FCC Radio Test Report

FCC ID: L9VWAP5903

Original Grant

Report No.	:	TB-FCC171064
Applicant	:	COMTREND Corporation
Equipment Under Test (EUT)		
EUT Name	:	AC1200 Dual Band WiFi Mesh Extender
Model No.	:	WAP-5903
Series Model No.	:	N/A
S/N Number:	:	M1914000765, M1914000766
Brand Name	:	COMTREND
Receipt Date	:	2019-12-05
Test Date	:	2019-12-07 to 2020-03-24
Issue Date	:	2020-03-25
Standards	:	FCC Part 15, Subpart E 15.407
Test Method	:	ANSI C63.10: 2013
Conclusions	:	**PASS**

In the configuration tested, the EUT complied with the standards specified above,
The EUT technically complies with the FCC and IC requirements

Test/Witness Engineer	:	Jack	Jack Deng
Test/Witness Engineer	:	IVAN SU	Ivan Su
Approved& Authorized	:	Benny Xu	Benny Xu

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

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Revision History

Report No.	Version	Description	Issued Date
TB-FCC171064	Rev.01	Initial issue of report	2020-03-25

1. General Information about EUT

1.1 Client Information

Applicant	:	COMTREND Corporation
Address	:	3F-1, 10 Lane 609, Chung Hsin Road, Section 5, San Chung Dist, New Taipei City, Taiwan 24159
Manufacturer	:	COMTREND Corporation
Address	:	3F-1, 10 Lane 609, Chung Hsin Road, Section 5, San Chung Dist, New Taipei City, Taiwan 24159
Factory	:	Shenzhen COMNECT Technology Co., Ltd.
Address	:	G Zone, 3/F, Building 1, Baisha High-Tech Park, No. 3011, Shahe Road West, XiLi Street, Nanshan District, Shenzhen, China

1.2 General Description of EUT (Equipment Under Test)

EUT Name	:	AC1200 Dual Band WiFi Mesh Extender		
Models No.	:	WAP-5903		
Model Difference	:	N/A.		
Product Description	:	Operation Frequency: U-NII-1: 5180MHz~5240MHz, U-NII-2A: 5260MHz~5320MHz U-NII-2C: 5500MHz~5720MHz, U-NII-3: 5745MHz~5825MHz		
		Number of Channel:	Please see Note(2)	
		RF Output Power:	U-NII-1:25.40dBm	U-NII-2A: 21.23dBm
			U-NII-2C: 21.45dBm	U-NII-3: 27.62dBm
		Antenna Gain:	Please see Note(3)	
		Modulation Type:	802.11a: OFDM (QPSK, BPSK, 16QAM) 802.11n: OFDM (QPSK, BPSK, 16QAM, 64QAM) 802.11ac: OFDM (QPSK, BPSK, 16QAM, 64QAM, 256QAM)	
		Bit Rate of Transmitter:	Using 20MHz bandwidth, data rate up to 173.3 Mbps Using 40MHz bandwidth, data rate up to 400 Mbps Using 80MHz bandwidth, data rate up to 866.7 Mbps	
		Condition of Operation:	Indoor&Master Mobile Device with TPC	
Power Rating	:	Adapter(RD1201500-C55-153MG): Input: AC 100-240V, 50/60Hz, 0.6A max Output: DC 12V, 1.5A		
Software Version	:	BS51-3411DCTU-C01_R03		
Hardware Version	:	AR-M400 V3.0		

Note: (1) This Test Report is FCC Part 15, Subpart E(15.407) for 802.11a/n/ac, the test procedure follows the KDB 789033 D02 General U-NII Test Procedures New Rules v02r01.

More detailed features description, please refer to the manufacturer's specifications or the User's Manual.

(2) Channel List:

Frequency Band	Channel No.	Frequency	Channel No.	Frequency
5180~5240MHz **(U-NII-1)**	36	5180 MHz	44	5220 MHz
	38	5190 MHz	46	5230 MHz
	40	5200 MHz	48	5240 MHz
	42	5210 MHz		
For 20 MHz Bandwidth, use channel 36, 40, 44, 48; For 40 MHz Bandwidth, use channel 38, 46. For 80 MHz Bandwidth, use channel 42.				

Frequency Band	Channel No.	Frequency	Channel No.	Frequency
5260~5320 MHz **(U-NII-2A)**	52	5260 MHz	60	5300 MHz
	54	5270 MHz	62	5310MHz
	56	5280MHz	64	5320 MHz
	58	5290MHz		
For 20 MHz Bandwidth, use channel 52, 56, 60, 64; For 40 MHz Bandwidth, use channel 54, 62. For 80 MHz Bandwidth, use channel 58.				

Frequency Band	Channel No.	Frequency	Channel No.	Frequency
5500~5720 MHz **(U-NII-2C)**	100	5500 MHz	124	5620 MHz
	102	5510 MHz	126	5630 MHz
	104	5520 MHz	128	5640 MHz
	106	5530 MHz	132	5660 MHz
	108	5540 MHz	134	5670 MHz
	110	5550 MHz	136	5680 MHz
	112	5560 MHz	138	5690 MHz
	116	5580 MHz	140	5700 MHz
	118	5590 MHz	142	5710 MHz
	120	5600 MHz	144	5720 MHz
	122	5610 MHz		
For 20 MHz Bandwidth, use channel 100, 104, 108, 112, 116, 120, 124, 128, 132, 136, 140, 144; For 40 MHz Bandwidth, use channel 102, 110, 118, 126, 134, 142; For 80 MHz Bandwidth, use channel 106, 122, 138.				

Frequency Band	Channel No.	Frequency	Channel No.	Frequency
5745~5825MHz **(U-NII-3)**	149	5745 MHz	157	5785 MHz
	151	5755 MHz	159	5795 MHz
	153	5765 MHz	161	5805 MHz
	155	5775 MHz	165	5825 MHz
For 20 MHz Bandwidth, use channel 149, 153, 157, 161, 165. For 40 MHz Bandwidth, use channel 151, 159. For 80 MHz Bandwidth, use channel 155.				

(2) Channel List:

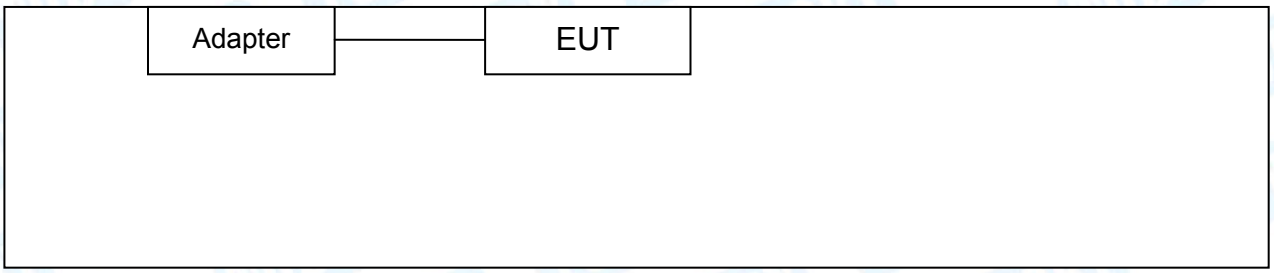
Mode	N_{ANT}	Remark
802.11a	2	ANT. A+ ANT. B
802.11n (HT20)	2	ANT. A+ ANT. B
802.11n (HT40)	2	ANT. A+ ANT. B
802.11ac(VHT20)	2	ANT. A+ ANT. B
802.11ac(VHT40)	2	ANT. A+ ANT. B
802.11ac(VHT80)	2	ANT. A+ ANT. B

Antenna	Brand	Model Name	Type	Antenna Gain (dBi)	Directional Gain (dBi)
ANT. A	N/A	SLEingB400150135	copper tube	U-NII-1: 5.42	**U-NII-1: 8.43** **U-NII-2A: 8.24** **U-NII-2C: 8.04** **U-NII-3: 8.10**
				U-NII-2A: 5.23	
				U-NII-2C: 5.03	
				U-NII-3: 5.09	
ANT. B	N/A	SLEingB400150135	copper tube	U-NII-1: 5.42	
				U-NII-2A: 5.23	
				U-NII-2C: 5.03	
				U-NII-3: 5.09	

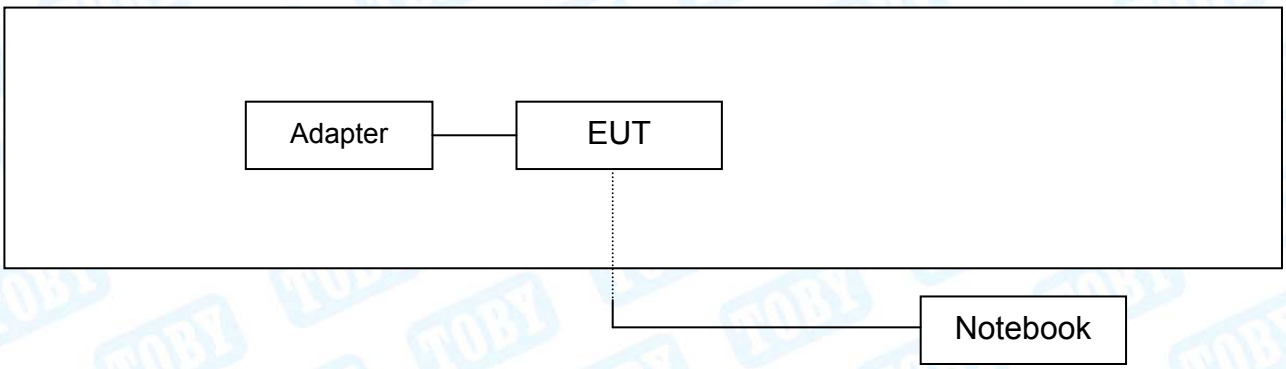
Note: For MIMO mode: Directional Gain=ANT. Gain+10*LOG(N_{ANT}).

1.3 Block Diagram Showing the Configuration of System Tested

Charging + TX Mode



TX Mode



1.4 Description of Support Units

Name	Model	S/N	Manufacturer	Used "√"
Notebook	161301-CN	15987/00203076	Xiaomi	√

1.5 Description of Test Mode

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

For Conducted Test		
Final Test Mode		**Description**
Mode 1		Charging + TX a Mode(5180MHz)
For Radiated Test Below 1GHz		
Final Test Mode		**Description**
Mode 2		Charging + TX a Mode(5180MHz)
For Radiated Above 1GHz and RF Conducted Test		
Test Band	**Final Test Mode**	**Description**
U-NII-1	Mode 3	TX Mode 802.11a Mode Channel 36/40/48
	Mode 4	TX Mode 802.11n(HT20) Mode Channel 36/40/48
	Mode 5	TX Mode 802.11ac(VHT20) Mode Channel 36/40/48
	Mode 6	TX Mode 802.11n(HT40) Mode Channel 38/46
	Mode 7	TX Mode 802.11ac(VHT40) Mode Channel 38/46
	Mode 8	TX Mode 802.11ac(VHT80) Mode Channel 42
U-NII-2A	Mode 9	TX Mode 802.11a Mode Channel 52/60/64
	Mode 10	TX Mode 802.11n(HT20) Mode Channel 52/60/64
	Mode 11	TX Mode 802.11ac(VHT20) Mode Channel 52/60/64
	Mode 12	TX Mode 802.11n(HT40) Mode Channel 54/62
	Mode 13	TX Mode 802.11ac(VHT40) Mode Channel 54/62
	Mode 14	TX Mode 802.11ac(VHT80) Mode Channel 58
U-NII-2C	Mode 15	TX Mode 802.11a Mode Channel 100/120/144
	Mode 16	TX Mode 802.11n(HT20) Mode Channel 100/120/144
	Mode 17	TX Mode 802.11ac(VHT20) Mode Channel 100/120/144
	Mode 18	TX Mode 802.11n(HT40) Mode Channel 102/126/142
	Mode 19	TX Mode 802.11ac(VHT40) Mode Channel 102/126/142
	Mode 20	TX Mode 802.11ac(VHT80) Mode Channel 106/122/138

U-NII-3	Mode 21	TX Mode 802.11a Mode Channel 149/157/165
	Mode 22	TX Mode 802.11n(HT20) Mode Channel 149/157/165
	Mode 23	TX Mode 802.11ac(VHT20) Mode Channel 149/157/165
	Mode 24	TX Mode 802.11n(HT40) Mode Channel 151/159
	Mode 25	TX Mode 802.11ac(VHT40) Mode Channel 151/159
	Mode 26	TX Mode 802.11ac(VHT80) Mode Channel 155
Note : (1)The adapter and antenna gain provided by the applicant, the verified for the RF conduction test provided by TOBY test lab. (2) For the Conducted Emission and Radiated test used the EUT-1(S/N number: M1914000765). For the RF Conduction test used the EUT-2(S/N number: M1914000766).		

Note:

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

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

802.11a Mode: OFDM (6 Mbps)
802.11n (HT20) Mode: MCS 0
802.11n (HT40) Mode: MCS 0
802.11ac(VHT20) Mode: MCS 0/ Nss1
802.11ac(VHT40) Mode: MCS 0/ Nss1
802.11ac(VHT80) Mode: MCS 0/ Nss1

(2) During the testing procedure, the continuously transmitting with the maximum power mode was programmed by the customer.

(3) The EUT is considered a mobile unit; it was positioned on X-plane. The worst case was found positioned on X-plane. Therefore only the test data of this X-plane was used for radiated emission measurement test.

1.6 Description of Test Software Setting

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

Test Software: MP Tool			
U-NII-1			
Mode	Frequency (MHz)	Parameters	
		Ant. A	Ant. B
802.11a	5180	25	20
	5200	25	20
	5240	23	20
802.11n(HT20)	5180	25	21
	5200	25	21
	5240	23	21
802.11ac(VHT20)	5180	26	22
	5200	26	21
	5240	24	21
802.11n(HT40)	5190	31	29
	5230	30	27
802.11ac(VHT40)	5190	31	29
	5230	30	27
802.11ac(VHT80)	5210	27	26
U-NII-2A			
Mode	Frequency (MHz)	Parameters	
		Ant. A	Ant. B
802.11a	5260	9	7
	5300	8	8
	5320	8	8
802.11n(HT20)	5260	10	8
	5300	9	8
	5320	8	9
802.11ac(VHT20)	5260	10	9
	5300	10	8
	5320	9	9
802.11n(HT40)	5270	15	15
	5310	15	15
802.11ac(VHT40)	5270	16	15
	5310	15	15
802.11ac(VHT80)	5290	20	18

U-NII-2C			
Mode	Frequency (MHz)	Parameters	
		Ant. A	Ant. B
802.11a	5500	15	11
	5600	11	9
	5720	2	4
802.11n(HT20)	5500	15	11
	5600	12	8
	5720	3	6
802.11ac(VHT20)	5500	14	10
	5600	11	8
	5720	2	5
802.11n(HT40)	5510	22	18
	5630	15	14
	5710	9	9
802.11ac(VHT40)	5510	22	18
	5630	15	14
	5710	9	9
802.11ac(VHT80)	5530	24	20
	5610	21	19
	5690	16	18

U-NII-3			
Mode	Frequency (MHz)	Parameters	
		Ant. A	Ant. B
802.11a	5745	35	35
	5785	35	36
	5825	35	36
802.11n(HT20)	5745	36	37
	5785	36	35
	5825	35	35
802.11ac(VHT20)	5745	36	37
	5785	36	35
	5825	35	35
802.11n(HT40)	5755	35	35
	5795	35	35
802.11ac(VHT40)	5755	35	35
	5795	35	35
802.11ac(VHT80)	5775	32	33

1.7 Measurement Uncertainty

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

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

1.8 Test Facility

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

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

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

IC Registration No.: (11950A-1)
The Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing. The site registration: Site# 11950A-1.

2. Test Summary

FCC Part 15 Subpart E(15.407)			
Standard Section	**Test Item**	**Judgment**	**Remark**
FCC			
15.203	Antenna Requirement	PASS	N/A
15.207	Conducted Emission	PASS	N/A
15.407(b)	Band Edge Emissions	PASS	N/A
15.407(a)	26dB Bandwidth&99% Bandwidth	PASS	N/A
15.407(e)	6dB Bandwidth(**only for UNII-3**)	PASS	N/A
15.407(a)	AVG Output Power and E.I.R.P	PASS	N/A
15.407(a)	Power Spectral Density	PASS	N/A
15.407(b)	Transmitter Radiated Spurious Emission	PASS	N/A
15.407(g)	Frequency Stability	PASS	N/A
Note: "/" for no requirement for this test item. N/A is an abbreviation for Not Applicable.			

3. Test Software

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

4. Test Equipment

Conducted Emission Test					
Equipment	**Manufacturer**	**Model No.**	**Serial No.**	**Last Cal.**	**Cal. Due Date**
EMI Test Receiver	Rohde & Schwarz	ESCI	100321	Jul. 13, 2019	Jul. 12, 2020
RF Switching Unit	Compliance Direction Systems Inc	RSU-A4	34403	Jul. 13, 2019	Jul. 12, 2020
AMN	SCHWARZBECK	NNBL 8226-2	8226-2/164	Jul. 13, 2019	Jul. 12, 2020
LISN	Rohde & Schwarz	ENV216	101131	Jul. 13, 2019	Jul. 12, 2020
Radiation Emission Test					
Equipment	**Manufacturer**	**Model No.**	**Serial No.**	**Last Cal.**	**Cal. Due Date**
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jul. 13, 2019	Jul. 12, 2020
EMI Test Receiver	Rohde & Schwarz	ESPI	100010/007	Jul. 13, 2019	Jul. 12, 2020
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102197	Mar.07, 2020	Mar. 06, 2021
Bilog Antenna	ETS-LINDGREN	3142E	00117537	Mar.07, 2020	Mar. 06, 2021
Horn Antenna	ETS-LINDGREN	3117	00143207	Mar.01, 2020	Feb. 28, 2021
Horn Antenna	ETS-LINDGREN	BBHA 9170	BBHA9170582	Aug.07, 2019	Aug. 06, 2020
Loop Antenna	SCHWARZBECK	FMZB 1519 B	1519B-059	Jul. 13, 2019	Jul. 12, 2020
Pre-amplifier	Sonoma	310N	185903	Mar.07, 2020	Mar. 06, 2021
Pre-amplifier	HP	8449B	3008A00849	Mar.01, 2020	Feb. 28, 2021
Pre-amplifier	SKET	LNPA_1840G-50	SK201904032	Jul. 27, 2019	Jul. 26, 2020
Cable	HUBER+SUHNER	100	SUCOFLEX	Mar.07, 2020	Mar. 06, 2021
Positioning Controller	ETS-LINDGREN	2090	N/A	N/A	N/A
Antenna Conducted Emission					
Equipment	**Manufacturer**	**Model No.**	**Serial No.**	**Last Cal.**	**Cal. Due Date**
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jul. 13, 2019	Jul. 12, 2020
Spectrum Analyzer	Rohde & Schwarz	ESCI	100010/007	Jul. 13, 2019	Jul. 12, 2020
MXA Signal Analyzer	Agilent	N9020A	MY49100060	Sep. 16, 2019	Sep. 15, 2020
Vector Signal Generator	Agilent	N5182A	MY50141294	Sep. 16, 2019	Sep. 15, 2020
Analog Signal Generator	Agilent	N5181A	MY50141953	Sep. 16, 2019	Sep. 15, 2020
RF Power Sensor	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO26	Sep. 16, 2019	Sep. 15, 2020
	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO29	Sep. 16, 2019	Sep. 15, 2020
	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO31	Sep. 16, 2019	Sep. 15, 2020
	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO33	Sep. 16, 2019	Sep. 15, 2020

5. Conducted Emission Test

5.1 Test Standard and Limit

5.1.1 Test Standard

FCC Part 15.207

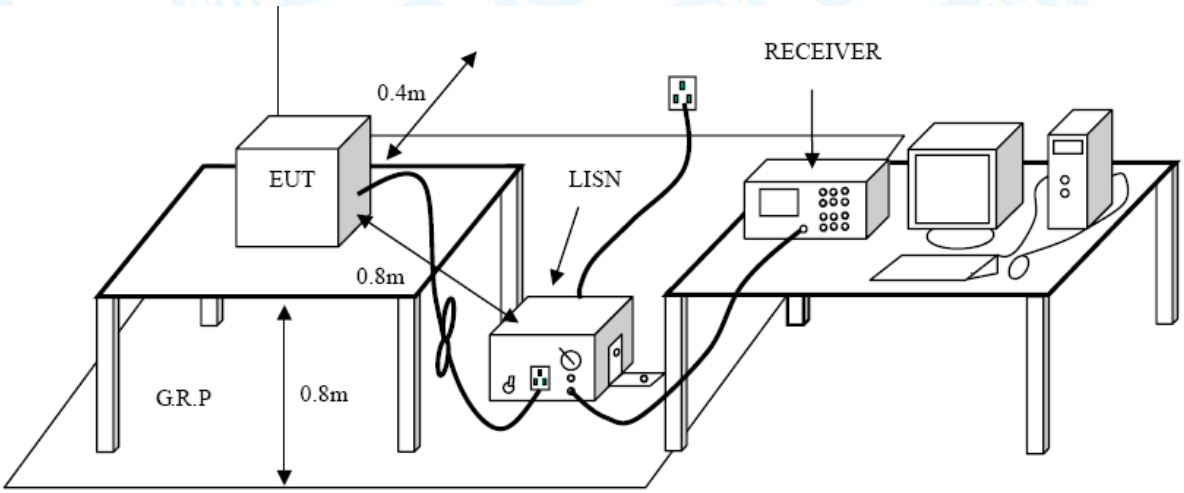
5.1.2 Test Limit

Conducted Emission Test Limit

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

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

5.2 Test Setup



5.3 Test Procedure

(1) The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.

(2) Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.

(3) I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.

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

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

5.4 Deviation From Test Standard

No deviation

5.5 EUT Operating Mode

Please refer to the description of test mode.

5.6 Test Data

Please refer to the Attachment A.

6. Radiated Emission Test

6.1 Test Standard and Limit

6.1.1 Test Standard

FCC Part 15.209

6.1.2 Test Limit

Radiated Emission Limits (9kHz~1000MHz)

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

Radiated Emission Limit (Above 1000MHz)

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

Note:

(1) The tighter limit applies at the band edges.

(2) Emission Level(dBuV/m)=20log Emission Level(uV/m)

Limits of unwanted emission out of the restricted bands

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

	27(Note 2)	122.3

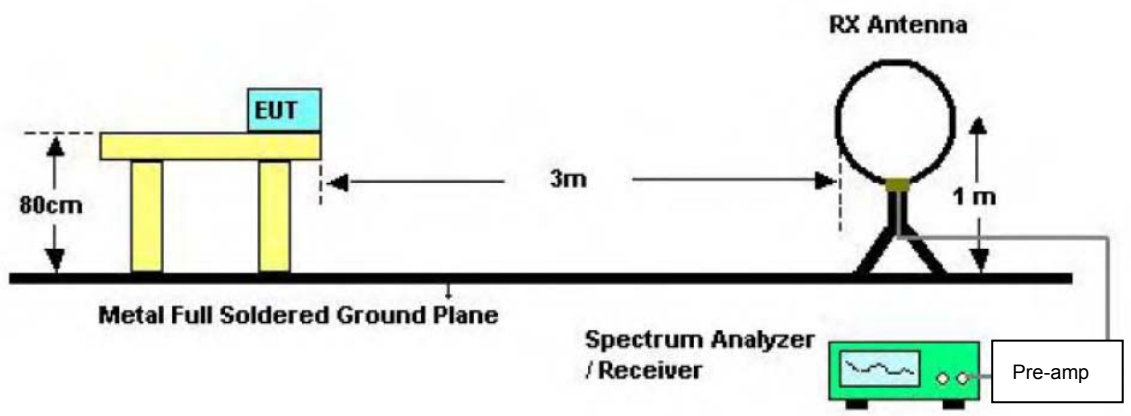
NOTE:

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

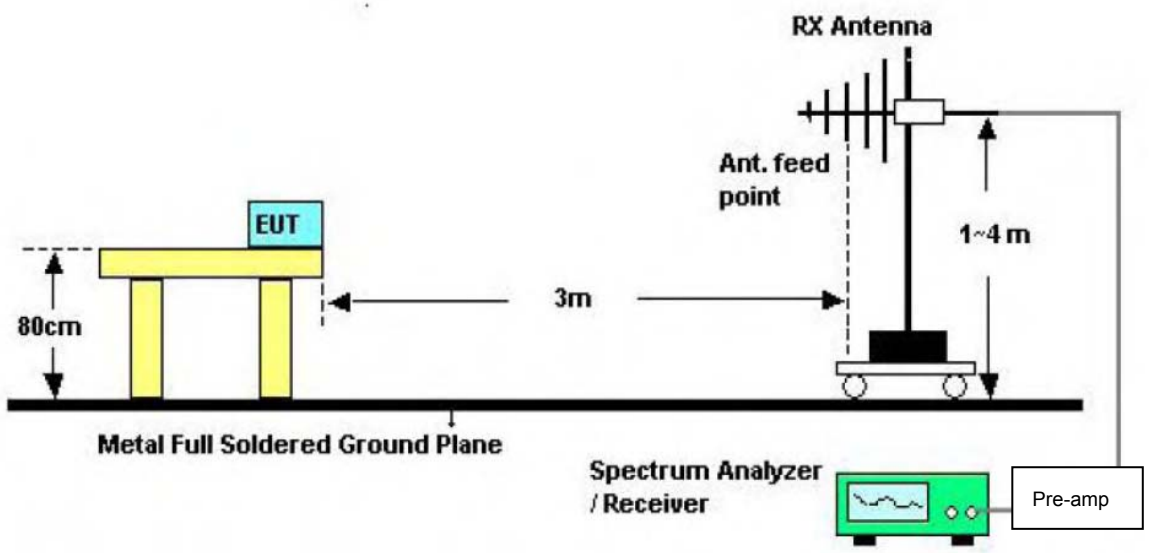
E= $\frac{1000000\sqrt{30P}}{3}$ uV/m, where P is the eirp (Watts)

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 theband 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 orbelow the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27dBm/MHz at the band edge.

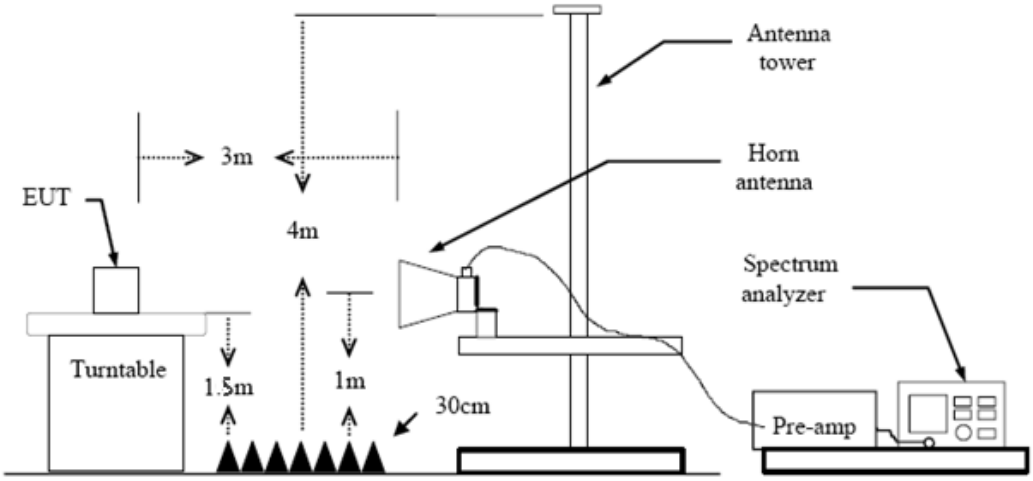
6.2 Test Setup



Below 30MHz Test Setup



Below 1000MHz Test Setup



Above 1GHz Test Setup

6.3 Test Procedure

(1) The measuring distance of 3m shall be used for measurements at frequency up to 1GHz. The EUT was placed on a rotating 0.8m high above the ground, the table was rotated 360 degrees to determine the position of the highest radiation.

(2) Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.

(3) The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical Antenna 0re set to make measurement.

(4) The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.

(5) If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit Bellow 1 GHz, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed. But the Peak Value and average value both need to comply with applicable limit above 1 GHz.

(6) Testing frequency range below 1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection.

(7) Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.

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

6.4 Deviation From Test Standard

No deviation

6.5 EUT Operating Condition

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

6.6 Test Data

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

Please refer to the Attachment B.

7. Band Edge Emissions

7.1 Test Standard and Limit

7.1.1 Test Standard

FCC Part 15.407(b)

7.1.2 Test Limit

Limits of unwanted emission out of the restricted bands

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

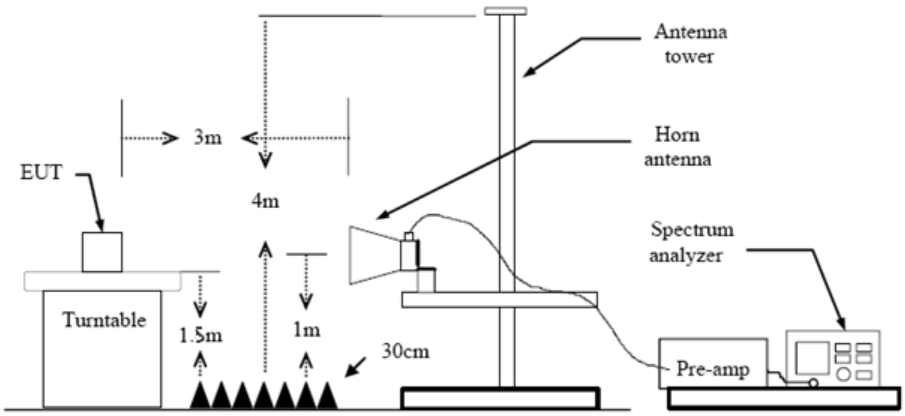
NOTE:

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

E= $\frac{1000000\sqrt{30P}}{3}$ 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 theband 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 orbelow the band edge, and from 5 MHz above or below the band
edge increasing linearly to a level of 27dBm/MHz at the band edge.

7.2 Test Setup



7.3 Test Procedure

(1) The measuring distance of 3m shall be used for measurements at frequency up to 1GHz. The EUT was placed on a rotating 0.8m high above the ground, the table was rotated 360 degrees to determine the position of the highest radiation.

(2) Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.

(3) The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical Antenna 0re set to make measurement.

(4) The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.

(5) If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit Bellow 1 GHz, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed. But the Peak Value and average value both need to comply with applicable limit above 1 GHz.

(6) Testing frequency range below 1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection.

(7) Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.

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

7.4 Deviation From Test Standard

No deviation

7.5 EUT Operating Condition

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

7.6 Test Data

Please refer to the Attachment C.

8. Bandwidth Test

8.1 Test Standard and Limit

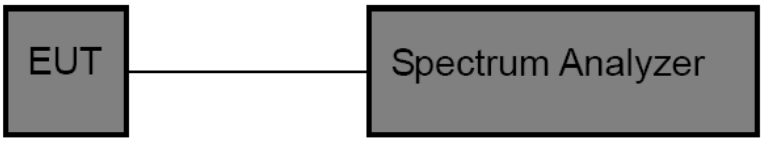
8.1.1 Test Standard

FCC Part 15.407

8.1.2 Test Limit

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

8.2 Test Setup



8.3 Test Procedure

(1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.

(2) The setting of the spectrum analyser as below:

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

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

8.4 Deviation From Test Standard

No deviation

8.5 EUT Operating Condition

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

8.6 Test Data

Please refer to the Attachment D.

9. Output Power and E.I.R.P Test

9.1 Test Standard and Limit

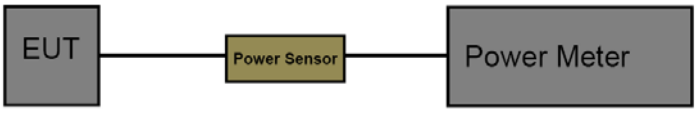
9.1.1 Test Standard

FCC Part 15.407 (a)

9.1.2 Test Limit

<table>
<tr><th colspan="5">FCC Part 15 Subpart E(15.407)</th></tr>
<tr><th rowspan="2">Limit</th><th colspan="4">Frequency Range(MHz)</th></tr>
<tr><th>5150~5250</th><th>5250~5350</th><th>5500~5725</th><th>5725~5850</th></tr>
<tr><td>Max Conducted TX Power</td><td>Master Device: 1 Watt(30dBm) Client Device: 250mW(24dBm)</td><td colspan="2">24dBm (250 mW) or 11 dBm+ 10 log B, whichever is lower (B= 26-dB emission BW)</td><td>1 Watt (30dBm)</td></tr>
<tr><td rowspan="3">Max E.I.R.P</td><td>4 W (36 dBm) with 6 dBi antenna</td><td colspan="2" rowspan="3">1 W (30 dBm) with 6 dBi antenna</td><td rowspan="3">4 W (36 dBm) with 6 dBi antenna</td></tr>
<tr><td>200 W (53 dBm) for fixed P-t-P application with 23 dBiantenna</td></tr>
<tr><td>Additional rule for outdoor operation: Max_EIRP< 125 mW(21 dBm) at any elevation angle > 30°from horizon</td></tr>
<tr><td rowspan="2">TPC</td><td rowspan="2">NO</td><td colspan="2">YES, if Max_EIRP ≥ 500 mW (27 dBm) and able to lower EIRP below 24dBm</td><td rowspan="2">NO</td></tr>
<tr><td colspan="2">NO, if Max_EIRP < 500mW (27dBm)</td></tr>
</table>

9.2 Test Setup



9.3 Test Procedure

The measurement is according to section 3 of KDB 789033 D02 General U-NII Test Procedures New Rules v02r01.
The EUT was connected to RF power meter via a broadband power sensor as show the block above.

