.58	-16.36	30.22	40.00	-9.78	QP
4	265.6757	50.00	-15.85	34.15	46.00	-11.85	QP
5	499.4247	45.77	-10.50	35.27	46.00	-10.73	QP
6	833.3171	39.56	-4.96	34.60	46.00	-11.40	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	1050.917	49.69	-8.21	41.48	74.00	-32.52	peak
2	1618.833	47.71	-6.90	40.81	74.00	-33.19	peak
3	2966.167	45.44	-2.19	43.25	74.00	-30.75	peak
4	5703.917	41.19	4.54	45.73	74.00	-28.27	peak
5	8386.833	40.30	10.53	50.83	74.00	-23.17	peak
6 *	11477.083	38.75	14.93	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.:	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	1039.167	49.52	-8.24	41.28	74.00	-32.72	peak
2	1618.833	51.26	-6.90	44.36	74.00	-29.64	peak
3	2966.167	49.28	-2.19	47.09	74.00	-26.91	peak
4	5136.000	41.66	2.69	44.35	74.00	-29.65	peak
5	8762.833	39.29	11.33	50.62	74.00	-23.38	peak
6 *	11947.083	38.37	15.35	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
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	1050.917	50.31	-8.21	42.10	74.00	-31.90	peak
2	1618.833	47.44	-6.90	40.54	74.00	-33.46	peak
3	2966.167	44.49	-2.19	42.30	74.00	-31.70	peak
4	6397.167	40.06	7.05	47.11	74.00	-26.89	peak
5	9671.500	39.93	12.72	52.65	74.00	-21.35	peak
6 *	12444.500	38.09	15.62	53.71	74.00	-20.29	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	1050.917	52.01	-8.21	43.80	74.00	-30.20	peak
2	1618.833	50.69	-6.90	43.79	74.00	-30.21	peak
3	2966.167	48.62	-2.19	46.43	74.00	-27.57	peak
4	7235.333	39.35	10.03	49.38	74.00	-24.62	peak
5	10415.667	39.12	13.90	53.02	74.00	-20.98	peak
6 *	12448.417	37.71	15.63	53.34	74.00	-20.66	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	1050.917	49.53	-8.21	41.32	74.00	-32.68	peak
2	1618.833	51.02	-6.90	44.12	74.00	-29.88	peak
3	2966.167	45.46	-2.19	43.27	74.00	-30.73	peak
4	6714.417	38.91	7.77	46.68	74.00	-27.32	peak
5	7924.667	39.87	10.71	50.58	74.00	-23.42	peak
6 *	11230.333	38.98	14.78	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
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	1035.250	51.36	-8.25	43.11	74.00	-30.89	peak
2	1618.833	50.61	-6.90	43.71	74.00	-30.29	peak
3	2966.167	49.33	-2.19	47.14	74.00	-26.86	peak
4	7227.500	40.28	10.03	50.31	74.00	-23.69	peak
5	8852.917	40.99	11.48	52.47	74.00	-21.53	peak
6 *	10807.333	39.27	14.46	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 + 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	1039.167	48.73	-8.24	40.49	74.00	-33.51	peak
2	1618.833	48.72	-6.90	41.82	74.00	-32.18	peak
3	2966.167	45.33	-2.19	43.14	74.00	-30.86	peak
4	6408.917	39.40	7.09	46.49	74.00	-27.51	peak
5	8766.750	40.26	11.34	51.60	74.00	-22.40	peak
6 *	11684.667	38.41	15.11	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.:	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	1050.917	51.70	-8.21	43.49	74.00	-30.51	peak
2	1618.833	52.10	-6.90	45.20	74.00	-28.80	peak
3	2966.167	50.22	-2.19	48.03	74.00	-25.97	peak
4	7298.000	39.65	10.06	49.71	74.00	-24.29	peak
5	9272.000	40.03	12.43	52.46	74.00	-21.54	peak
6 *	12056.750	38.00	15.53	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 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	1031.333	50.47	-8.27	42.20	74.00	-31.80	peak
2	1587.500	47.96	-6.92	41.04	74.00	-32.96	peak
3	2966.167	45.72	-2.19	43.53	74.00	-30.47	peak
4	6401.083	39.25	7.07	46.32	74.00	-27.68	peak
5	8755.000	41.01	11.31	52.32	74.00	-21.68	peak
6 *	11911.833	38.47	15.30	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 + 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	1050.917	50.47	-8.21	42.26	74.00	-31.74	peak
2	1618.833	50.78	-6.90	43.88	74.00	-30.12	peak
3	2966.167	48.53	-2.19	46.34	74.00	-27.66	peak
4	6311.000	39.95	6.71	46.66	74.00	-27.34	peak
5	8018.667	39.38	10.81	50.19	74.00	-23.81	peak
6 *	10838.667	39.09	14.50	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 802.11n(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	1039.167	50.25	-8.24	42.01	74.00	-31.99	peak
2	1618.833	48.33	-6.90	41.43	74.00	-32.57	peak
3	2966.167	45.67	-2.19	43.48	74.00	-30.52	peak
4	6424.583	39.86	7.13	46.99	74.00	-27.01	peak
5	7959.917	39.60	10.78	50.38	74.00	-23.62	peak
6 *	12189.917	37.92	15.71	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(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	1047.000	51.61	-8.22	43.39	74.00	-30.61	peak
2	1618.833	52.31	-6.90	45.41	74.00	-28.59	peak
3	2966.167	49.66	-2.19	47.47	74.00	-26.53	peak
4	6455.917	39.38	7.21	46.59	74.00	-27.41	peak
5	9095.750	39.89	12.01	51.90	74.00	-22.10	peak
6 *	12264.333	37.88	15.65	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 802.11ac(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	1047.000	48.84	-8.22	40.62	74.00	-33.38	peak
2	1618.833	49.29	-6.90	42.39	74.00	-31.61	peak
3	2966.167	45.50	-2.19	43.31	74.00	-30.69	peak
4	5868.417	40.42	5.17	45.59	74.00	-28.41	peak
5	7920.750	40.03	10.69	50.72	74.00	-23.28	peak
6 *	10756.417	39.21	14.36	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 802.11ac(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	1039.167	50.94	-8.24	42.70	74.00	-31.30	peak
2	1618.833	52.06	-6.90	45.16	74.00	-28.84	peak
3	2966.167	48.10	-2.19	45.91	74.00	-28.09	peak
4	6346.250	41.15	6.85	48.00	74.00	-26.00	peak
5	9131.000	40.07	12.14	52.21	74.00	-21.79	peak
6 *	11340.000	38.81	14.83	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 + 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	1047.000	49.09	-8.22	40.87	74.00	-33.13	peak
2	1618.833	48.19	-6.90	41.29	74.00	-32.71	peak
3	2966.167	45.73	-2.19	43.54	74.00	-30.46	peak
4	6201.333	40.02	6.26	46.28	74.00	-27.72	peak
5	8751.083	40.11	11.31	51.42	74.00	-22.58	peak
6 *	12029.333	38.01	15.49	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.:	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	1050.917	51.78	-8.21	43.57	74.00	-30.43	peak
2	1618.833	50.70	-6.90	43.80	74.00	-30.20	peak
3	2966.167	49.80	-2.19	47.61	74.00	-26.39	peak
4	6444.167	40.80	7.18	47.98	74.00	-26.02	peak
5	8426.000	40.31	10.59	50.90	74.00	-23.10	peak
6 *	12534.583	37.74	15.88	53.62	74.00	-20.38	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.:	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	1050.917	50.32	-8.21	42.11	74.00	-31.89	peak
2	1611.000	47.23	-6.91	40.32	74.00	-33.68	peak
3	2966.167	45.21	-2.19	43.02	74.00	-30.98	peak
4	6416.750	40.27	7.11	47.38	74.00	-26.62	peak
5	9624.500	39.63	12.64	52.27	74.00	-21.73	peak
6 *	12389.667	37.95	15.51	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(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	1050.917	52.08	-8.21	43.87	74.00	-30.13	peak
2	1618.833	50.13	-6.90	43.23	74.00	-30.77	peak
3	2966.167	48.62	-2.19	46.43	74.00	-27.57	peak
4	4454.500	41.84	1.26	43.10	74.00	-30.90	peak
5	8022.583	39.56	10.80	50.36	74.00	-23.64	peak
6 *	10897.417	38.96	14.56	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 802.11n(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	1050.917	48.44	-8.21	40.23	74.00	-33.77	peak
2	1614.917	47.99	-6.91	41.08	74.00	-32.92	peak
3	2966.167	45.67	-2.19	43.48	74.00	-30.52	peak
4	4971.500	41.46	2.22	43.68	74.00	-30.32	peak
5	9127.083	40.50	12.12	52.62	74.00	-21.38	peak
6 *	12236.917	37.98	15.68	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(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	1035.250	50.72	-8.25	42.47	74.00	-31.53	peak
2	1595.333	50.65	-6.93	43.72	74.00	-30.28	peak
3	2966.167	48.88	-2.19	46.69	74.00	-27.31	peak
4	6726.167	38.75	7.79	46.54	74.00	-27.46	peak
5	8398.583	40.46	10.54	51.00	74.00	-23.00	peak
6 *	11994.083	38.13	15.44	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.:	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	1050.917	49.75	-8.21	41.54	74.00	-32.46	peak
2	1618.833	48.31	-6.90	41.41	74.00	-32.59	peak
3	2966.167	45.27	-2.19	43.08	74.00	-30.92	peak
4	5602.083	40.01	4.11	44.12	74.00	-29.88	peak
5	9205.417	40.14	12.37	52.51	74.00	-21.49	peak
6 *	12025.417	37.94	15.48	53.42	74.00	-20.58	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	1039.167	52.33	-8.24	44.09	74.00	-29.91	peak
2	1614.917	51.29	-6.91	44.38	74.00	-29.62	peak
3	2966.167	48.55	-2.19	46.36	74.00	-27.64	peak
4	4904.917	41.62	2.13	43.75	74.00	-30.25	peak
5	8003.000	39.96	10.86	50.82	74.00	-23.18	peak
6 *	12068.500	38.01	15.54	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 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	1050.917	48.23	-8.21	40.02	74.00	-33.98	peak
2	1614.917	47.45	-6.91	40.54	74.00	-33.46	peak
3	2966.167	46.00	-2.19	43.81	74.00	-30.19	peak
4	6808.417	39.43	7.96	47.39	74.00	-26.61	peak
5	9181.917	39.72	12.30	52.02	74.00	-21.98	peak
6 *	11618.083	38.38	15.12	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.:	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	1039.167	50.70	-8.24	42.46	74.00	-31.54	peak
2	1618.833	49.58	-6.90	42.68	74.00	-31.32	peak
3	2966.167	48.82	-2.19	46.63	74.00	-27.37	peak
4	7223.583	39.72	10.03	49.75	74.00	-24.25	peak
5	9095.750	39.83	12.01	51.84	74.00	-22.16	peak
6 *	12354.417	38.23	15.54	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 + 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	1050.917	50.14	-8.21	41.93	74.00	-32.07	peak
2	1618.833	50.11	-6.90	43.21	74.00	-30.79	peak
3	2966.167	45.08	-2.19	42.89	74.00	-31.11	peak
4	6526.417	40.30	7.39	47.69	74.00	-26.31	peak
5	9373.833	40.70	12.52	53.22	74.00	-20.78	peak
6 *	11340.000	38.93	14.83	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(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	1039.167	50.42	-8.24	42.18	74.00	-31.82	peak
2	1618.833	50.27	-6.90	43.37	74.00	-30.63	peak
3	2966.167	48.40	-2.19	46.21	74.00	-27.79	peak
4	7826.750	39.83	10.47	50.30	74.00	-23.70	peak
5	9581.417	40.06	12.60	52.66	74.00	-21.34	peak
6 *	11257.750	38.92	14.79	53.71	74.00	-20.29	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	1047.000	49.24	-8.22	41.02	74.00	-32.98	peak
2	2966.167	44.89	-2.19	42.70	74.00	-31.30	peak
3	3925.750	41.27	0.25	41.52	74.00	-32.48	peak
4	7231.417	39.54	10.03	49.57	74.00	-24.43	peak
5	8050.000	39.92	10.75	50.67	74.00	-23.33	peak
6 *	11367.417	38.69	14.84	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.:	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	1050.917	53.69	-8.21	45.48	74.00	-28.52	peak
2	1618.833	52.06	-6.90	45.16	74.00	-28.84	peak
3	2966.167	48.96	-2.19	46.77	74.00	-27.23	peak
4	4047.167	42.30	0.59	42.89	74.00	-31.11	peak
5	7251.000	39.35	10.04	49.39	74.00	-24.61	peak
6 *	12287.833	38.11	15.62	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 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	1050.917	48.66	-8.21	40.45	74.00	-33.55	peak
2	1618.833	48.97	-6.90	42.07	74.00	-31.93	peak
3	2966.167	45.71	-2.19	43.52	74.00	-30.48	peak
4	6424.583	39.23	7.13	46.36	74.00	-27.64	peak
5	7732.750	39.75	10.30	50.05	74.00	-23.95	peak
6 *	11261.667	38.75	14.79	53.54	74.00	-20.46	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	1031.333	51.97	-8.27	43.70	74.00	-30.30	peak
2	1618.833	50.94	-6.90	44.04	74.00	-29.96	peak
3	2966.167	47.91	-2.19	45.72	74.00	-28.28	peak
4	7204.000	39.85	10.02	49.87	74.00	-24.13	peak
5	9162.333	39.64	12.24	51.88	74.00	-22.12	peak
6 *	11383.083	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.:	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	1050.917	49.42	-8.21	41.21	74.00	-32.79	peak
2	1618.833	48.50	-6.90	41.60	74.00	-32.40	peak
3	2966.167	46.27	-2.19	44.08	74.00	-29.92	peak
4	5496.333	39.89	3.73	43.62	74.00	-30.38	peak
5	9644.083	39.54	12.67	52.21	74.00	-21.79	peak
6 *	11947.083	38.13	15.35	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
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	1050.917	50.42	-8.21	42.21	74.00	-31.79	peak
2	1618.833	51.97	-6.90	45.07	74.00	-28.93	peak
3	2966.167	48.94	-2.19	46.75	74.00	-27.25	peak
4	6440.250	39.89	7.17	47.06	74.00	-26.94	peak
5	9166.250	39.59	12.26	51.85	74.00	-22.15	peak
6 *	11520.167	38.78	14.99	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 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	1031.333	49.42	-8.27	41.15	74.00	-32.85	peak
2	1618.833	48.08	-6.90	41.18	74.00	-32.82	peak
3	2966.167	45.22	-2.19	43.03	74.00	-30.97	peak
4	5966.333	40.14	5.53	45.67	74.00	-28.33	peak
5	9311.167	39.79	12.46	52.25	74.00	-21.75	peak
6 *	11951.000	38.10	15.37	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
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	1050.917	50.65	-8.21	42.44	74.00	-31.56	peak
2	1618.833	51.77	-6.90	44.87	74.00	-29.13	peak
3	2966.167	48.33	-2.19	46.14	74.00	-27.86	peak
4	7204.000	39.14	10.02	49.16	74.00	-24.84	peak
5	9174.083	39.85	12.28	52.13	74.00	-21.87	peak
6 *	12362.250	38.06	15.54	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	1050.917	51.37	-8.21	43.16	74.00	-30.84	peak
2	1618.833	48.36	-6.90	41.46	74.00	-32.54	peak
3	2966.167	45.33	-2.19	43.14	74.00	-30.86	peak
4	6377.583	40.88	6.97	47.85	74.00	-26.15	peak
5	9573.583	39.56	12.59	52.15	74.00	-21.85	peak
6 *	12146.833	38.10	15.65	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 802.11n(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	1031.333	51.29	-8.27	43.02	74.00	-30.98	peak
2	1611.000	52.49	-6.91	45.58	74.00	-28.42	peak
3	2966.167	49.75	-2.19	47.56	74.00	-26.44	peak
4	5633.417	41.13	4.25	45.38	74.00	-28.62	peak
5	7215.750	38.89	10.03	48.92	74.00	-25.08	peak
6 *	11269.500	38.86	14.79	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 802.11n(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	1050.917	49.47	-8.21	41.26	74.00	-32.74	peak
2	1618.833	47.94	-6.90	41.04	74.00	-32.96	peak
3	2966.167	45.13	-2.19	42.94	74.00	-31.06	peak
4	6549.917	39.78	7.45	47.23	74.00	-26.77	peak
5	9816.417	40.24	12.96	53.20	74.00	-20.80	peak
6 *	11727.750	38.22	15.10	53.32	74.00	-20.68	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	1039.167	51.28	-8.24	43.04	74.00	-30.96	peak
2	1618.833	51.15	-6.90	44.25	74.00	-29.75	peak
3	2966.167	47.82	-2.19	45.63	74.00	-28.37	peak
4	7239.250	39.27	10.03	49.30	74.00	-24.70	peak
5	9217.167	39.21	12.38	51.59	74.00	-22.41	peak
6 *	11919.667	38.14	15.31	53.45	74.00	-20.55	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	1050.917	49.79	-8.21	41.58	74.00	-32.42	peak
2	1611.000	47.72	-6.91	40.81	74.00	-33.19	peak
3	2966.167	45.15	-2.19	42.96	74.00	-31.04	peak
4	4893.167	42.59	2.11	44.70	74.00	-29.30	peak
5	8758.917	40.19	11.33	51.52	74.00	-22.48	peak
6 *	11539.750	38.57	15.02	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(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	1039.167	51.77	-8.24	43.53	74.00	-30.47	peak
2	1618.833	51.89	-6.90	44.99	74.00	-29.01	peak
3	2966.167	49.77	-2.19	47.58	74.00	-26.42	peak
4	4262.583	41.98	0.86	42.84	74.00	-31.16	peak
5	7270.583	39.06	10.05	49.11	74.00	-24.89	peak
6 *	10811.250	38.85	14.47	53.32	74.00	-20.68	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	1039.167	50.68	-8.24	42.44	74.00	-31.56	peak
2	1618.833	47.83	-6.90	40.93	74.00	-33.07	peak
3	2966.167	44.45	-2.19	42.26	74.00	-31.74	peak
4	5950.667	40.52	5.48	46.00	74.00	-28.00	peak
5	10623.250	38.83	14.08	52.91	74.00	-21.09	peak
6 *	12424.917	37.66	15.57	53.23	74.00	-20.77	peak