9.4 Deviation From Test Standard

No deviation

9.5 EUT Operating Condition

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

9.6 Test Date

Please refer to the Attachment E.

10. Power Spectral Density Test

10.1 Test Standard and Limit

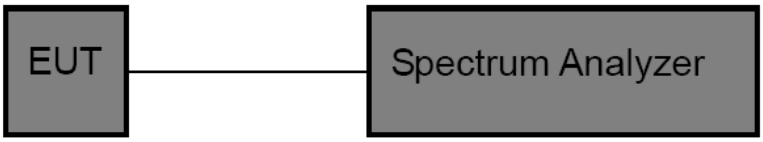
10.1.1 Test Standard

FCC Part 15.407 (a)

10.1.2 Test Limit

FCC Part 15 Subpart E(15.407)		
Test Item	**Limit**	**Frequency Range(MHz)**
Power Spectral Density	Master Device: 17dBm/MHz Client Device : 11dBm/MHz	5150~5250
	11dBm/MHz	5250~5350
	11dBm/MHz	5500~5725
	30dBm/500kHz	5725~5850

9.2 Test Setup



10.3 Test Procedure

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

(1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
(2) Set analyser centre frequency to transmitting frequency.
(3) Set the span to encompass the entire emissions bandwidth (EBW)(alternatively, the entire 99% OBW) of the signal.
(4) Set the RBW to: 1 MHz
(5) Set the VBW to: 3 MHz
(6) Detector: RMS
(7) Trace: Max Hold
(7) Sweep time: auto
(8) Trace average at least 100 traces in power averaging.
(9) User the peak marker function to determine the maximum amplitude level within the

RBW. Apply correction to the result if different RBW is used.

10.4 Deviation From Test Standard

No deviation

10.5 EUT Operating Condition

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

10.6 Test Data

Please refer to the Attachment F.

11. Frequency Stability Measurement

11.1 Test Standard and Limit

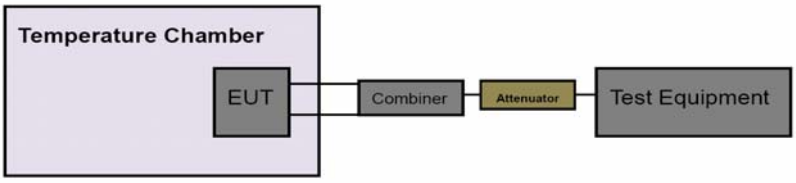
11.1.1 Test Standard

FCC Part 15.407

11.1.2 Test Limit

FCC Part 15 Subpart C(15.407)		
Test Item	**Limit**	**Frequency Range (MHz)**
Peak Excursion Measurement	Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual	5150~5250
		5250~5350
		5500~5720
		5725~5850

11.2 Test Setup



11.3 Test Procedure

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

11.4 Deviation From Test Standard

No deviation

11.5 EUT Operating Condition

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

11.6 Test Data

Please refer to the Attachment G.

12. Antenna Requirement

12.1 Standard Requirement

12.1.1 Standard

FCC Part 15.203

12.1.2 Requirement

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

12.2 Antenna Connected Construction

The gains of the antenna used for transmitting is 5.42dBi(U-NII-1), 5.23dBi(U-NII-2A) 5.03dBi(U-NII-2C), 5.09dBi(U-NII-3), and the antenna de-signed with permanent attachment and no consideration of replacement. Please see the EUT photo for details.

12.3 Deviation From Test Standard

No deviation

12.4 Result

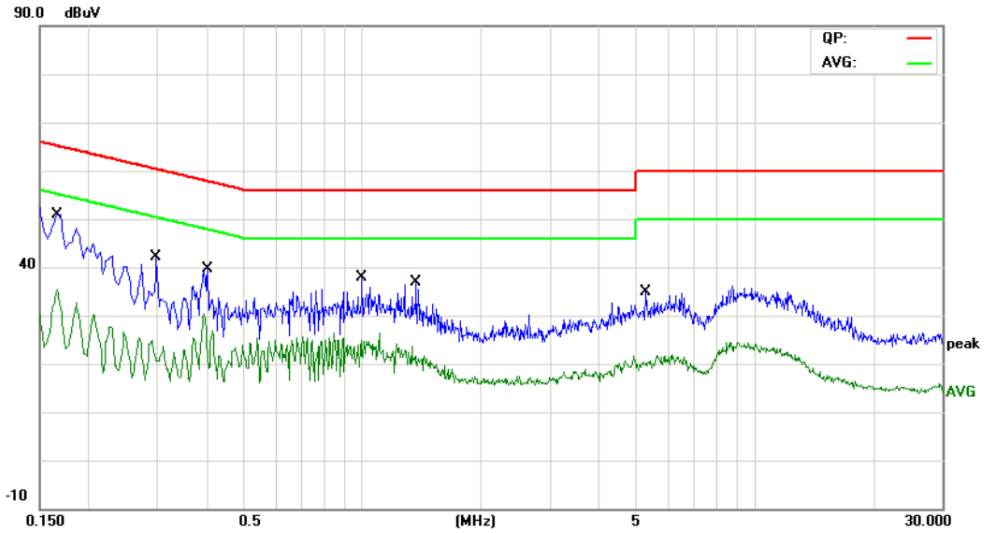
The EUT antennas is a copper tube Antenna. It complies with the standard requirement.

Antenna Type
☐ Permanent attached antenna
☑ Unique connector antenna
☐ Professional installation antenna

Attachment A-- Conducted Emission Test Data

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

Temperature:	24.8 ℃	**Relative Humidity:**	42%
Test Voltage:	AC 120V/60 Hz		
Terminal:	Line		
Test Mode:	TX 802.11a Mode CH36		
Remark:	Only worse case is reported.		

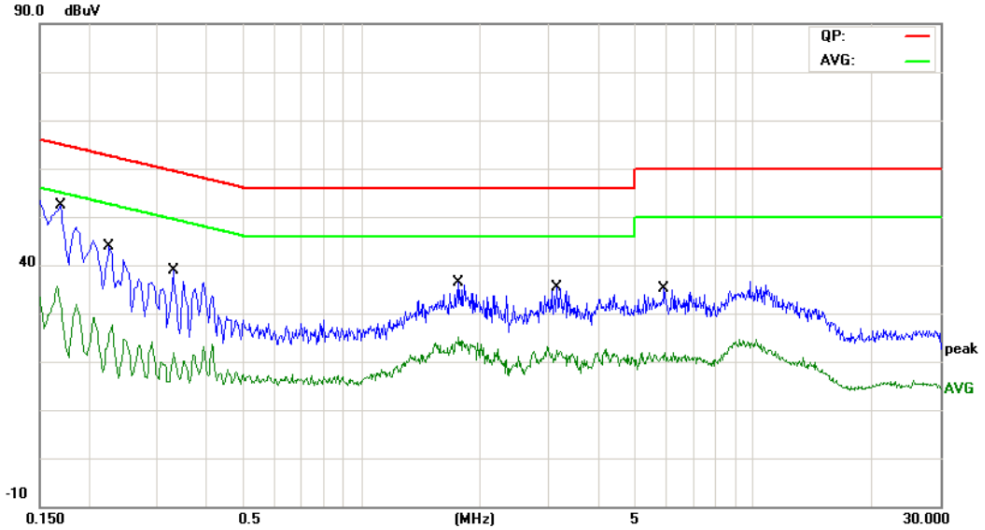


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	*	0.1660	39.57	9.78	49.35	65.15	-15.80	QP
2		0.1660	24.01	9.78	33.79	55.15	-21.36	AVG
3		0.2980	16.46	9.85	26.31	60.30	-33.99	QP
4		0.2980	6.46	9.85	16.31	50.30	-33.99	AVG
5		0.4020	18.69	9.84	28.53	57.81	-29.28	QP
6		0.4020	7.60	9.84	17.44	47.81	-30.37	AVG
7		0.9980	19.63	9.65	29.28	56.00	-26.72	QP
8		0.9980	11.71	9.65	21.36	46.00	-24.64	AVG
9		1.3700	16.90	9.77	26.67	56.00	-29.33	QP
10		1.3700	9.89	9.77	19.66	46.00	-26.34	AVG
11		5.2700	15.97	9.85	25.82	60.00	-34.18	QP
12		5.2700	8.72	9.85	18.57	50.00	-31.43	AVG

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

Emission Level= Read Level+ Correct Factor

Temperature:	24.8 ℃	**Relative Humidity:**	42%
Test Voltage:	AC 120V/60 Hz		
Terminal:	Neutral		
Test Mode:	TX 802.11a Mode CH36		
Remark:	Only worse case is reported		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	*	0.1700	35.60	9.62	45.22	64.96	-19.74	QP
2		0.1700	19.00	9.62	28.62	54.96	-26.34	AVG
3		0.2260	30.51	9.63	40.14	62.59	-22.45	QP
4		0.2260	16.24	9.63	25.87	52.59	-26.72	AVG
5		0.3300	19.84	9.72	29.56	59.45	-29.89	QP
6		0.3300	9.42	9.72	19.14	49.45	-30.31	AVG
7		1.7660	19.02	9.84	28.86	56.00	-27.14	QP
8		1.7660	13.26	9.84	23.10	46.00	-22.90	AVG
9		3.1460	17.47	9.86	27.33	56.00	-28.67	QP
10		3.1460	9.95	9.86	19.81	46.00	-26.19	AVG
11		5.9100	16.72	9.84	26.56	60.00	-33.44	QP
12		5.9100	9.86	9.84	19.70	50.00	-30.30	AVG

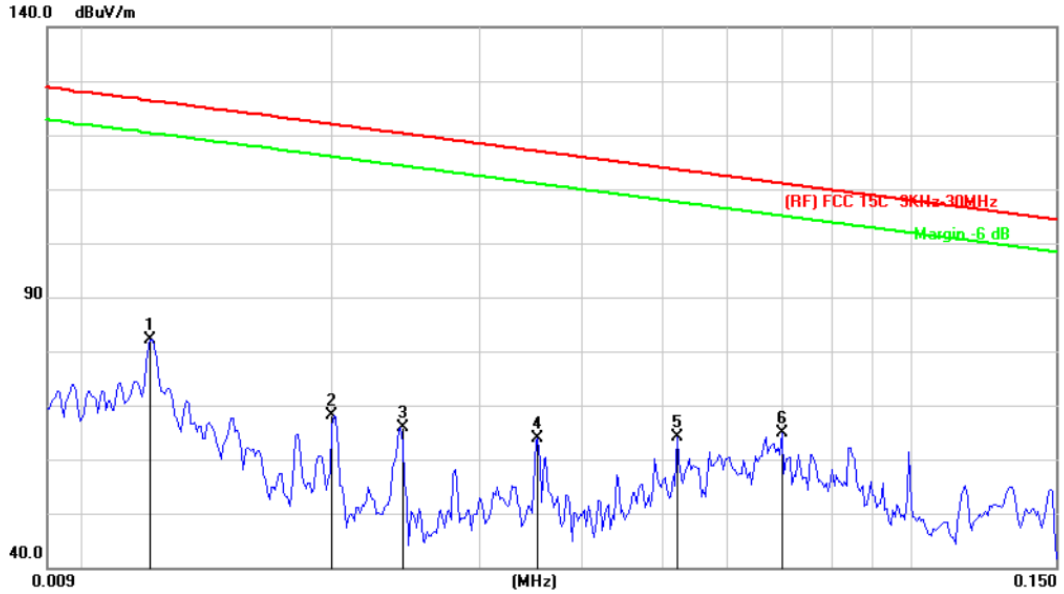
*:Maximum data x:Over limit !:over margin

Emission Level= Read Level+ Correct Factor

Attachment B-- Radiated Emission Test Data

9KHz~150KHz

Temperature:	24.3℃	**Relative Humidity:**	42%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Antenna 0°		
Test Mode:	TX 802.11a Mode CH36		
Remark:	Only worst case is reported.		

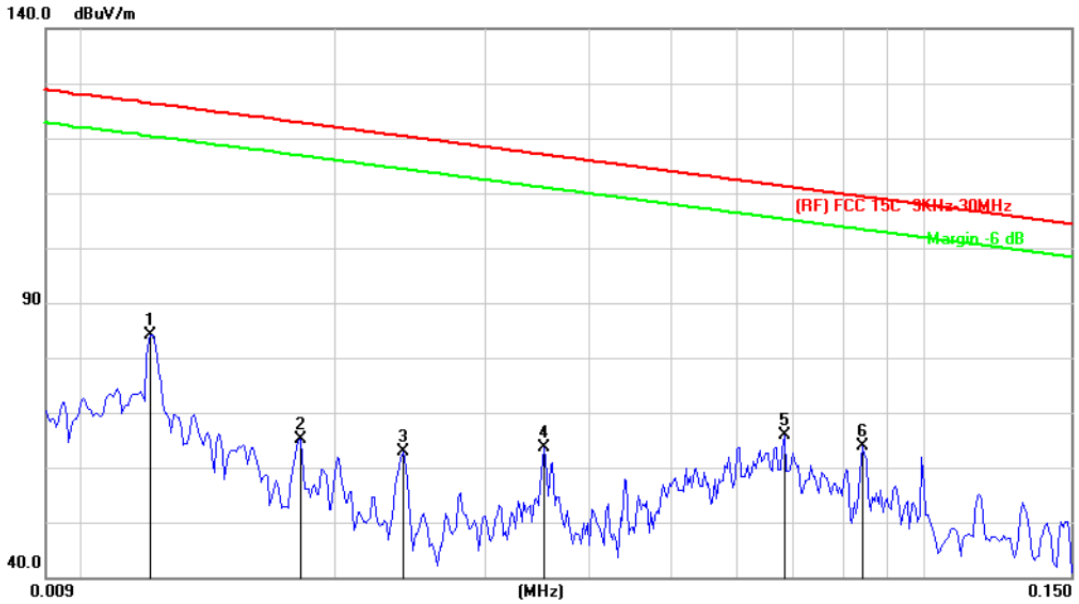


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	0.0120	92.67	-10.46	82.21	126.39	-44.18	peak
2		0.0200	78.80	-10.68	68.12	121.93	-53.81	peak
3		0.0241	76.60	-10.79	65.81	120.30	-54.49	peak
4		0.0353	74.83	-10.94	63.89	116.97	-53.08	peak
5		0.0521	74.91	-10.88	64.03	113.57	-49.54	peak
6		0.0698	75.48	-10.57	64.91	111.02	-46.11	peak

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

Emission Level= Read Level+ Correct Factor

Temperature:	24.3℃	**Relative Humidity:**	42%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Antenna 90°		
Test Mode:	TX 802.11a Mode CH36		
Remark:	Only worst case is reported.		



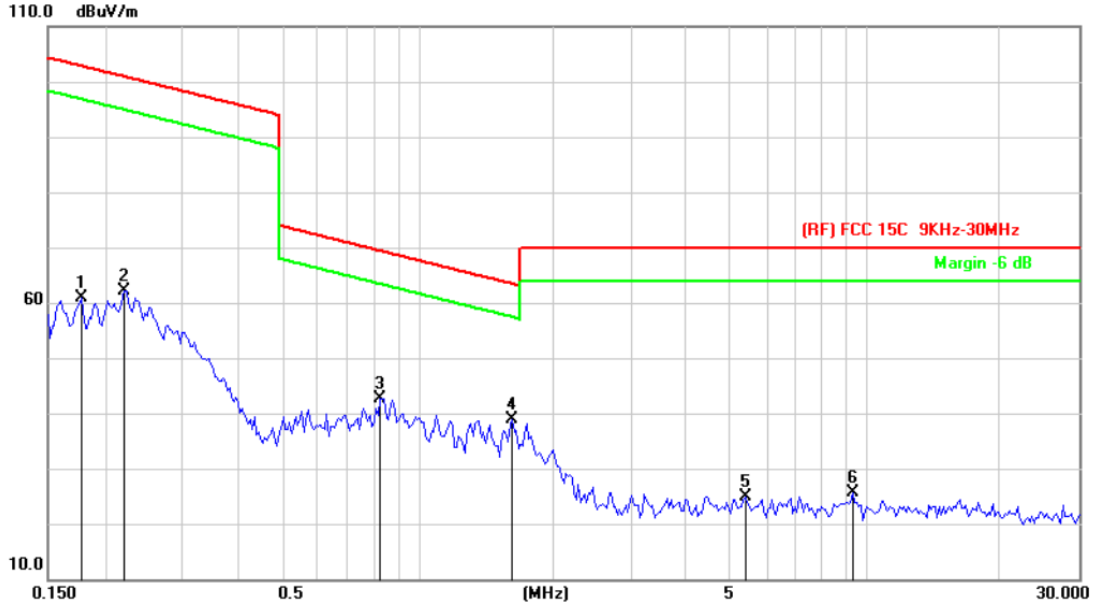
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	0.0120	94.69	-10.46	84.23	126.39	-42.16	peak
2		0.0181	75.74	-10.63	65.11	122.80	-57.69	peak
3		0.0240	73.66	-10.79	62.87	120.34	-57.47	peak
4		0.0353	74.57	-10.94	63.63	116.97	-53.34	peak
5		0.0682	76.49	-10.60	65.89	111.22	-45.33	peak
6		0.0844	74.52	-10.68	63.84	109.36	-45.52	peak

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

Emission Level= Read Level+ Correct Factor

0.15MHz~30MHz

Temperature:	24.3℃	**Relative Humidity:**	42%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Antenna 0°		
Test Mode:	TX 802.11a Mode CH36		
Remark:	Only worst case is reported.		

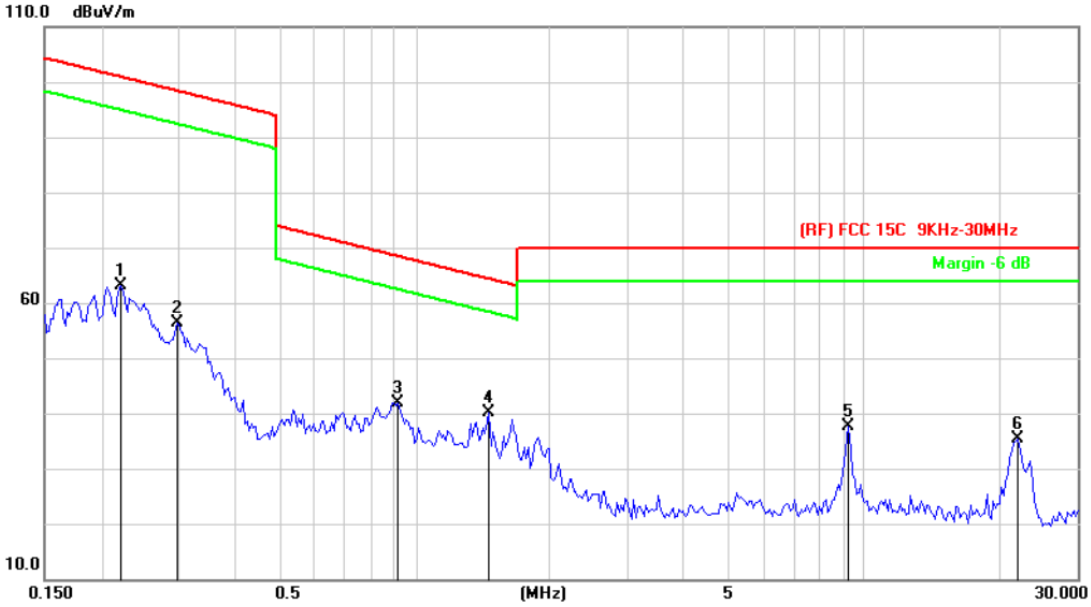


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		0.1777	68.80	-7.84	60.96	102.86	-41.90	peak
2		0.2220	71.17	-8.93	62.24	100.91	-38.67	peak
3		0.8261	53.70	-11.19	42.51	69.39	-26.88	peak
4	*	1.6276	50.13	-11.14	38.99	63.41	-24.42	peak
5		5.3900	36.08	-11.12	24.96	70.00	-45.04	peak
6		9.3518	36.52	-10.94	25.58	70.00	-44.42	peak

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

Emission Level= Read Level+ Correct Factor

Temperature:	24.3℃	**Relative Humidity:**	42%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Antenna 90°		
Test Mode:	TX 802.11a Mode CH36		
Remark:	Only worst case is reported.		



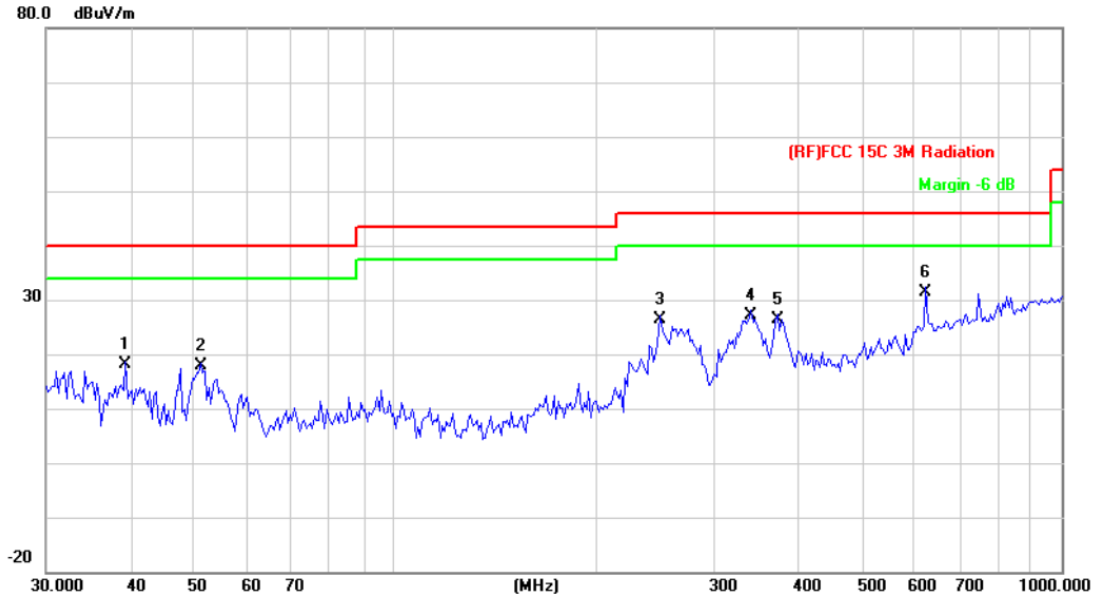
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		0.2220	72.09	-8.93	63.16	100.91	-37.75	peak
2		0.2955	65.96	-9.61	56.35	98.42	-42.07	peak
3		0.9184	53.15	-11.20	41.95	68.46	-26.51	peak
4	*	1.4640	51.25	-11.15	40.10	64.34	-24.24	peak
5		9.2532	48.47	-10.95	37.52	70.00	-32.48	peak
6		22.0628	47.42	-12.06	35.36	70.00	-34.64	peak

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

Emission Level= Read Level+ Correct Factor

30MHz~1GHz

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

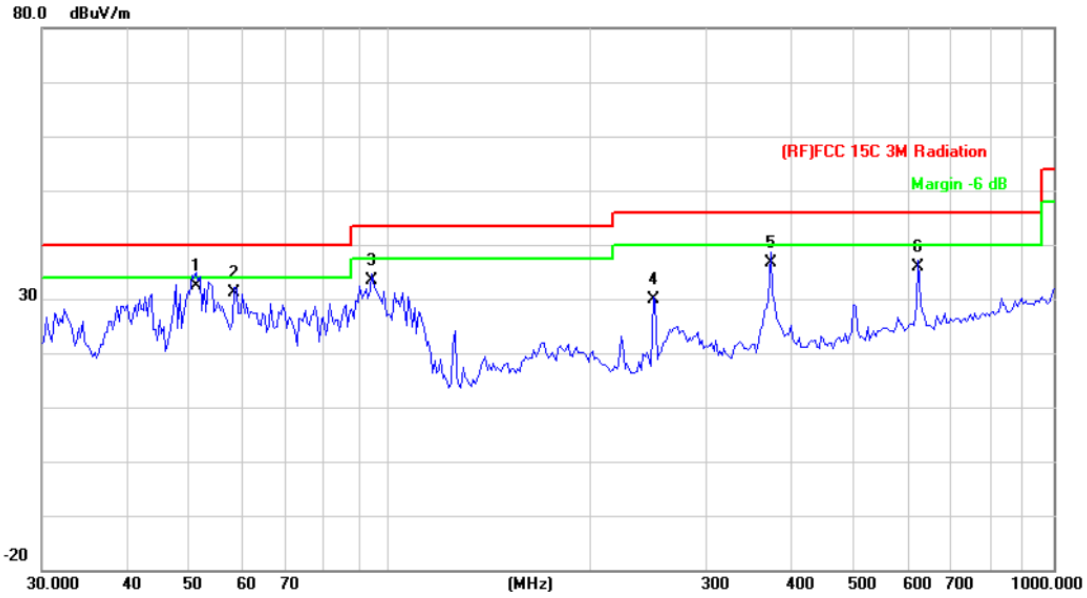


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		39.4371	37.10	-18.90	18.20	40.00	-21.80	QP
2		51.1209	41.27	-23.47	17.80	40.00	-22.20	QP
3		249.4250	43.58	-17.08	26.50	46.00	-19.50	QP
4		341.9786	41.85	-14.65	27.20	46.00	-18.80	QP
5		374.6225	39.66	-13.26	26.40	46.00	-19.60	QP
6	*	625.0780	39.39	-7.99	31.40	46.00	-14.60	QP

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

Emission Level= Read Level+ Correct Factor

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



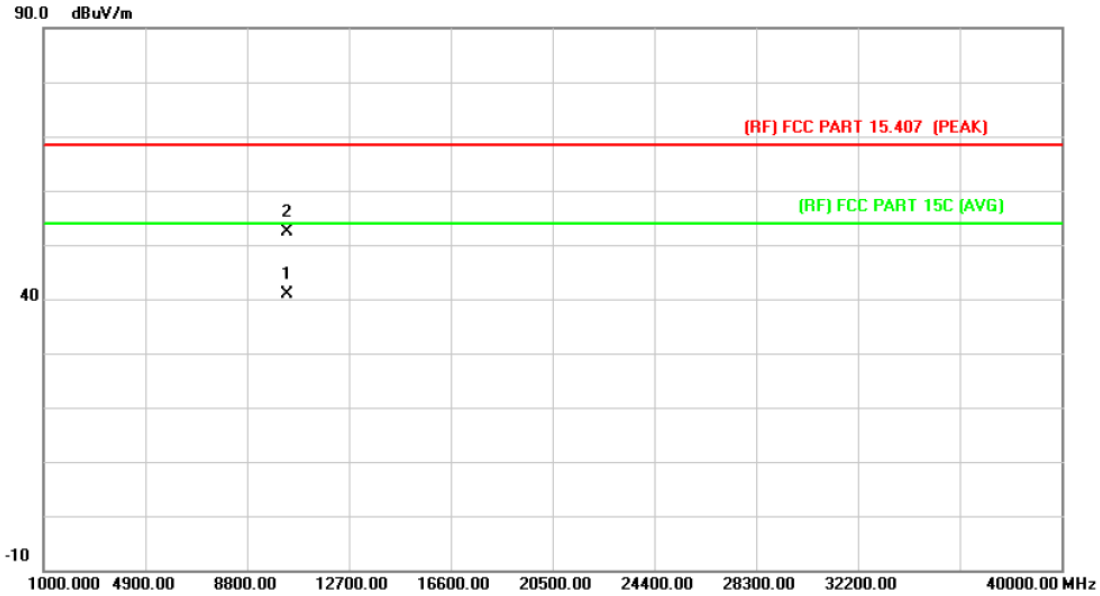
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	51.1209	55.87	-23.47	32.40	40.00	-7.60	QP
2		58.4074	55.47	-24.27	31.20	40.00	-8.80	QP
3		94.0979	55.56	-22.06	33.50	43.50	-10.00	QP
4		249.4250	47.08	-17.08	30.00	46.00	-16.00	QP
5		374.6225	49.96	-13.26	36.70	46.00	-9.30	QP
6		625.0780	43.79	-7.99	35.80	46.00	-10.20	QP

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

Emission Level= Read Level+ Correct Factor

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

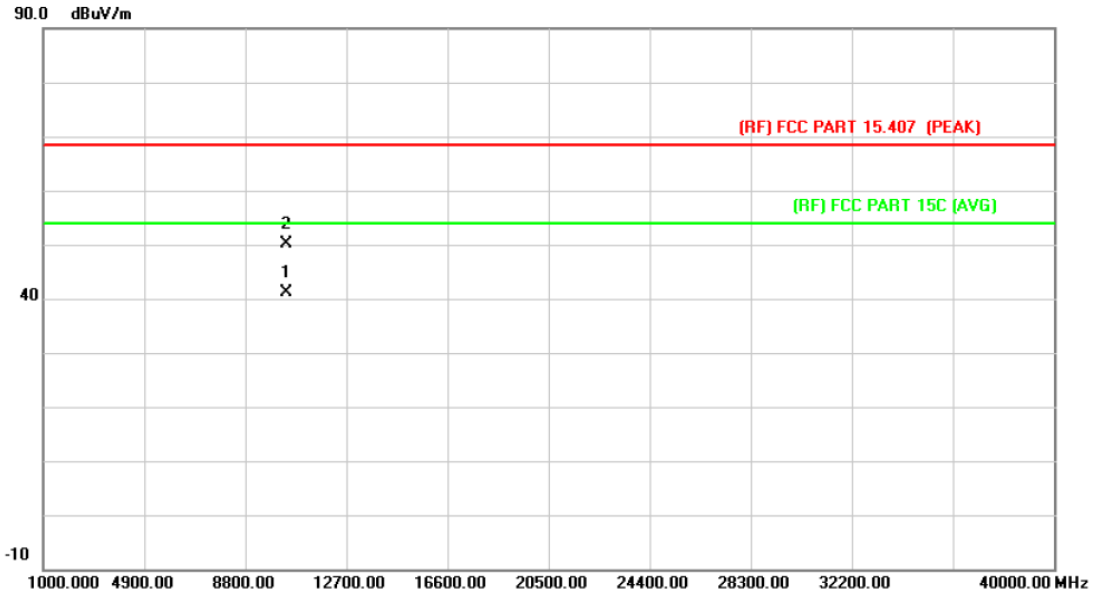
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11a Mode 5180MHz (U-NII-1)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit. Only worse case is reported.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	10359.171	20.41	20.50	40.91	54.00	-13.09	AVG
2		10359.735	31.88	20.50	52.38	68.30	-15.92	peak

Emission Level= Read Level+ Correct Factor

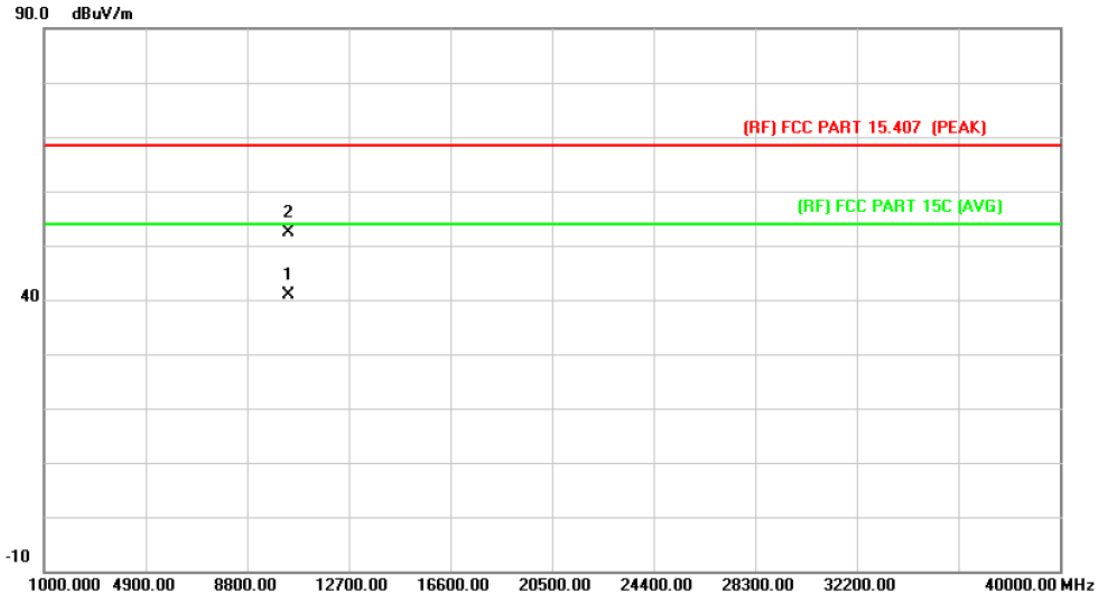
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11a Mode 5180MHz (U-NII-1)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit. Only worse case is reported.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	10360.949	20.73	20.50	41.23	54.00	-12.77	AVG
2		10361.011	29.61	20.50	50.11	68.30	-18.19	peak