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

Ant No.:	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	1050.917	51.31	-8.21	43.10	74.00	-30.90	peak
2	1618.833	50.14	-6.90	43.24	74.00	-30.76	peak
3	2966.167	49.75	-2.19	47.56	74.00	-26.44	peak
4	6463.750	39.31	7.23	46.54	74.00	-27.46	peak
5	9518.750	39.74	12.58	52.32	74.00	-21.68	peak
6 *	12444.500	37.81	15.62	53.43	74.00	-20.57	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	1050.917	49.58	-8.21	41.37	74.00	-32.63	peak
2	1618.833	50.28	-6.90	43.38	74.00	-30.62	peak
3	2966.167	44.52	-2.19	42.33	74.00	-31.67	peak
4	7956.000	40.03	10.77	50.80	74.00	-23.20	peak
5	10016.167	38.94	13.21	52.15	74.00	-21.85	peak
6 *	11896.167	38.48	15.26	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 802.11ac(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	1031.333	53.26	-8.27	44.99	74.00	-29.01	peak
2	1611.000	49.64	-6.91	42.73	74.00	-31.27	peak
3	2966.167	50.33	-2.19	48.14	74.00	-25.86	peak
4	6722.250	39.99	7.78	47.77	74.00	-26.23	peak
5	8006.917	39.65	10.85	50.50	74.00	-23.50	peak
6 *	12095.917	37.91	15.58	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.:	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	1050.917	50.06	-8.21	41.85	74.00	-32.15	peak
2	1614.917	47.62	-6.91	40.71	74.00	-33.29	peak
3	2966.167	44.94	-2.19	42.75	74.00	-31.25	peak
4	6397.167	39.86	7.05	46.91	74.00	-27.09	peak
5	10188.500	39.62	13.57	53.19	74.00	-20.81	peak
6 *	12362.250	37.88	15.54	53.42	74.00	-20.58	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	1031.333	52.43	-8.27	44.16	74.00	-29.84	peak
2	1618.833	51.78	-6.90	44.88	74.00	-29.12	peak
3	2966.167	50.56	-2.19	48.37	74.00	-25.63	peak
4	5707.833	40.46	4.55	45.01	74.00	-28.99	peak
5	9068.333	39.79	11.92	51.71	74.00	-22.29	peak
6 *	12158.583	37.91	15.66	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.:	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	1031.333	51.29	-8.27	43.02	74.00	-30.98	peak
2	1618.833	50.73	-6.90	43.83	74.00	-30.17	peak
3	2966.167	44.47	-2.19	42.28	74.00	-31.72	peak
4	5754.833	40.20	4.75	44.95	74.00	-29.05	peak
5	9150.583	38.87	12.20	51.07	74.00	-22.93	peak
6 *	12041.083	37.89	15.51	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 802.11n(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	1031.333	50.85	-8.27	42.58	74.00	-31.42	peak
2	1618.833	52.01	-6.90	45.11	74.00	-28.89	peak
3	2966.167	49.97	-2.19	47.78	74.00	-26.22	peak
4	6393.250	39.26	7.04	46.30	74.00	-27.70	peak
5	10376.500	39.09	13.85	52.94	74.00	-21.06	peak
6 *	12381.833	38.06	15.52	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.:	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	1050.917	49.59	-8.21	41.38	74.00	-32.62	peak
2	1618.833	48.93	-6.90	42.03	74.00	-31.97	peak
3	2966.167	45.93	-2.19	43.74	74.00	-30.26	peak
4	5331.833	40.88	3.22	44.10	74.00	-29.90	peak
5	9283.750	39.29	12.44	51.73	74.00	-22.27	peak
6 *	12189.917	37.73	15.71	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.:	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	1031.333	53.49	-8.27	45.22	74.00	-28.78	peak
2	2942.667	44.64	-2.24	42.40	74.00	-31.60	peak
3	4724.750	40.98	1.84	42.82	74.00	-31.18	peak
4	7204.000	39.29	10.02	49.31	74.00	-24.69	peak
5	8312.417	41.11	10.45	51.56	74.00	-22.44	peak
6 *	11238.167	38.58	14.78	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 + 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	1039.167	49.12	-8.24	40.88	74.00	-33.12	peak
2	1618.833	47.09	-6.90	40.19	74.00	-33.81	peak
3	2966.167	45.85	-2.19	43.66	74.00	-30.34	peak
4	5214.333	40.40	2.91	43.31	74.00	-30.69	peak
5	7270.583	38.59	10.05	48.64	74.00	-25.36	peak
6 *	11727.750	38.42	15.10	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.:	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	1035.250	51.74	-8.25	43.49	74.00	-30.51	peak
2	1618.833	51.61	-6.90	44.71	74.00	-29.29	peak
3	2966.167	48.49	-2.19	46.30	74.00	-27.70	peak
4	5625.583	41.17	4.21	45.38	74.00	-28.62	peak
5	7482.083	39.35	10.09	49.44	74.00	-24.56	peak
6 *	12323.083	38.11	15.58	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(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	1050.917	49.51	-8.21	41.30	74.00	-32.70	peak
2	1614.917	49.89	-6.91	42.98	74.00	-31.02	peak
3	2966.167	46.04	-2.19	43.85	74.00	-30.15	peak
4	7862.000	39.47	10.56	50.03	74.00	-23.97	peak
5	9150.583	39.84	12.20	52.04	74.00	-21.96	peak
6 *	11990.167	38.10	15.44	53.54	74.00	-20.46	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	1039.167	50.71	-8.24	42.47	74.00	-31.53	peak
2	1618.833	52.45	-6.90	45.55	74.00	-28.45	peak
3	2966.167	49.64	-2.19	47.45	74.00	-26.55	peak
4	5629.500	41.03	4.23	45.26	74.00	-28.74	peak
5	8081.333	39.63	10.67	50.30	74.00	-23.70	peak
6 *	11610.250	38.44	15.13	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.:	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	1054.833	51.53	-8.19	43.34	74.00	-30.66	peak
2	1618.833	49.54	-6.90	42.64	74.00	-31.36	peak
3	2966.167	45.94	-2.19	43.75	74.00	-30.25	peak
4	7207.917	39.78	10.02	49.80	74.00	-24.20	peak
5	8876.417	40.81	11.52	52.33	74.00	-21.67	peak
6 *	12048.917	37.78	15.51	53.29	74.00	-20.71	peak

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

Ant No.:	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	1039.167	52.06	-8.24	43.82	74.00	-30.18	peak
2	1599.250	48.93	-6.93	42.00	74.00	-32.00	peak
3	2966.167	48.67	-2.19	46.48	74.00	-27.52	peak
4	7192.250	39.01	9.98	48.99	74.00	-25.01	peak
5	8758.917	40.93	11.33	52.26	74.00	-21.74	peak
6 *	11986.250	38.14	15.42	53.56	74.00	-20.44	peak

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

3.3. Band Edge Emissions

Limit

Limits of unwanted emission out of the restricted bands

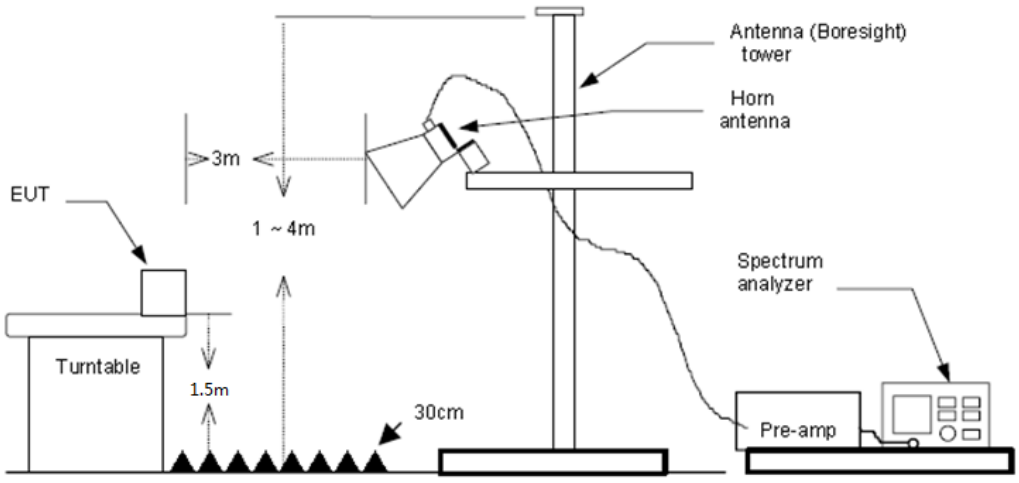
FCC CFR Title 47 Part 15 Subpart C Section 15.407(b)/ RSS-247 6.2.1.2 & RSS-247 6.2.4.2

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

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

2. According to FCC 16-24, All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27dBm/MHz at the band edge.

Test Configuration



Test Procedure

1. The EUT was setup and tested according to ANSI C63.10:2013 requirements.
2. The EUT is placed on a turn table which is 1.5 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
3. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.
4. The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10:2013 on radiated measurement.
5. The receiver set as follow:
   RBW=1MHz, VBW=3MHz PEAK detector for Peak value.
   RBW=1MHz, VBW see note 1 with Peak Detector for Average Value.

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

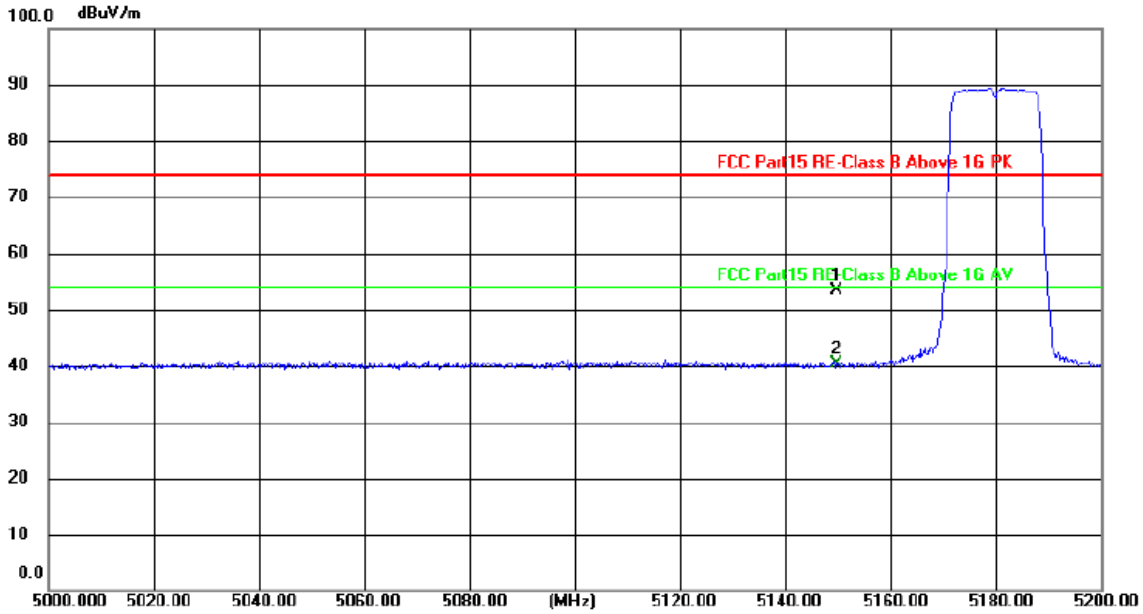
Test Mode

Please refer to the clause 2.4.

Test Results

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

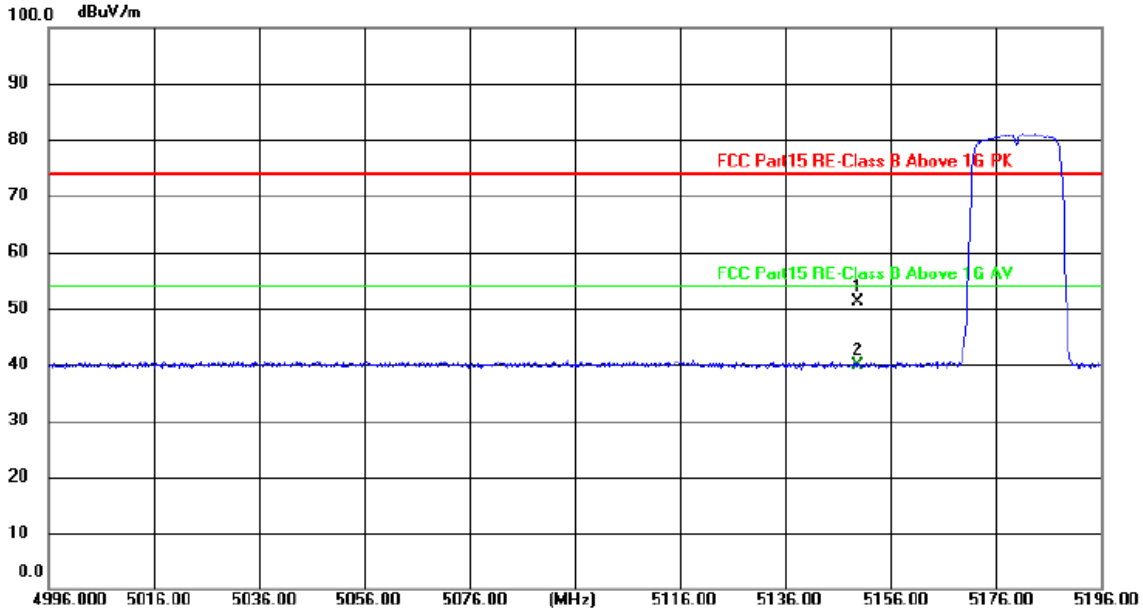
Ant No.:	ANT1
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11a Mode 5180MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	16.09	37.18	53.27	74.00	-20.73	peak
2 *	5150.000	3.12	37.18	40.30	54.00	-13.70	AVG

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

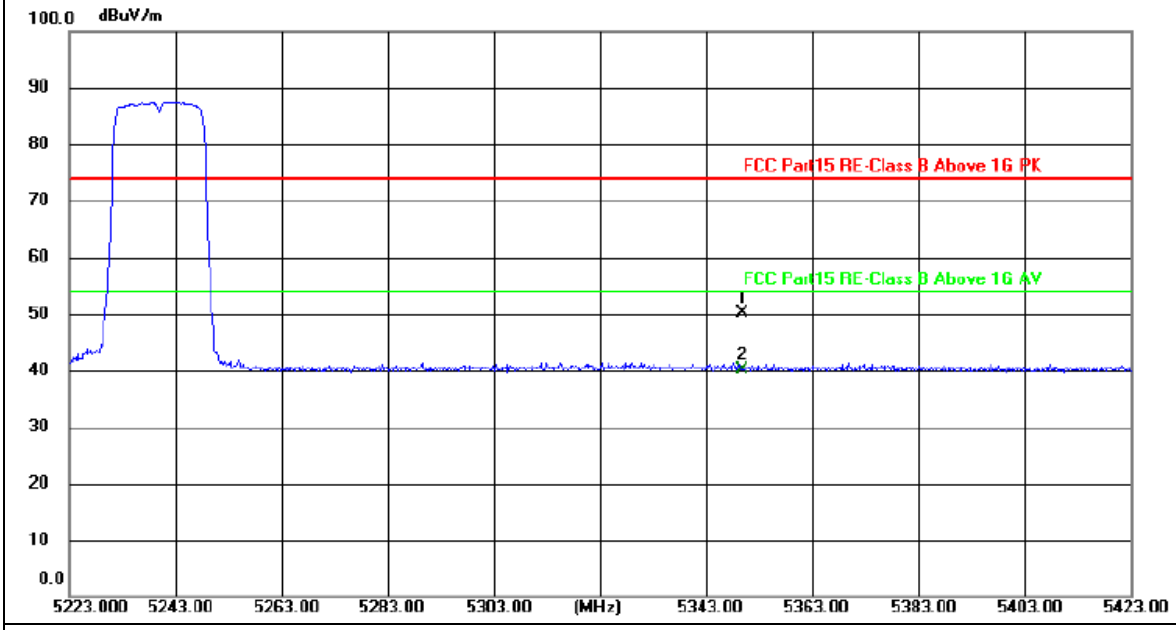
Ant No.:	ANT1
Ant. Pol.:	Vertical
Test Mode:	TX 802.11a Mode 5180MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	13.92	37.18	51.10	74.00	-22.90	peak
2 *	5150.000	2.74	37.18	39.92	54.00	-14.08	AVG

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

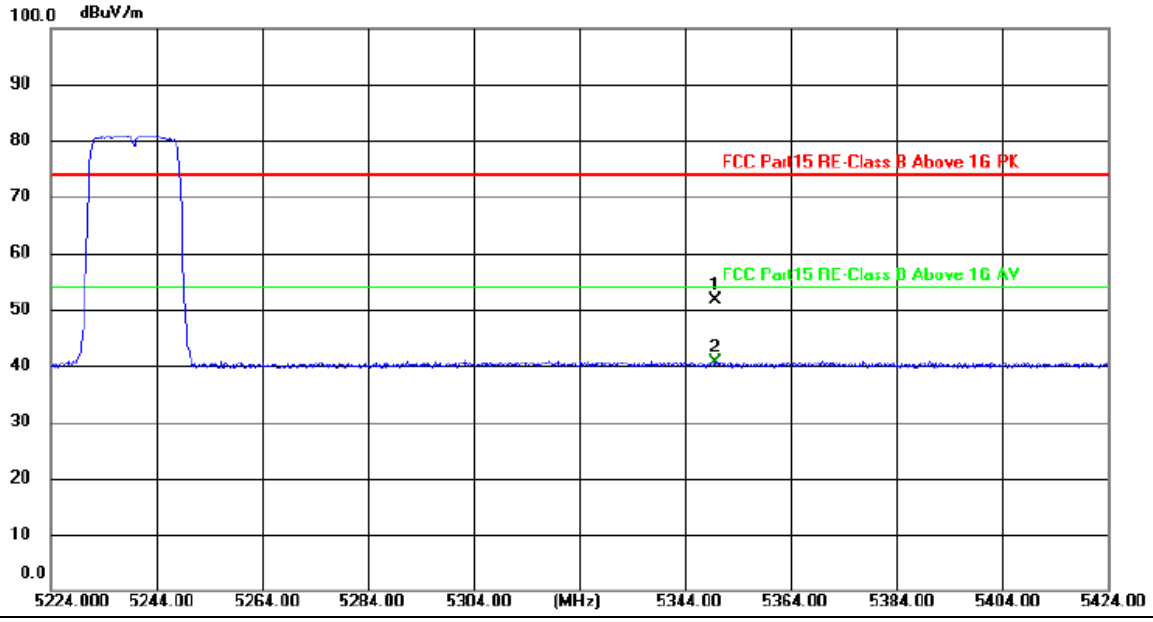
Ant No.:	ANT1
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11a Mode 5240MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5350.000	12.64	37.40	50.04	74.00	-23.96	peak
2 *	5350.000	2.68	37.40	40.08	54.00	-13.92	AVG

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

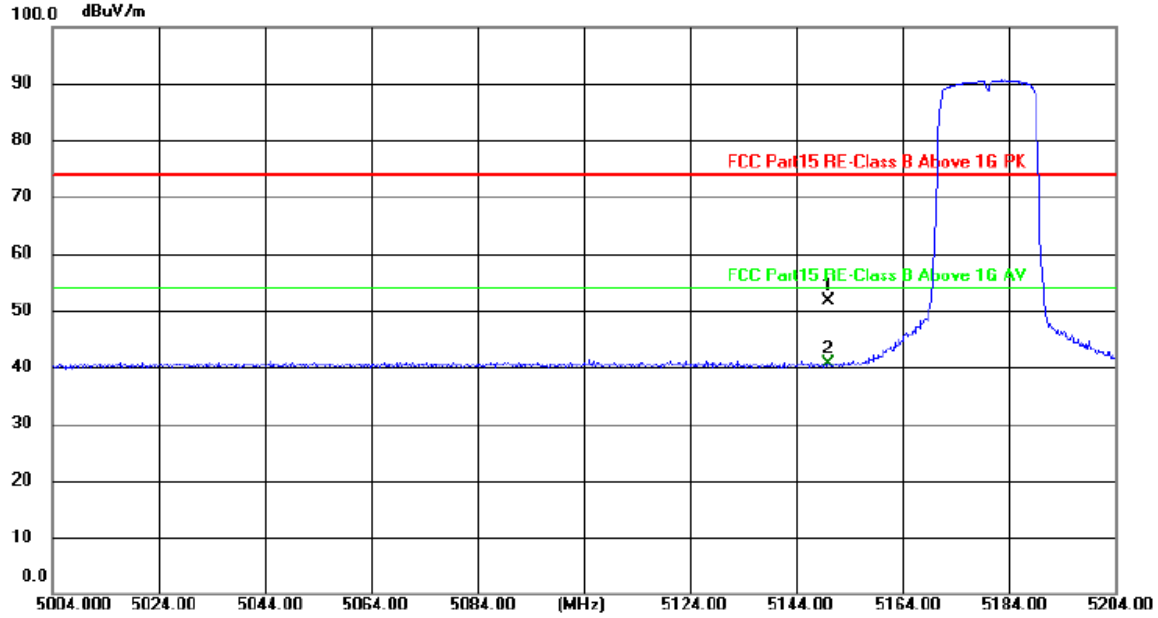
Ant No.:	ANT1
Ant. Pol.:	Vertical
Test Mode:	TX 802.11a Mode 5240MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5350.000	14.18	37.40	51.58	74.00	-22.42	peak
2 *	5350.000	3.23	37.40	40.63	54.00	-13.37	AVG

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

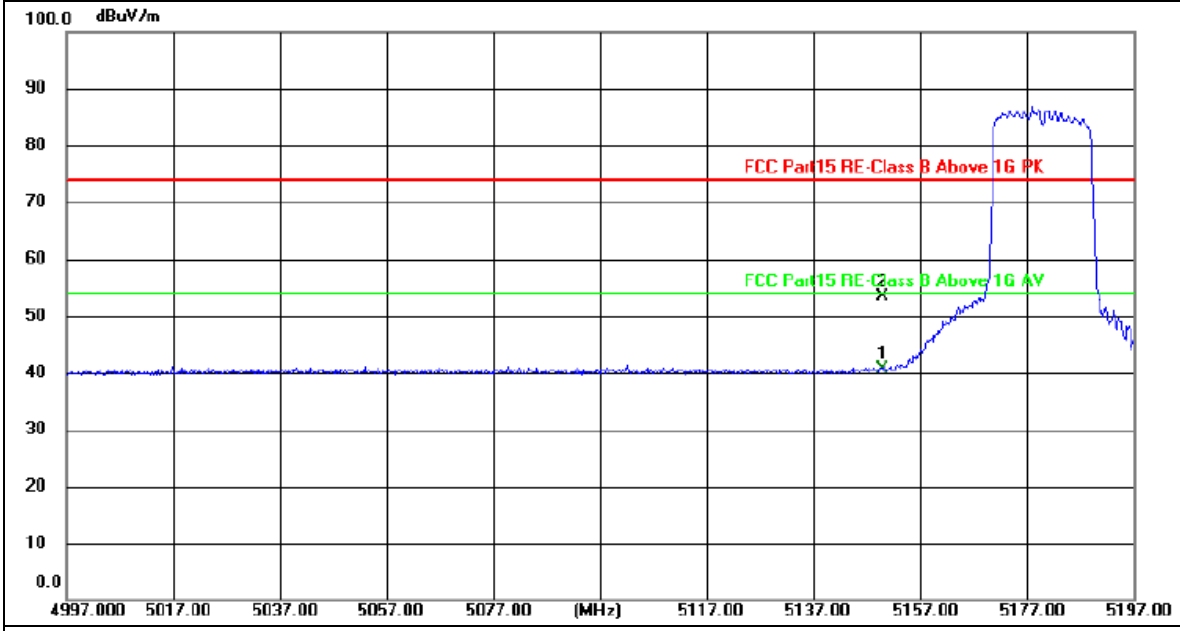
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11n(HT20) Mode 5180MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	14.33	37.18	51.51	74.00	-22.49	peak
2 *	5150.000	3.47	37.18	40.65	54.00	-13.35	AVG

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

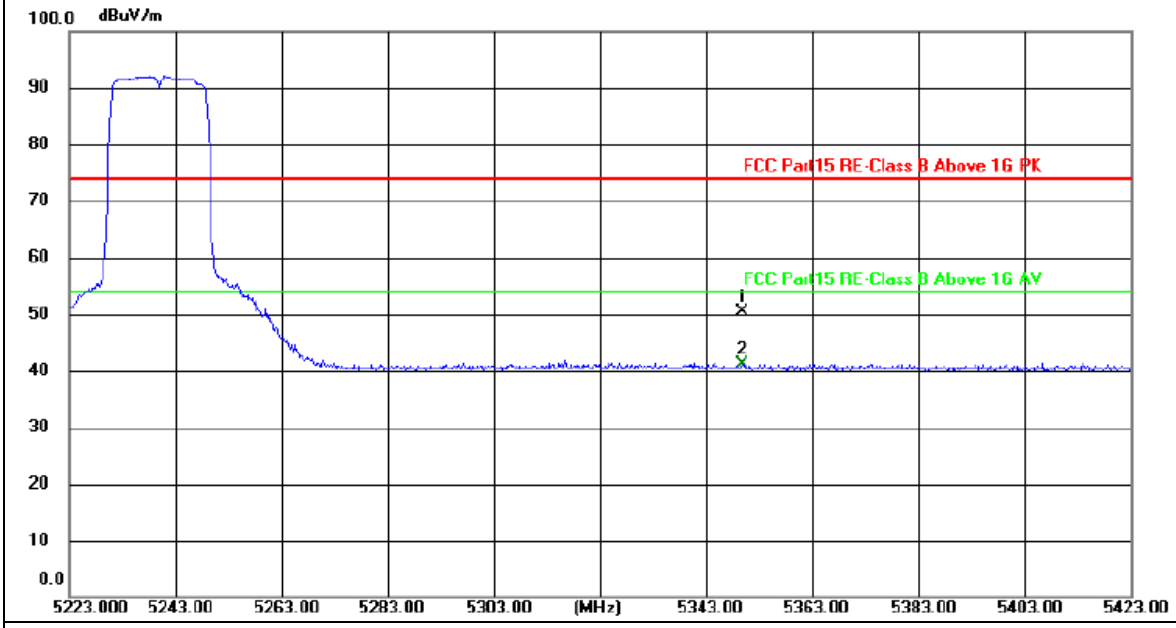
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11n(HT20) Mode 5180MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5150.000	3.56	37.18	40.74	54.00	-13.26	AVG
2	5150.133	16.13	37.18	53.31	74.00	-20.69	peak

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

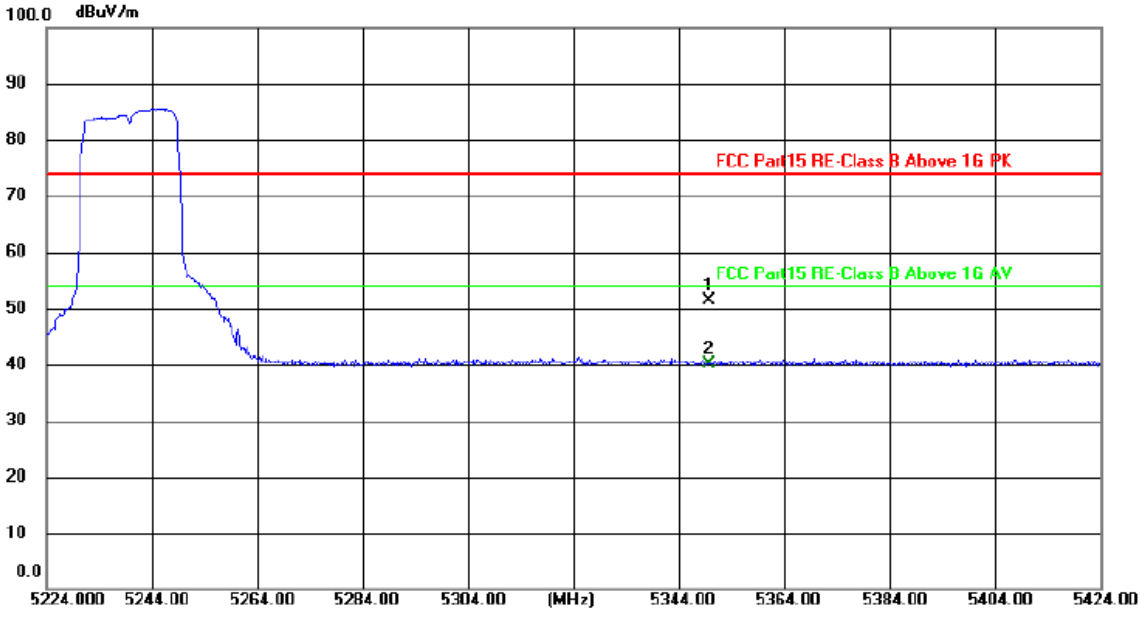
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11n(HT20) Mode 5240MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5350.000	12.93	37.40	50.33	74.00	-23.67	peak
2 *	5350.000	3.63	37.40	41.03	54.00	-12.97	AVG

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

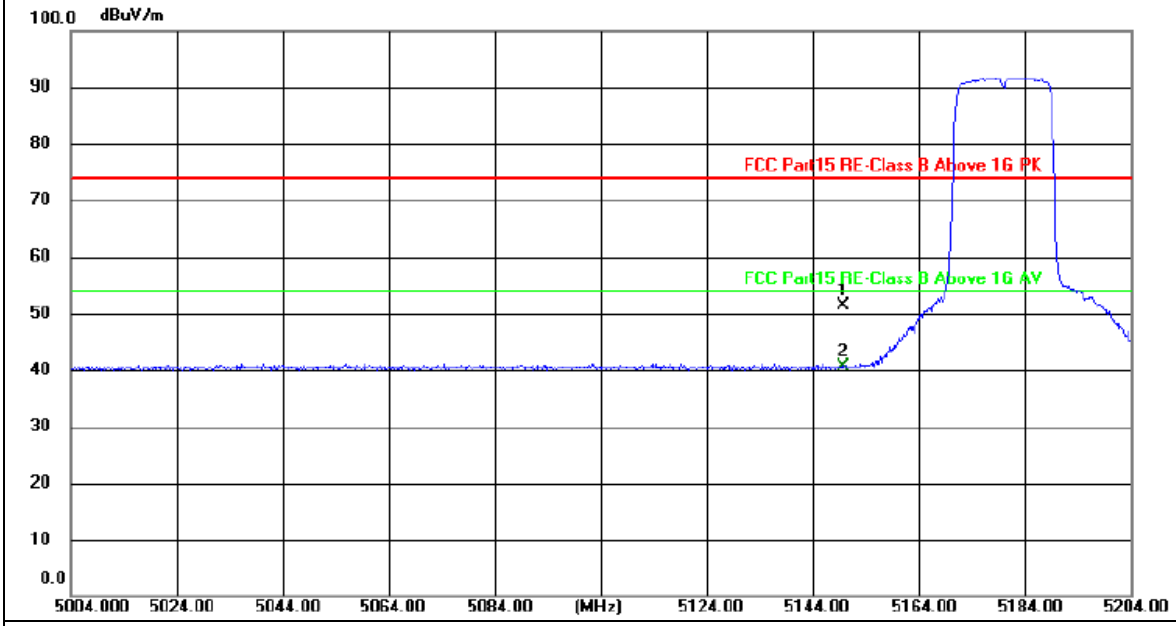
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11n(HT20) Mode 5240MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5350.000	14.08	37.40	51.48	74.00	-22.52	peak
2 *	5350.000	2.76	37.40	40.16	54.00	-13.84	AVG

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

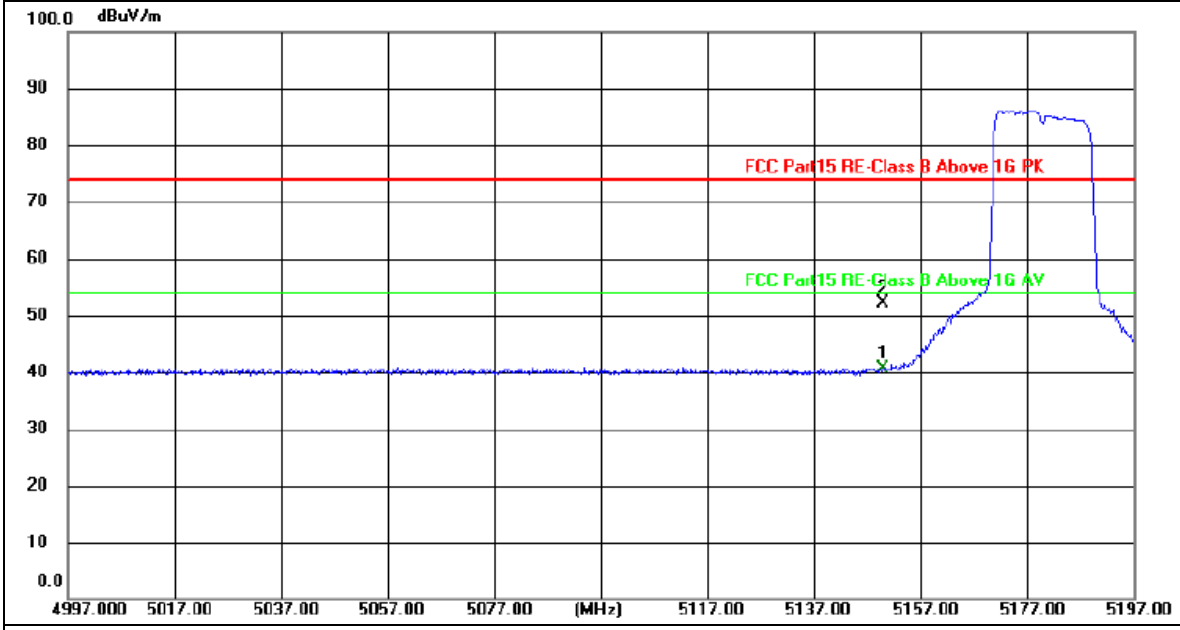
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11ac(VHT20) Mode 5180MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	14.17	37.18	51.35	74.00	-22.65	peak
2 *	5150.000	3.33	37.18	40.51	54.00	-13.49	AVG

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

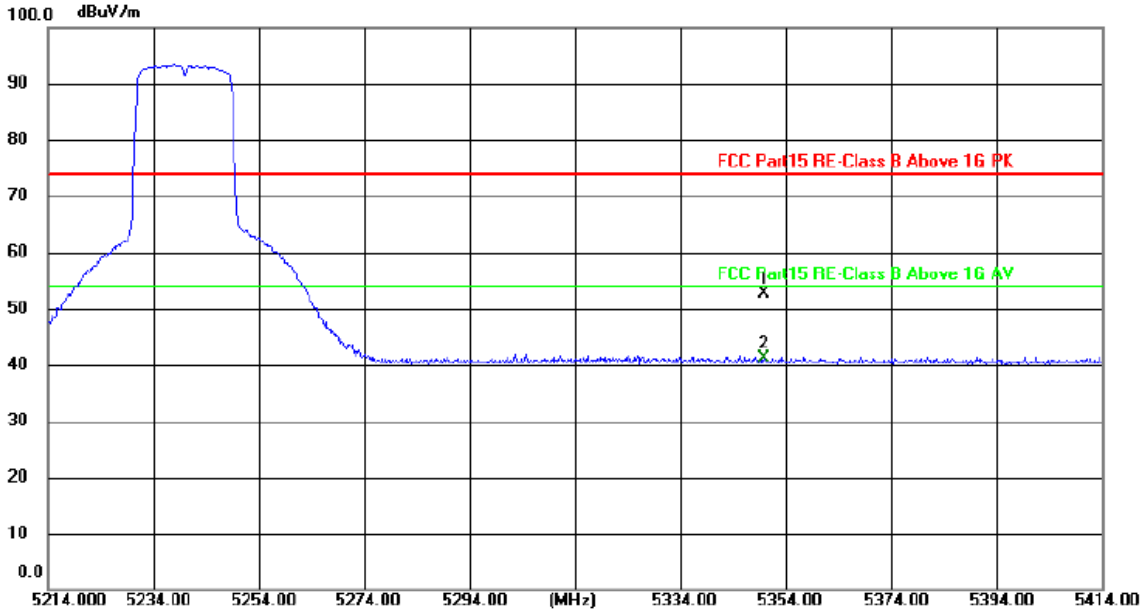
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11ac(VHT20) Mode 5180MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5150.000	3.53	37.18	40.71	54.00	-13.29	AVG
2	5150.133	14.96	37.18	52.14	74.00	-21.86	peak

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

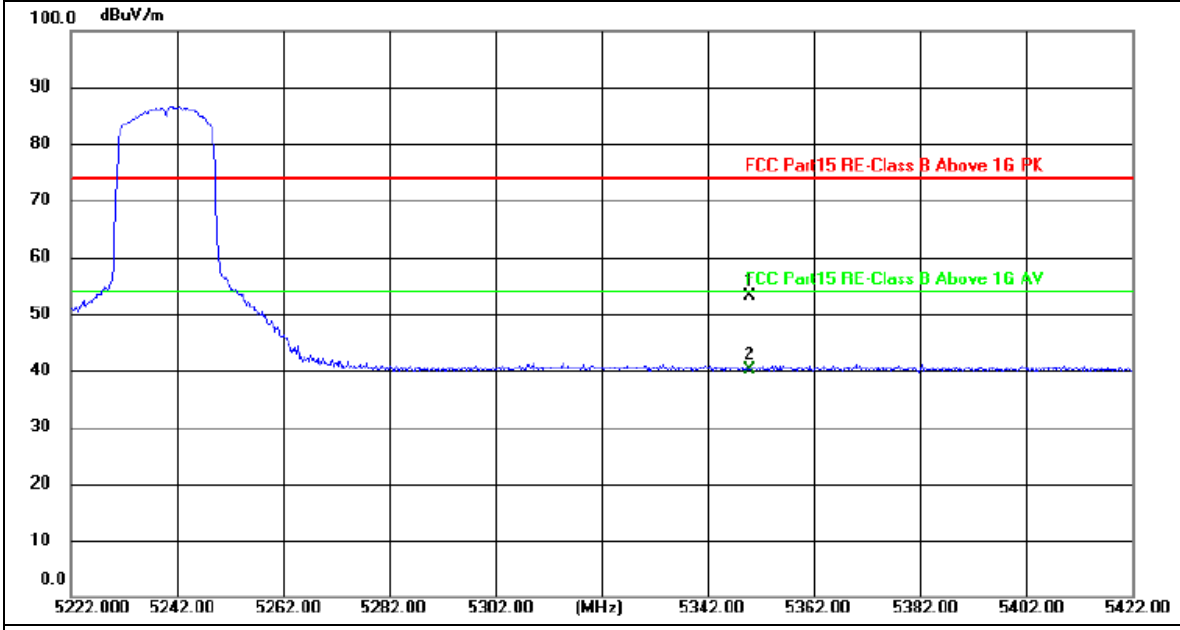
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11ac(VHT20) Mode 5240MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5350.000	15.27	37.40	52.67	74.00	-21.33	peak
2 *	5350.000	3.64	37.40	41.04	54.00	-12.96	AVG

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

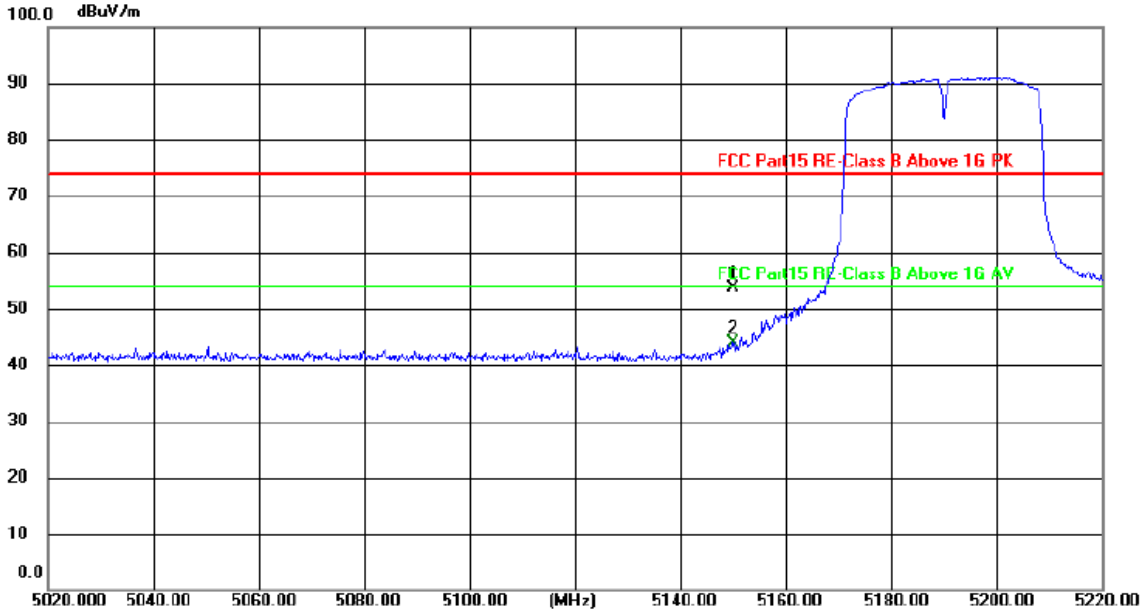
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11ac(VHT20) Mode 5240MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5350.000	15.65	37.40	53.05	74.00	-20.95	peak
2 *	5350.000	2.77	37.40	40.17	54.00	-13.83	AVG