Emission Level= Read Level+ Correct Factor

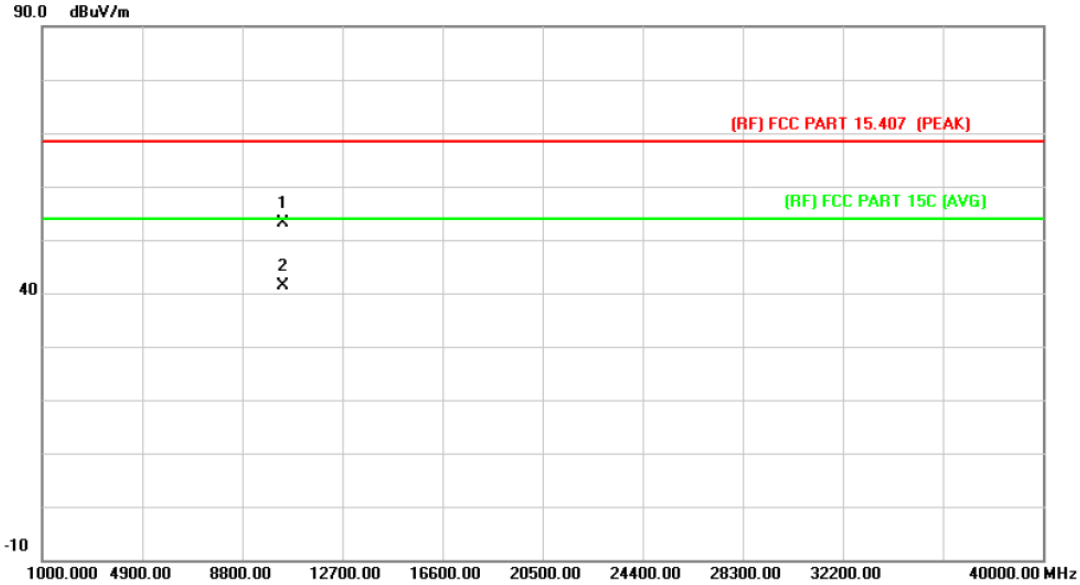
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11a Mode 5200MHz (U-NII-1)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	10399.738	20.32	20.56	40.88	54.00	-13.12	AVG
2		10401.421	31.84	20.56	52.40	68.30	-15.90	peak

Emission Level= Read Level+ Correct Factor

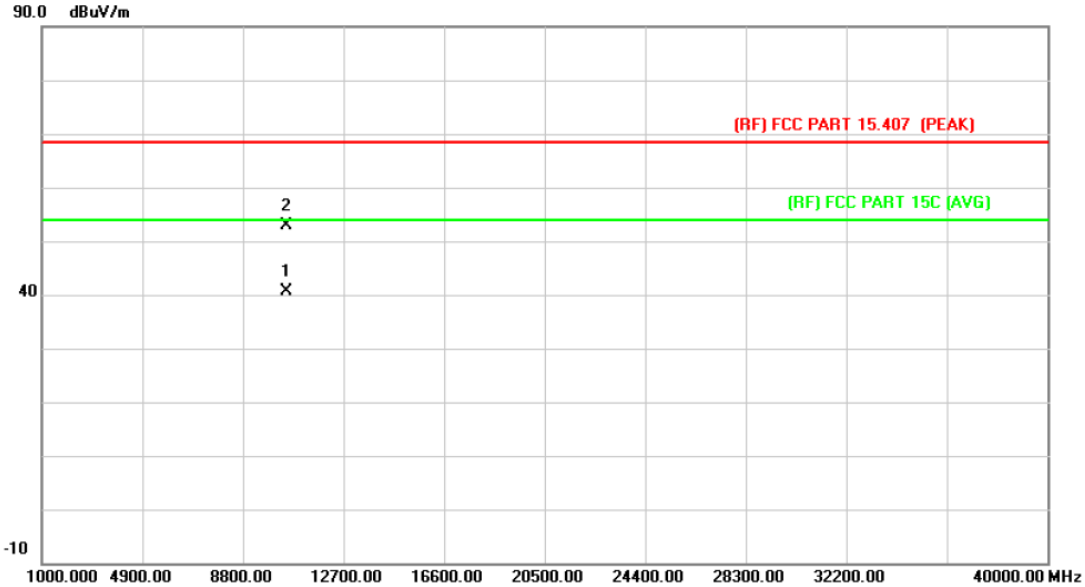
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11a Mode 5200MHz (U-NII-1)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10399.377	32.48	20.56	53.04	68.30	-15.26	peak
2	*	10399.377	20.80	20.56	41.36	54.00	-12.64	AVG

Emission Level= Read Level+ Correct Factor

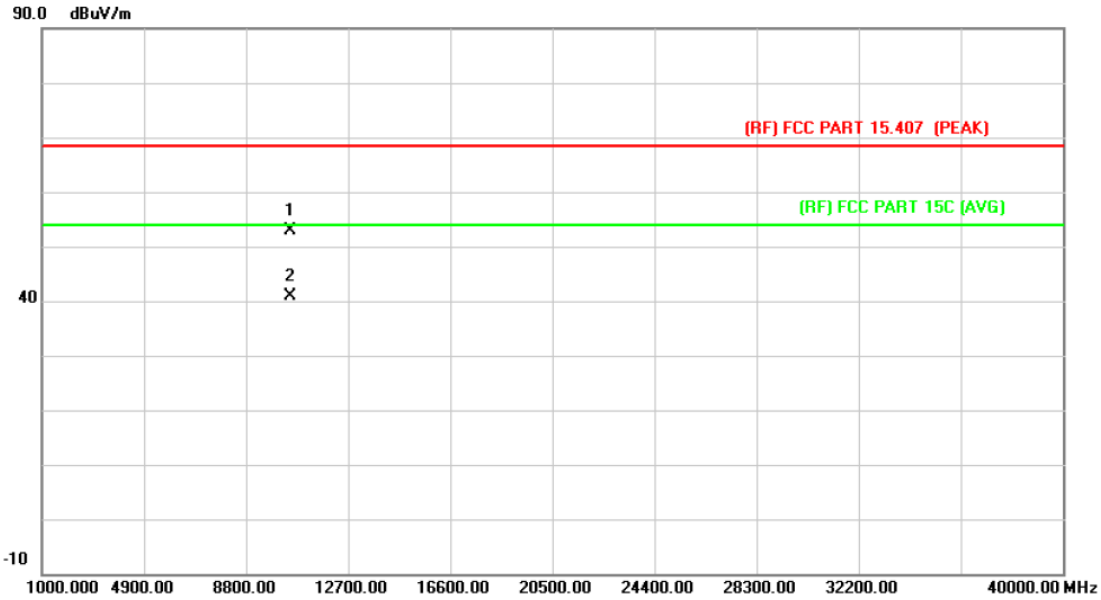
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11a Mode 5240MHz (U-NII-1)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	10479.838	19.90	20.68	40.58	54.00	-13.42	AVG
2		10481.708	32.25	20.68	52.93	68.30	-15.37	peak

Emission Level= Read Level+ Correct Factor

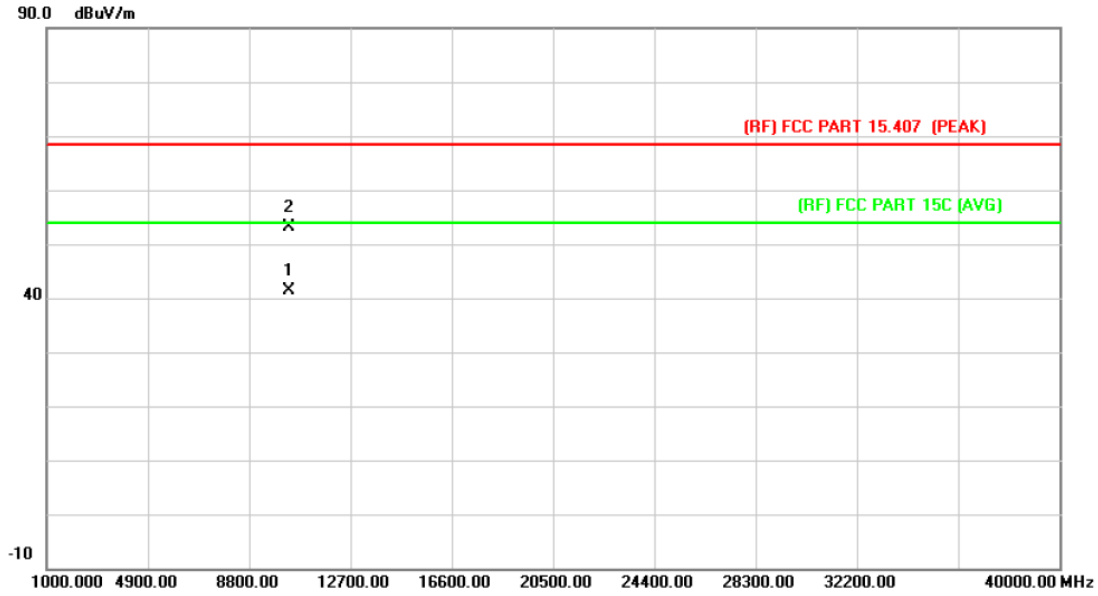
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11a Mode 5240MHz (U-NII-1)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10480.125	32.14	20.68	52.82	68.30	-15.48	peak
2	*	10481.733	20.24	20.68	40.92	54.00	-13.08	AVG

Emission Level= Read Level+ Correct Factor

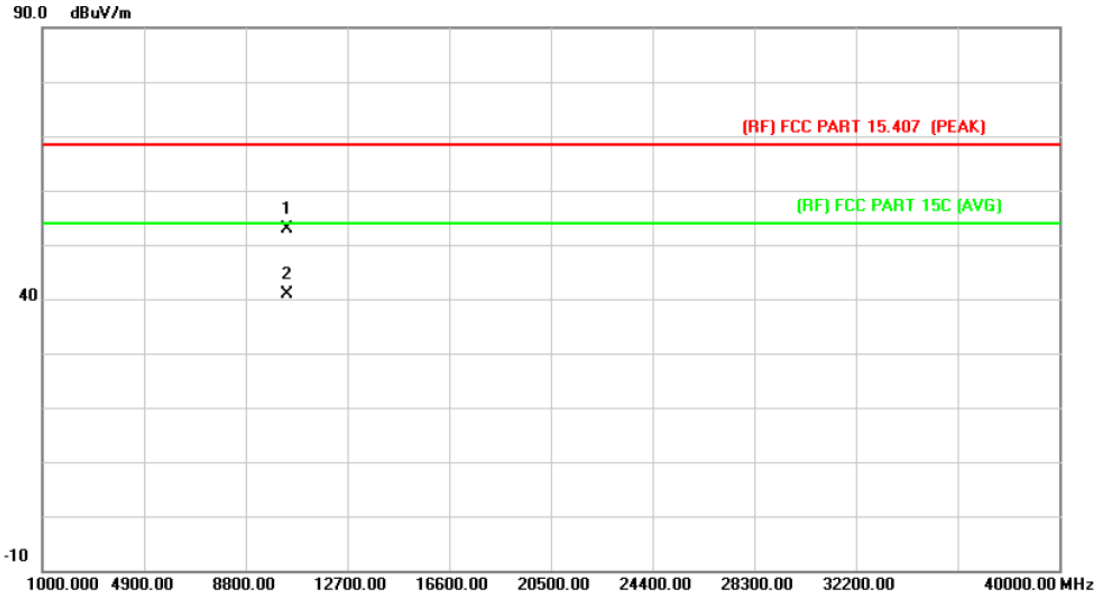
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11n(HT20) Mode 5180MHz (U-NII-1)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	10358.030	20.92	20.50	41.42	54.00	-12.58	AVG
2		10358.990	32.66	20.50	53.16	68.30	-15.14	peak

Emission Level= Read Level+ Correct Factor

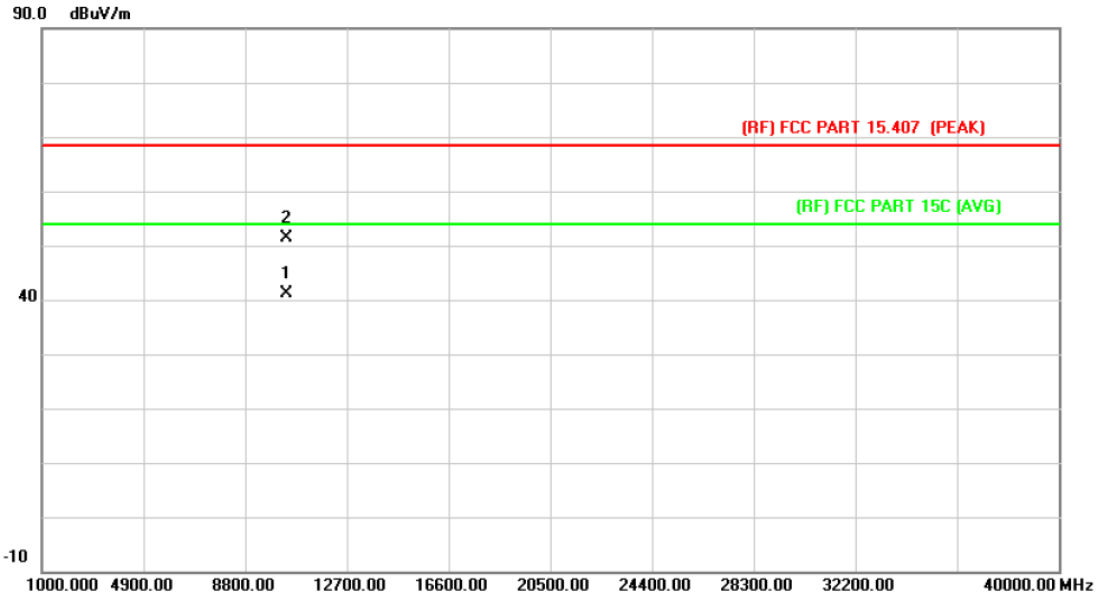
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11n(HT20) Mode 5180MHz (U-NII-1)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10360.287	32.49	20.50	52.99	68.30	-15.31	peak
2	*	10361.509	20.36	20.50	40.86	54.00	-13.14	AVG

Emission Level= Read Level+ Correct Factor

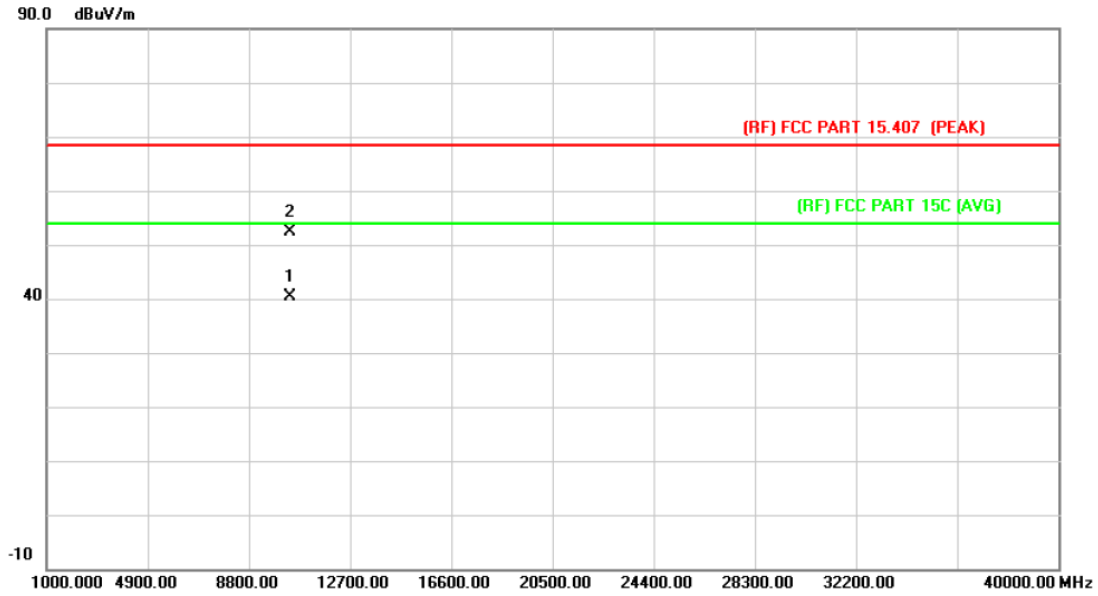
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11n(HT20) Mode 5200MHz (U-NII-1)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	10398.865	20.60	20.56	41.16	54.00	-12.84	AVG
2		10399.177	30.92	20.56	51.48	68.30	-16.82	peak

Emission Level= Read Level+ Correct Factor

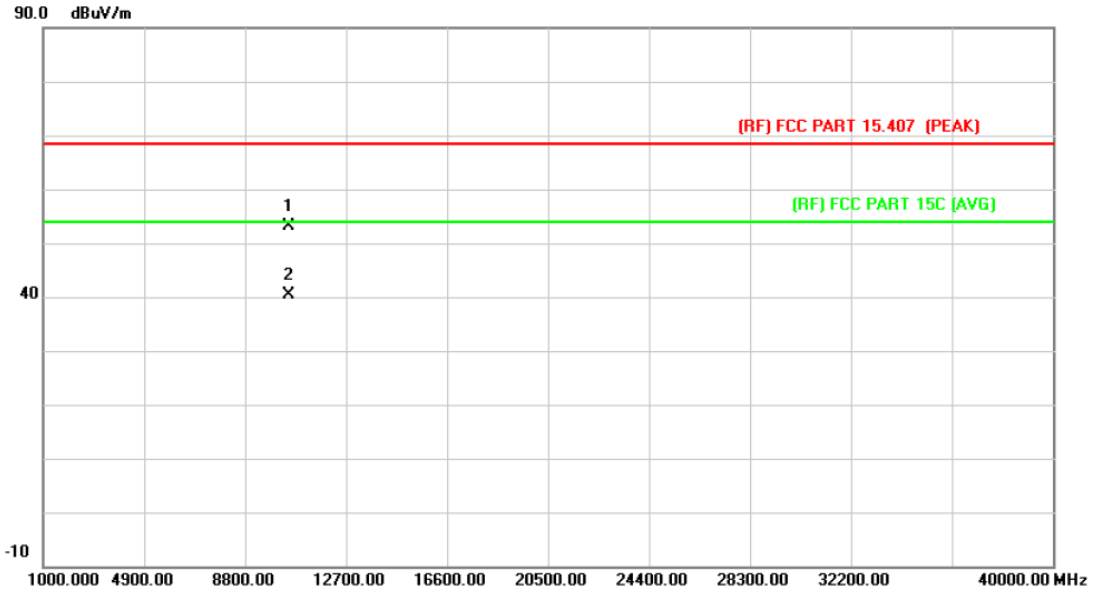
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11n(HT20) Mode 5200MHz (U-NII-1)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	10400.673	19.86	20.56	40.42	54.00	-13.58	AVG
2		10401.870	31.74	20.56	52.30	68.30	-16.00	peak

Emission Level= Read Level+ Correct Factor

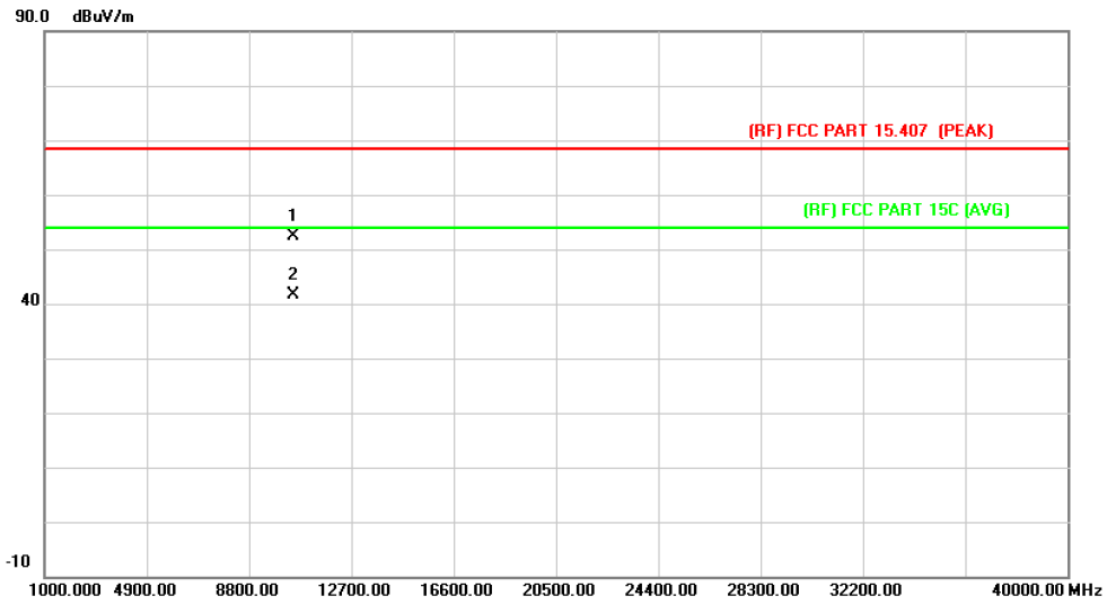
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11n(HT20) Mode 5240MHz (U-NII-1)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10480.374	32.35	20.68	53.03	68.30	-15.27	peak
2	*	10480.611	19.68	20.68	40.36	54.00	-13.64	AVG

Emission Level= Read Level+ Correct Factor

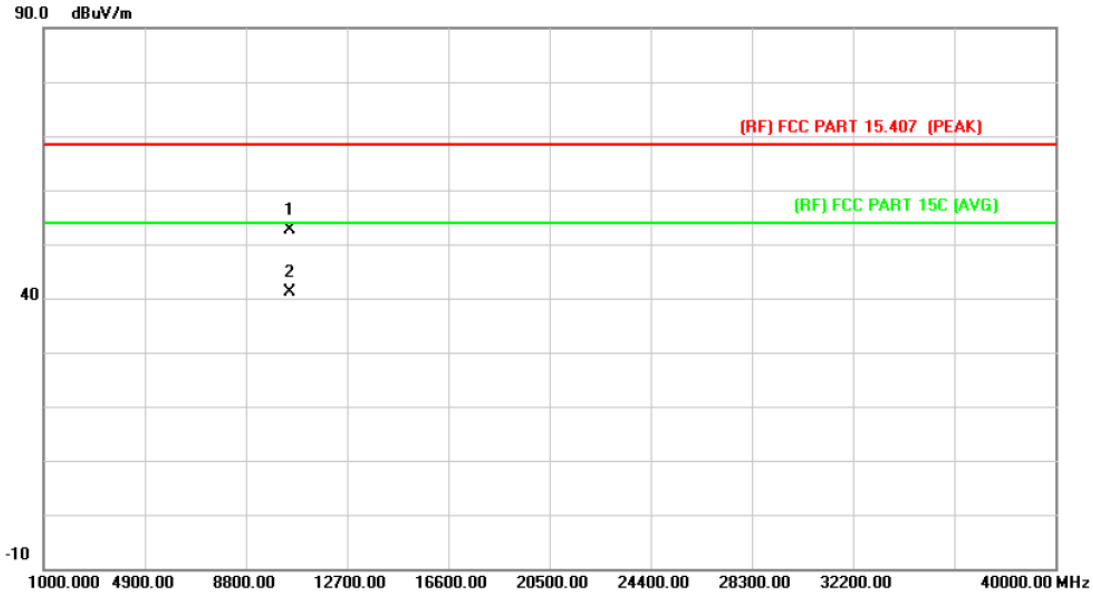
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11n(HT20) Mode 5240MHz (U-NII-1)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10480.536	31.69	20.68	52.37	68.30	-15.93	peak
2	*	10480.586	20.87	20.68	41.55	54.00	-12.45	AVG

Emission Level= Read Level+ Correct Factor

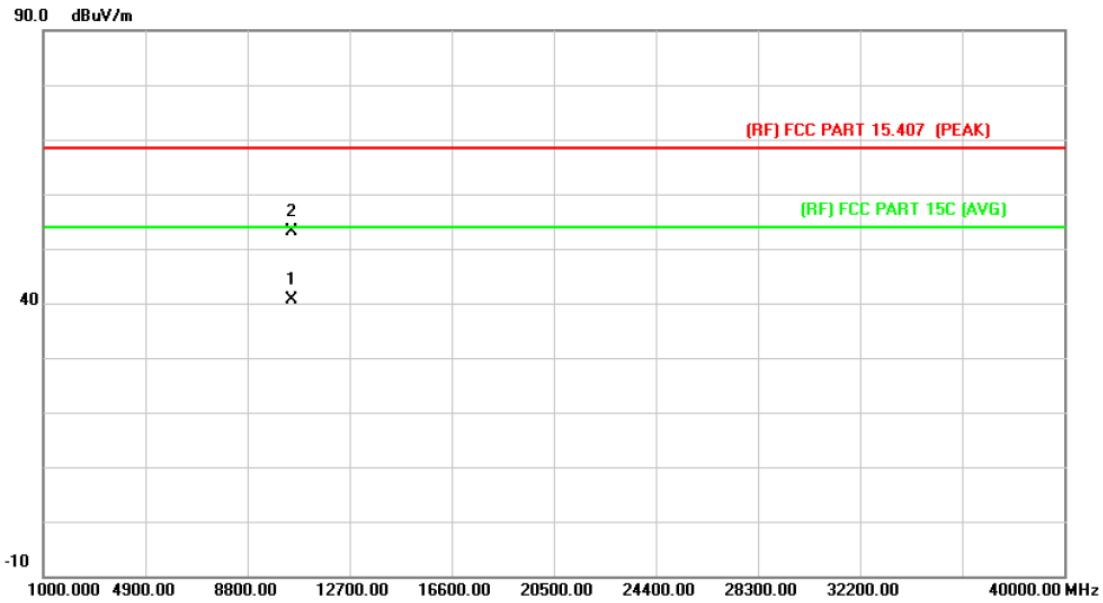
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11ac(VHT20) Mode 5180MHz (U-NII-1)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10481.820	32.05	20.68	52.73	68.30	-15.57	peak
2	*	10482.120	20.42	20.68	41.10	54.00	-12.90	AVG

Emission Level= Read Level+ Correct Factor

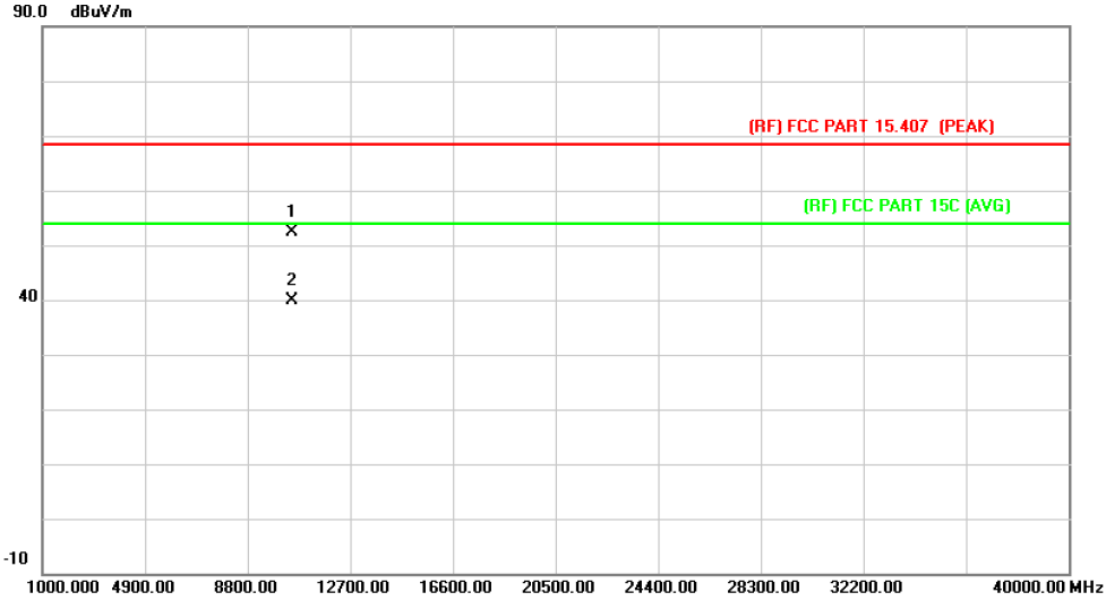
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11ac(VHT20) Mode 5180MHz (U-NII-1)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	10478.878	20.02	20.68	40.70	54.00	-13.30	AVG
2		10480.998	32.46	20.68	53.14	68.30	-15.16	peak

Emission Level= Read Level+ Correct Factor

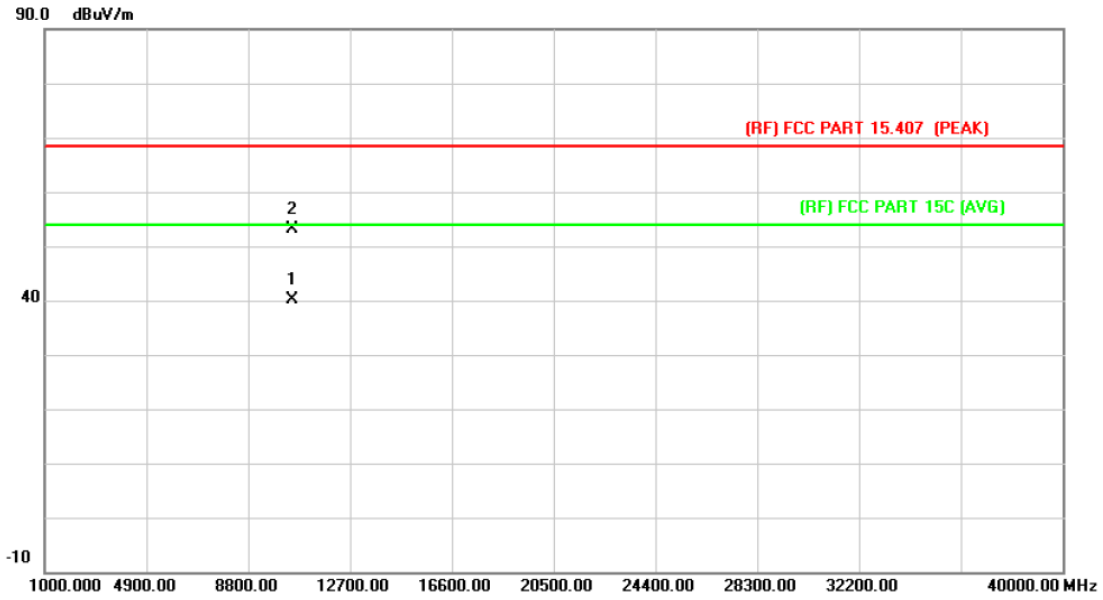
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11ac(VHT20) Mode 5200MHz (U-NII-1)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10478.703	31.66	20.68	52.34	68.30	-15.96	peak
2	*	10479.414	19.10	20.68	39.78	54.00	-14.22	AVG

Emission Level= Read Level+ Correct Factor

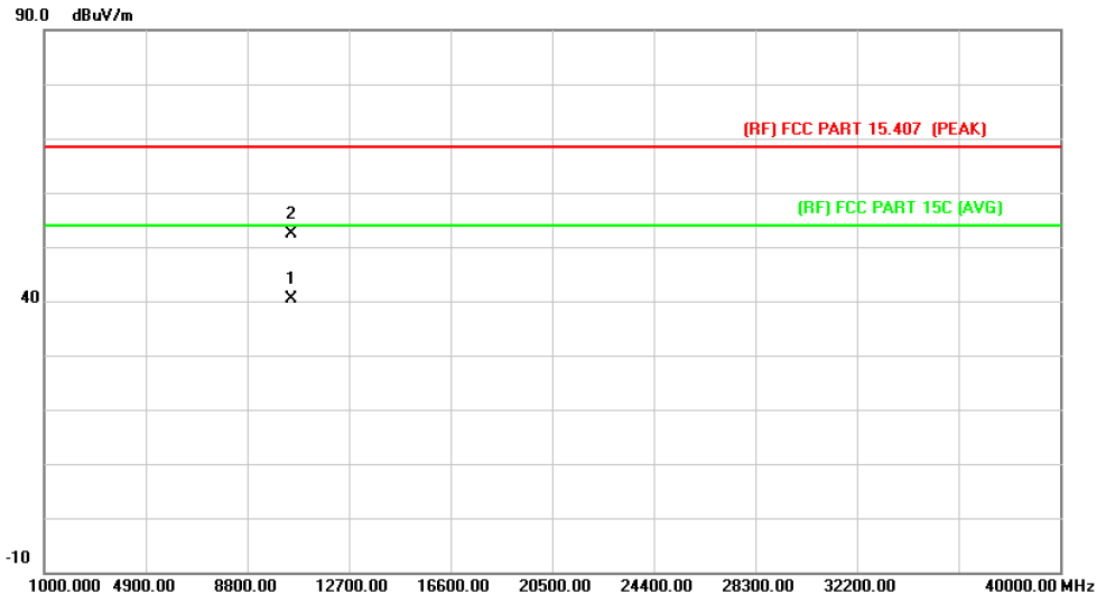
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11ac(VHT20) Mode 5200MHz (U-NII-1)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	10477.606	19.41	20.67	40.08	54.00	-13.92	AVG
2		10478.030	32.33	20.68	53.01	68.30	-15.29	peak

Emission Level= Read Level+ Correct Factor

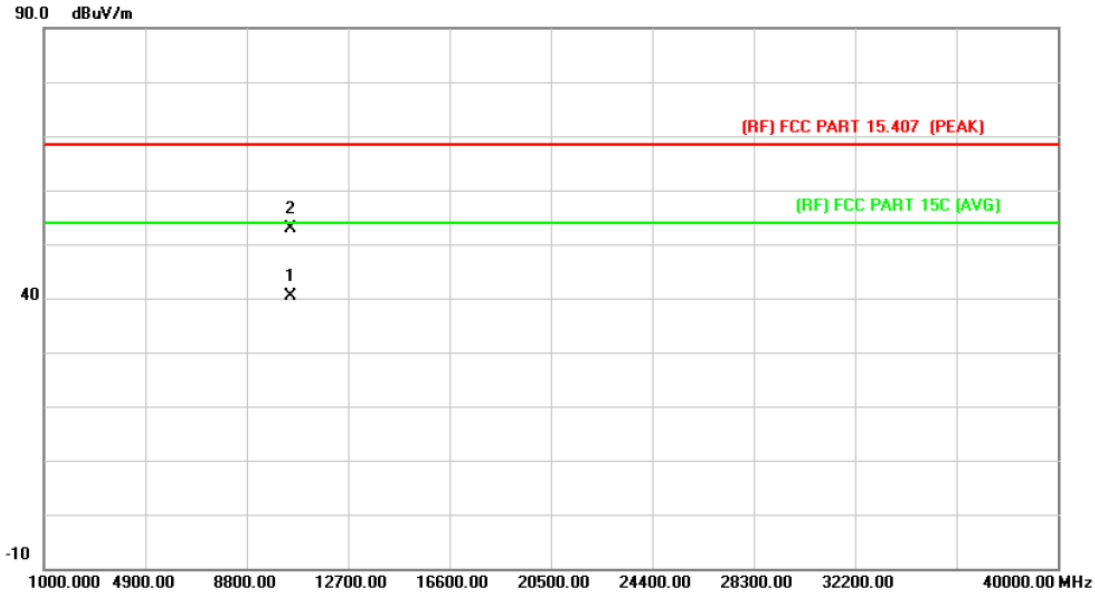
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11 ac(VHT20) Mode 5240MHz (U-NII-1)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	10478.616	19.79	20.68	40.47	54.00	-13.53	AVG
2		10482.481	31.65	20.68	52.33	68.30	-15.97	peak

Emission Level= Read Level+ Correct Factor

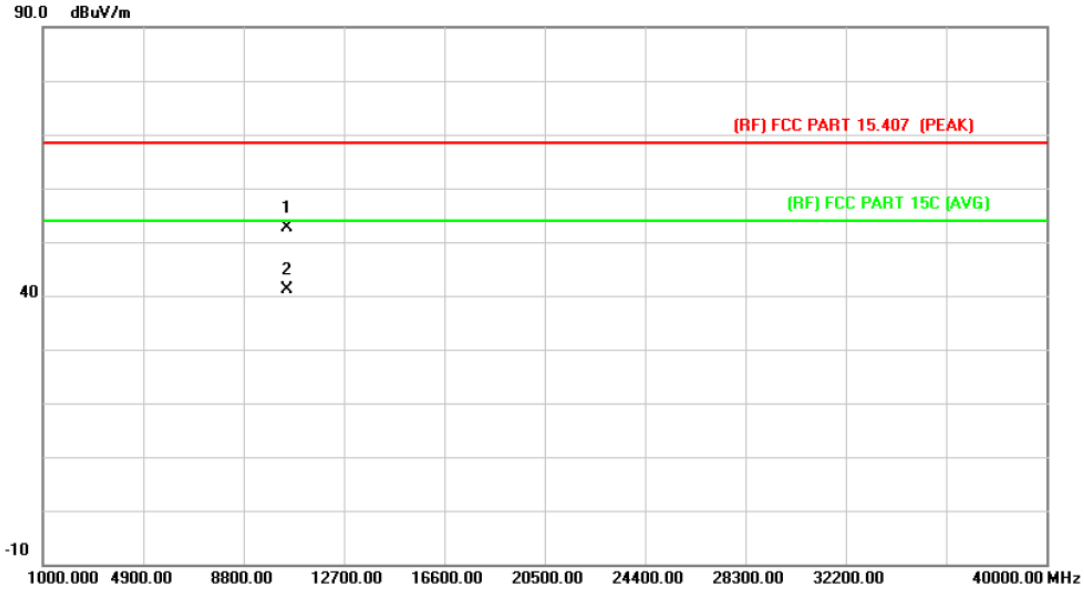
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11ac(VHT20) Mode 5240MHz (U-NII-1)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	10478.678	19.65	20.68	40.33	54.00	-13.67	AVG
2		10480.973	32.26	20.68	52.94	68.30	-15.36	peak

Emission Level= Read Level+ Correct Factor

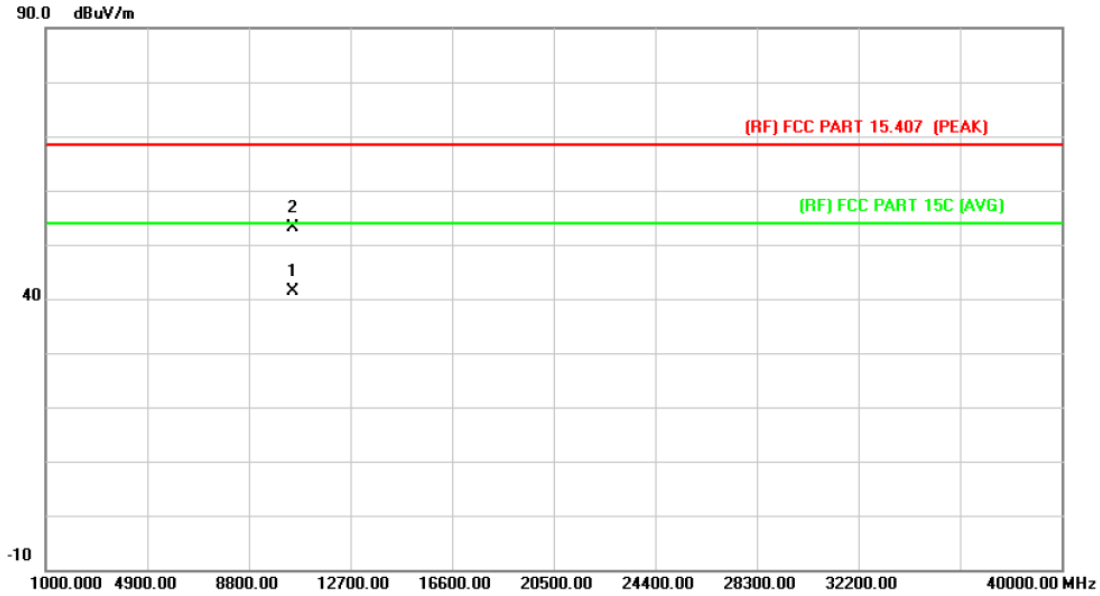
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11n(HT40) Mode 5190MHz (U-NII-1)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10478.529	32.03	20.68	52.71	68.30	-15.59	peak
2	*	10478.641	20.33	20.68	41.01	54.00	-12.99	AVG

Emission Level= Read Level+ Correct Factor

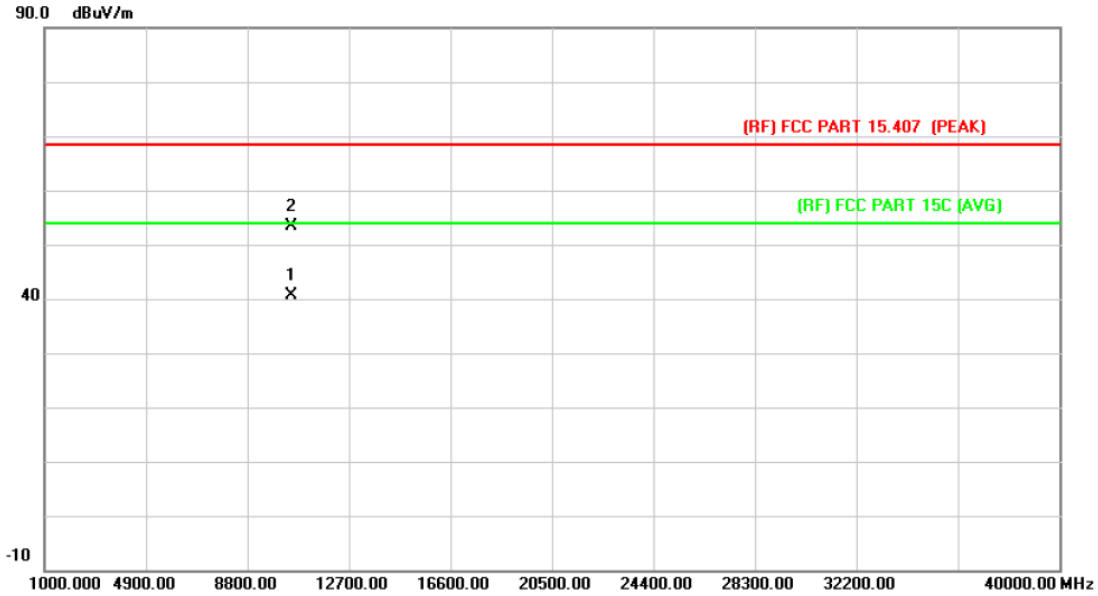
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11n(HT40) Mode 5190MHz (U-NII-1)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	10477.855	20.59	20.67	41.26	54.00	-12.74	AVG
2		10482.332	32.48	20.68	53.16	68.30	-15.14	peak

Emission Level= Read Level+ Correct Factor

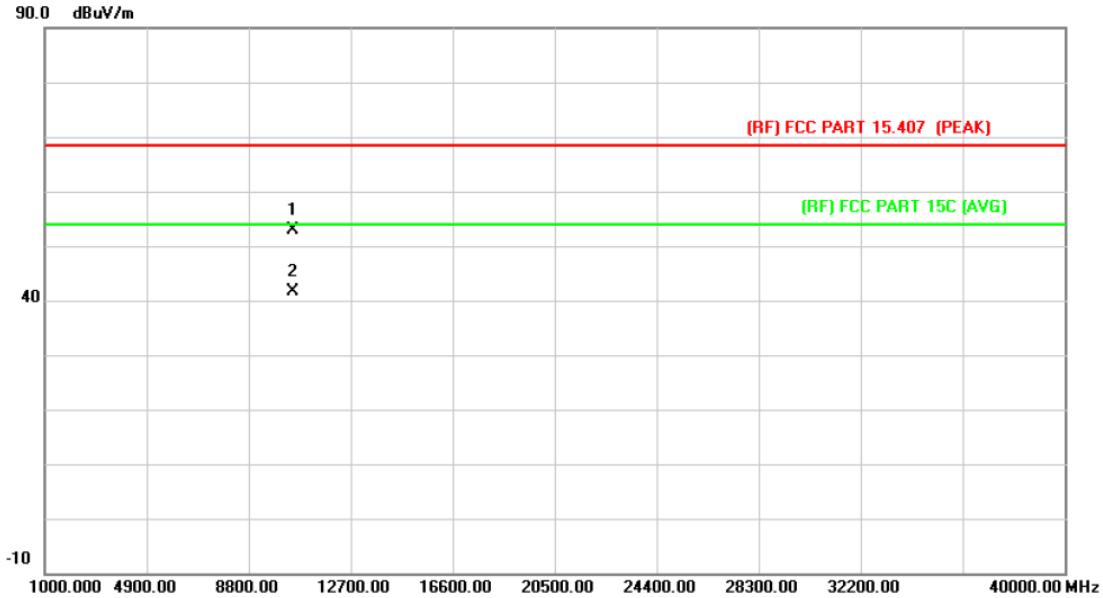
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11n(HT40) Mode 5230MHz (U-NII-1)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	10478.591	19.91	20.68	40.59	54.00	-13.41	AVG
2		10480.810	32.74	20.68	53.42	68.30	-14.88	peak

Emission Level= Read Level+ Correct Factor

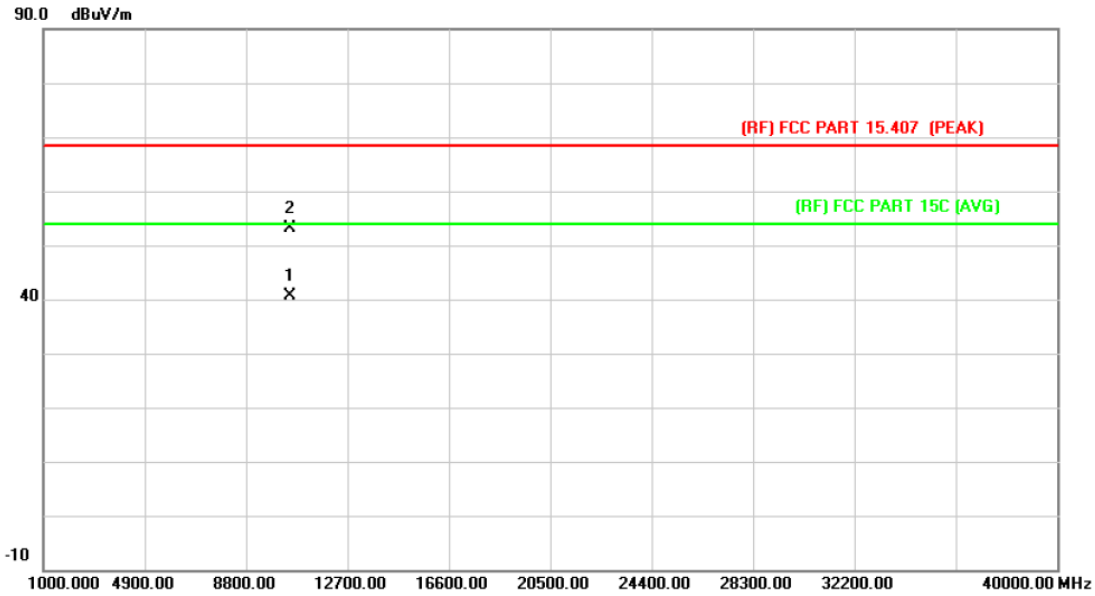
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11n(HT40) Mode 5230MHz (U-NII-1)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10477.506	32.26	20.67	52.93	68.30	-15.37	peak
2	*	10479.065	21.02	20.68	41.70	54.00	-12.30	AVG

Emission Level= Read Level+ Correct Factor

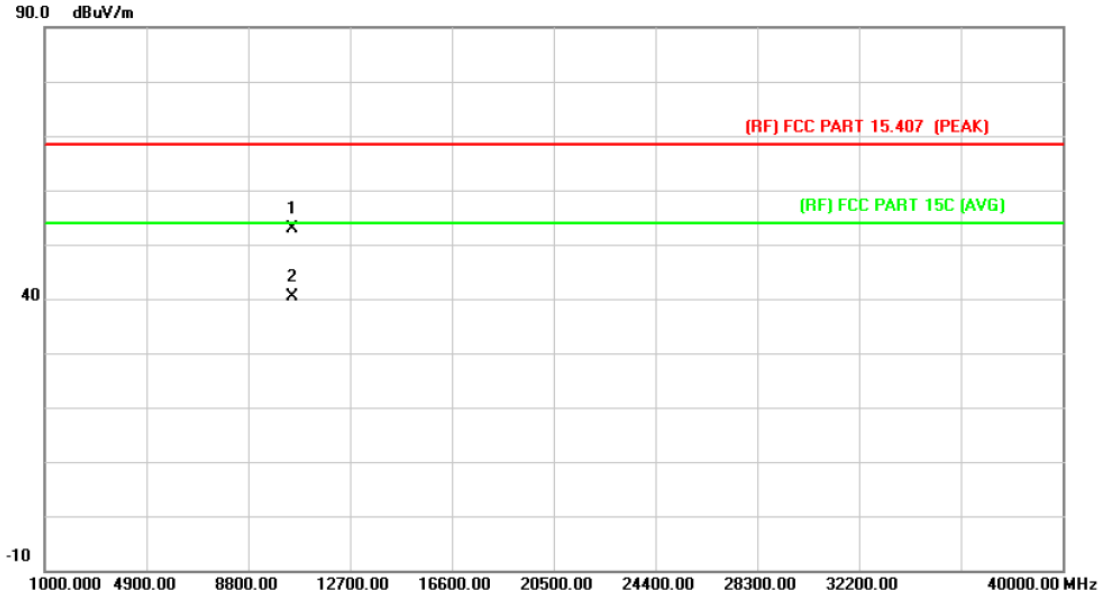
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11ac(VHT40) Mode 5190MHz (U-NII-1)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	10478.766	19.93	20.68	40.61	54.00	-13.39	AVG
2		10479.738	32.40	20.68	53.08	68.30	-15.22	peak

Emission Level= Read Level+ Correct Factor

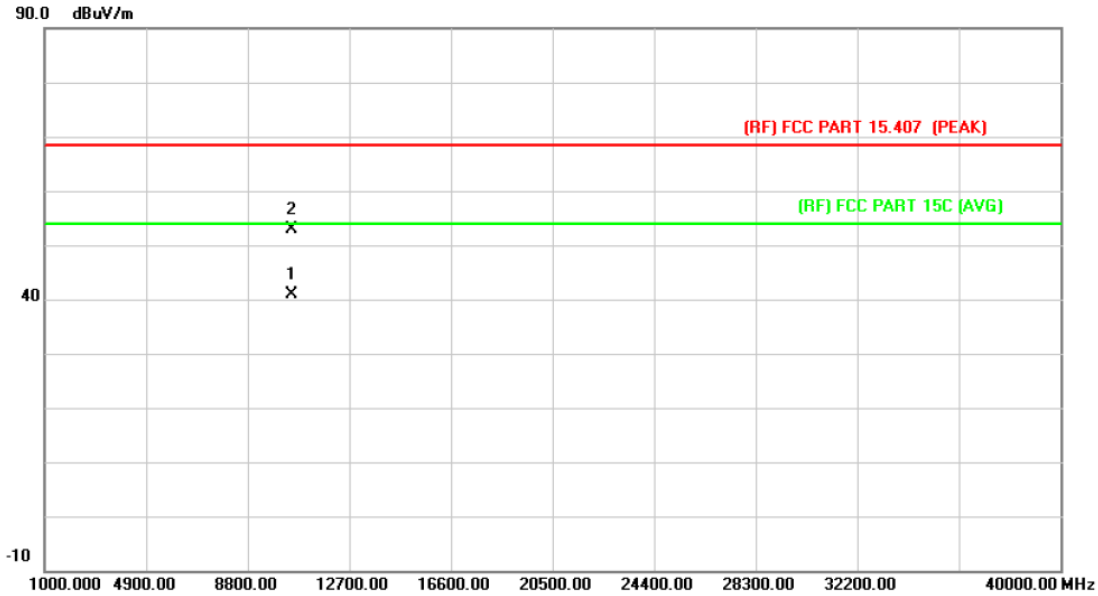
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11ac(VHT40) Mode 5190MHz (U-NII-1)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10478.978	32.21	20.68	52.89	68.30	-15.41	peak
2	*	10480.100	19.59	20.68	40.27	54.00	-13.73	AVG

Emission Level= Read Level+ Correct Factor

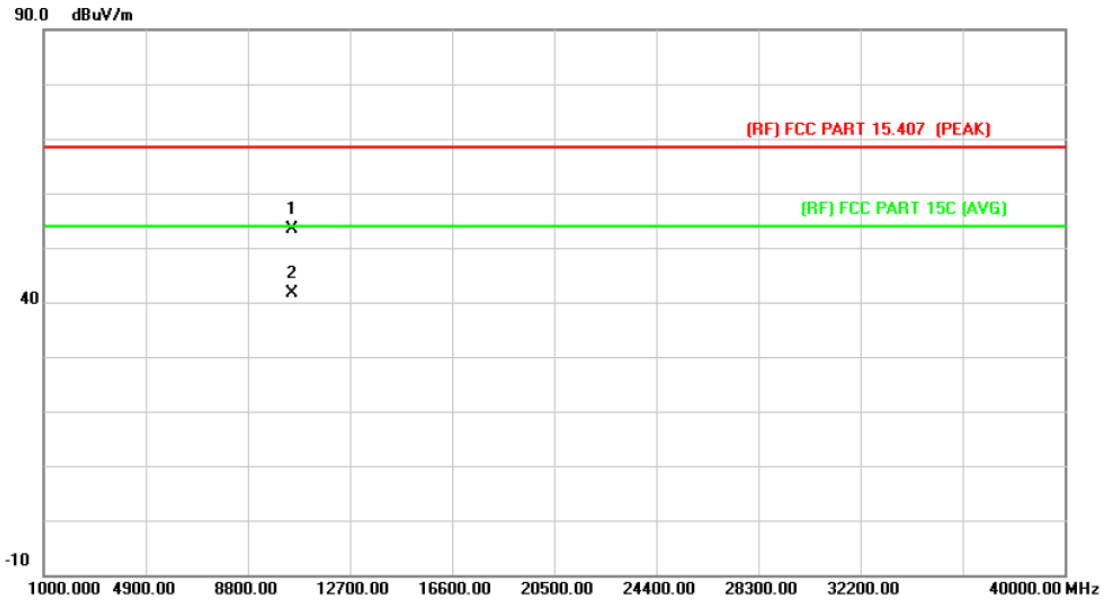
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11ac(VHT40) Mode 5230MHz (U-NII-1)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	10479.077	20.16	20.68	40.84	54.00	-13.16	AVG
2		10480.661	32.16	20.68	52.84	68.30	-15.46	peak

Emission Level= Read Level+ Correct Factor

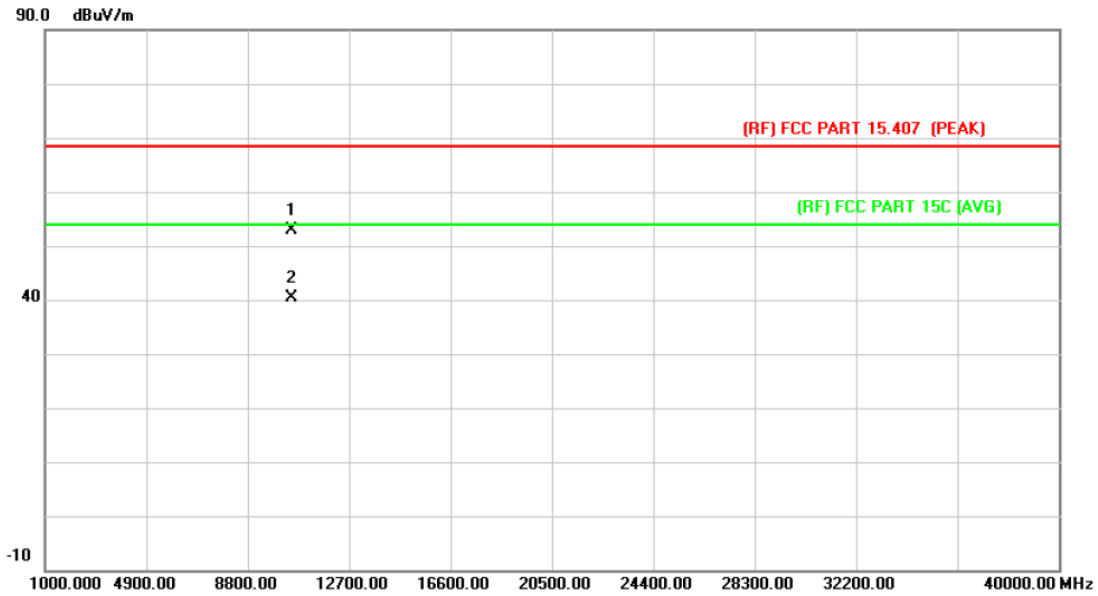
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11ac(VHT40) Mode 5230MHz (U-NII-1)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10479.551	32.58	20.68	53.26	68.30	-15.04	peak
2	*	10481.322	20.88	20.68	41.56	54.00	-12.44	AVG

Emission Level= Read Level+ Correct Factor

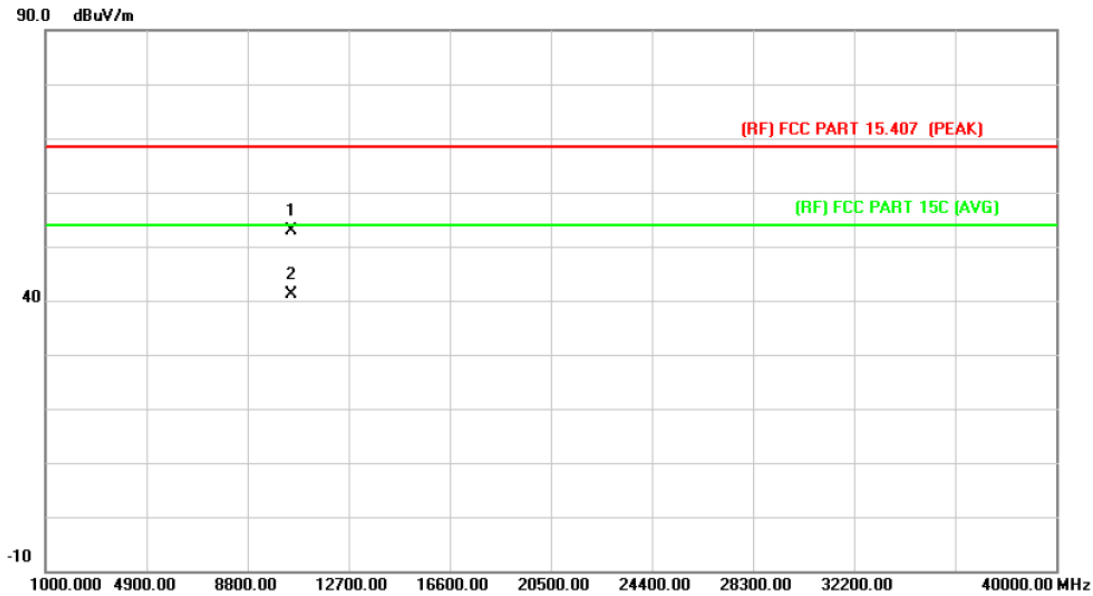
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11ac(VHT80) Mode 5210MHz (U-NII-1)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10479.127	32.18	20.68	52.86	68.30	-15.44	peak
2	*	10480.125	19.73	20.68	40.41	54.00	-13.59	AVG

Emission Level= Read Level+ Correct Factor

Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11ac(VHT80) Mode 5210MHz (U-NII-1)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		

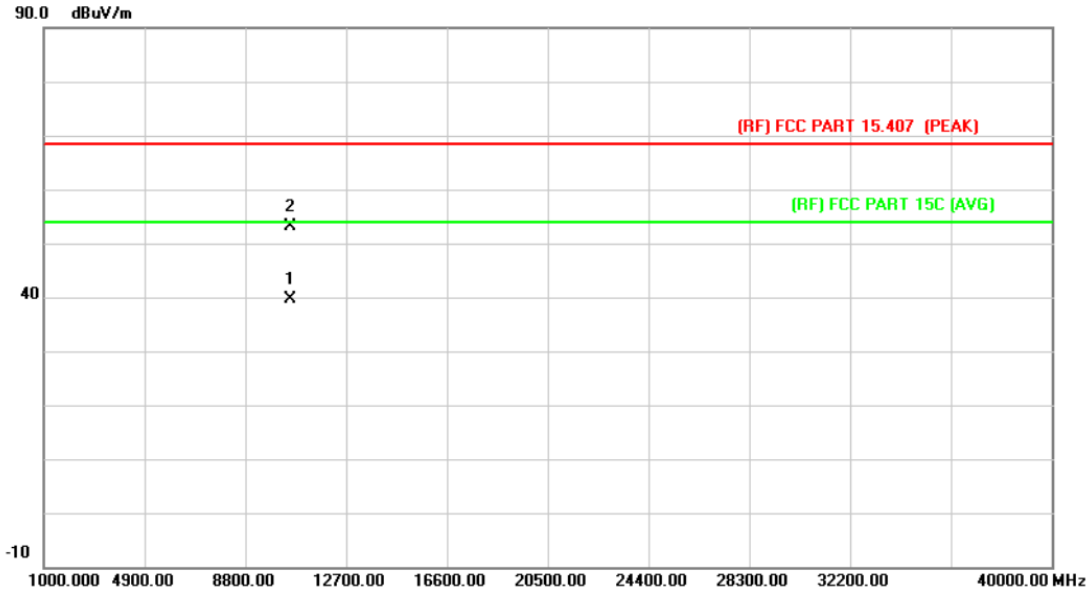


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10477.531	32.21	20.67	52.88	68.30	-15.42	peak
2	*	10481.222	20.52	20.68	41.20	54.00	-12.80	AVG

Emission Level= Read Level+ Correct Factor

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

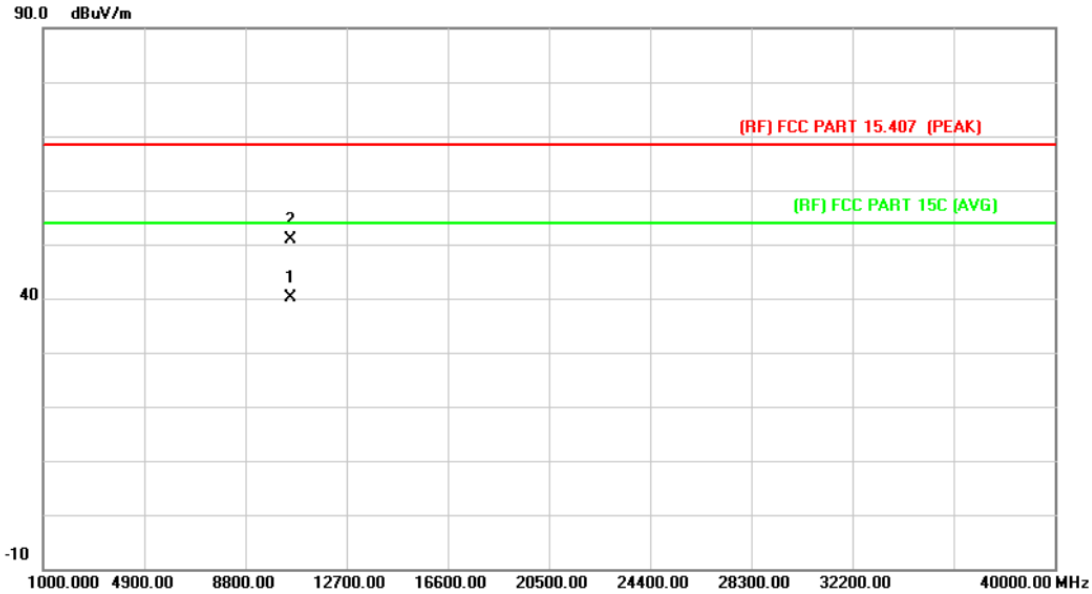
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11a Mode 5260MHz (U-NII-2A)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit. Only worse case is reported.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	10519.265	18.84	20.73	39.57	54.00	-14.43	AVG
2		10519.345	32.47	20.73	53.20	68.30	-15.10	peak