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

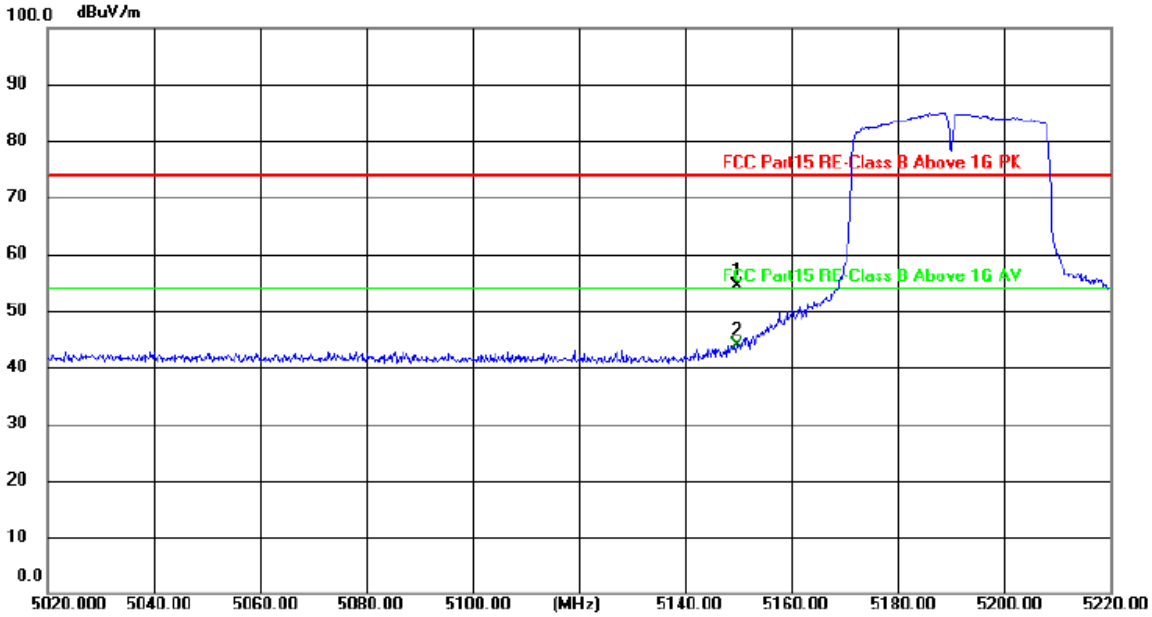
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11n(HT40) Mode 5190MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	16.39	37.18	53.57	74.00	-20.43	peak
2 *	5150.000	6.73	37.18	43.91	54.00	-10.09	AVG

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

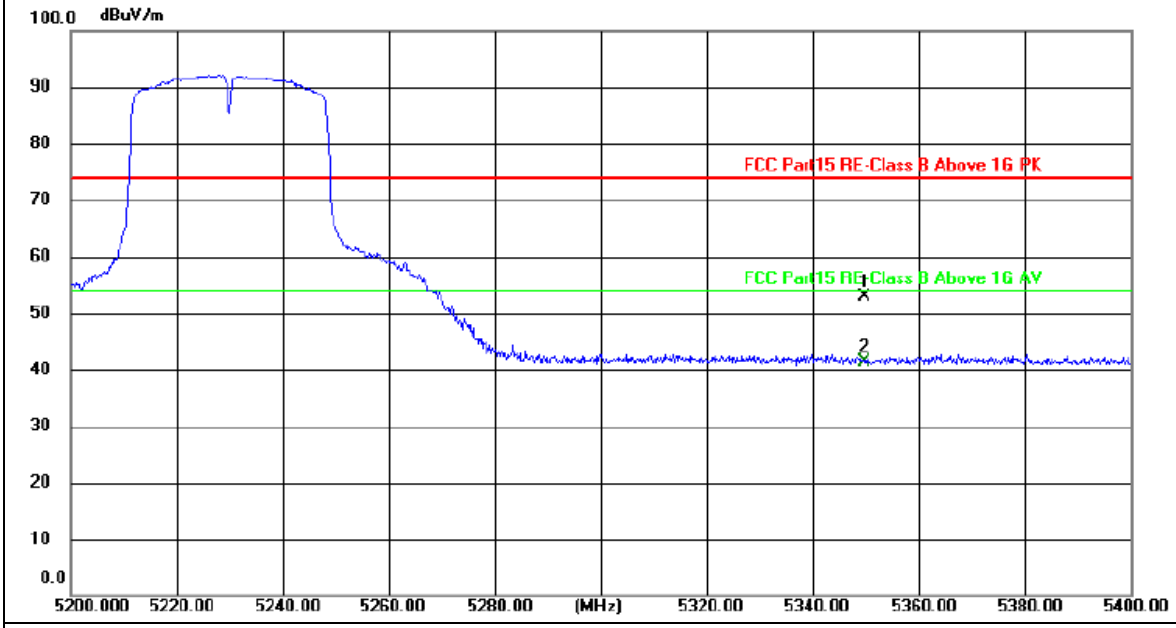
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11n(HT40) Mode 5190MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	17.09	37.18	54.27	74.00	-19.73	peak
2 *	5150.000	6.75	37.18	43.93	54.00	-10.07	AVG

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

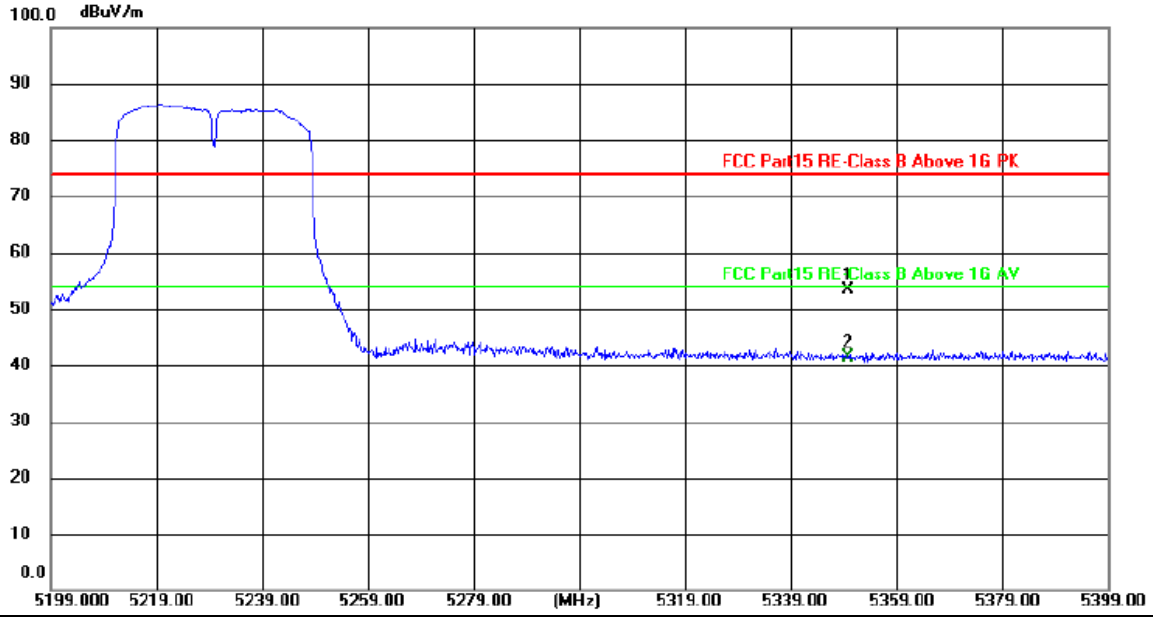
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11n(HT40) Mode 5230MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5350.000	15.50	37.40	52.90	74.00	-21.10	peak
2 *	5350.000	3.87	37.40	41.27	54.00	-12.73	AVG

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

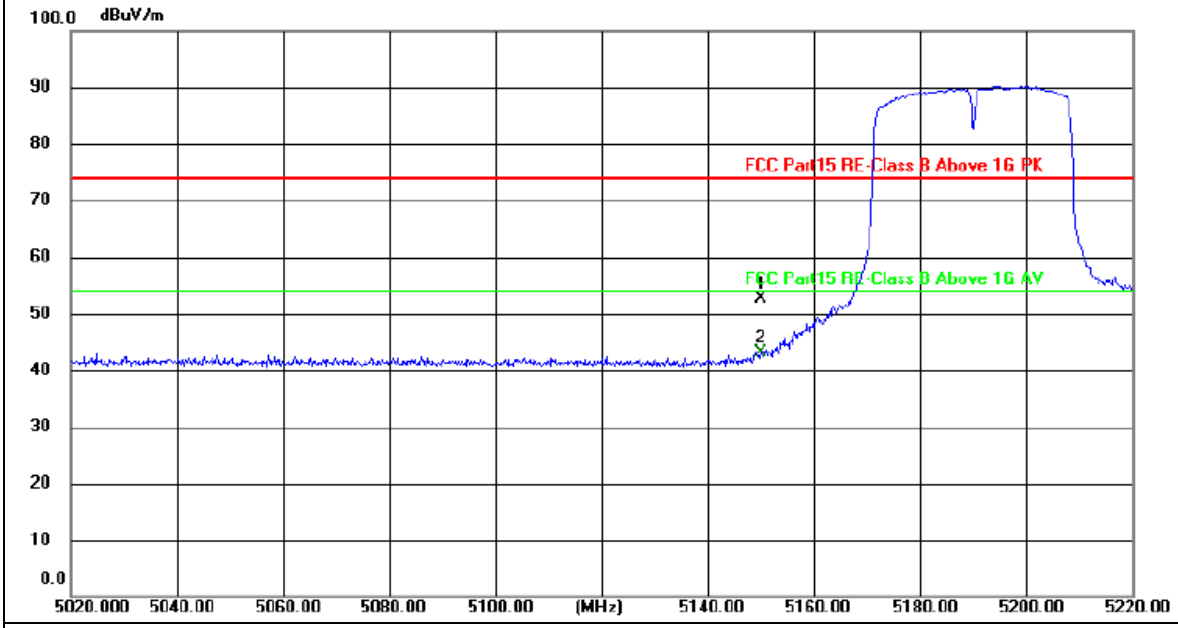
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11n(HT40) Mode 5230MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5350.000	15.96	37.40	53.36	74.00	-20.64	peak
2 *	5350.000	3.92	37.40	41.32	54.00	-12.68	AVG

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

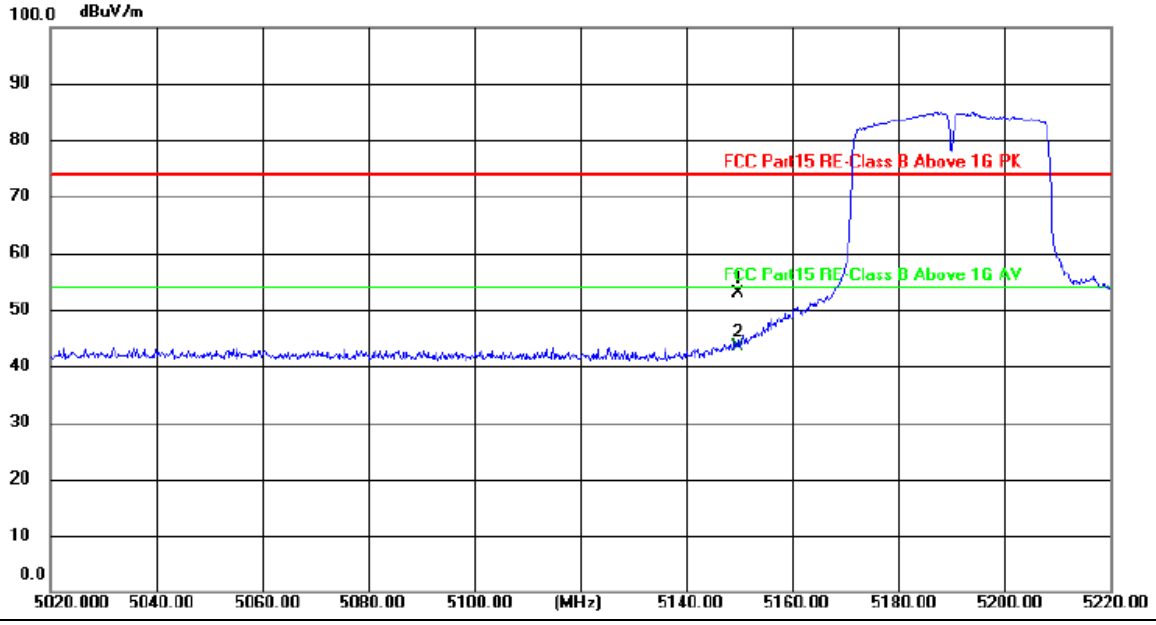
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11ac(VHT40) Mode 5190MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	15.45	37.18	52.63	74.00	-21.37	peak
2 *	5150.000	6.05	37.18	43.23	54.00	-10.77	AVG

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

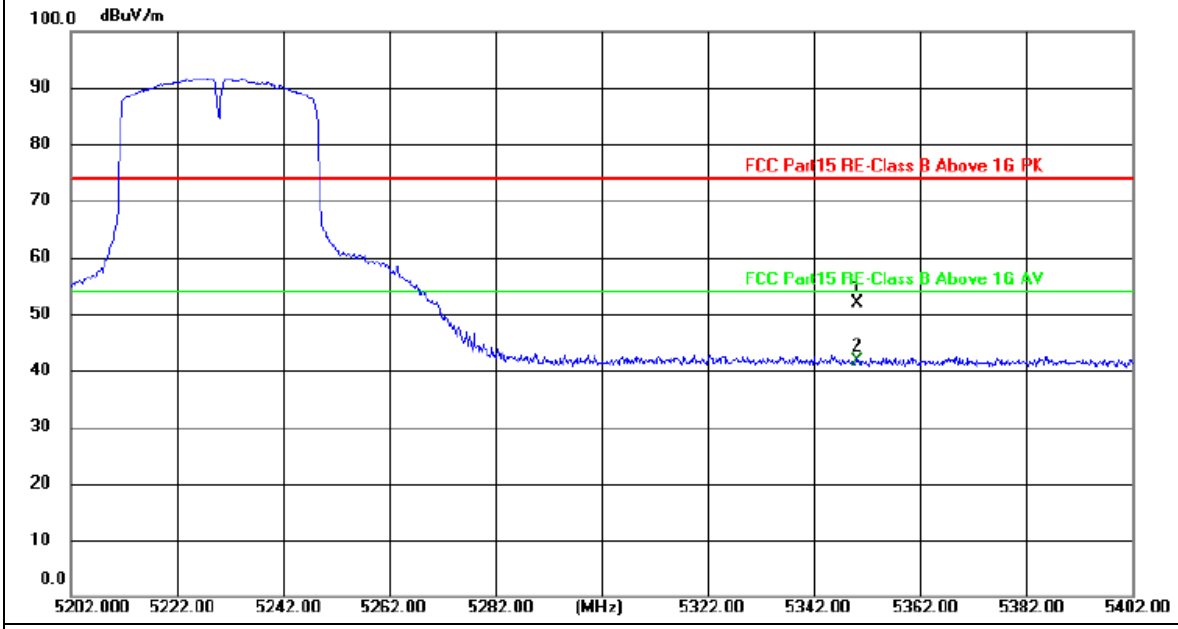
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11ac(VHT40) Mode 5190MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	15.66	37.18	52.84	74.00	-21.16	peak
2 *	5150.000	6.22	37.18	43.40	54.00	-10.60	AVG

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

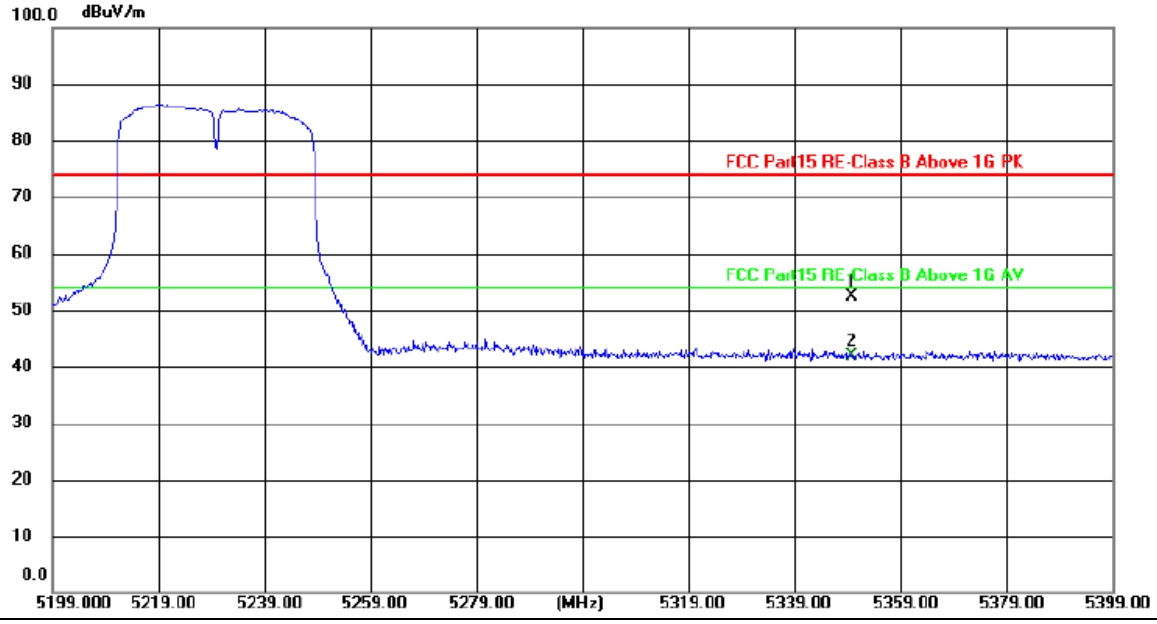
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11ac(VHT40) Mode 5230MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5350.000	14.51	37.40	51.91	74.00	-22.09	peak
2 *	5350.000	4.26	37.40	41.66	54.00	-12.34	AVG