Emission Level= Read Level+ Correct Factor

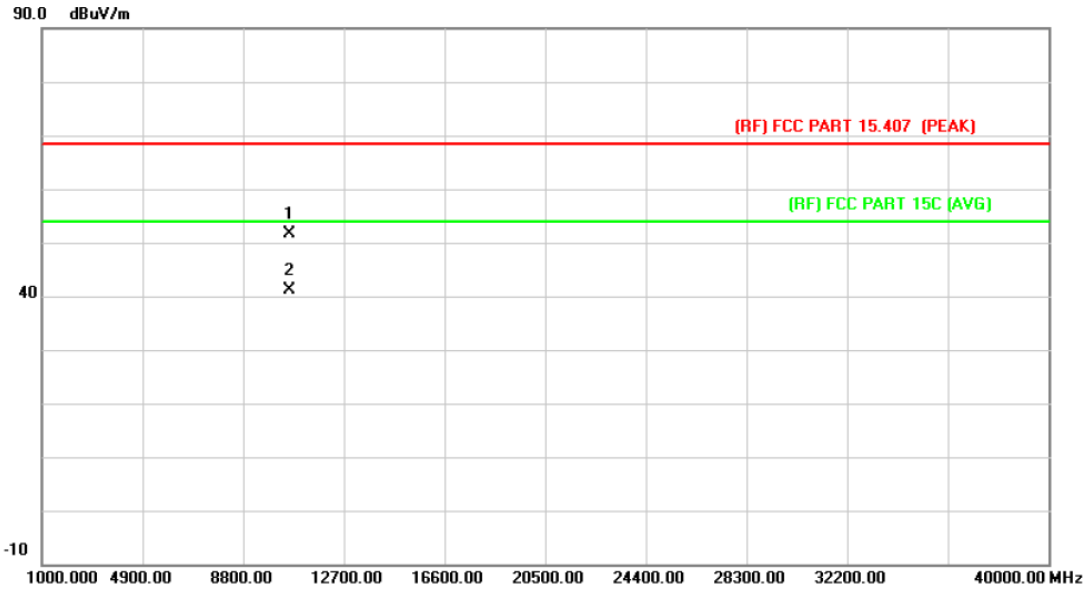
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11a Mode 5260MHz (U-NII-2A)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit. Only worse case is reported.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	10519.591	19.42	20.73	40.15	54.00	-13.85	AVG
2		10519.796	30.15	20.73	50.88	68.30	-17.42	peak

Emission Level= Read Level+ Correct Factor

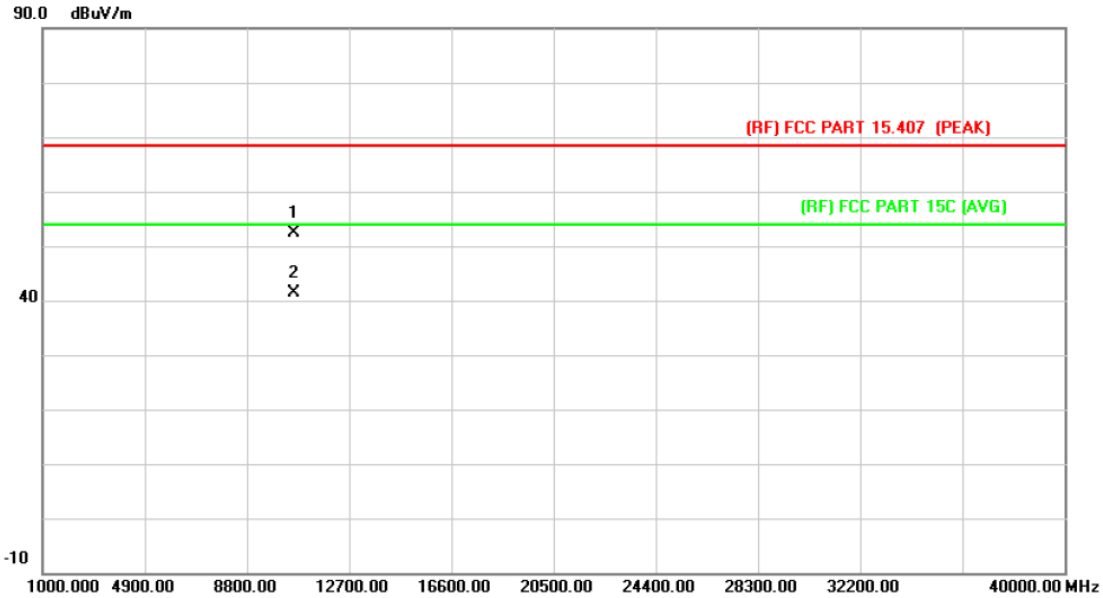
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11a Mode 5300MHz (U-NII-2A)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10599.674	30.81	20.83	51.64	68.30	-16.66	peak
2	*	10599.954	20.22	20.83	41.05	54.00	-12.95	AVG

Emission Level= Read Level+ Correct Factor

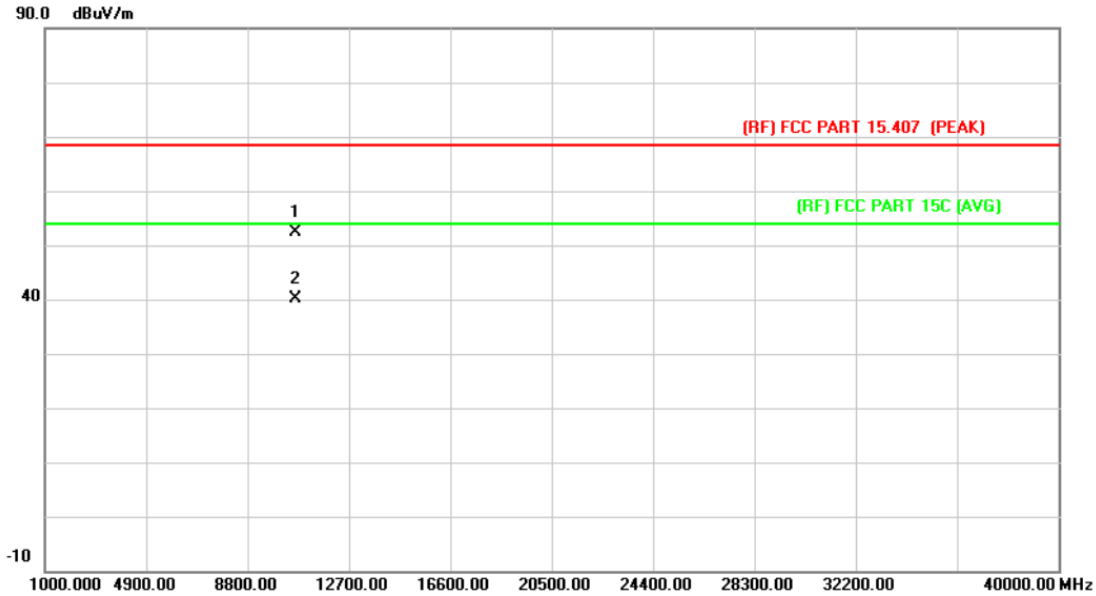
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11a Mode 5300MHz (U-NII-2A)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10599.567	31.53	20.83	52.36	68.30	-15.94	peak
2	*	10600.254	20.52	20.83	41.35	54.00	-12.65	AVG

Emission Level= Read Level+ Correct Factor

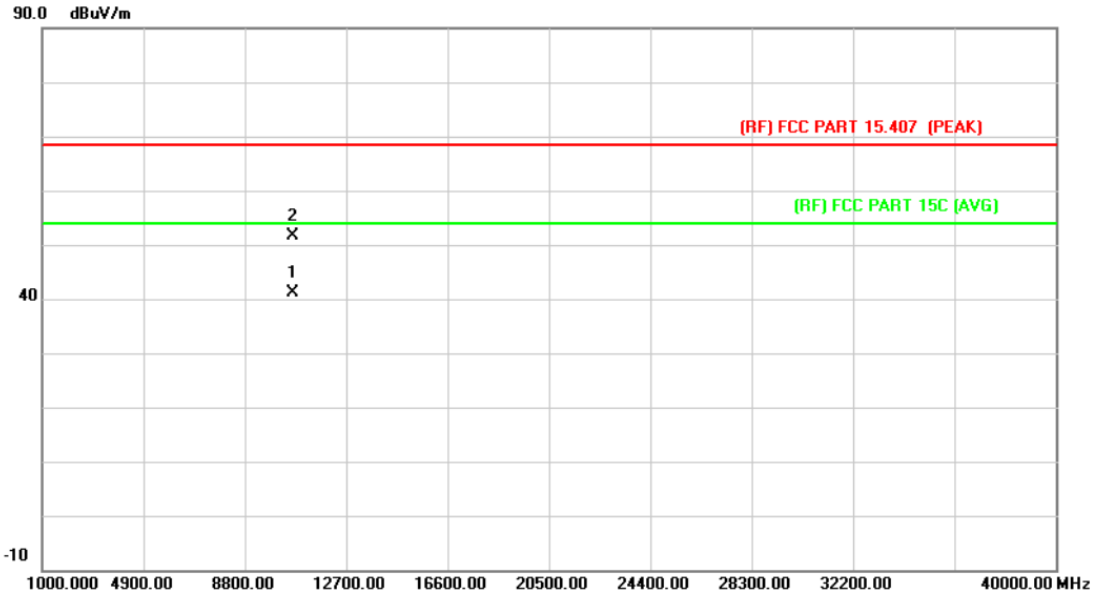
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11a Mode 5320MHz (U-NII-2A)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10639.509	31.59	20.88	52.47	68.30	-15.83	peak
2	*	10639.794	19.23	20.88	40.11	54.00	-13.89	AVG

Emission Level= Read Level+ Correct Factor

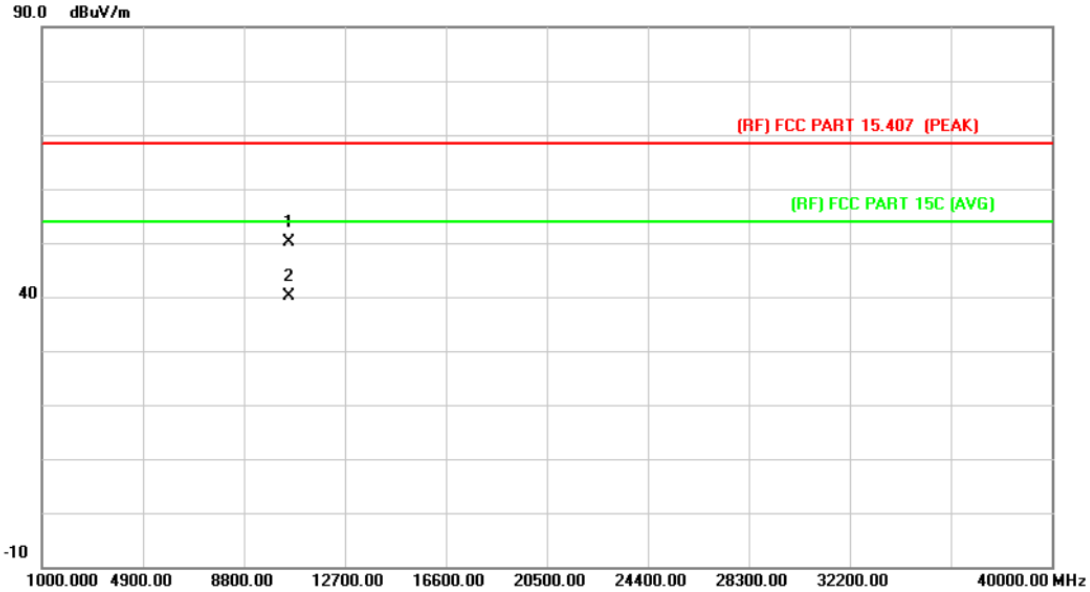
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11a Mode 5320MHz (U-NII-2A)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	10639.629	20.14	20.88	41.02	54.00	-12.98	AVG
2		10639.894	30.79	20.88	51.67	68.30	-16.63	peak

Emission Level= Read Level+ Correct Factor

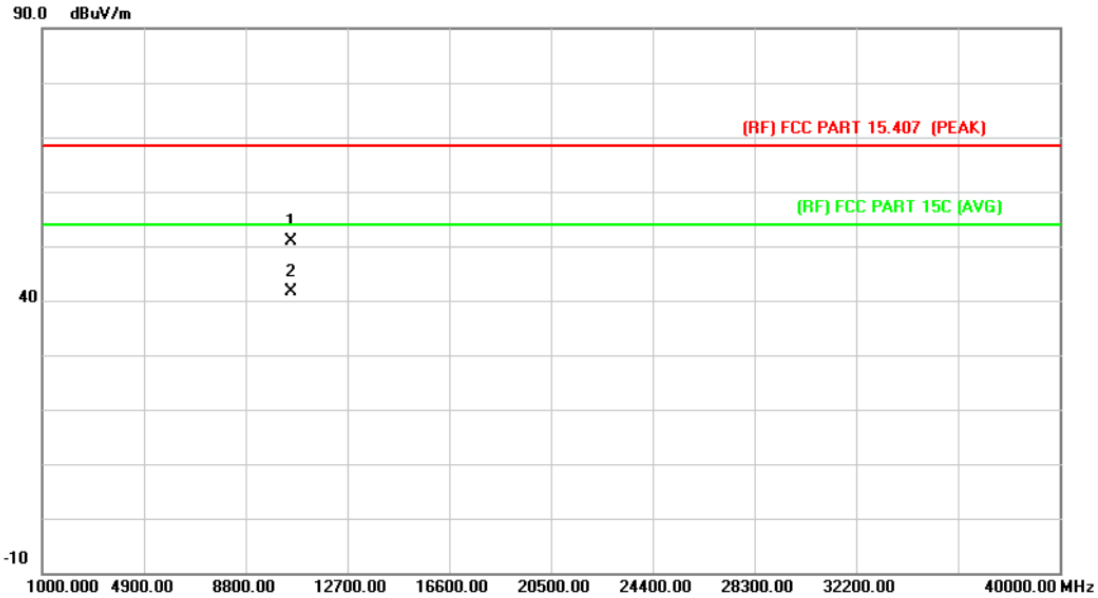
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11n(HT20) Mode 5260MHz (U-NII-2A)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10520.130	29.40	20.73	50.13	68.30	-18.17	peak
2	*	10520.224	19.40	20.73	40.13	54.00	-13.87	AVG

Emission Level= Read Level+ Correct Factor

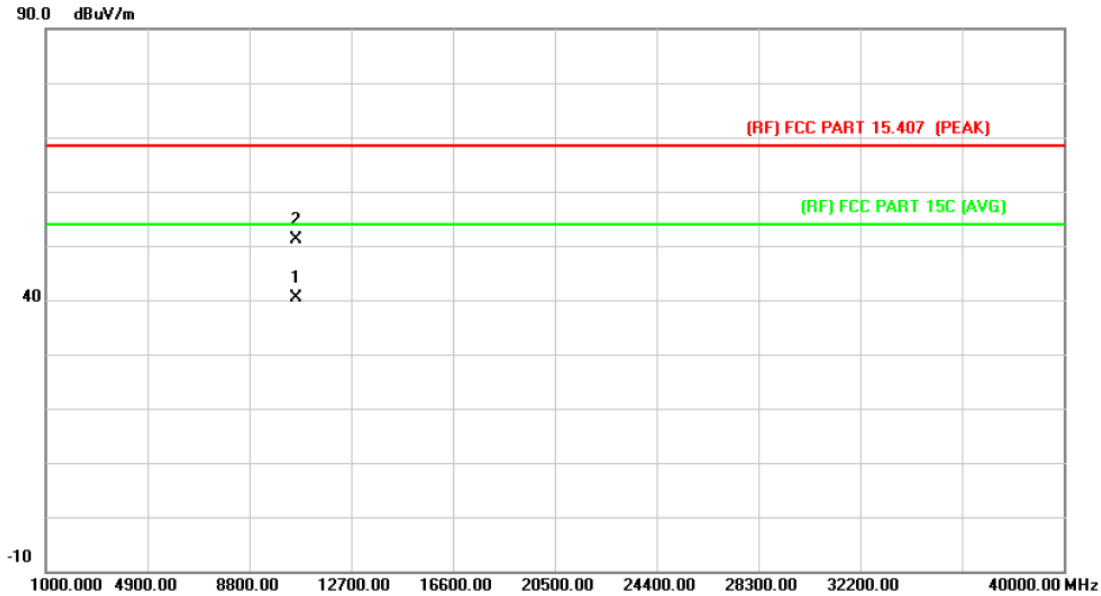
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11n(HT20) Mode 5260MHz (U-NII-2A)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10519.846	30.16	20.73	50.89	68.30	-17.41	peak
2	*	10520.130	20.78	20.73	41.51	54.00	-12.49	AVG

Emission Level= Read Level+ Correct Factor

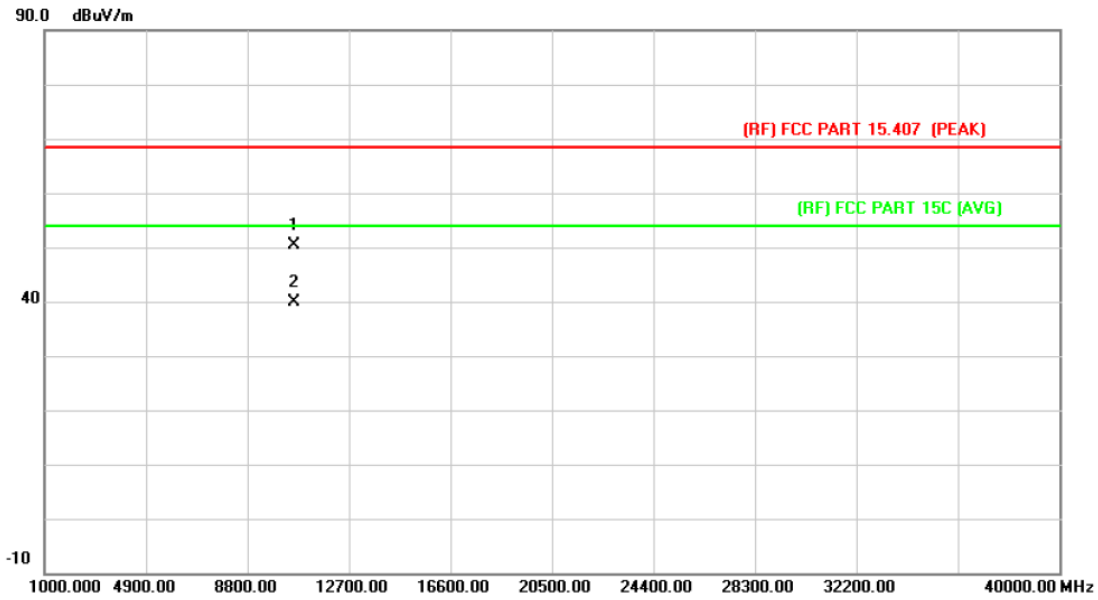
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11n(HT20) Mode 5300MHz (U-NII-2A)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	10599.342	19.55	20.83	40.38	54.00	-13.62	AVG
2		10600.250	30.41	20.83	51.24	68.30	-17.06	peak

Emission Level= Read Level+ Correct Factor

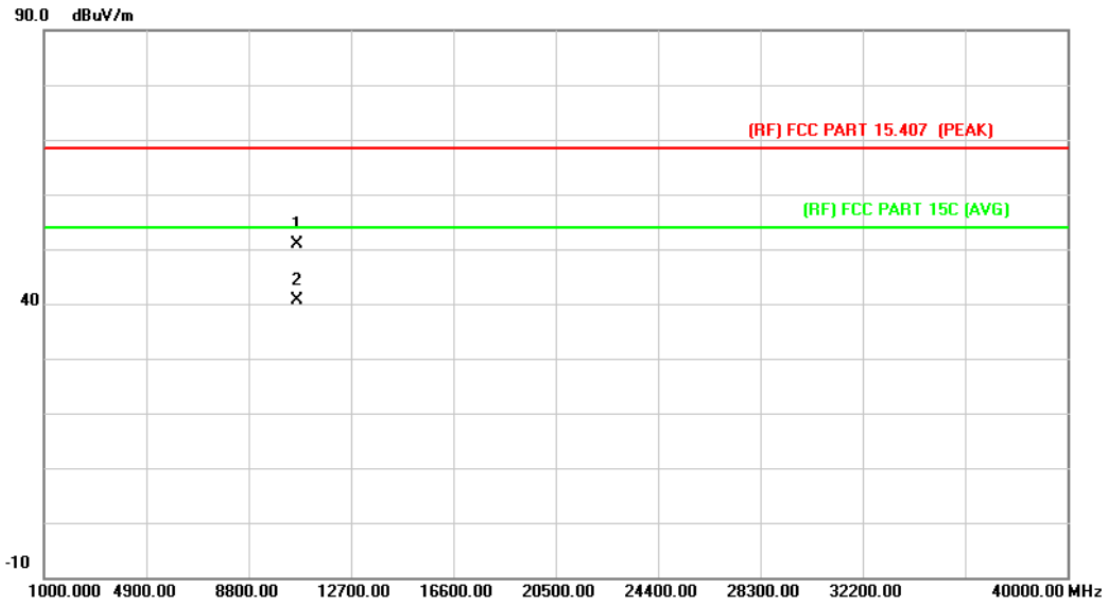
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11n(HT20) Mode 5300MHz (U-NII-2A)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10599.674	29.53	20.83	50.36	68.30	-17.94	peak
2	*	10599.841	19.13	20.83	39.96	54.00	-14.04	AVG

Emission Level= Read Level+ Correct Factor

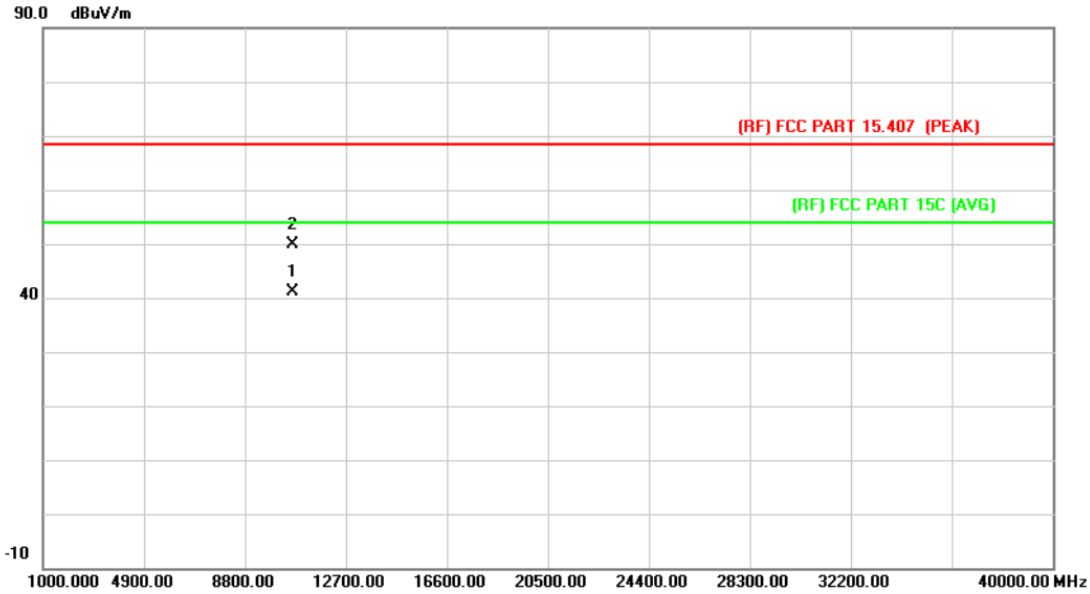
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11n(HT20) Mode 5320MHz (U-NII-2A)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10639.523	30.04	20.88	50.92	68.30	-17.38	peak
2	*	10640.150	19.86	20.88	40.74	54.00	-13.26	AVG

Emission Level= Read Level+ Correct Factor

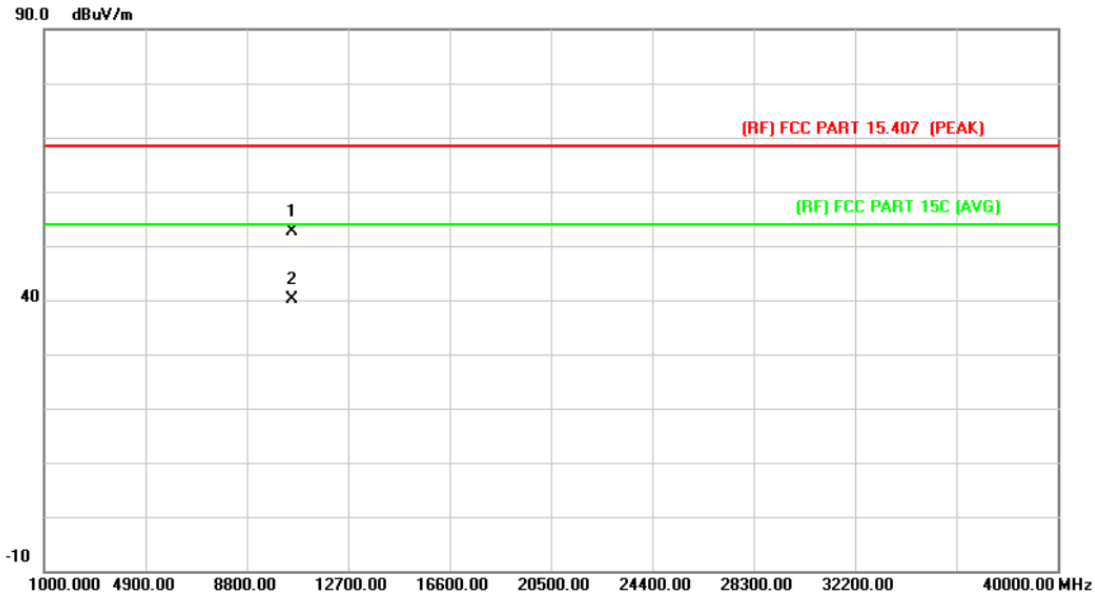
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11n(HT20) Mode 5320MHz (U-NII-2A)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	10639.529	20.32	20.88	41.20	54.00	-12.80	AVG
2		10640.150	29.09	20.88	49.97	68.30	-18.33	peak

Emission Level= Read Level+ Correct Factor

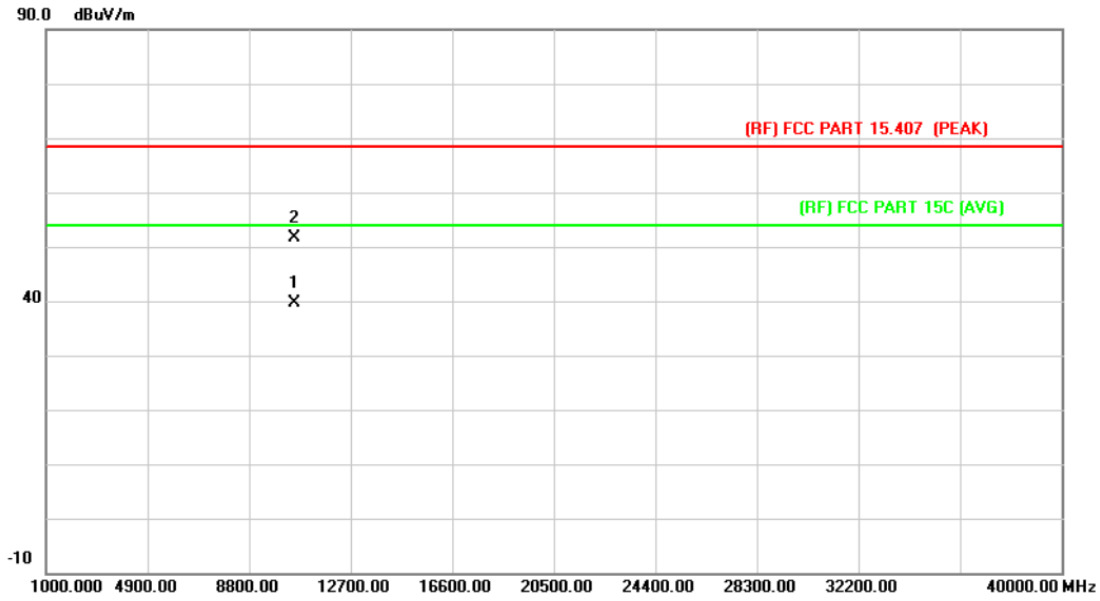
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11ac(VHT20) Mode 5260MHz (U-NII-2A)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10519.659	31.89	20.73	52.62	68.30	-15.68	peak
2	*	10519.704	19.42	20.73	40.15	54.00	-13.85	AVG

Emission Level= Read Level+ Correct Factor

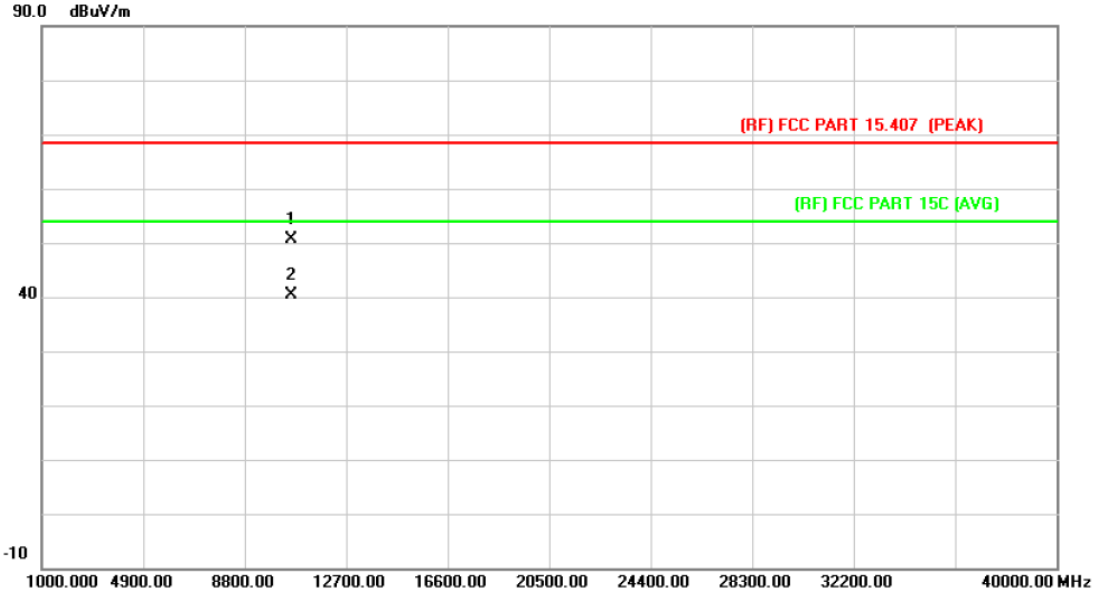
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11ac(VHT20) Mode 5260MHz (U-NII-2A)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	10519.527	18.82	20.73	39.55	54.00	-14.45	AVG
2		10520.255	30.79	20.73	51.52	68.30	-16.78	peak

Emission Level= Read Level+ Correct Factor

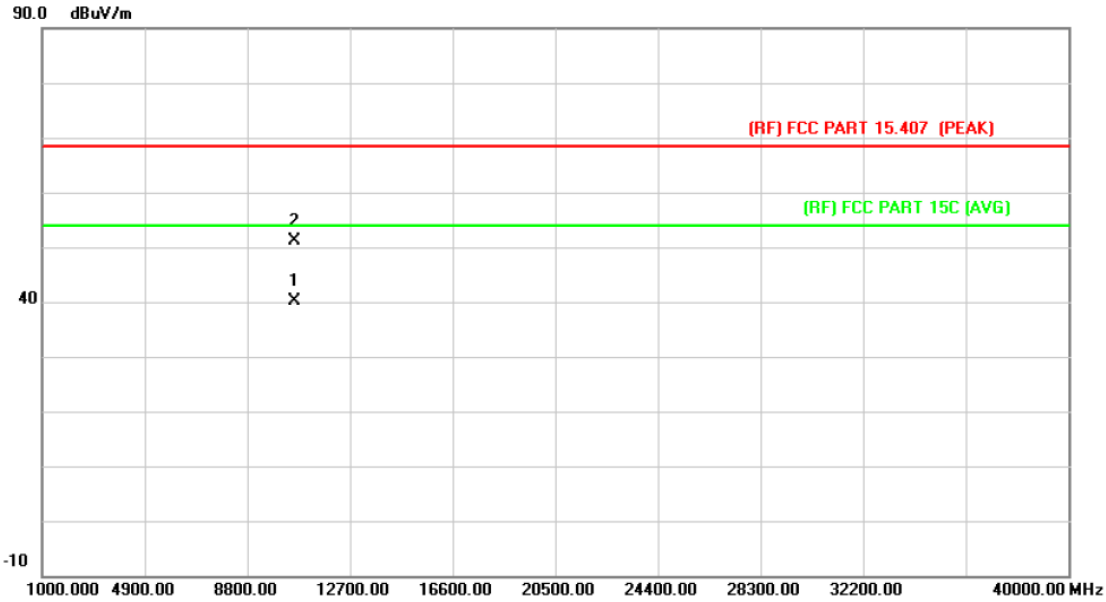
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11ac(VHT20) Mode 5300MHz (U-NII-2A)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10599.748	29.84	20.83	50.67	68.30	-17.63	peak
2	*	10599.797	19.52	20.83	40.35	54.00	-13.65	AVG

Emission Level= Read Level+ Correct Factor

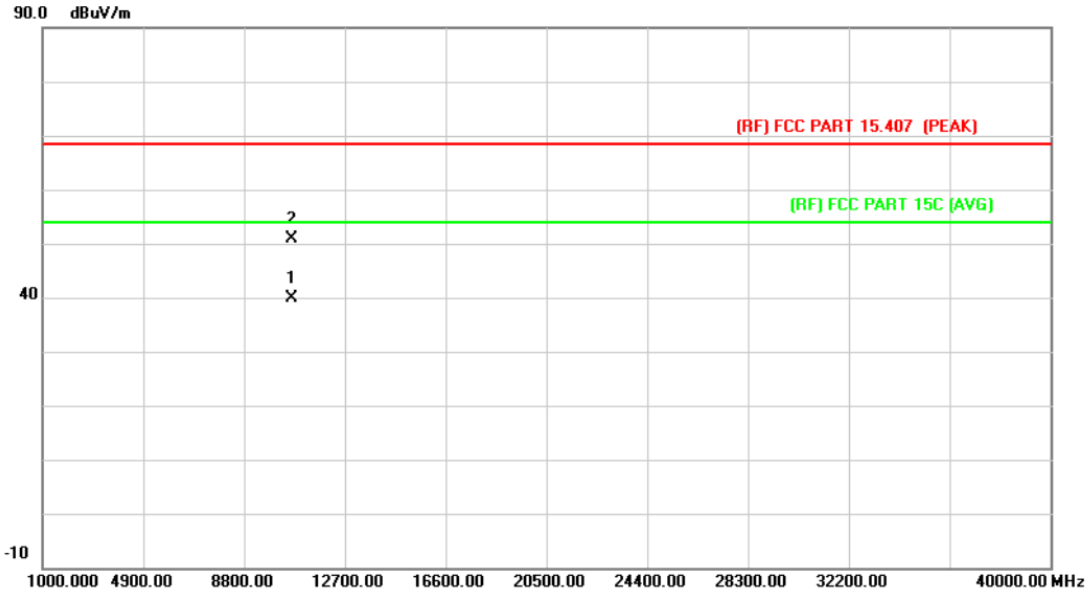
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11ac(VHT20) Mode 5300MHz (U-NII-2A)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	10599.674	19.38	20.83	40.21	54.00	-13.79	AVG
2		10600.320	30.41	20.83	51.24	68.30	-17.06	peak

Emission Level= Read Level+ Correct Factor

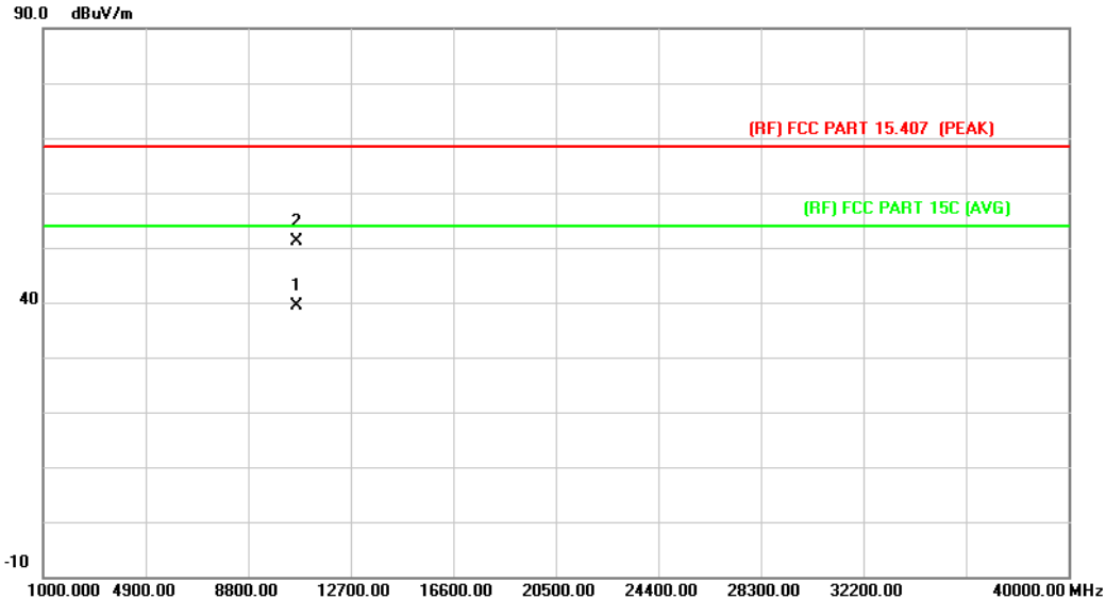
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11 ac(VHT20) Mode 5320MHz (U-NII-2A)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	10639.866	18.99	20.88	39.87	54.00	-14.13	AVG
2		10640.196	29.98	20.88	50.86	68.30	-17.44	peak

Emission Level= Read Level+ Correct Factor

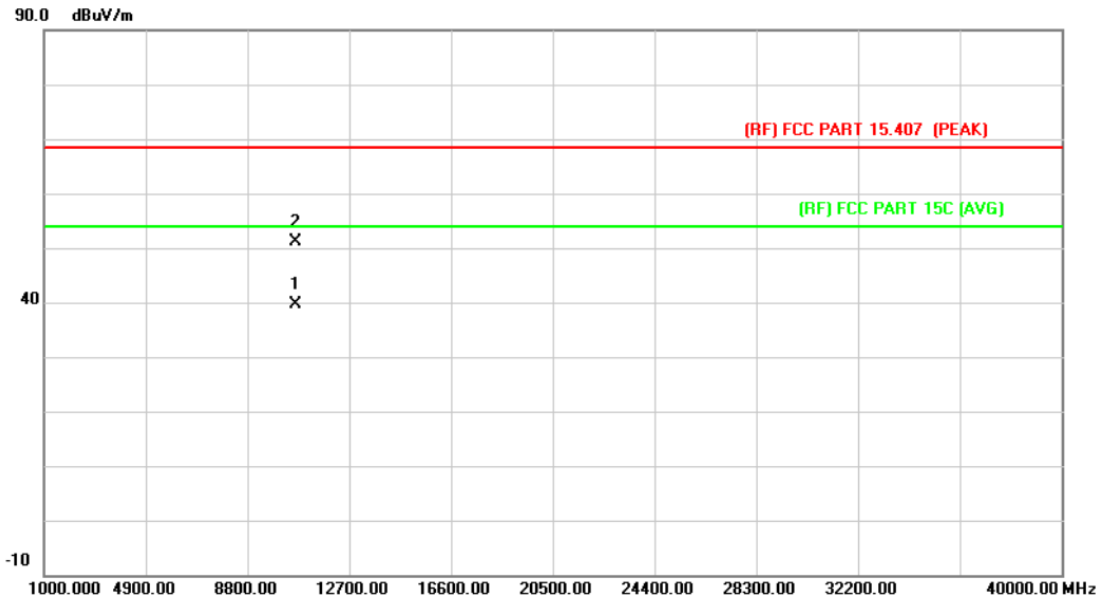
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11ac(VHT20) Mode 5320MHz (U-NII-2A)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	10639.405	18.52	20.88	39.40	54.00	-14.60	AVG
2		10639.501	30.15	20.88	51.03	68.30	-17.27	peak

Emission Level= Read Level+ Correct Factor

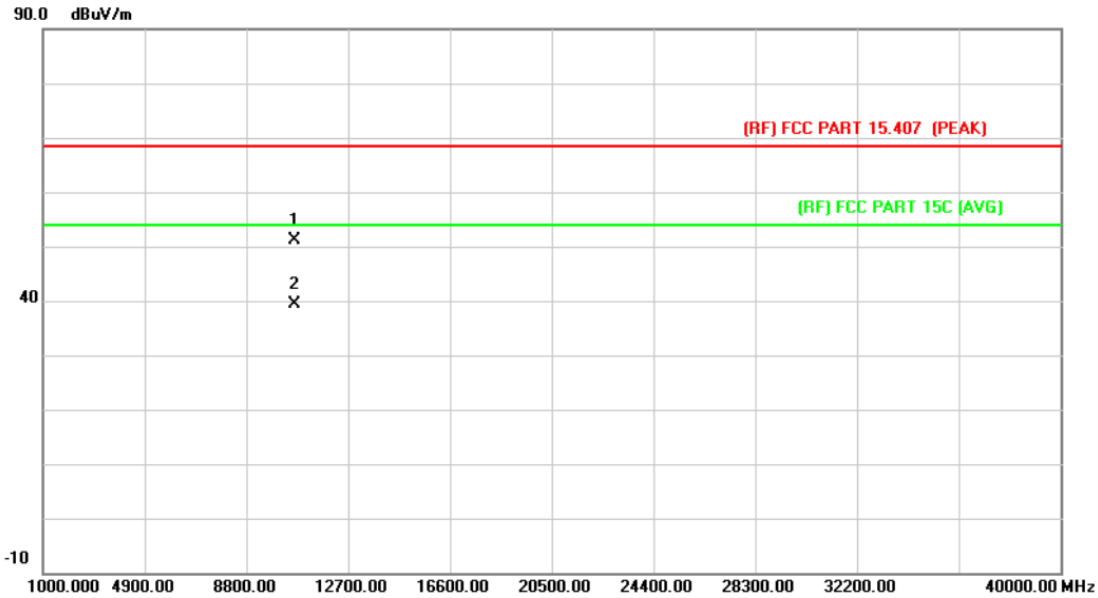
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11n(HT40) Mode 5270MHz (U-NII-2A)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	10638.507	18.68	20.88	39.56	54.00	-14.44	AVG
2		10639.531	30.21	20.88	51.09	68.30	-17.21	peak

Emission Level= Read Level+ Correct Factor

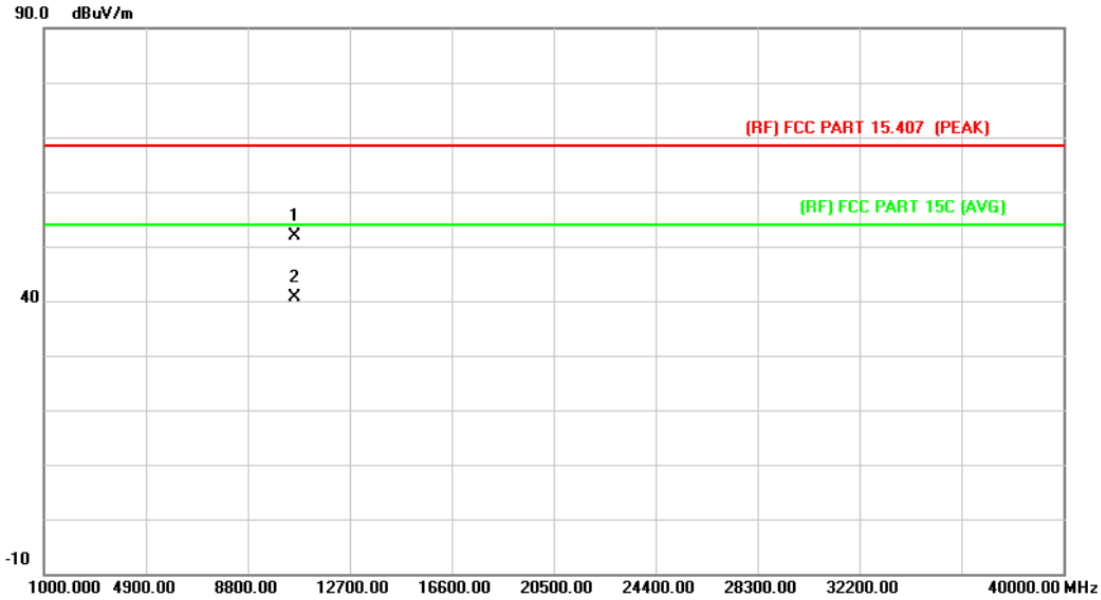
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11n(HT40) Mode 5270MHz (U-NII-2A)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10639.001	30.20	20.88	51.08	68.30	-17.22	peak
2	*	10639.818	18.59	20.88	39.47	54.00	-14.53	AVG

Emission Level= Read Level+ Correct Factor

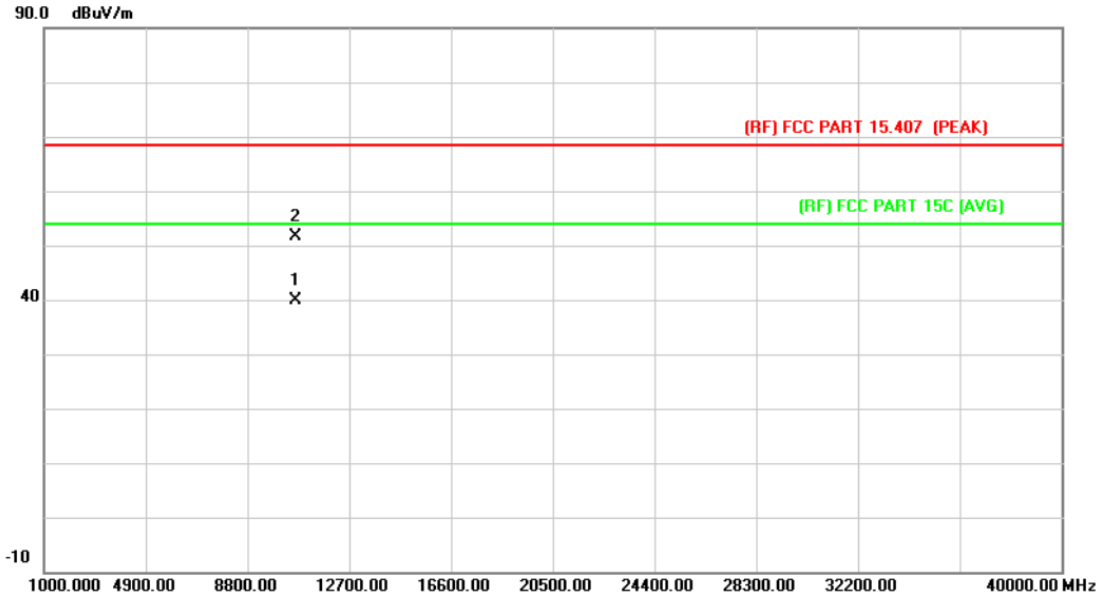
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11n(HT40) Mode 5310MHz (U-NII-2A)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10619.239	30.94	20.86	51.80	68.30	-16.50	peak
2	*	10619.886	19.70	20.86	40.56	54.00	-13.44	AVG

Emission Level= Read Level+ Correct Factor

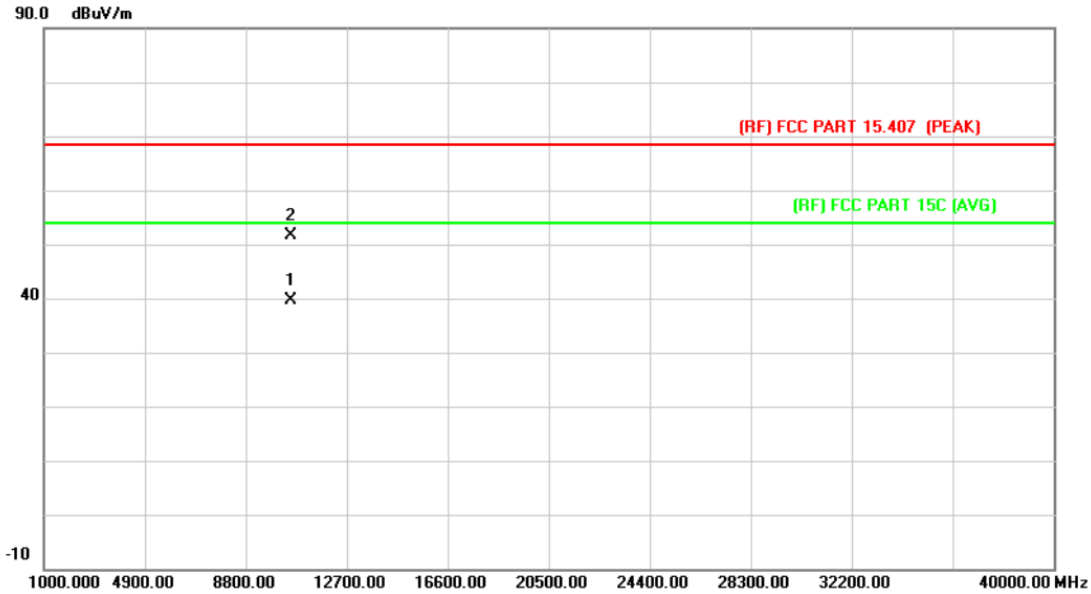
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11n(HT40) Mode 5310MHz (U-NII-2A)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	10620.347	18.96	20.86	39.82	54.00	-14.18	AVG
2		10621.335	30.82	20.86	51.68	68.30	-16.62	peak

Emission Level= Read Level+ Correct Factor

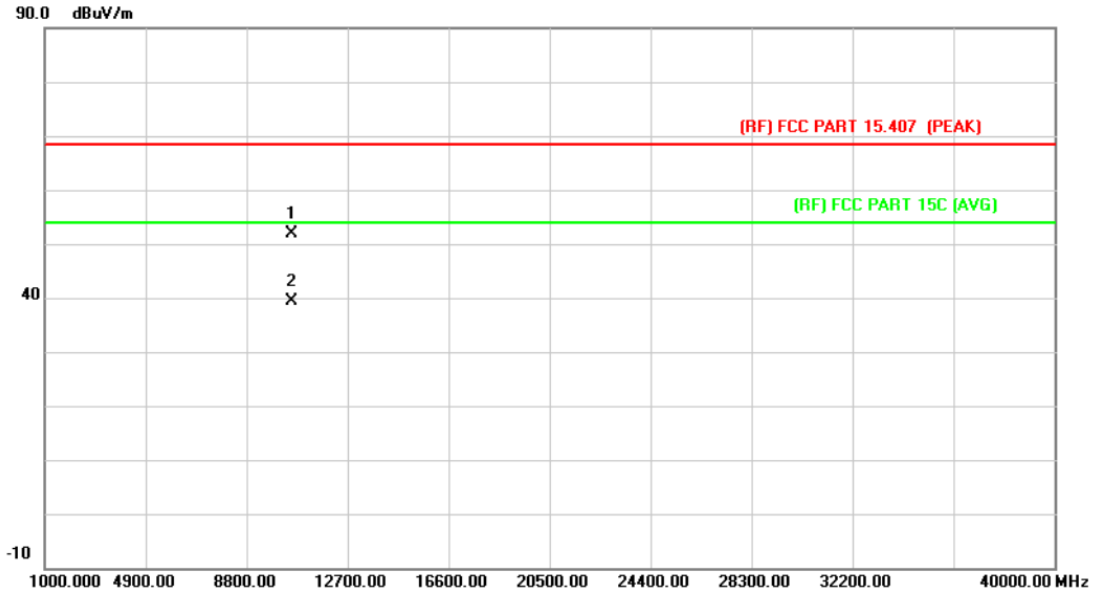
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11ac(VHT40) Mode 5270MHz (U-NII-2A)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	10538.605	18.86	20.75	39.61	54.00	-14.39	AVG
2		10540.904	30.91	20.75	51.66	68.30	-16.64	peak

Emission Level= Read Level+ Correct Factor

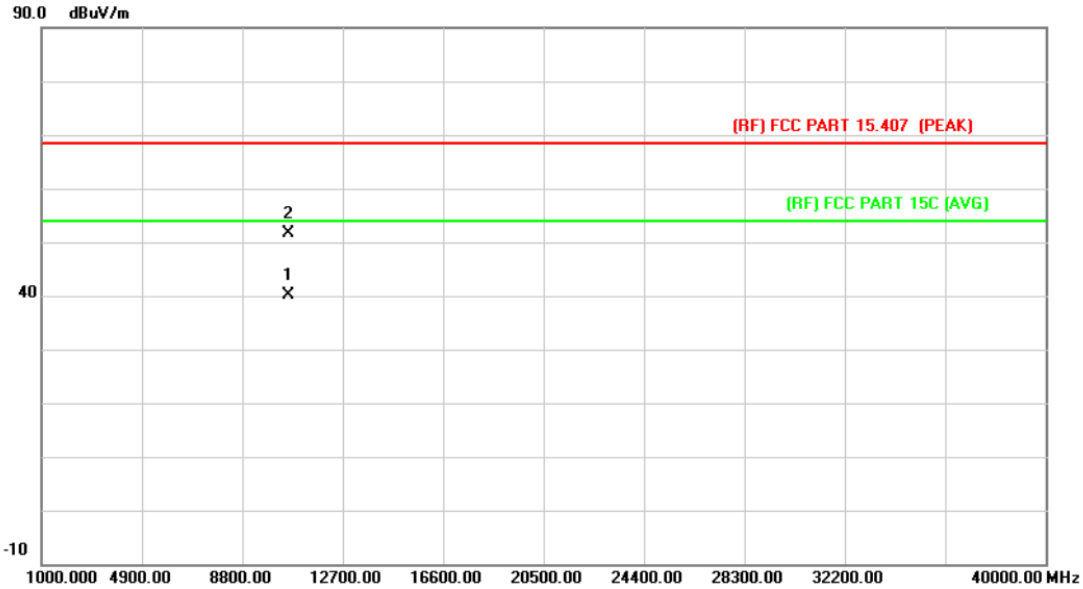
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11ac(VHT40) Mode 5270MHz (U-NII-2A)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10538.982	31.07	20.75	51.82	68.30	-16.48	peak
2	*	10540.299	18.74	20.75	39.49	54.00	-14.51	AVG

Emission Level= Read Level+ Correct Factor

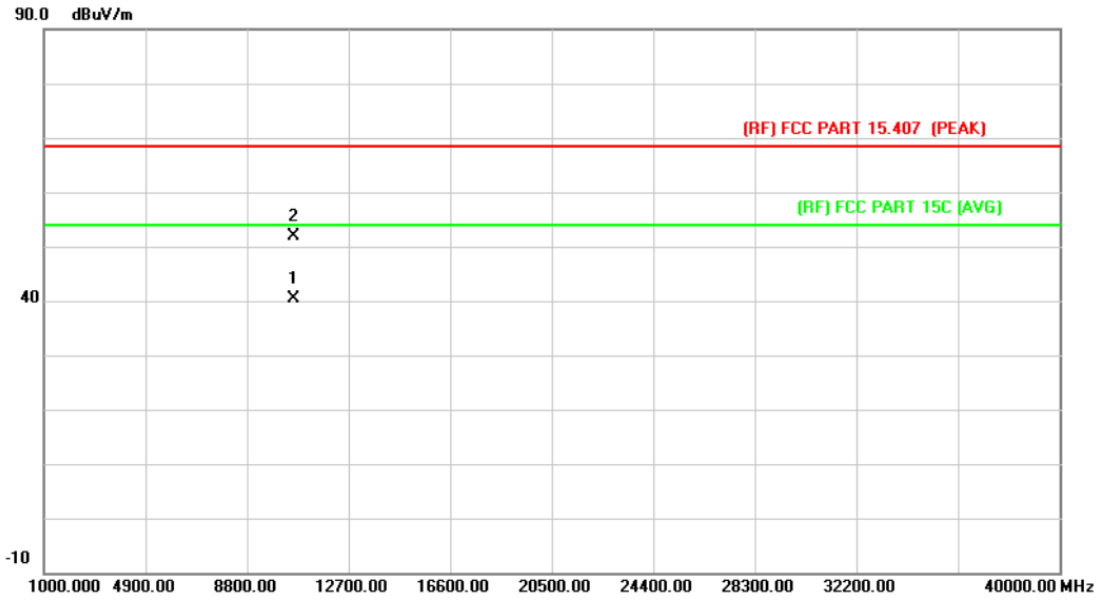
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11ac(VHT40) Mode 5310MHz (U-NII-2A)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	10619.359	19.16	20.86	40.02	54.00	-13.98	AVG
2		10619.455	30.66	20.86	51.52	68.30	-16.78	peak

Emission Level= Read Level+ Correct Factor

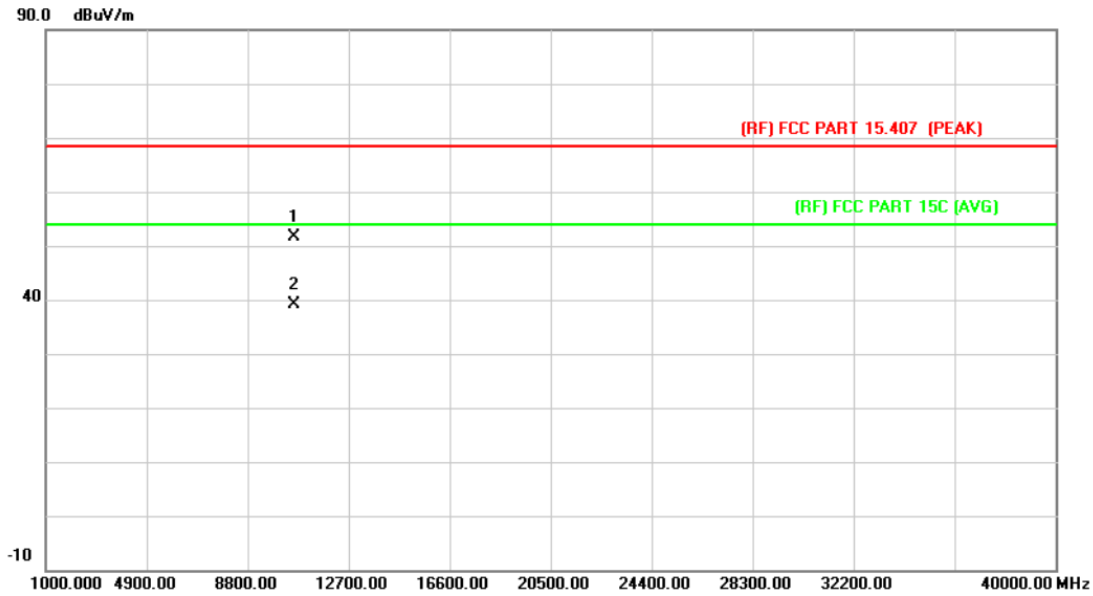
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11ac(VHT40) Mode 5310MHz (U-NII-2A)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	10619.407	19.53	20.86	40.39	54.00	-13.61	AVG
2		10619.790	30.96	20.86	51.82	68.30	-16.48	peak

Emission Level= Read Level+ Correct Factor

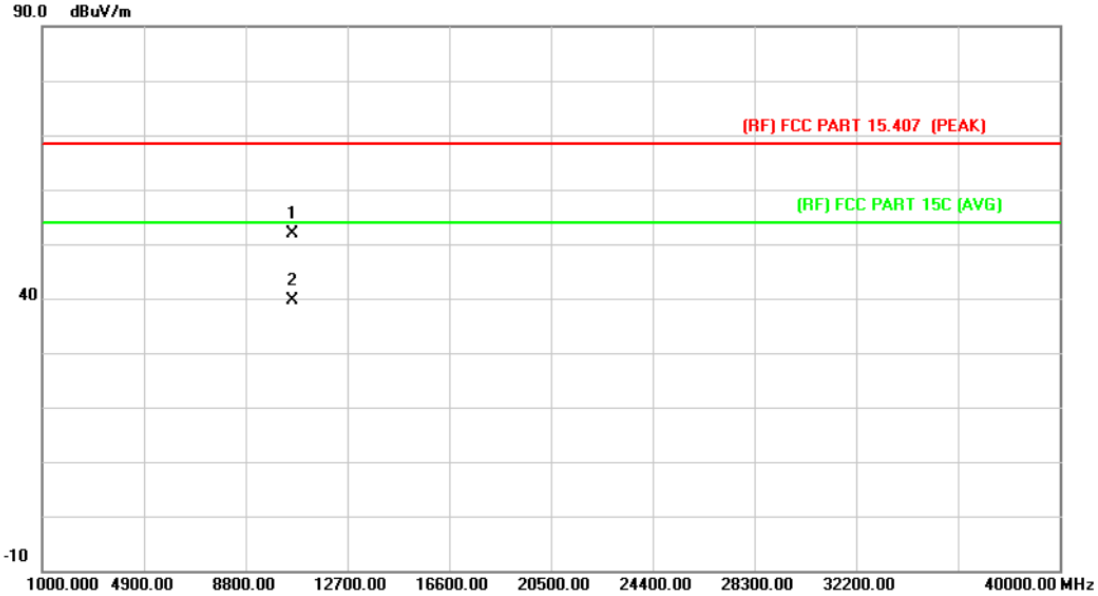
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11ac(VHT80) Mode 5290MHz (U-NII-2A)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10578.551	30.84	20.80	51.64	68.30	-16.66	peak
2	*	10581.335	18.41	20.81	39.22	54.00	-14.78	AVG

Emission Level= Read Level+ Correct Factor

Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11ac(VHT80) Mode 5290MHz (U-NII-2A)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		

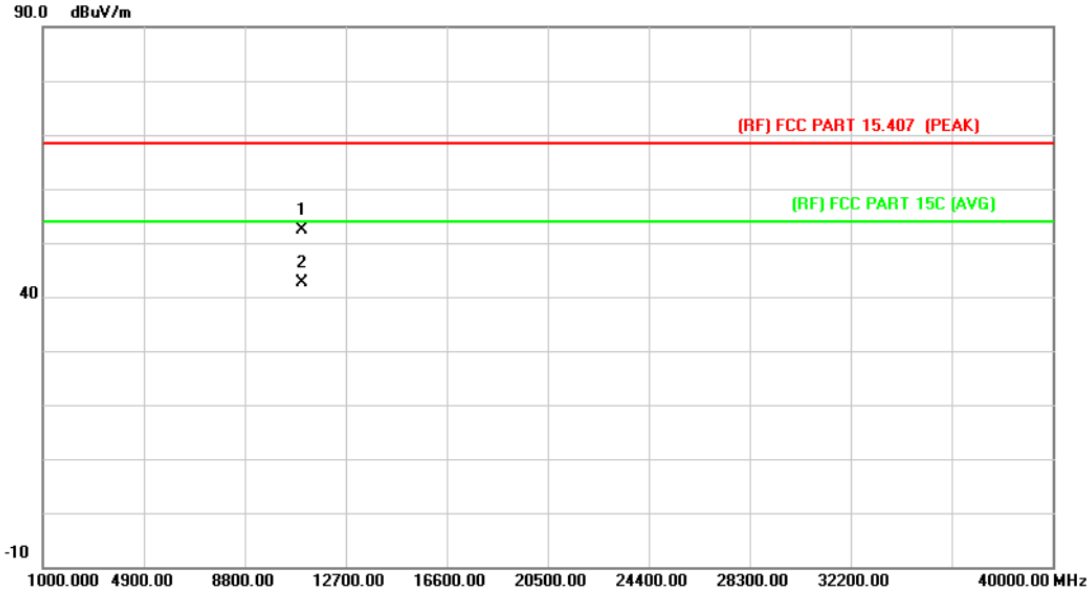


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10580.958	31.13	20.80	51.93	68.30	-16.37	peak
2	*	10581.048	18.77	20.80	39.57	54.00	-14.43	AVG

Emission Level= Read Level+ Correct Factor

5500MHz-5720MHz(U-NII-2C)