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

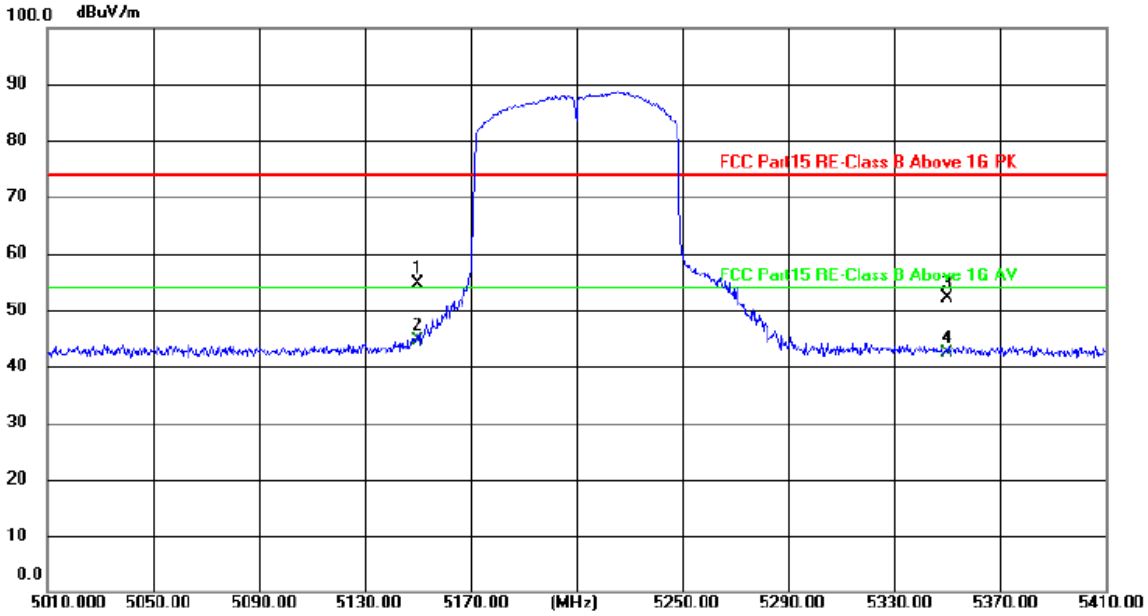
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11ac(VHT40) Mode 5230MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5350.000	14.94	37.40	52.34	74.00	-21.66	peak
2 *	5350.000	4.60	37.40	42.00	54.00	-12.00	AVG

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

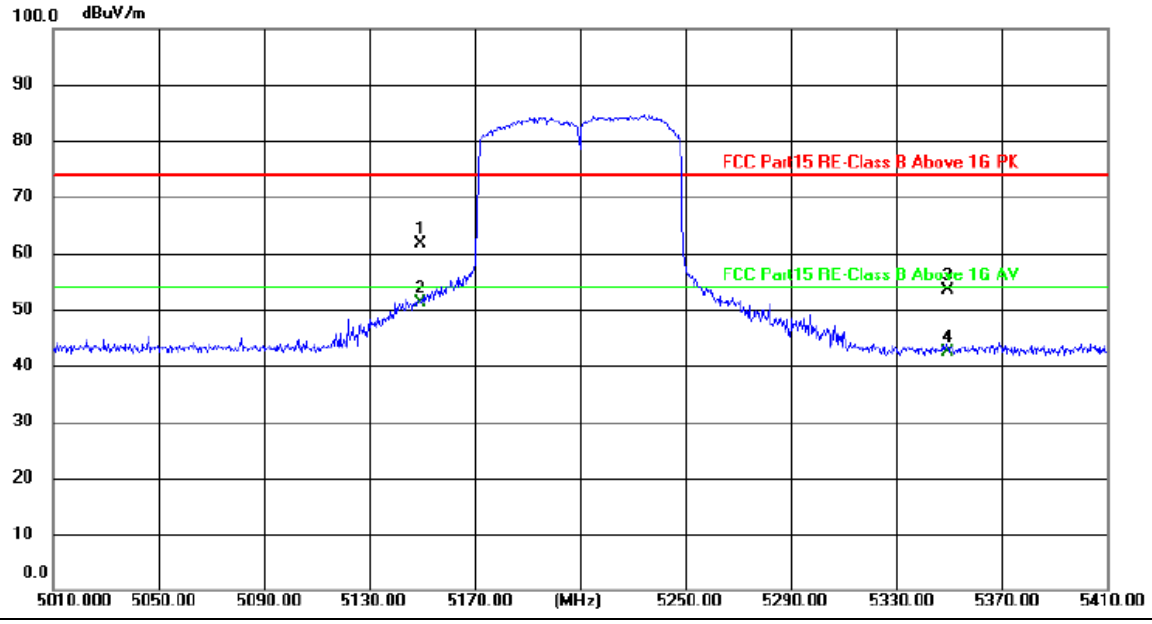
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11ac(VHT80) Mode 5210MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	17.46	37.18	54.64	74.00	-19.36	peak
2 *	5150.000	7.54	37.18	44.72	54.00	-9.28	AVG
3	5350.000	14.80	37.40	52.20	74.00	-21.80	peak
4	5350.000	4.93	37.40	42.33	54.00	-11.67	AVG

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

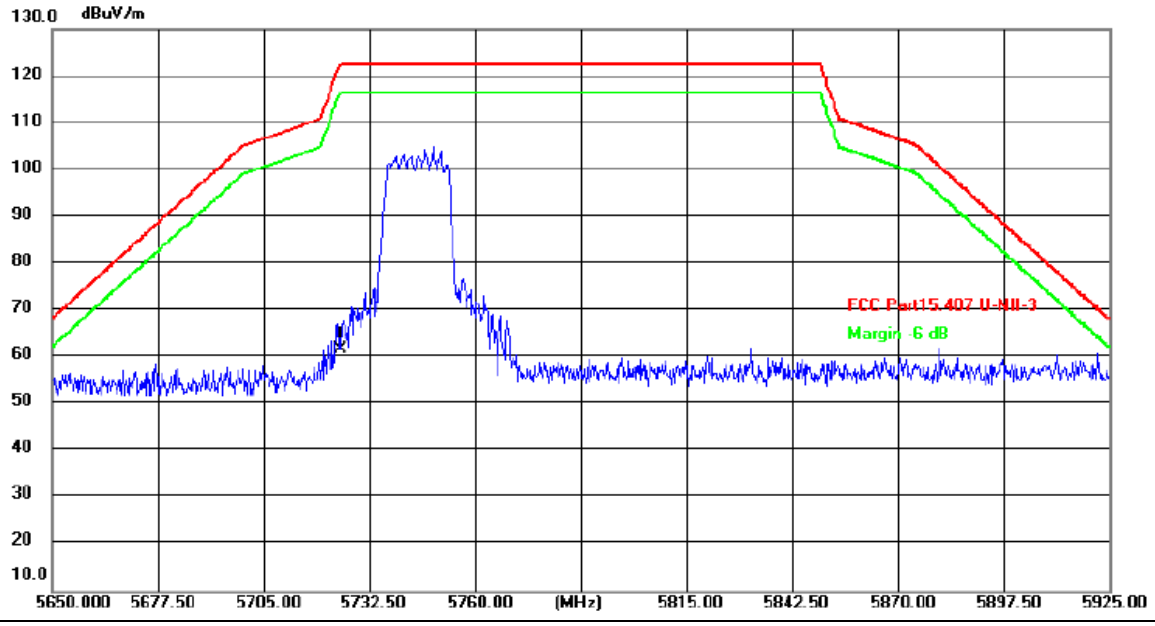
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11ac(VHT80) Mode 5210MHz (U-NII-1)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5150.000	24.35	37.18	61.53	74.00	-12.47	peak
2 *	5150.000	13.89	37.18	51.07	54.00	-2.93	AVG
3	5350.000	15.98	37.40	53.38	74.00	-20.62	peak
4	5350.000	5.07	37.40	42.47	54.00	-11.53	AVG

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

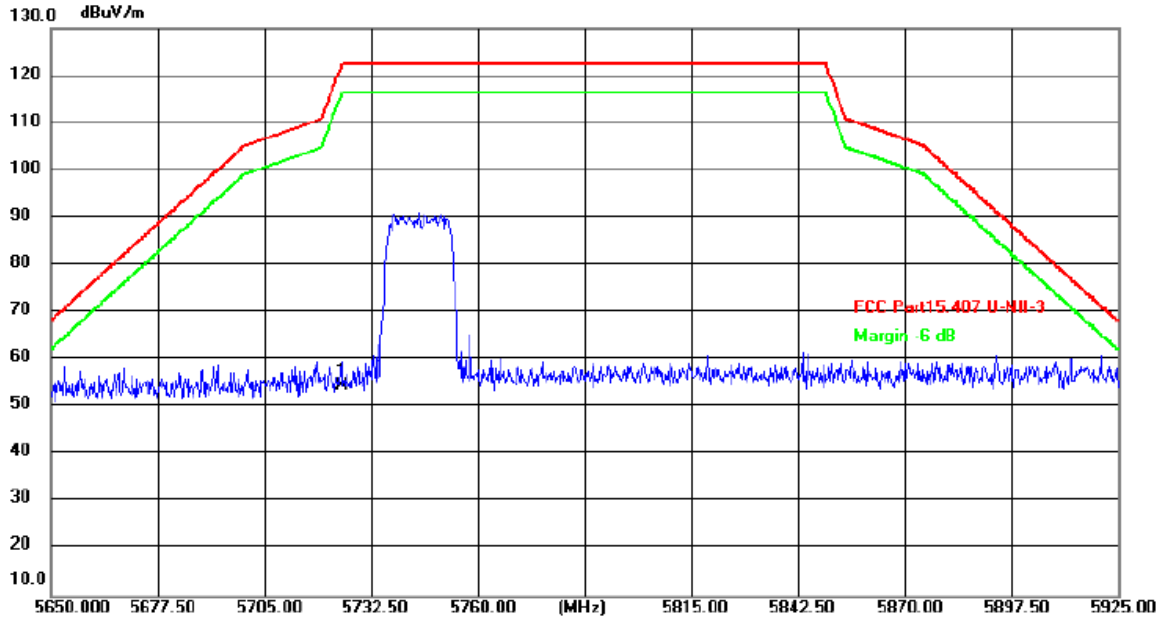
Ant No.:	ANT1
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11a Mode 5745MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5725.000	23.66	38.16	61.82	122.20	-60.38	peak

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

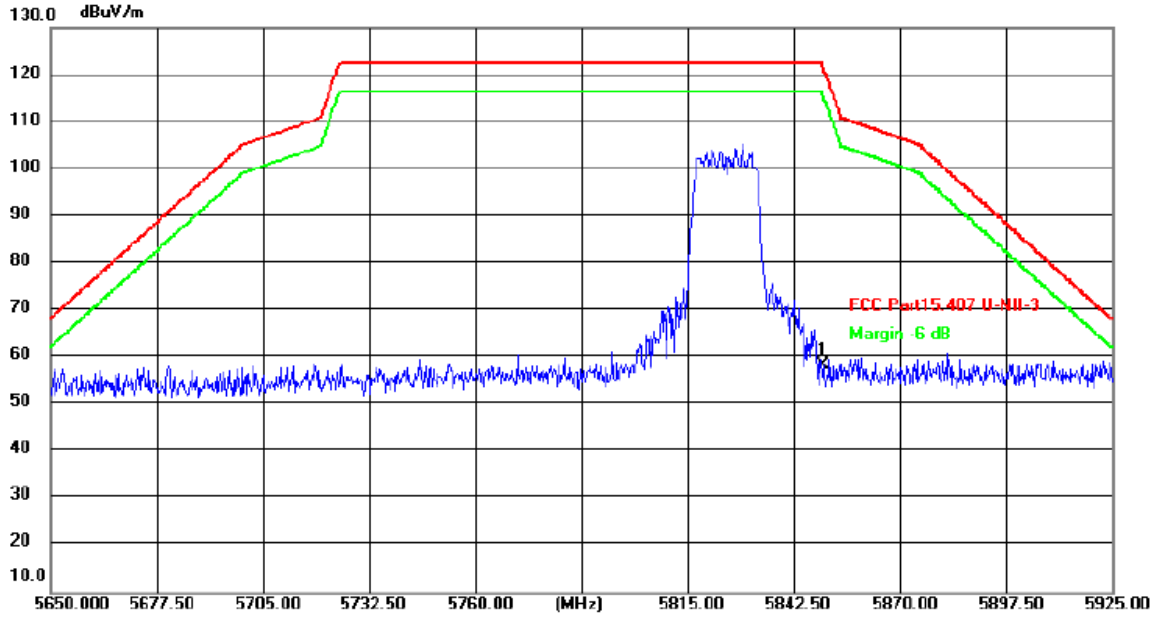
Ant No.:	ANT1
Ant. Pol.:	Vertical
Test Mode:	TX 802.11a Mode 5745MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5725.000	16.45	38.16	54.61	122.20	-67.59	peak

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

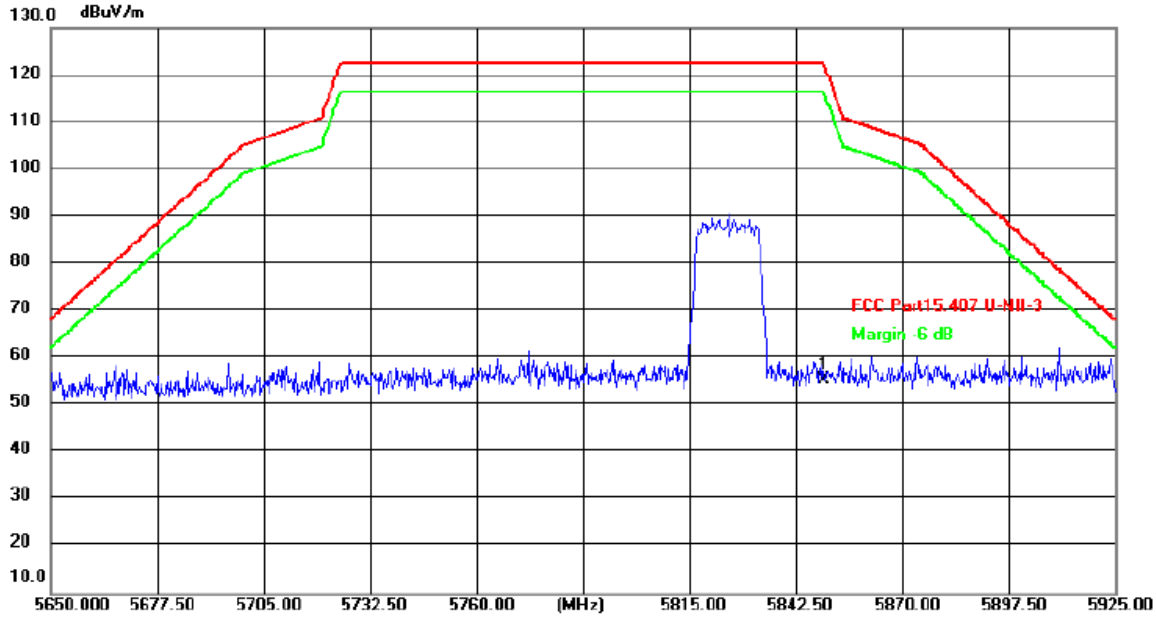
Ant No.:	ANT1
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11a Mode 5825MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5850.000	20.07	38.44	58.51	122.20	-63.69	peak

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

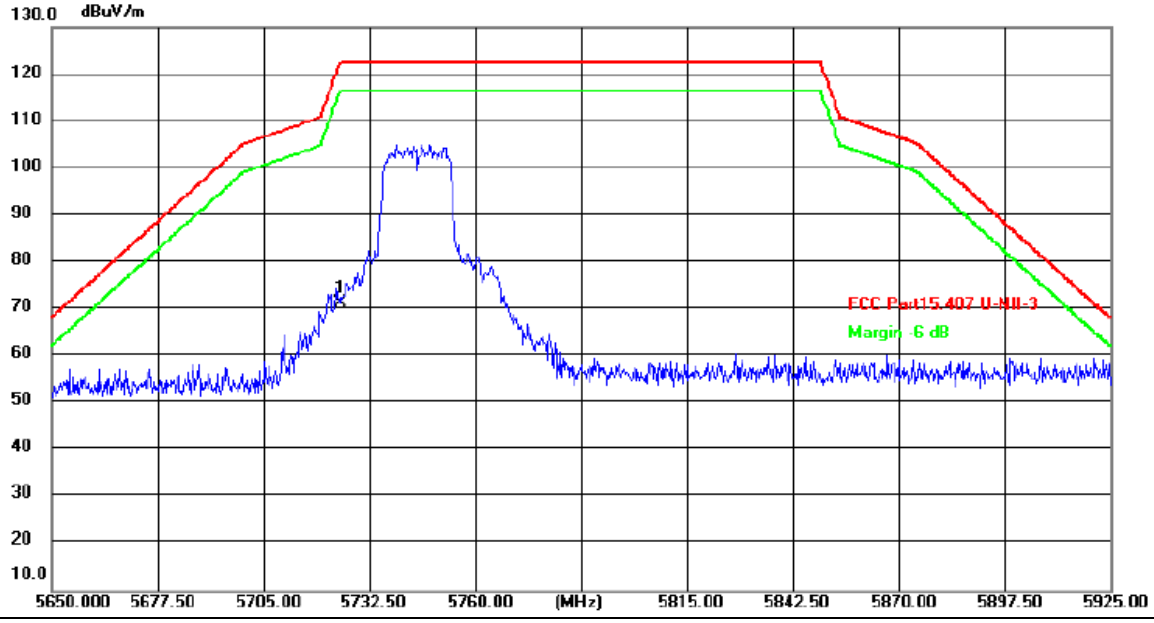
Ant No.:	ANT1
Ant. Pol.:	Vertical
Test Mode:	TX 802.11a Mode 5825MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5850.000	16.91	38.44	55.35	122.20	-66.85	peak

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

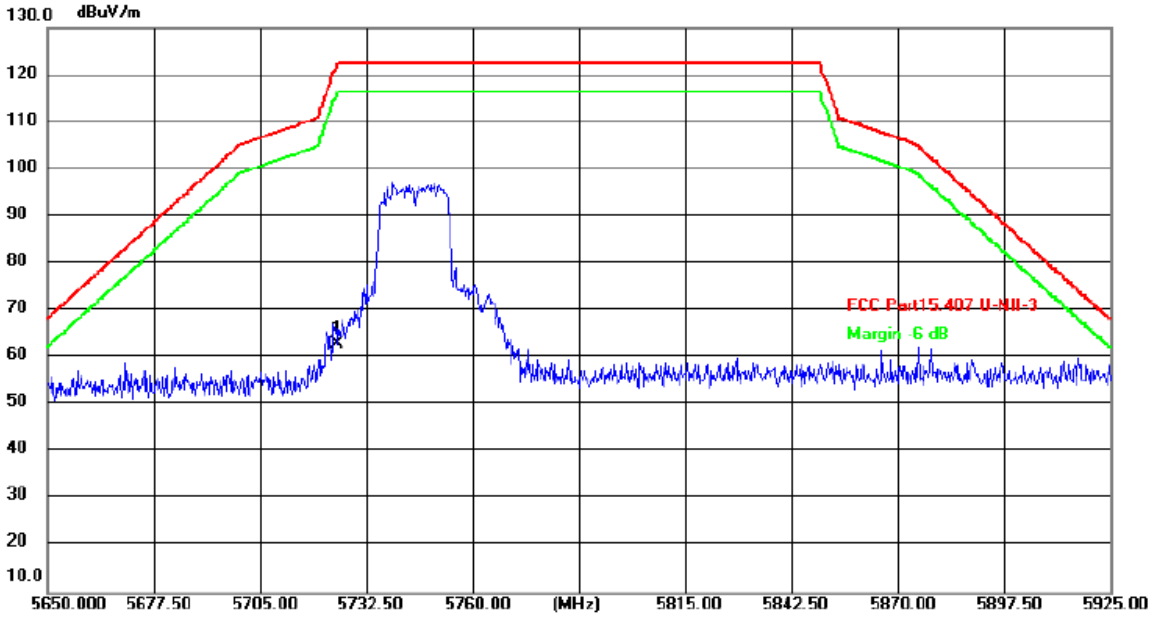
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11n(HT20) Mode 5745MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5725.000	33.11	38.16	71.27	122.20	-50.93	peak