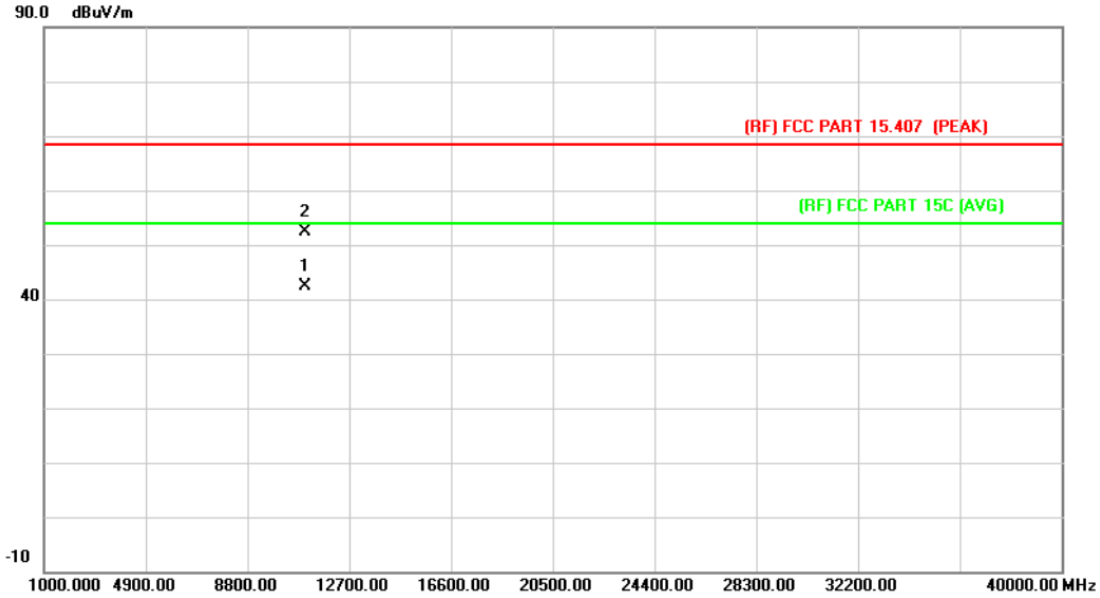
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11a Mode 5500MHz (U-NII-2C)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10999.708	30.98	21.33	52.31	68.30	-15.99	peak
2	*	11000.322	21.29	21.33	42.62	54.00	-11.38	AVG

Emission Level= Read Level+ Correct Factor

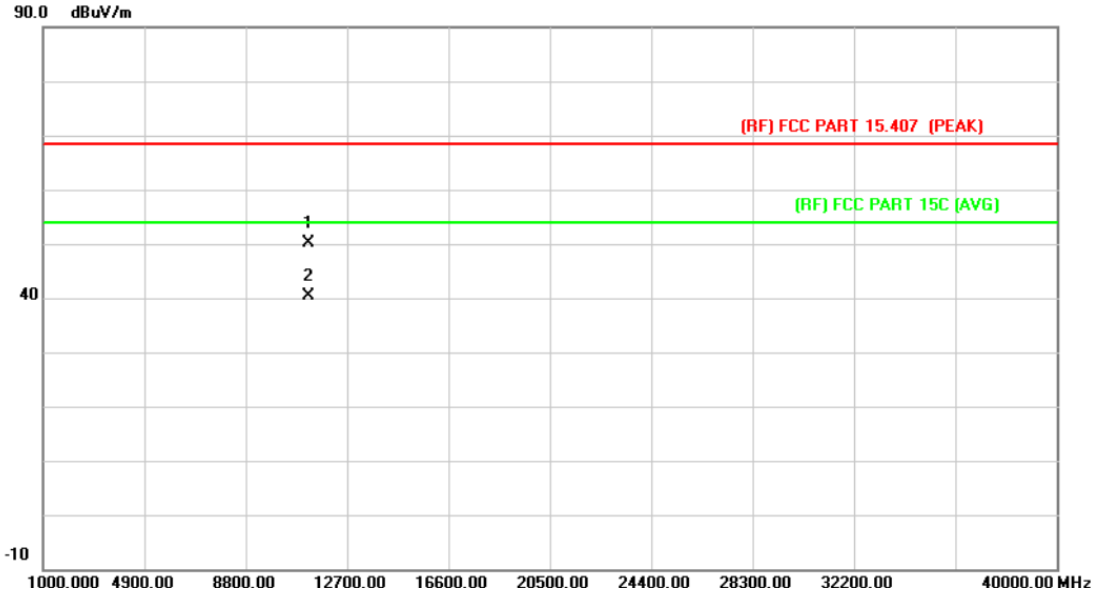
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11a Mode 5500MHz (U-NII-2C)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	10998.534	21.13	21.33	42.46	54.00	-11.54	AVG
2		10999.708	30.95	21.33	52.28	68.30	-16.02	peak

Emission Level= Read Level+ Correct Factor

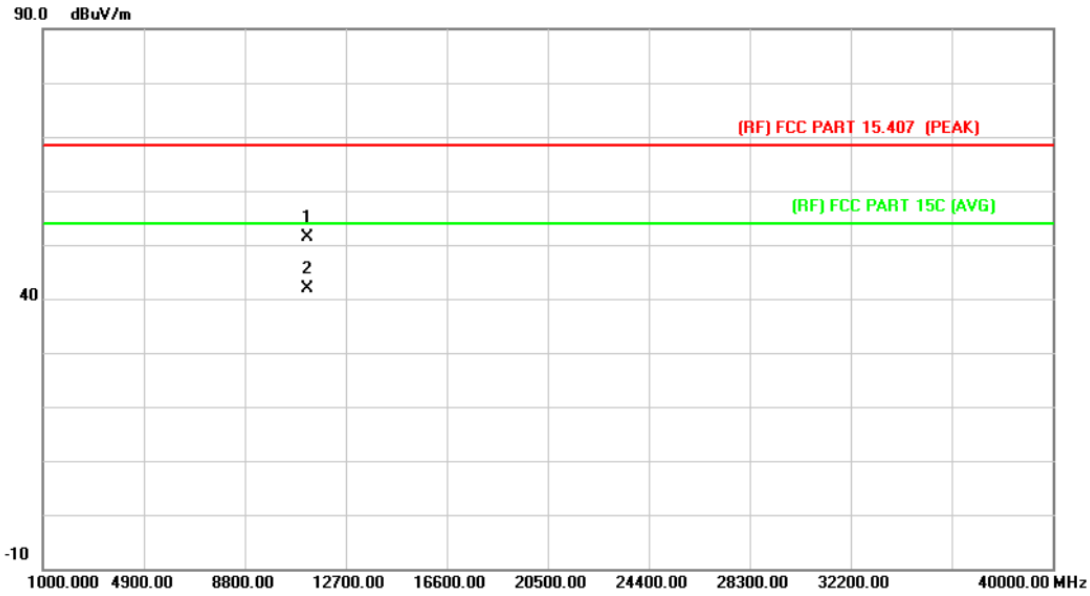
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11a Mode 5600MHz (U-NII-2C)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11201.820	28.65	21.53	50.18	68.30	-18.12	peak
2	*	11202.594	18.88	21.53	40.41	54.00	-13.59	AVG

Emission Level= Read Level+ Correct Factor

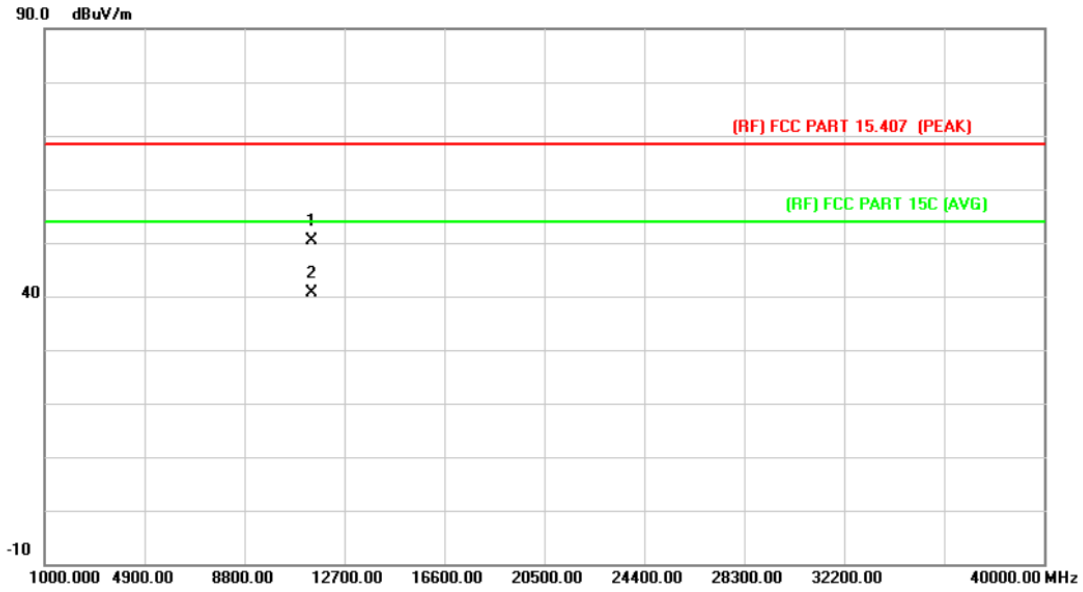
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11a Mode 5600MHz (U-NII-2C)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11196.933	29.87	21.52	51.39	68.30	-16.91	peak
2	*	11201.820	20.44	21.53	41.97	54.00	-12.03	AVG

Emission Level= Read Level+ Correct Factor

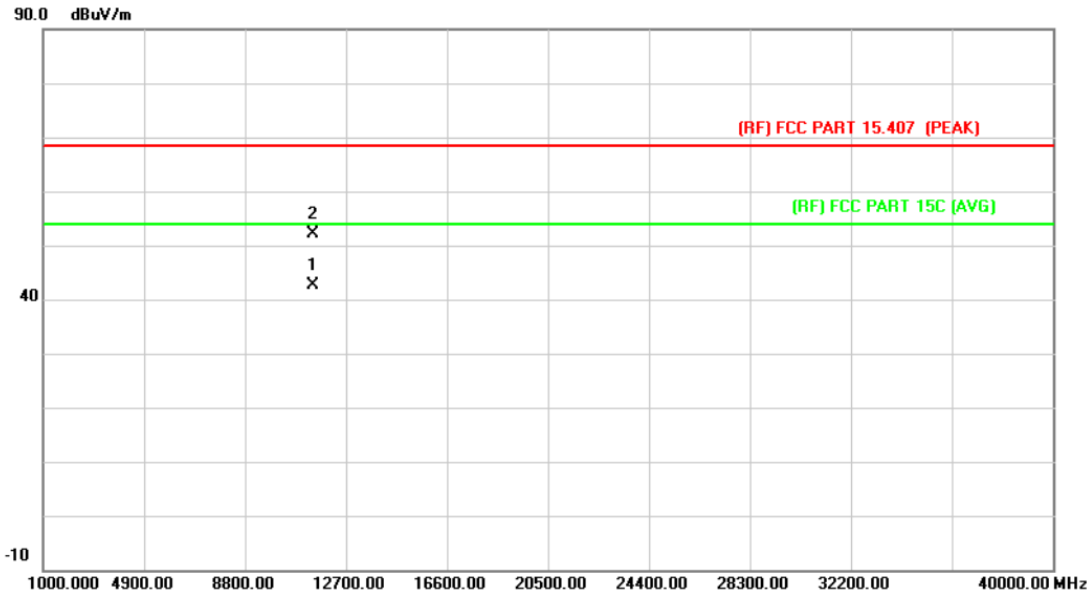
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11a Mode 5720MHz (U-NII-2C)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11435.000	28.53	21.75	50.28	68.30	-18.02	peak
2	*	11436.359	18.75	21.76	40.51	54.00	-13.49	AVG

Emission Level= Read Level+ Correct Factor

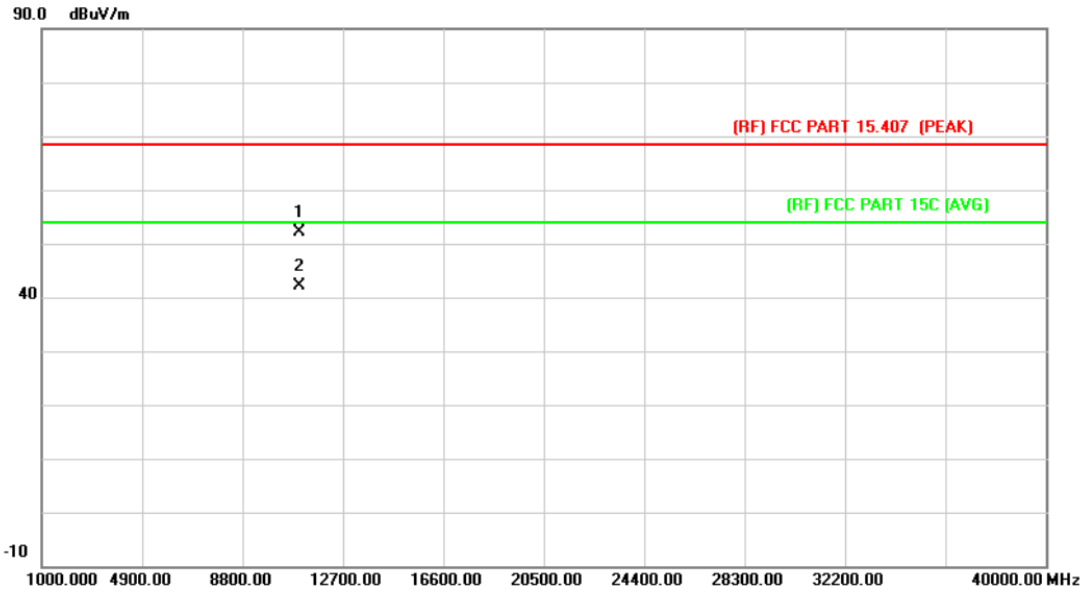
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11a Mode 5720MHz (U-NII-2C)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	11437.357	20.81	21.76	42.57	54.00	-11.43	AVG
2		11440.299	30.43	21.76	52.19	68.30	-16.11	peak

Emission Level= Read Level+ Correct Factor

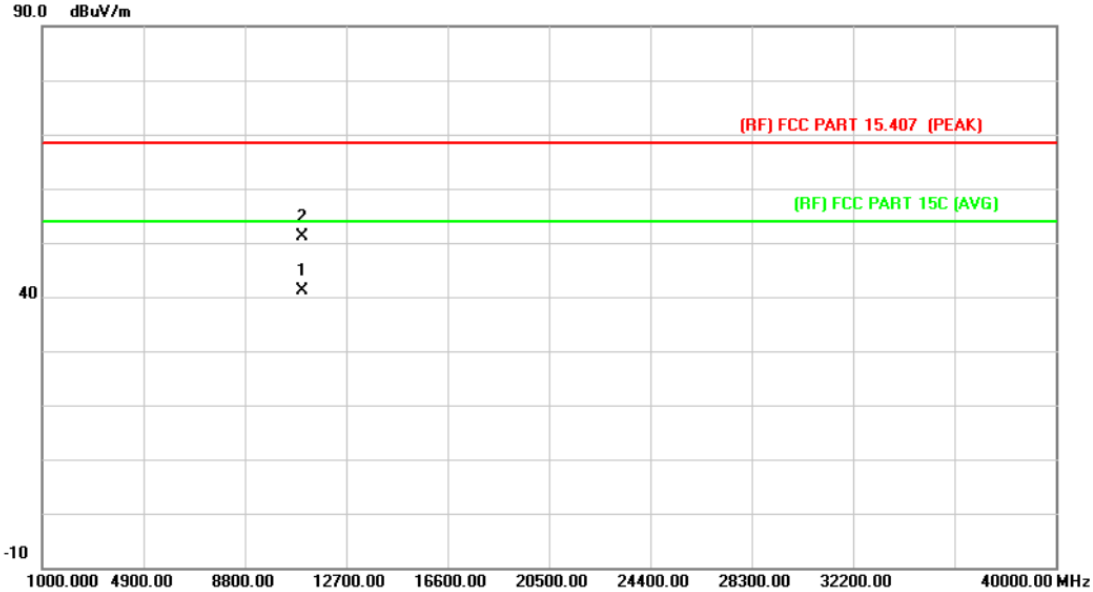
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11n(HT20) Mode 5500MHz (U-NII-2C)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		10998.753	30.89	21.33	52.22	68.30	-16.08	peak
2	*	10999.327	20.87	21.33	42.20	54.00	-11.80	AVG

Emission Level= Read Level+ Correct Factor

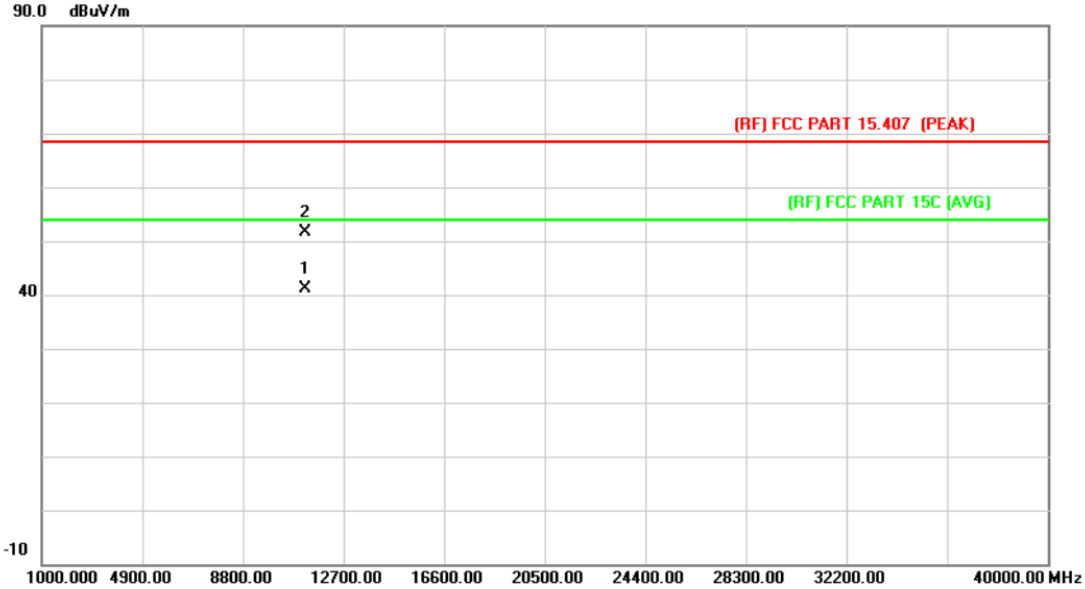
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11 n(HT20) Mode 5500MHz (U-NII-2C)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	10999.052	19.79	21.33	41.12	54.00	-12.88	AVG
2		11000.524	29.84	21.33	51.17	68.30	-17.13	peak

Emission Level= Read Level+ Correct Factor

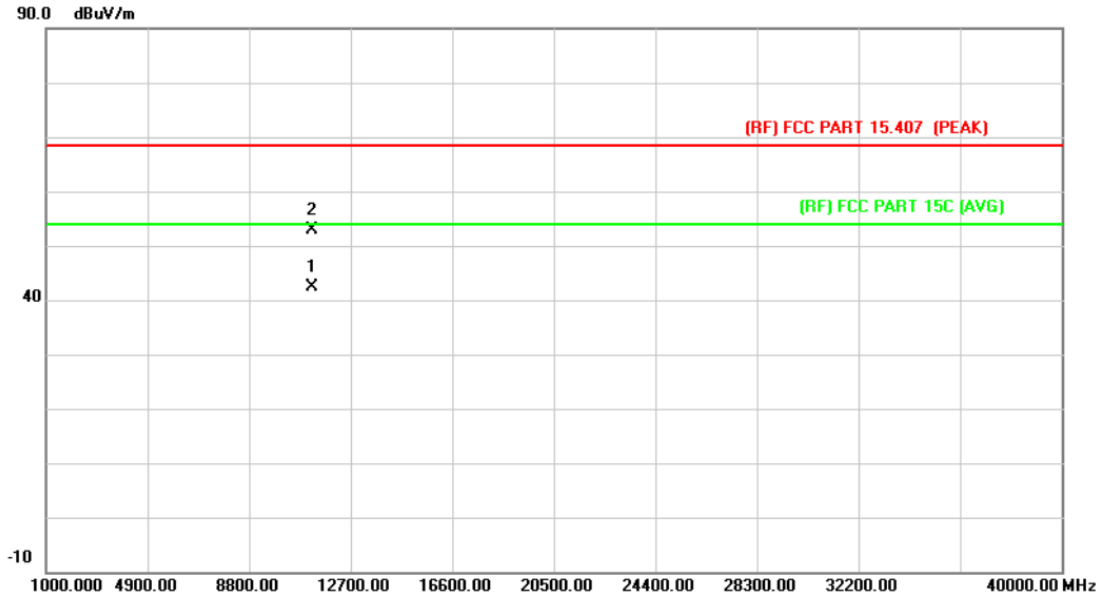
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11n(HT20) Mode 5600MHz (U-NII-2C)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	11197.007	19.72	21.52	41.24	54.00	-12.76	AVG
2		11203.242	30.00	21.53	51.53	68.30	-16.77	peak

Emission Level= Read Level+ Correct Factor

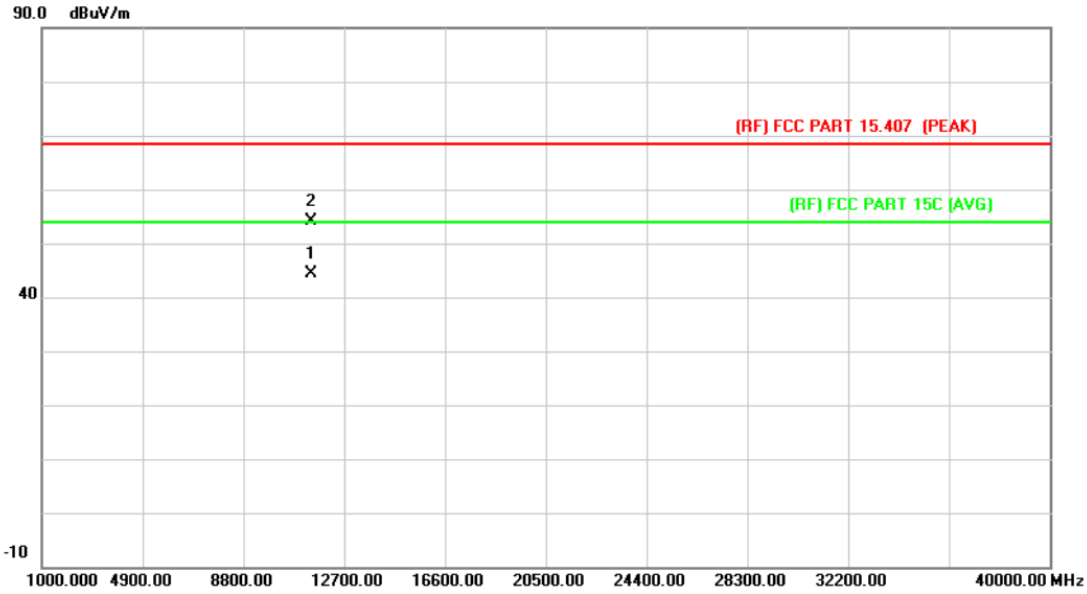
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11n(HT20) Mode 5600MHz (U-NII-2C)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	11202.195	20.74	21.53	42.27	54.00	-11.73	AVG
2		11204.389	31.35	21.53	52.88	68.30	-15.42	peak

Emission Level= Read Level+ Correct Factor

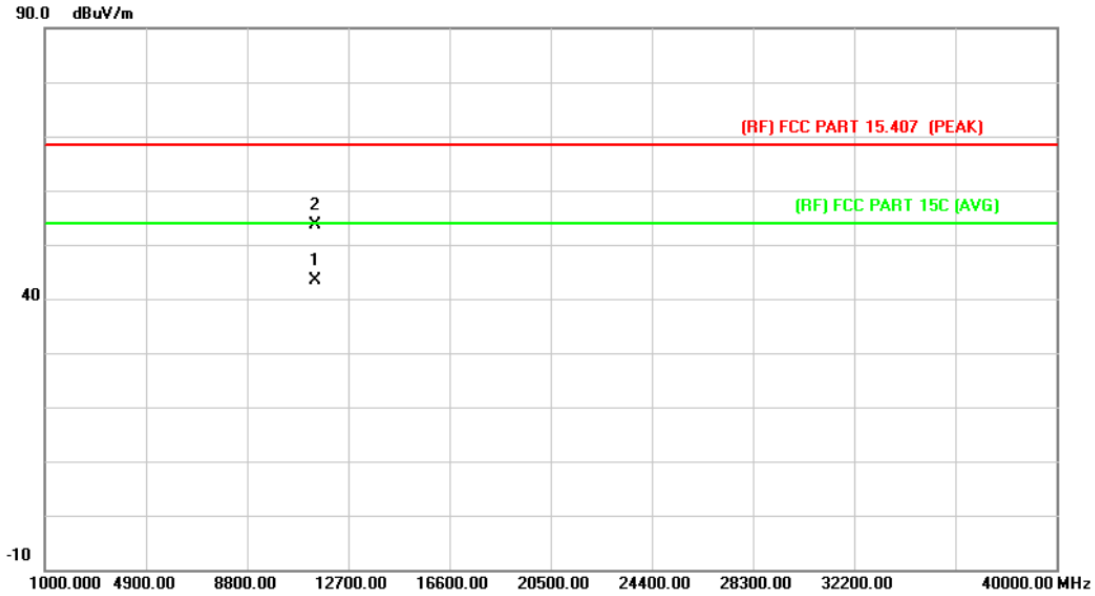
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11n(HT20) Mode 5720MHz (U-NII-2C)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	11435.536	22.65	21.76	44.41	54.00	-9.59	AVG
2		11443.317	32.28	21.76	54.04	68.30	-14.26	peak

Emission Level= Read Level+ Correct Factor

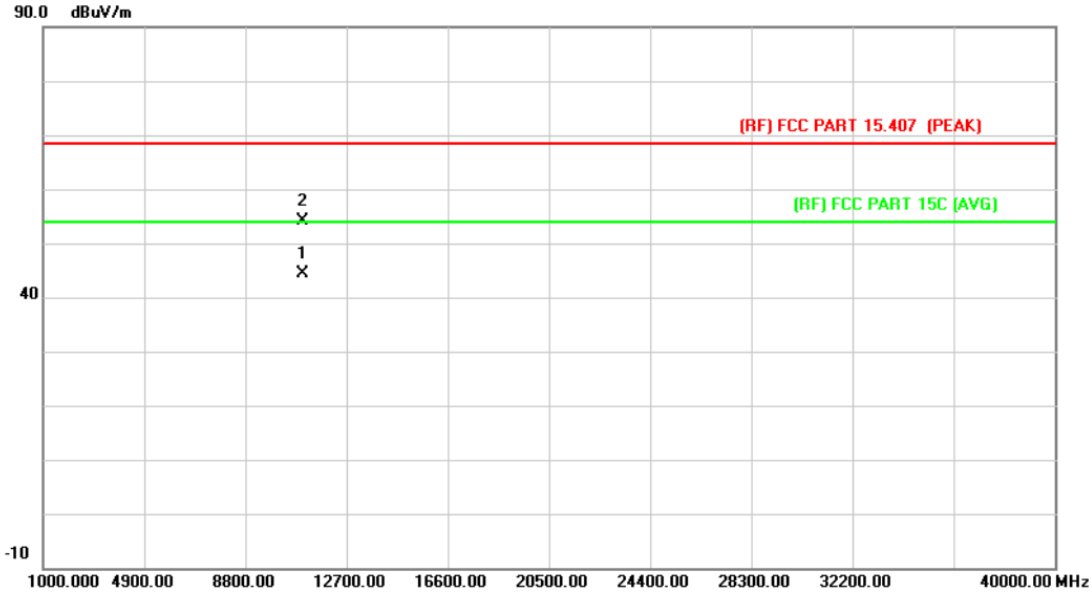
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11n(HT20) Mode 5720MHz (U-NII-2C)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	11438.130	21.67	21.76	43.43	54.00	-10.57	AVG
2		11441.596	31.99	21.76	53.75	68.30	-14.55	peak

Emission Level= Read Level+ Correct Factor

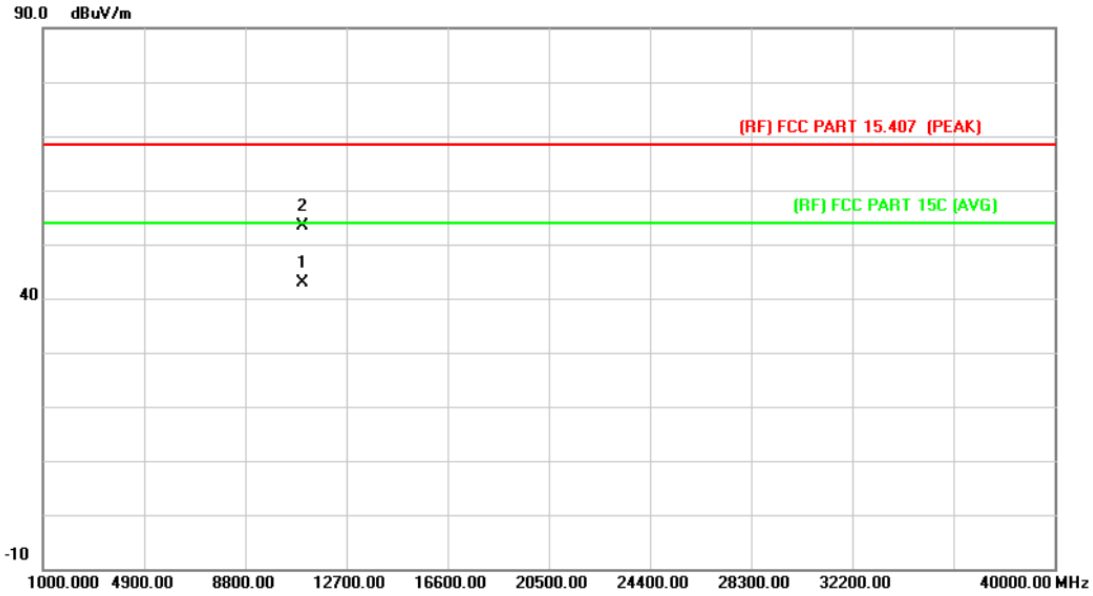
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11ac(VHT20) Mode 5500MHz (U-NII-2C)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	10998.005	23.02	21.33	44.35	54.00	-9.65	AVG
2		11004.214	32.81	21.33	54.14	68.30	-14.16	peak

Emission Level= Read Level+ Correct Factor

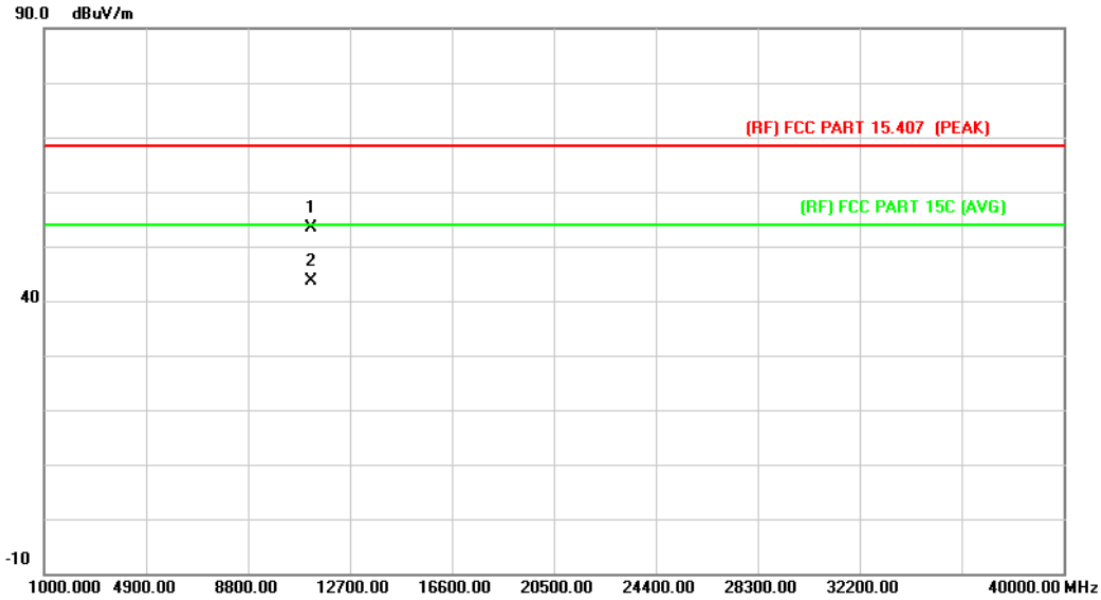
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11 ac(VHT20) Mode 5500MHz (U-NII-2C)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	10998.404	21.56	21.33	42.89	54.00	-11.11	AVG
2		11003.317	32.11	21.33	53.44	68.30	-14.86	peak