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

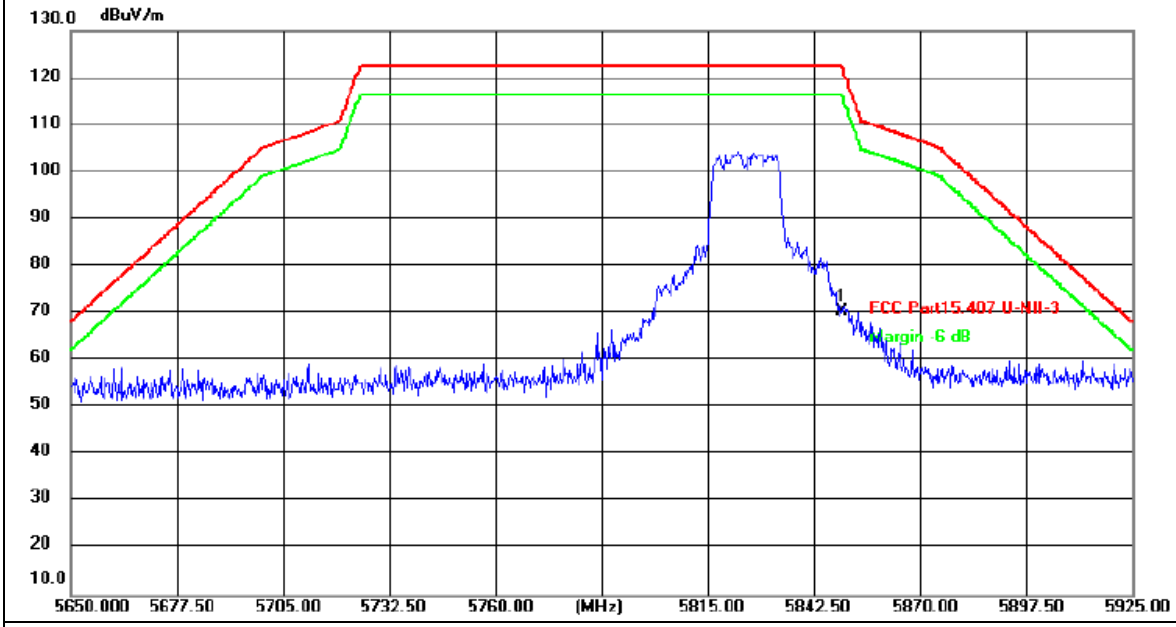
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11n(HT20) Mode 5745MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5725.000	24.71	38.16	62.87	122.20	-59.33	peak

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

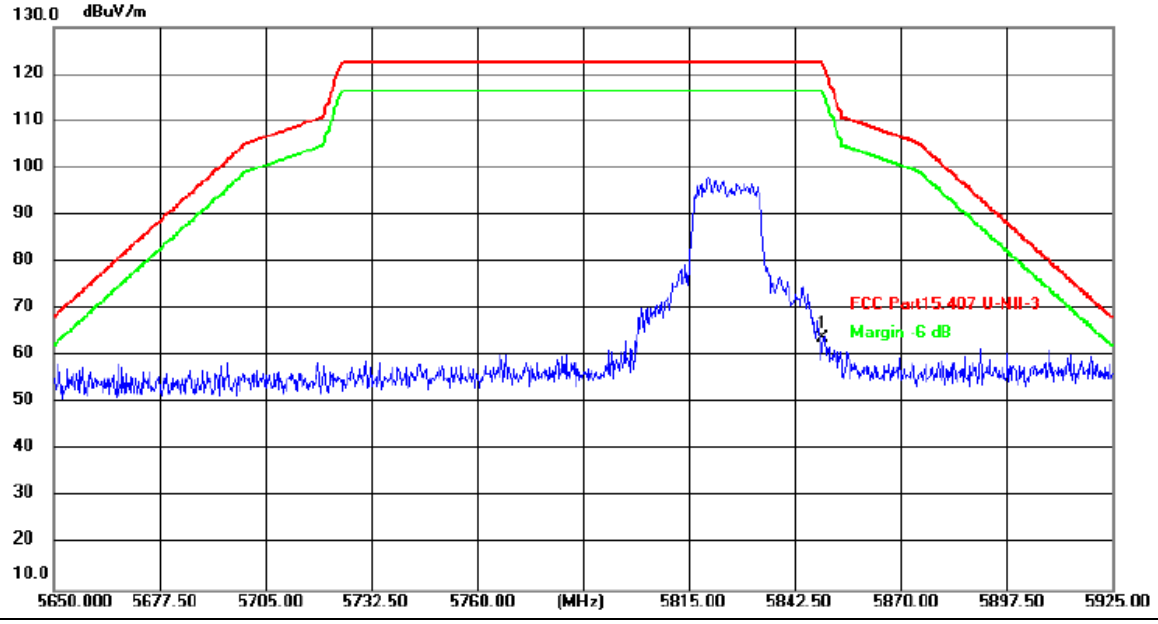
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11n(HT20) Mode 5825MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5850.000	32.09	38.44	70.53	122.20	-51.67	peak

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

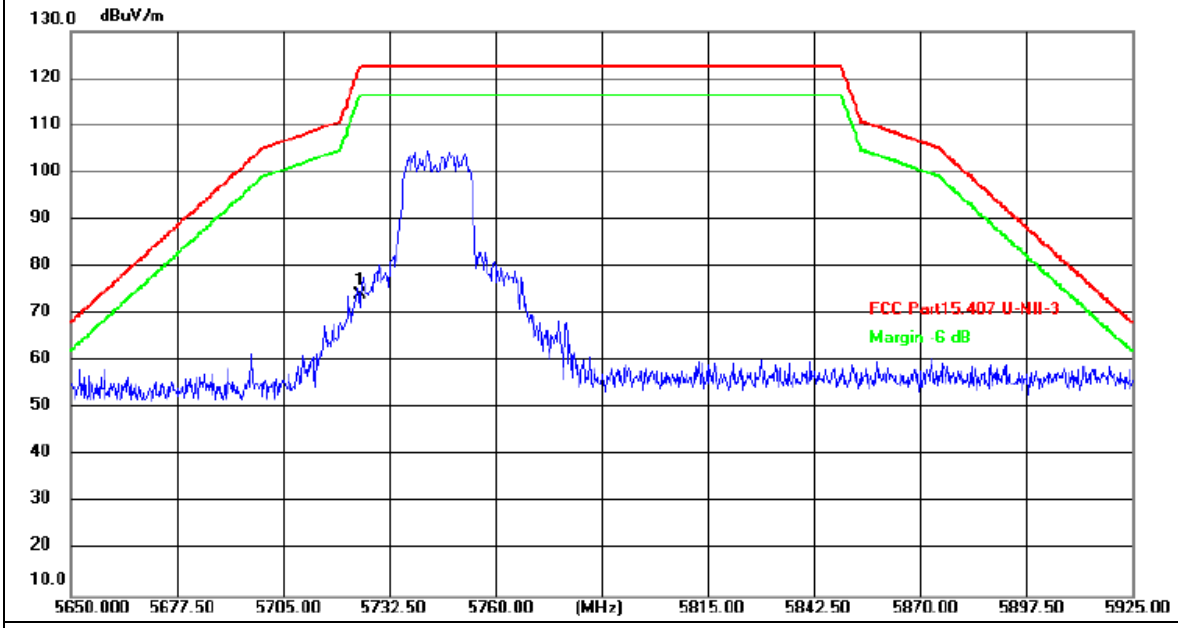
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11n(HT20) Mode 5825MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5850.000	25.37	38.44	63.81	122.20	-58.39	peak

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

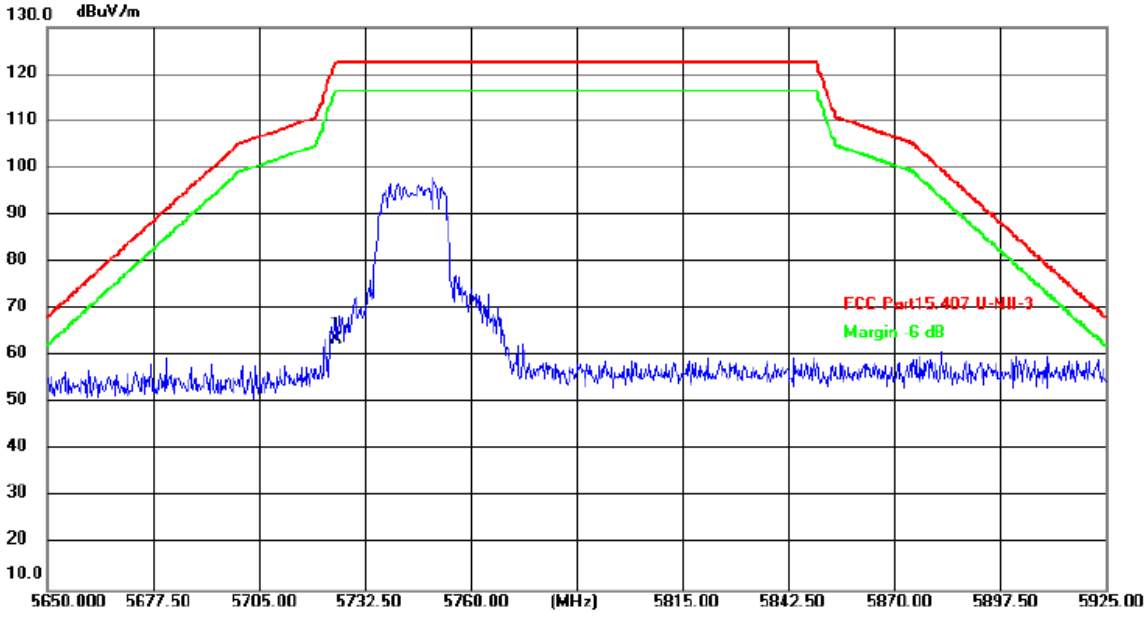
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11ac(VHT20) Mode 5745MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5725.000	35.92	38.16	74.08	122.20	-48.12	peak

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

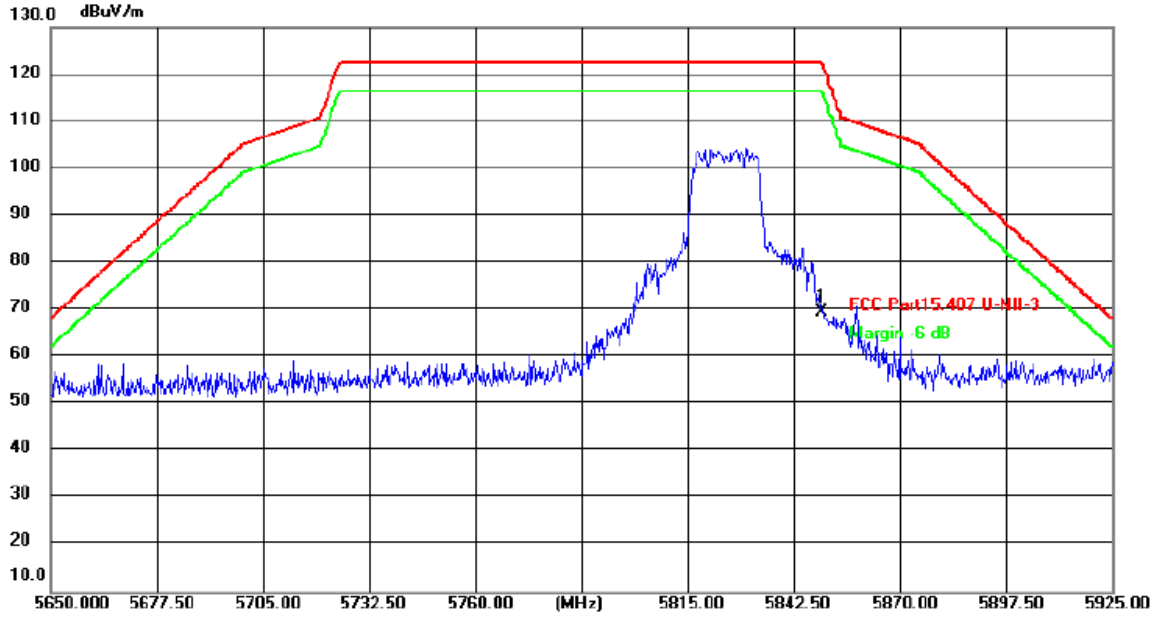
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11ac(VHT20) Mode 5745MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5725.000	25.37	38.16	63.53	122.20	-58.67	peak

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

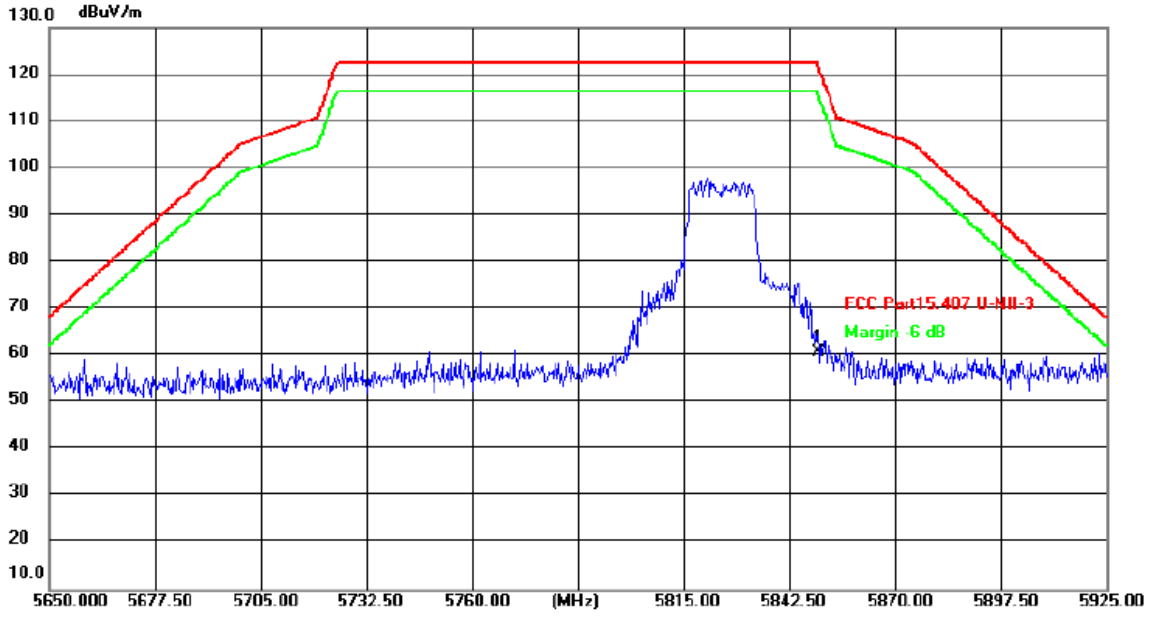
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11ac(VHT20) Mode 5825MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5850.000	31.17	38.44	69.61	122.20	-52.59	peak

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

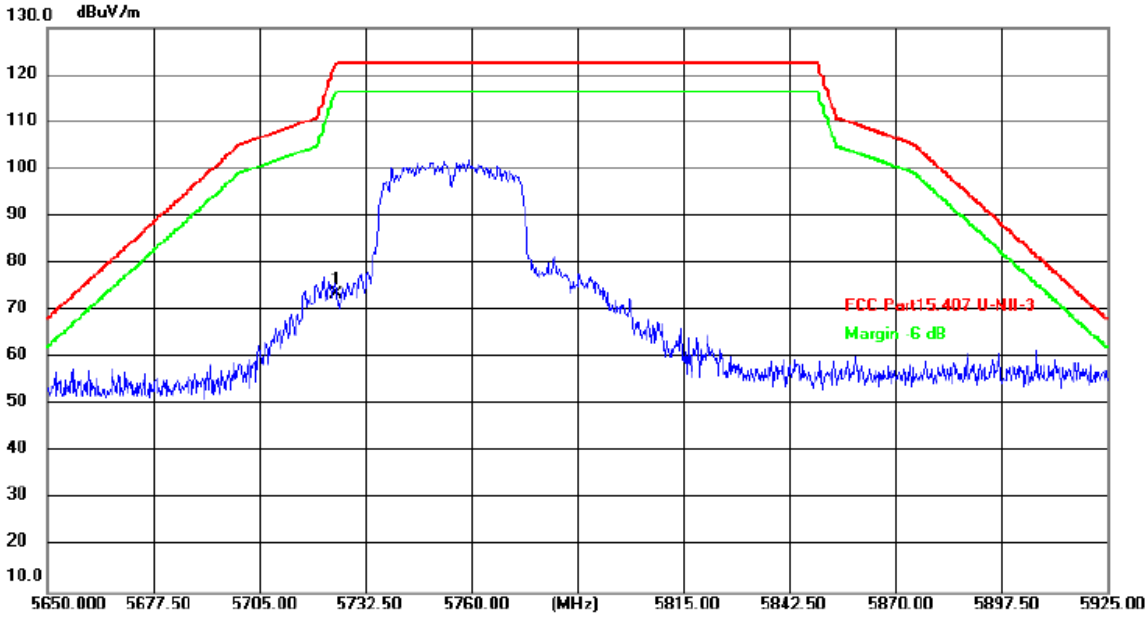
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11ac(VHT20) Mode 5825MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5850.000	22.28	38.44	60.72	122.20	-61.48	peak

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

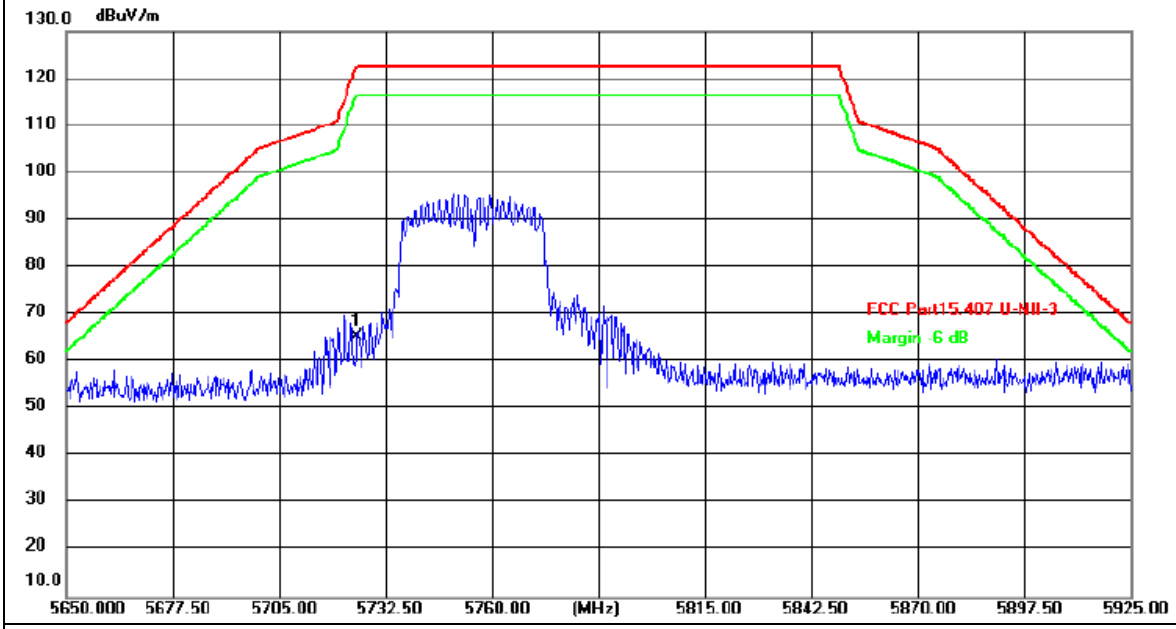
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11n(HT40) Mode 5755MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5725.000	35.41	38.16	73.57	122.20	-48.63	peak

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

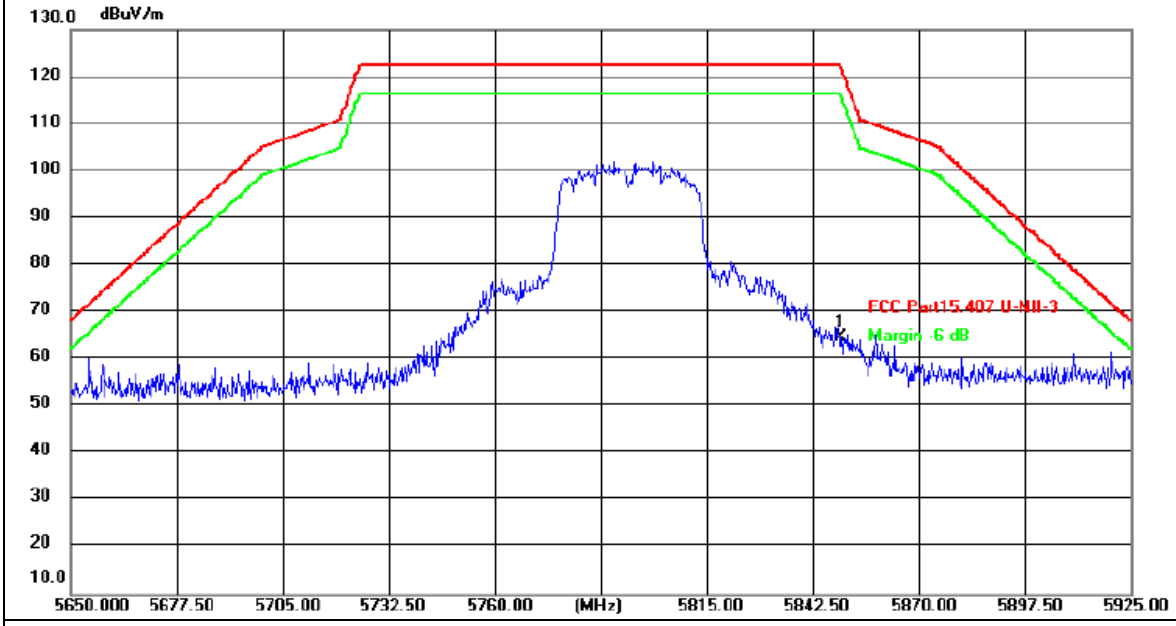
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11n(HT40) Mode 5755MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5725.000	27.24	38.16	65.40	122.20	-56.80	peak

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

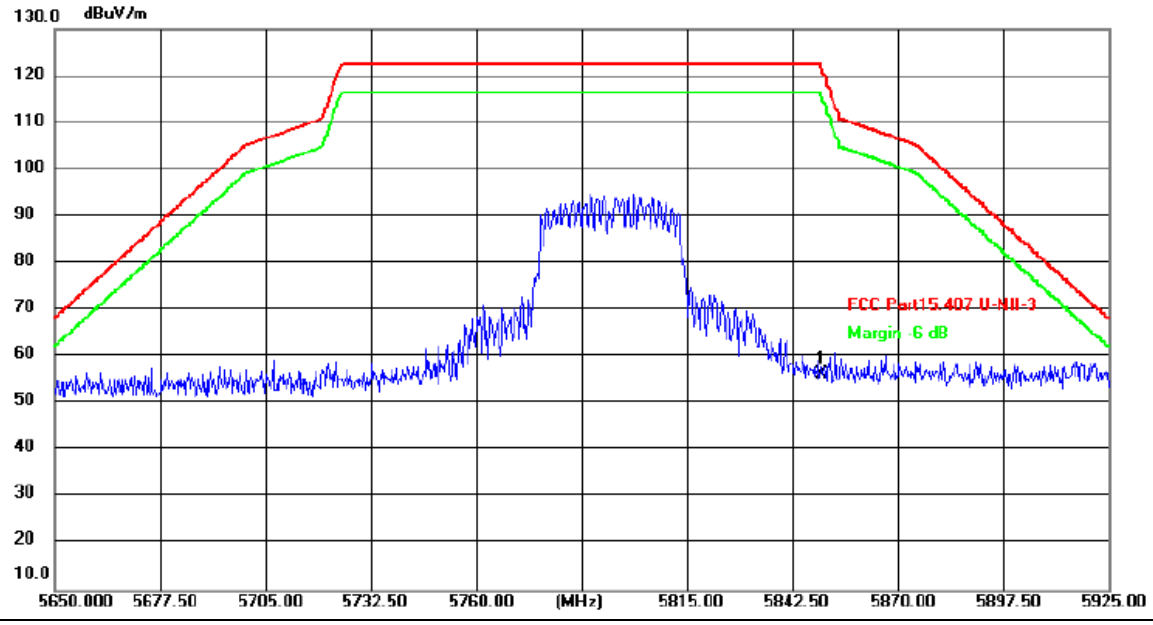
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11n(HT40) Mode 5795MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5850.000	26.31	38.44	64.75	122.20	-57.45	peak

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

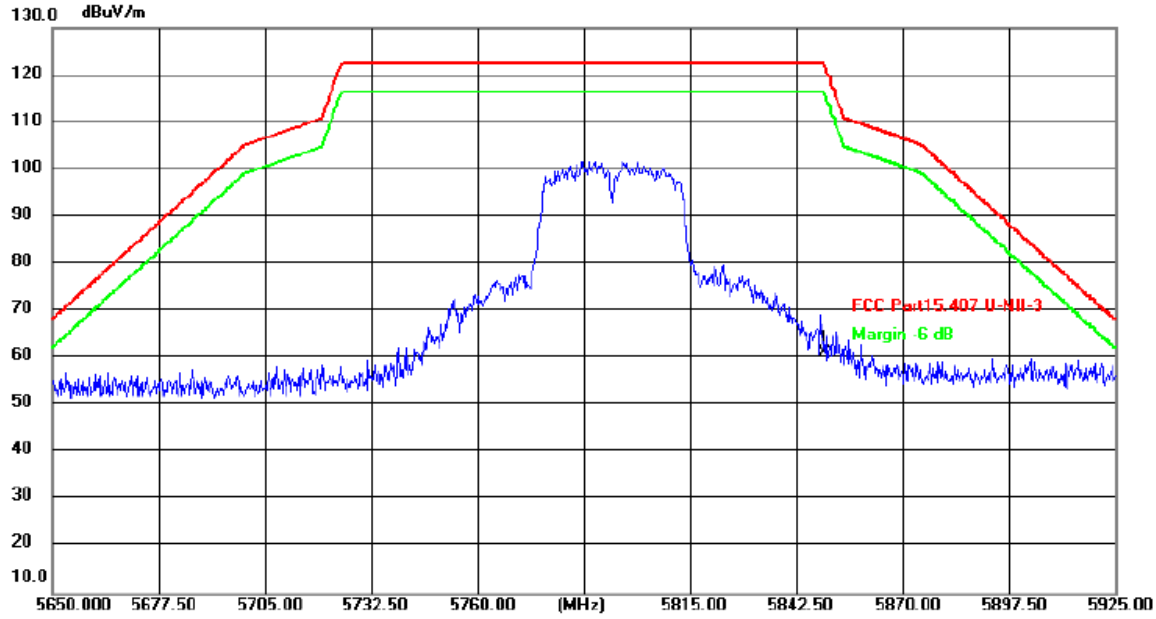
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11n(HT40) Mode 5795MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5850.000	17.85	38.44	56.29	122.20	-65.91	peak

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

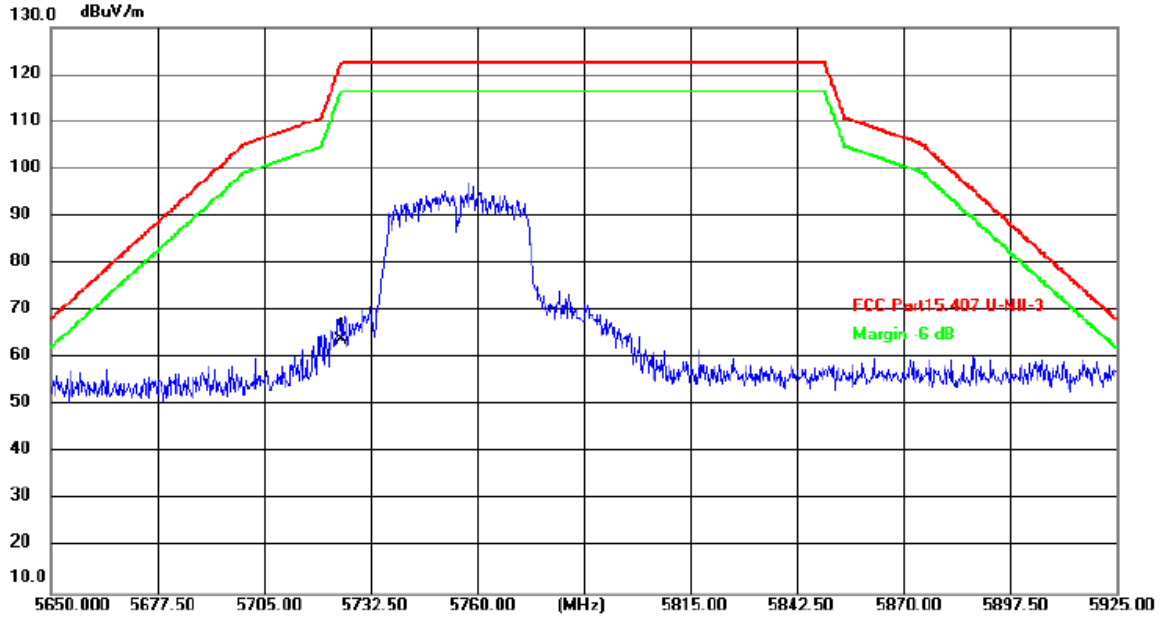
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11ac(VHT40) Mode 5755MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5850.000	22.58	38.44	61.02	122.20	-61.18	peak

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

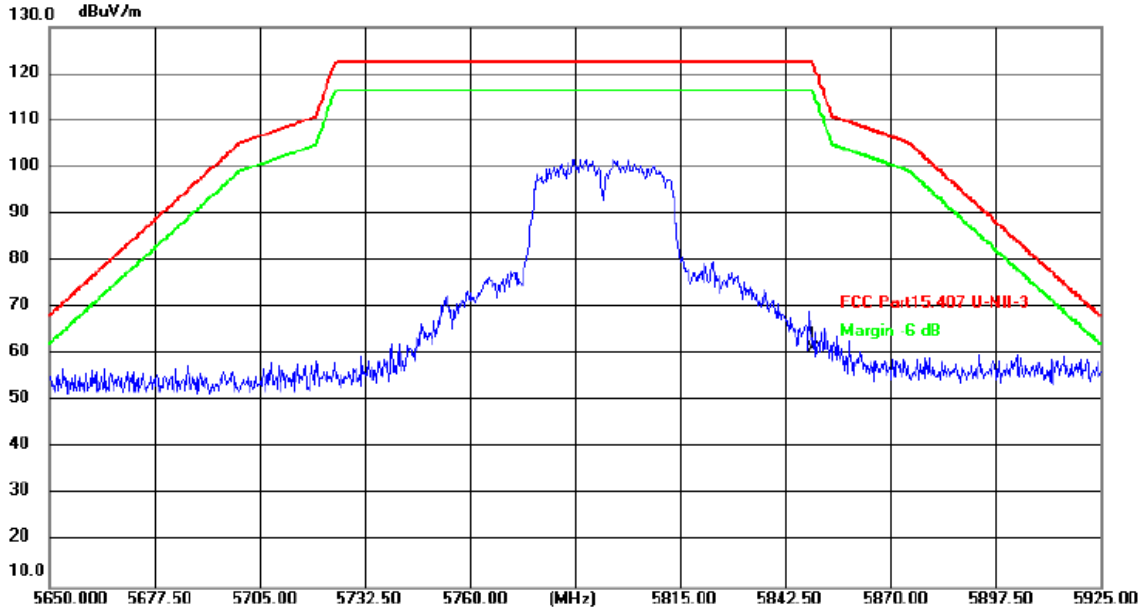
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11ac(VHT40) Mode 5755MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5725.000	25.59	38.16	63.75	122.20	-58.45	peak

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

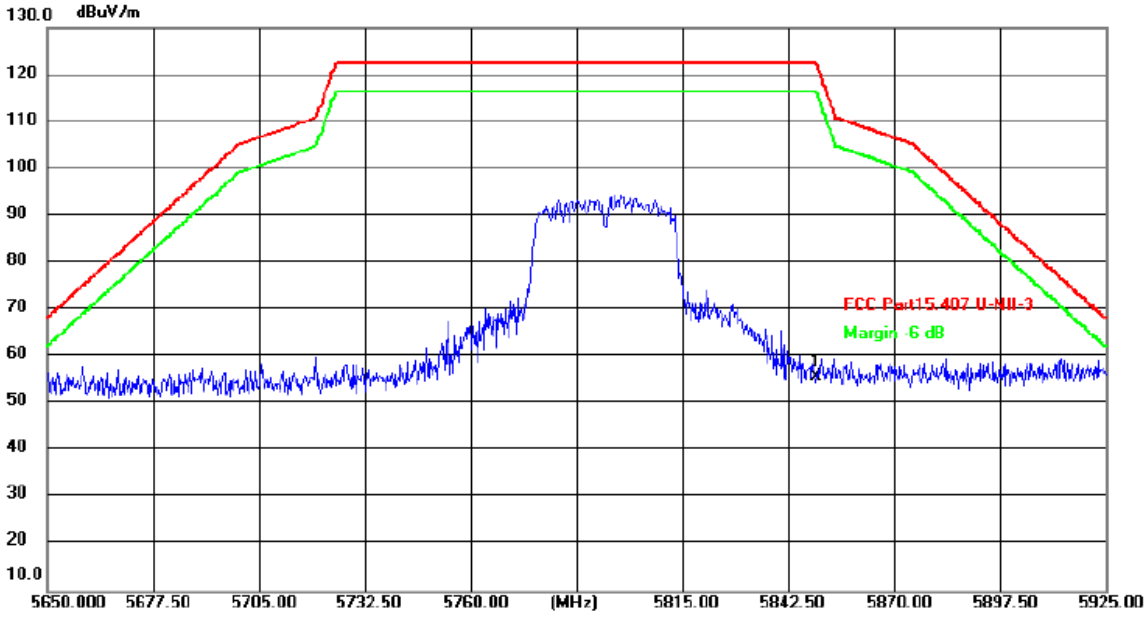
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11ac(VHT40) Mode 5795MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5850.000	22.58	38.44	61.02	122.20	-61.18	peak

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

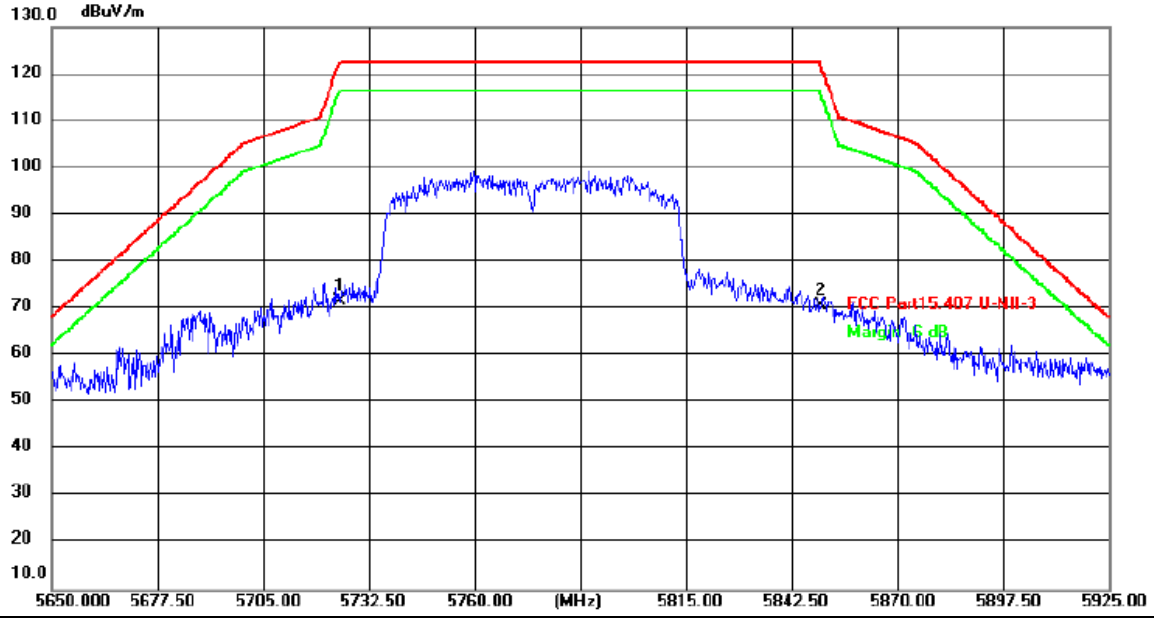
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Vertical
Test Mode:	TX 802.11ac(VHT40) Mode 5795MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5850.000	17.17	38.44	55.61	122.20	-66.59	peak

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

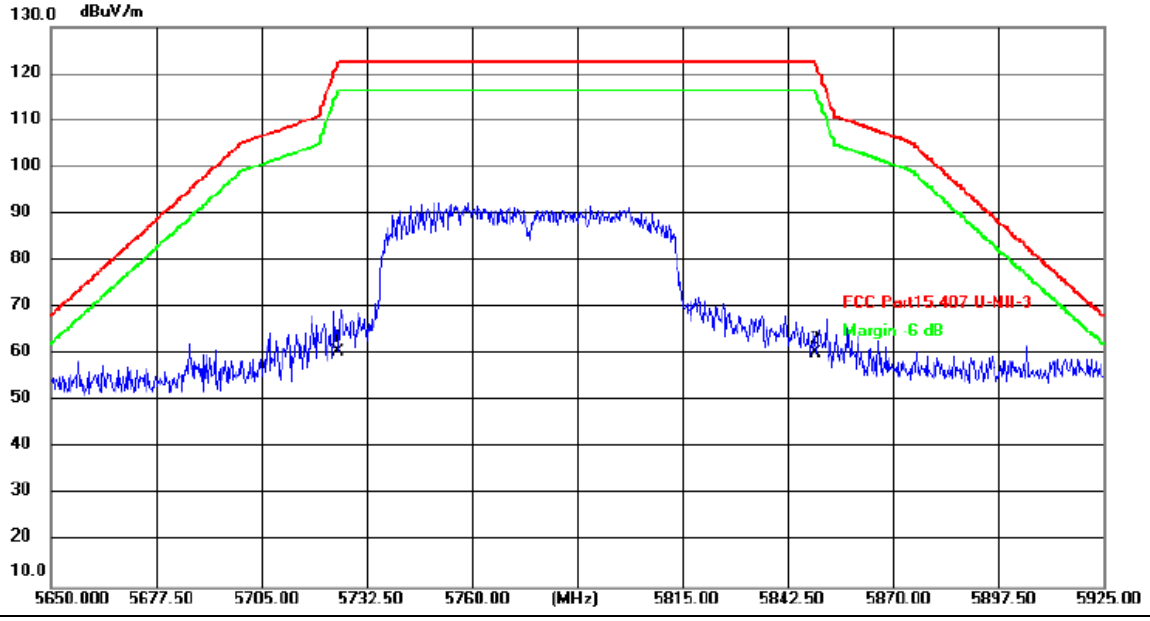
Ant No.:	ANT1 + ANT2
Ant. Pol.:	Horizontal
Test Mode:	TX 802.11ac(VHT80) Mode 5775MHz (U-NII-3)
Remark:	No report for the emission which more than 20 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5725.000	33.35	38.16	71.51	122.20	-50.69	peak
2	5850.000	32.24	38.44	70.68	122.20	-51.52	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(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	22.39	38.16	60.55	122.20	-61.65	peak
2	5850.000	21.85	38.44	60.29	122.20	-61.91	peak

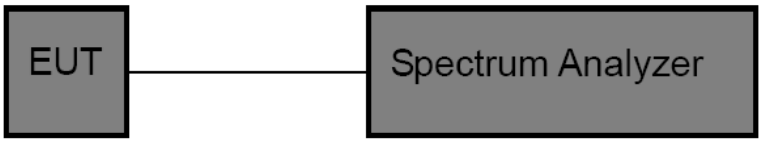
Remarks:
1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
2.Margin value = Level -Limit value

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

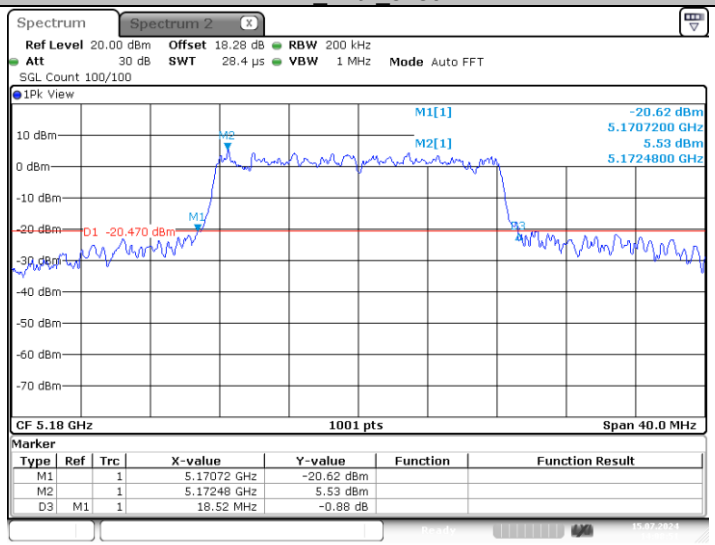
26dB Bandwidth

Test Mode	Antenna	Freq(MHz)	26dB EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	18.52	5170.72	5189.24	---	---
	Ant2	5180	18.32	5170.92	5189.24	---	---
	Ant1	5200	18.44	5190.84	5209.28	---	---
	Ant2	5200	18.24	5190.92	5209.16	---	---
	Ant1	5240	18.20	5230.92	5249.12	---	---
	Ant2	5240	18.08	5231.16	5249.24	---	---
	Ant1	5745	18.80	5735.96	5754.76	---	---
	Ant2	5745	18.20	5735.92	5754.12	---	---
	Ant1	5785	18.36	5775.80	5794.16	---	---
	Ant2	5785	18.24	5776.04	5794.28	---	---
	Ant1	5825	18.12	5816.00	5834.12	---	---
	Ant2	5825	18.12	5815.96	5834.08	---	---
11N20MIMO	Ant1	5180	18.68	5170.68	5189.36	---	---
	Ant2	5180	18.32	5170.76	5189.08	---	---
	Ant1	5200	18.24	5190.84	5209.08	---	---
	Ant2	5200	18.56	5190.84	5209.40	---	---
	Ant1	5240	18.40	5230.92	5249.32	---	---
	Ant2	5240	18.24	5230.76	5249.00	---	---
	Ant1	5745	17.92	5736.00	5753.92	---	---
	Ant2	5745	18.40	5735.80	5754.20	---	---
	Ant1	5785	18.08	5776.00	5794.08	---	---
	Ant2	5785	18.24	5775.84	5794.08	---	---
	Ant1	5825	17.96	5815.88	5833.84	---	---
	Ant2	5825	17.84	5816.20	5834.04	---	---

11N40MIMO	Ant1	5190	40.40	5169.76	5210.16	---	---
	Ant2	5190	39.92	5170.16	5210.08	---	---
	Ant1	5230	40.48	5210.32	5250.80	---	---
	Ant2	5230	38.56	5210.32	5248.88	---	---
	Ant1	5755	39.12	5735.96	5775.08	---	---
	Ant2	5755	39.20	5735.32	5774.52	---	---
	Ant1	5795	40.48	5775.08	5815.56	---	---
	Ant2	5795	39.52	5775.00	5814.52	---	---
11AC20MIMO	Ant1	5180	19.04	5170.52	5189.56	---	---
	Ant2	5180	19.40	5170.32	5189.72	---	---
	Ant1	5200	19.40	5190.40	5209.80	---	---
	Ant2	5200	19.00	5190.48	5209.48	---	---
	Ant1	5240	19.52	5230.20	5249.72	---	---
	Ant2	5240	19.32	5230.28	5249.60	---	---
	Ant1	5745	19.28	5735.32	5754.60	---	---
	Ant2	5745	19.76	5735.00	5754.76	---	---
	Ant1	5785	19.16	5775.32	5794.48	---	---
	Ant2	5785	18.96	5775.56	5794.52	---	---
	Ant1	5825	19.24	5815.32	5834.56	---	---
	Ant2	5825	19.12	5815.52	5834.64	---	---
11AC40MIMO	Ant1	5190	40.32	5169.92	5210.24	---	---
	Ant2	5190	39.28	5170.08	5209.36	---	---
	Ant1	5230	40.00	5209.52	5249.52	---	---
	Ant2	5230	40.48	5209.84	5250.32	---	---
	Ant1	5755	40.56	5735.24	5775.80	---	---
	Ant2	5755	41.20	5734.04	5775.24	---	---
	Ant1	5795	39.12	5775.80	5814.92	---	---
	Ant2	5795	40.24	5774.92	5815.16	---	---
11AC80MIMO	Ant1	5210	79.36	5170.48	5249.84	---	---
	Ant2	5210	79.52	5170.32	5249.84	---	---
	Ant1	5775	79.68	5735.00	5814.68	---	---
	Ant2	5775	80.16	5735.16	5815.32	---	---

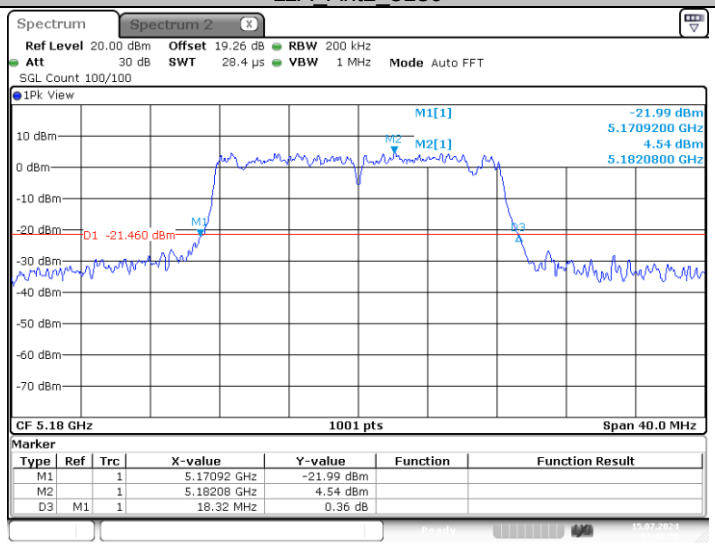
Test Graphs

11A_Ant1_5180



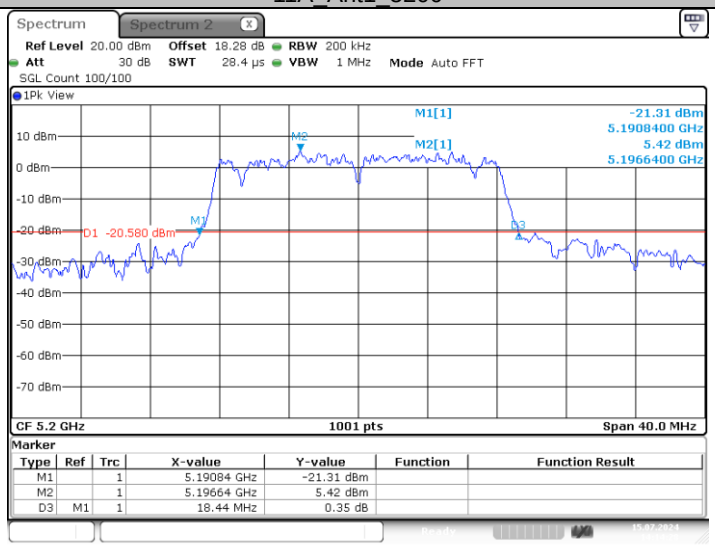
Date: 15.JUL.2024 14:08:50

11A_Ant2_5180



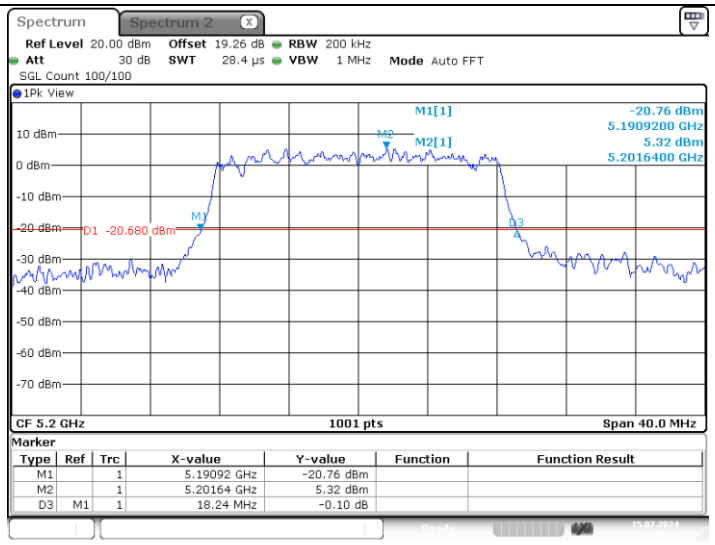
Date: 15.JUL.2024 14:41:38

11A_Ant1_5200

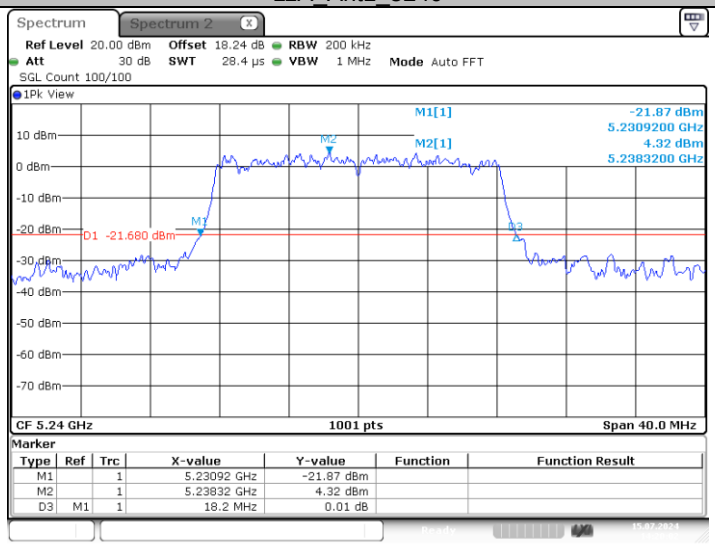


Date: 15.JUL.2024 14:14:27

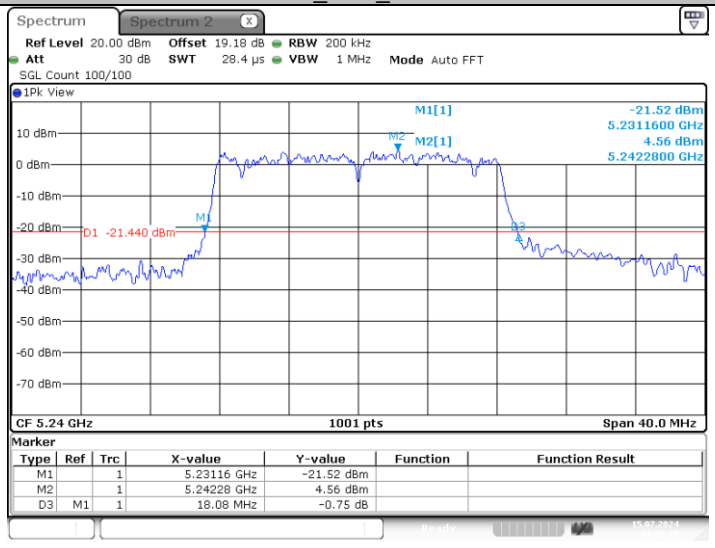
11A_Ant2_5200



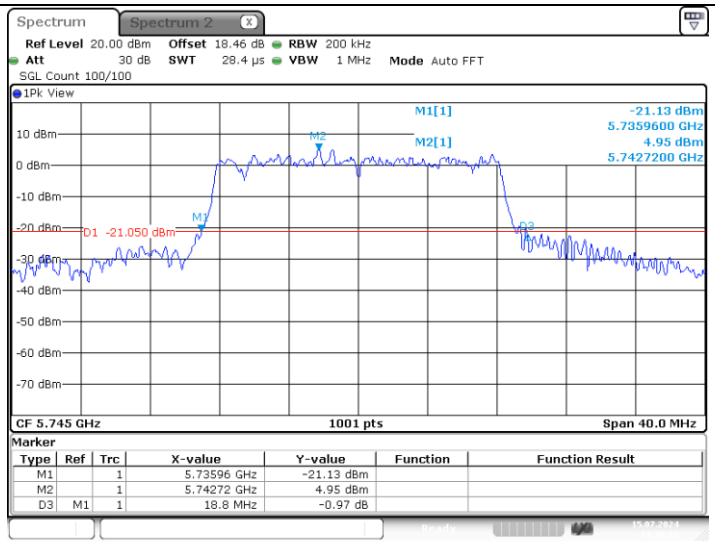
11A_Ant1_5240



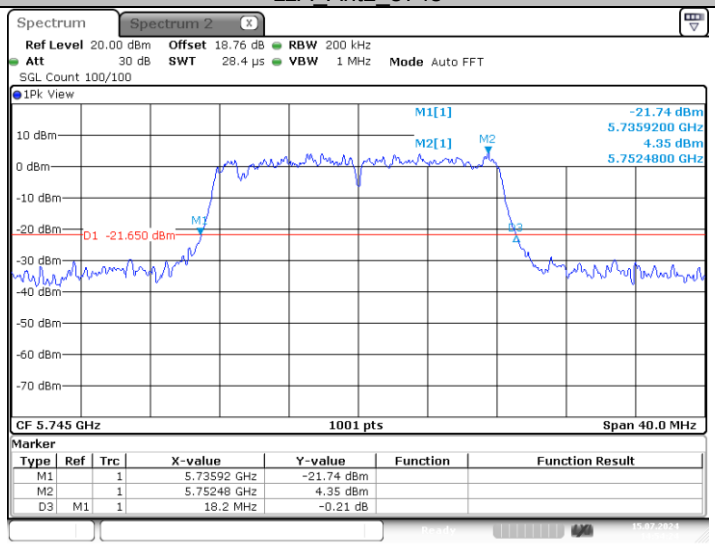
11A_Ant2_5240



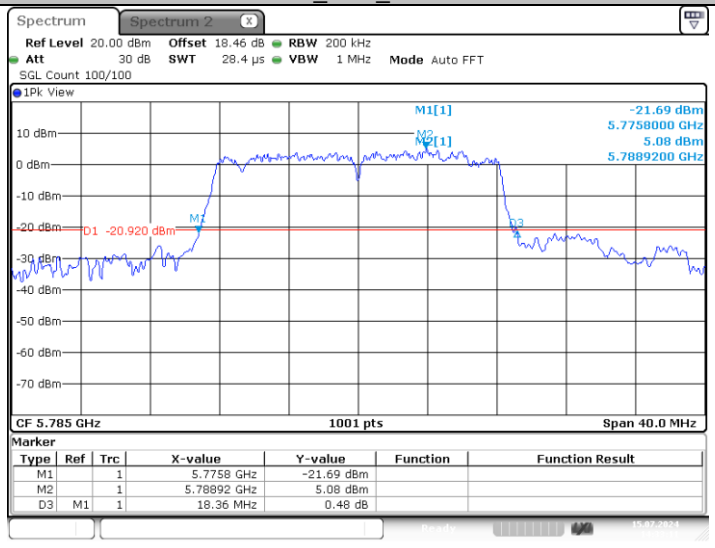
11A_Ant1_5745



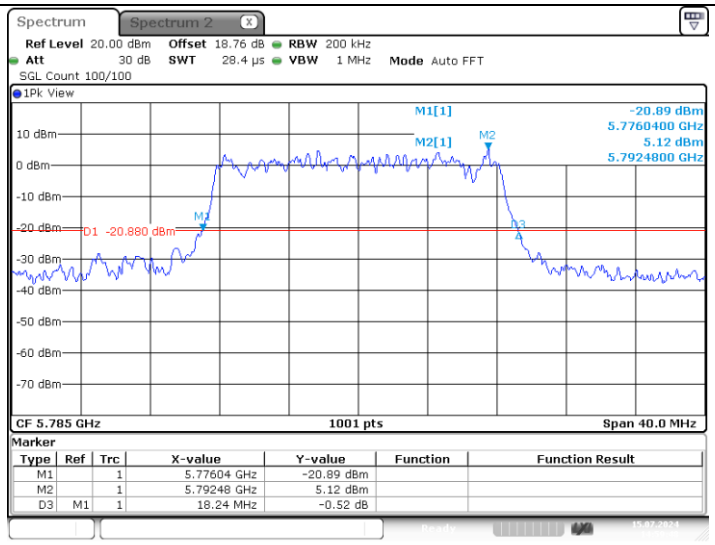
11A_Ant2_5745



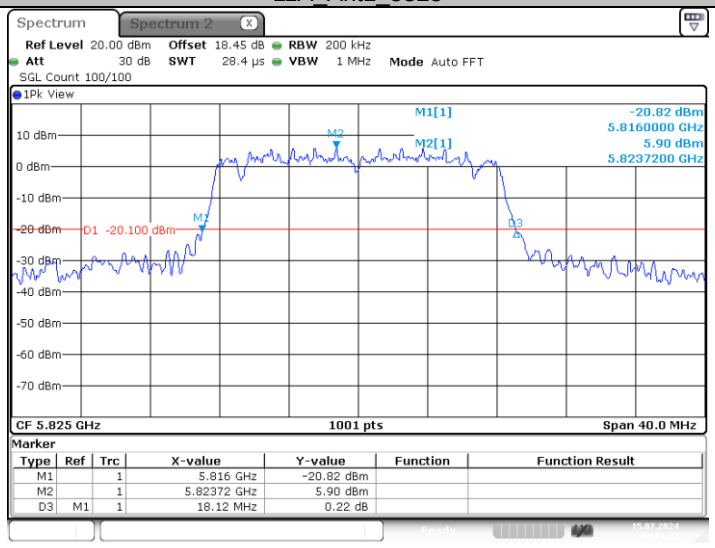
11A_Ant1_5785



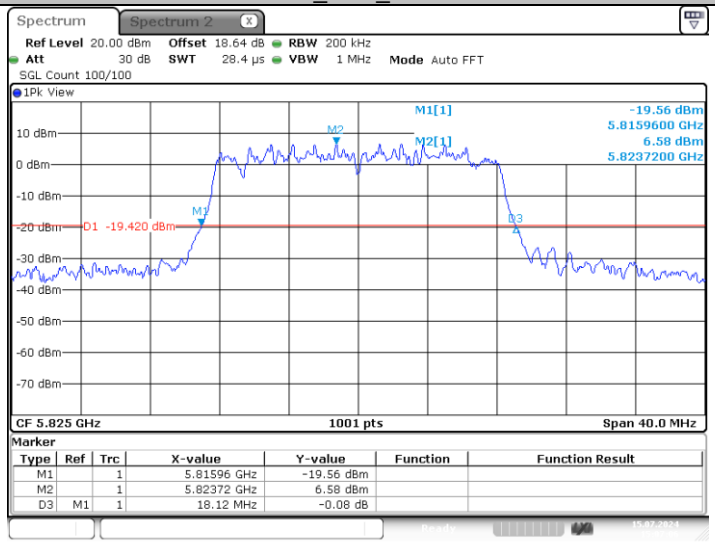
11A_Ant2_5785



11A_Ant1_5825



11A_Ant2_5825



11N20MIMO_Ant1_5180