Emission Level= Read Level+ Correct Factor

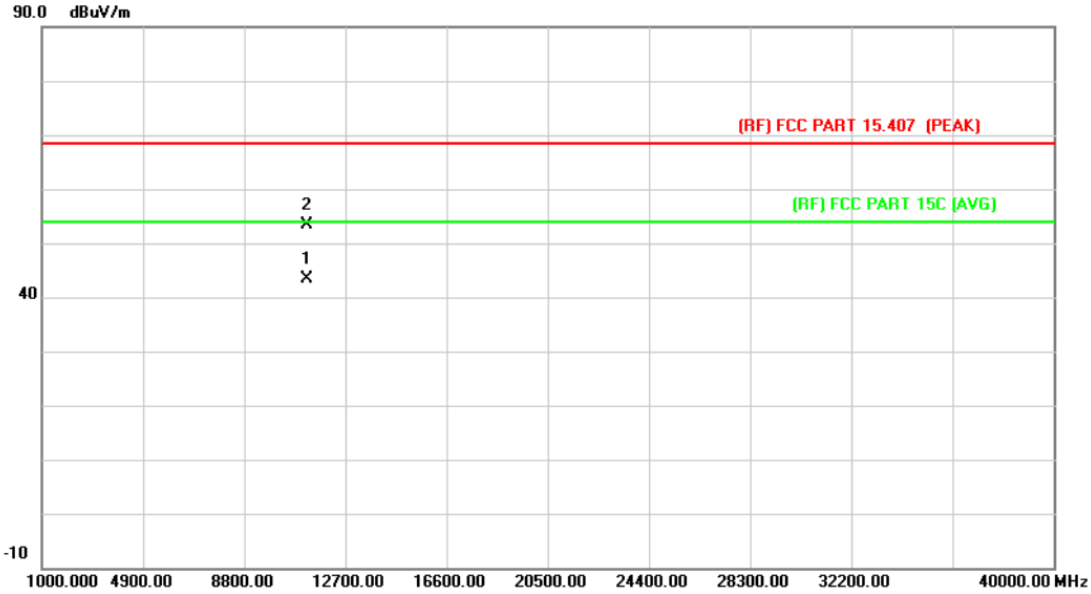
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11 ac(VHT20) Mode 5600MHz (U-NII-2C)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11198.204	31.77	21.52	53.29	68.30	-15.01	peak
2	*	11202.170	22.08	21.53	43.61	54.00	-10.39	AVG

Emission Level= Read Level+ Correct Factor

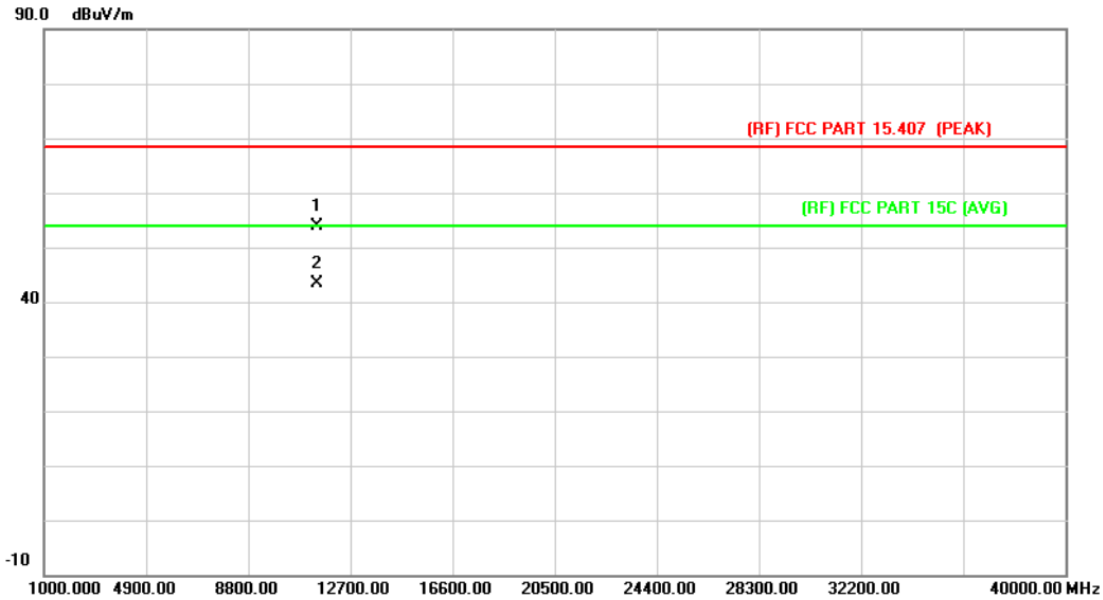
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11 ac(VHT20) Mode 5600MHz (U-NII-2C)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	11201.521	21.83	21.53	43.36	54.00	-10.64	AVG
2		11201.696	31.90	21.53	53.43	68.30	-14.87	peak

Emission Level= Read Level+ Correct Factor

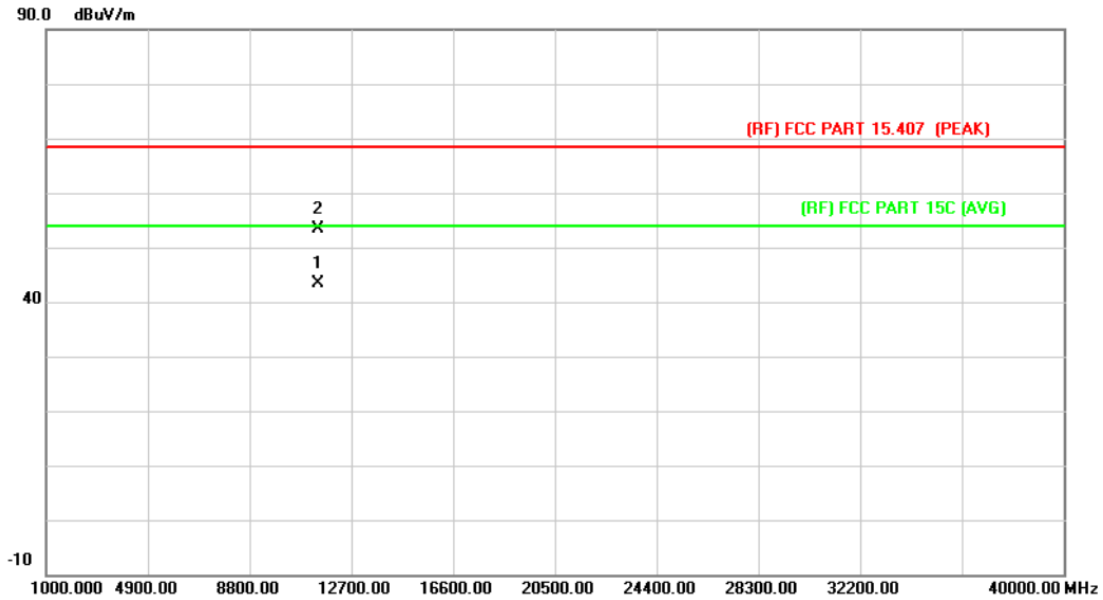
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11 ac(VHT20) Mode 5720MHz (U-NII-2C)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11440.274	32.00	21.76	53.76	68.30	-14.54	peak
2	*	11443.716	21.51	21.76	43.27	54.00	-10.73	AVG

Emission Level= Read Level+ Correct Factor

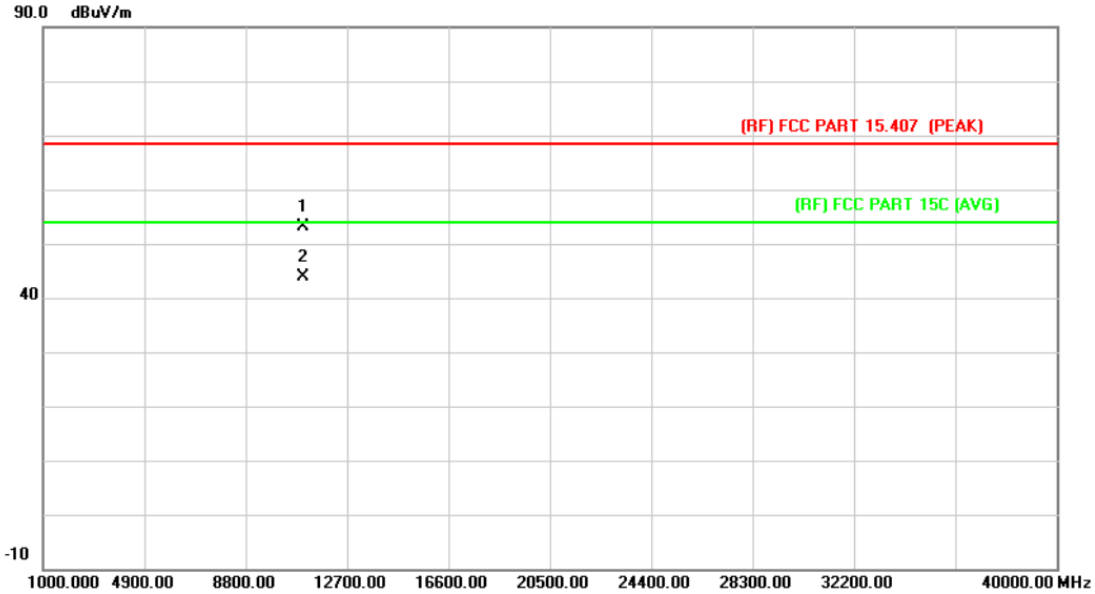
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11 ac(VHT20) Mode 5720MHz (U-NII-2C)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	11437.132	21.55	21.76	43.31	54.00	-10.69	AVG
2		11441.347	31.62	21.76	53.38	68.30	-14.92	peak

Emission Level= Read Level+ Correct Factor

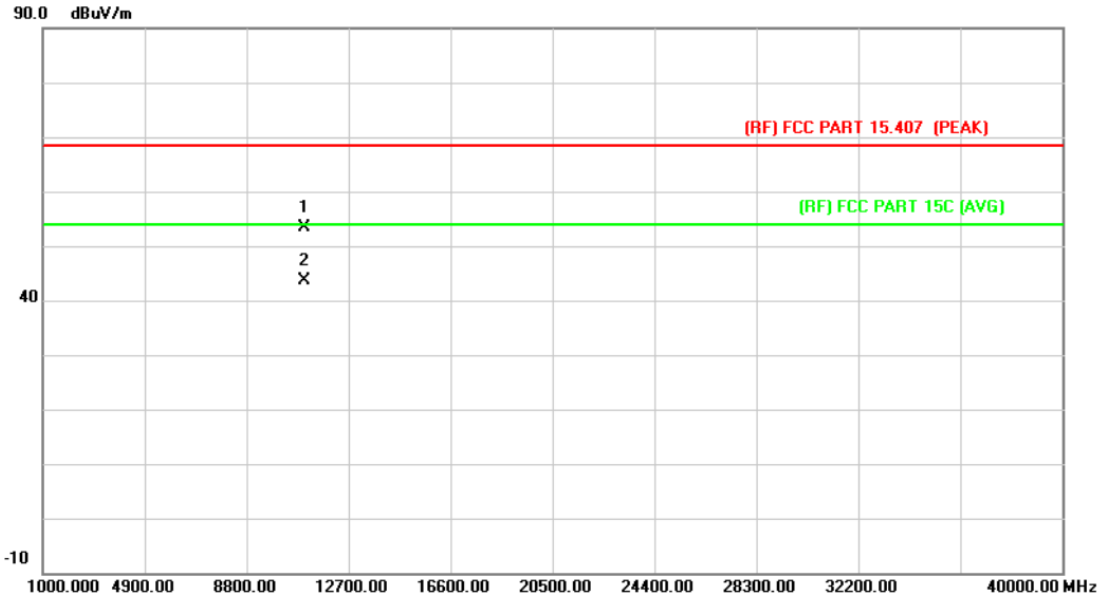
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11n(HT40) Mode 5510MHz (U-NII-2C)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11017.606	31.85	21.34	53.19	68.30	-15.11	peak
2	*	11020.898	22.64	21.35	43.99	54.00	-10.01	AVG

Emission Level= Read Level+ Correct Factor

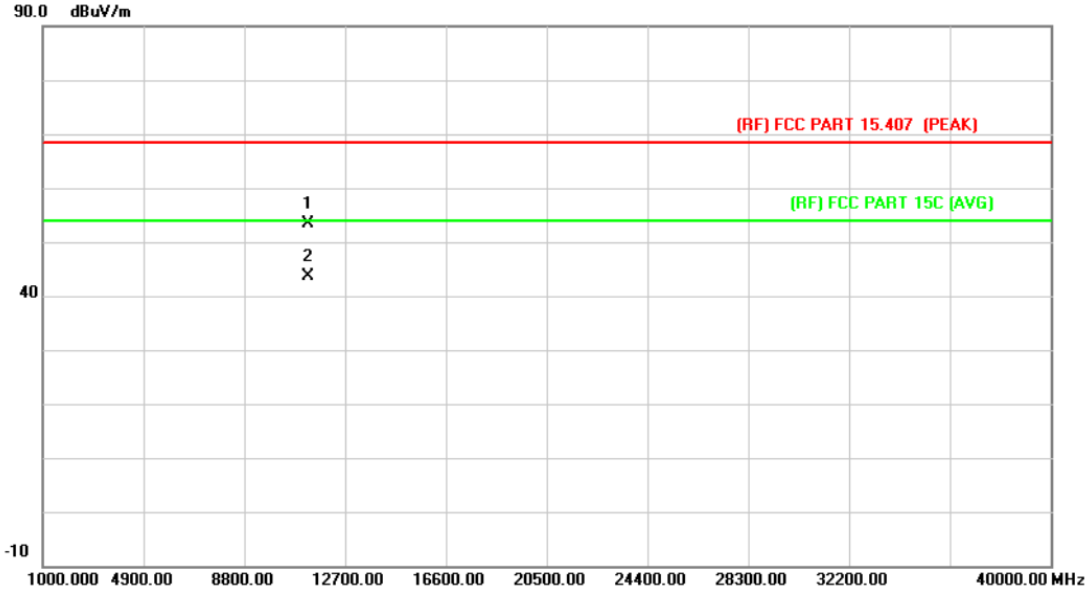
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11n(HT40) Mode 5510MHz (U-NII-2C)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11022.195	32.12	21.35	53.47	68.30	-14.83	peak
2	*	11023.691	22.38	21.35	43.73	54.00	-10.27	AVG

Emission Level= Read Level+ Correct Factor

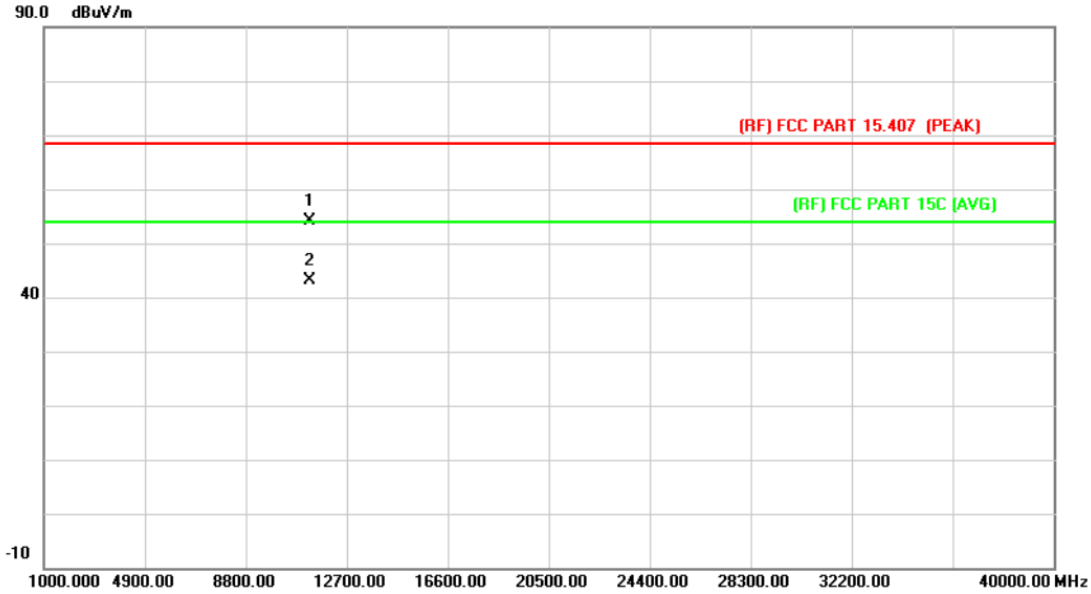
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11n(HT40) Mode 5630MHz (U-NII-2C)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11255.436	31.92	21.58	53.50	68.30	-14.80	peak
2	*	11262.618	22.07	21.58	43.65	54.00	-10.35	AVG

Emission Level= Read Level+ Correct Factor

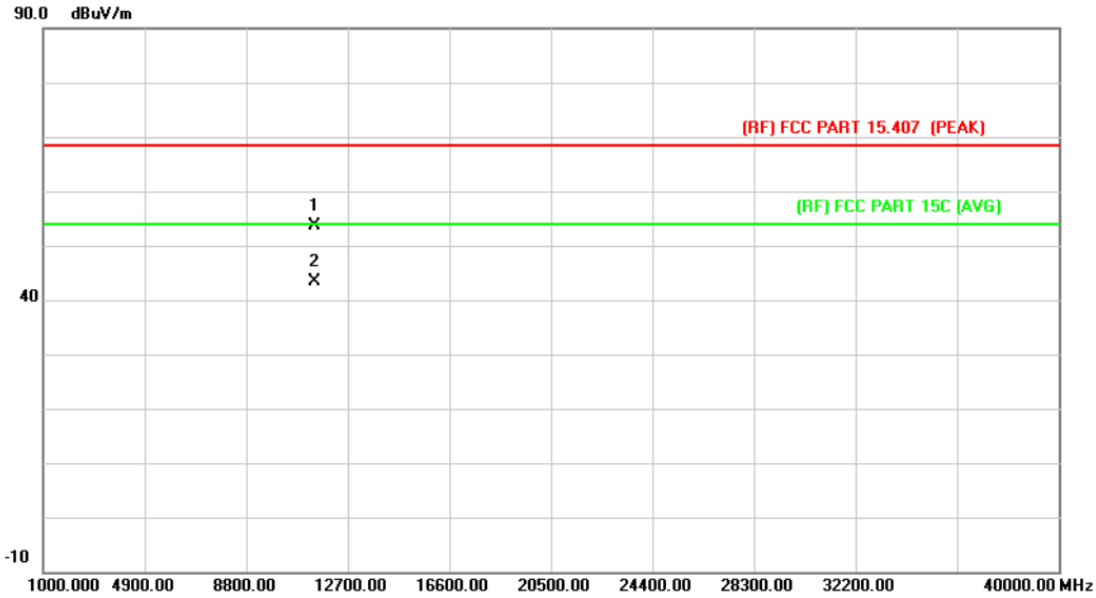
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11n(HT40) Mode 5590MHz (U-NII-2C)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11259.651	32.51	21.58	54.09	68.30	-14.21	peak
2	*	11264.738	21.55	21.58	43.13	54.00	-10.87	AVG

Emission Level= Read Level+ Correct Factor

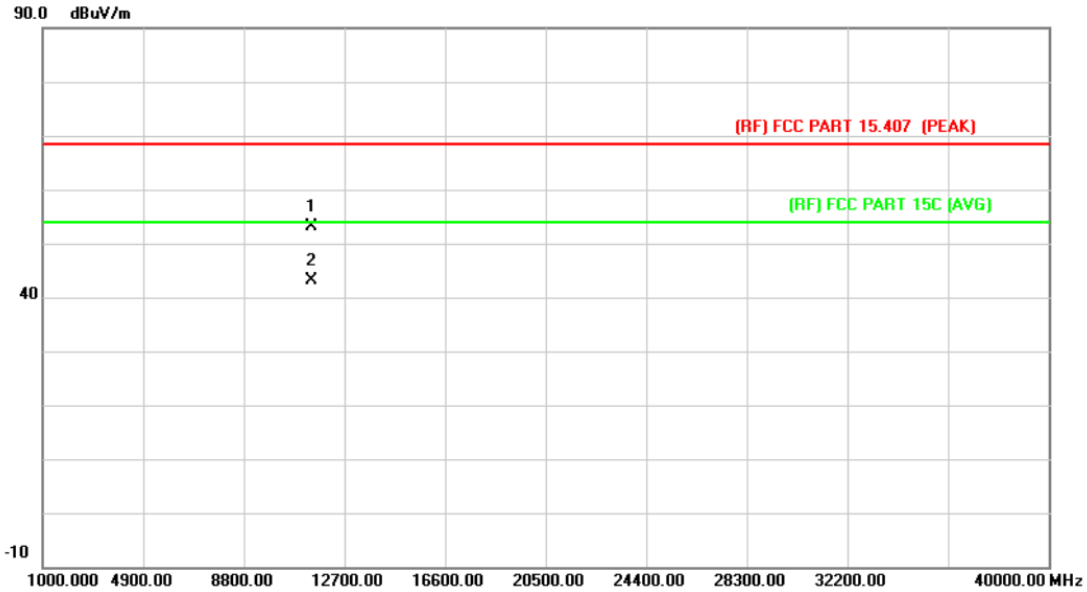
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11n(HT40) Mode 5710MHz (U-NII-2C)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11421.970	31.79	21.73	53.52	68.30	-14.78	peak
2	*	11422.519	21.73	21.74	43.47	54.00	-10.53	AVG

Emission Level= Read Level+ Correct Factor

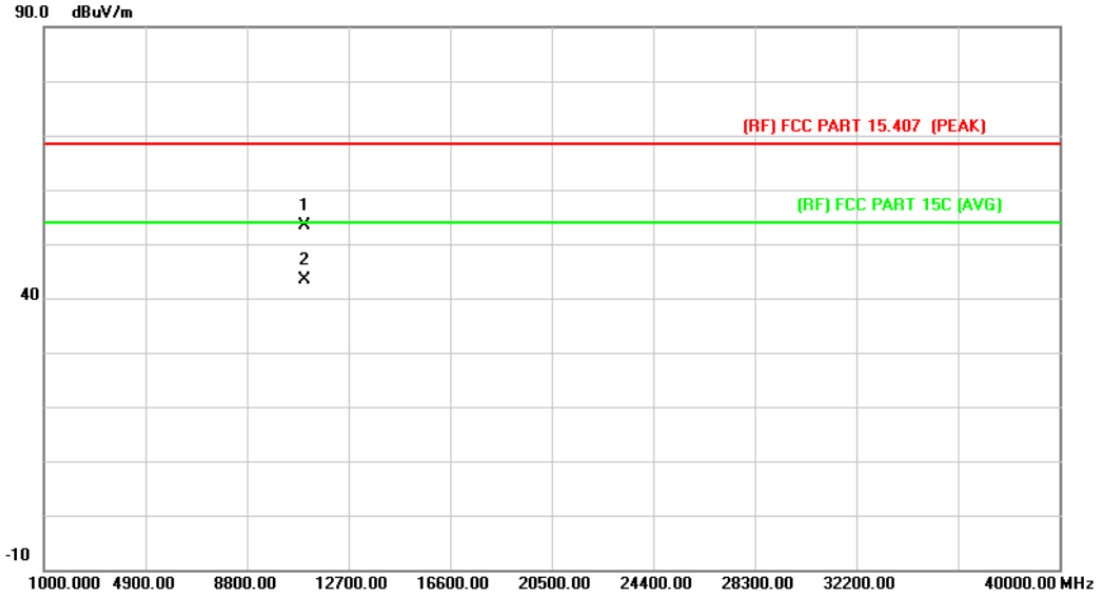
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11n(HT40) Mode 5710MHz (U-NII-2C)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11416.135	31.31	21.73	53.04	68.30	-15.26	peak
2	*	11418.130	21.42	21.73	43.15	54.00	-10.85	AVG

Emission Level= Read Level+ Correct Factor

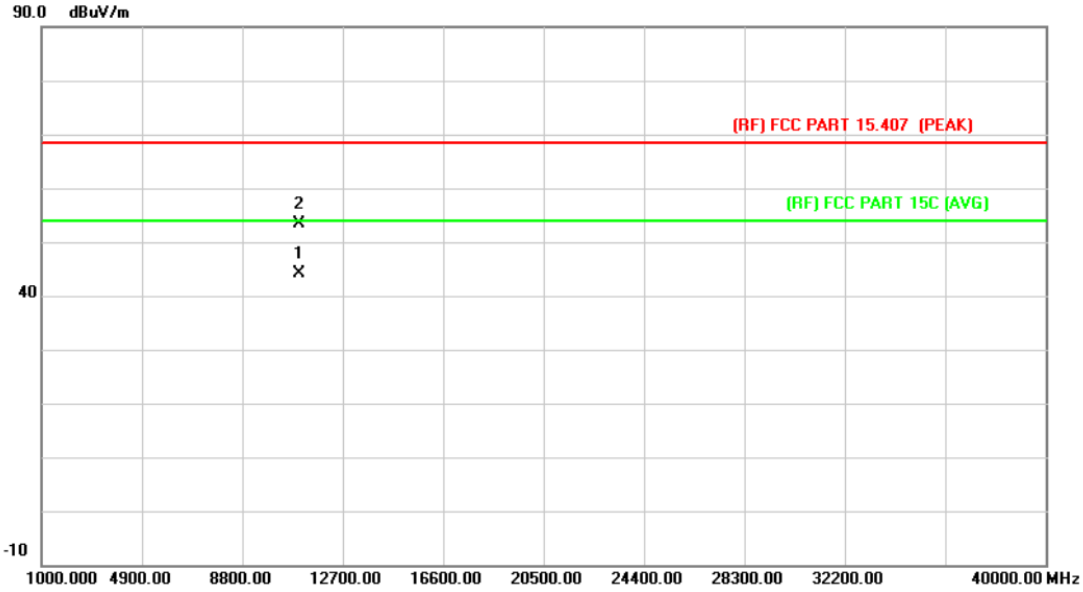
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11ac(VHT40) Mode 5510MHz (U-NII-2C)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11017.456	32.06	21.34	53.40	68.30	-14.90	peak
2	*	11023.516	22.10	21.35	43.45	54.00	-10.55	AVG

Emission Level= Read Level+ Correct Factor

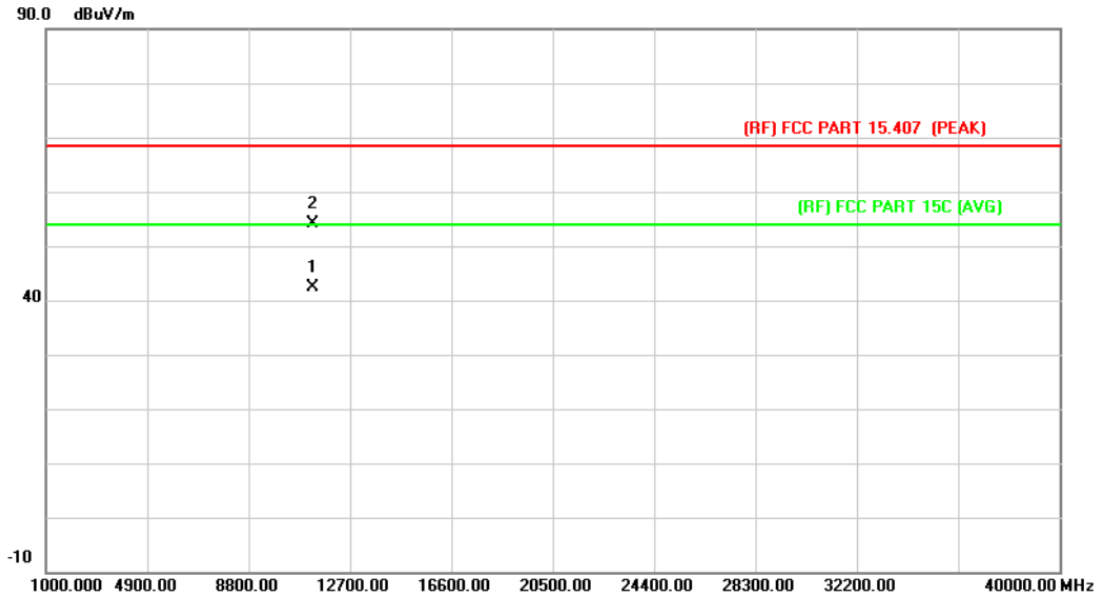
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11ac(VHT40) Mode 5510MHz (U-NII-2C)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	11016.085	22.74	21.34	44.08	54.00	-9.92	AVG
2		11023.192	32.08	21.35	53.43	68.30	-14.87	peak

Emission Level= Read Level+ Correct Factor

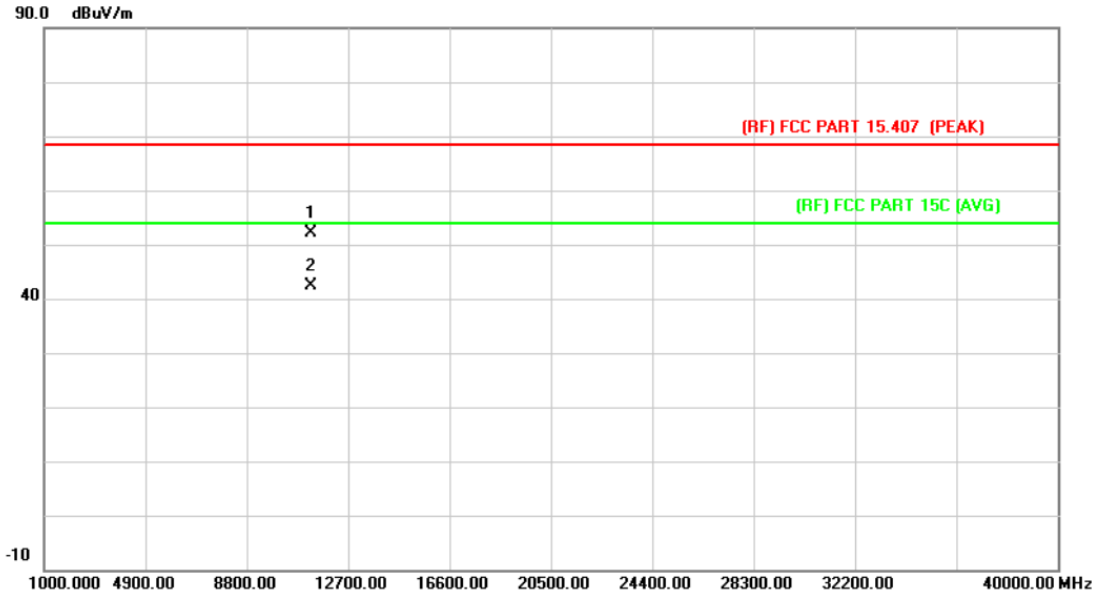
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11ac(VHT40) Mode 5630MHz (U-NII-2C)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	11256.060	20.82	21.58	42.40	54.00	-11.60	AVG
2		11257.681	32.43	21.58	54.01	68.30	-14.29	peak

Emission Level= Read Level+ Correct Factor

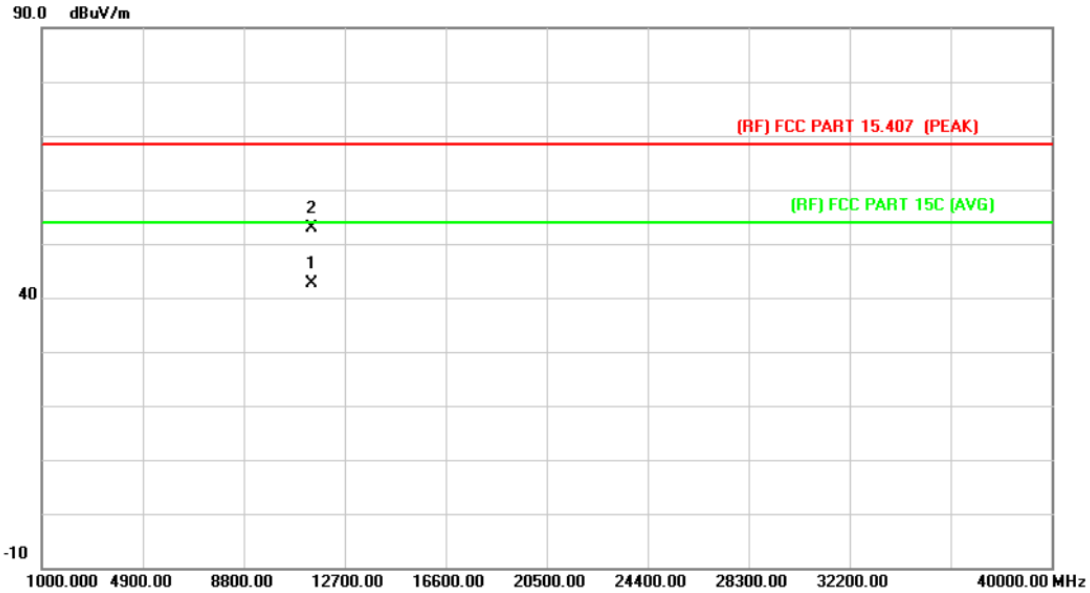
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11ac(VHT40) Mode 5630MHz (U-NII-2C)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11262.843	30.59	21.58	52.17	68.30	-16.13	peak
2	*	11264.439	20.76	21.58	42.34	54.00	-11.66	AVG

Emission Level= Read Level+ Correct Factor

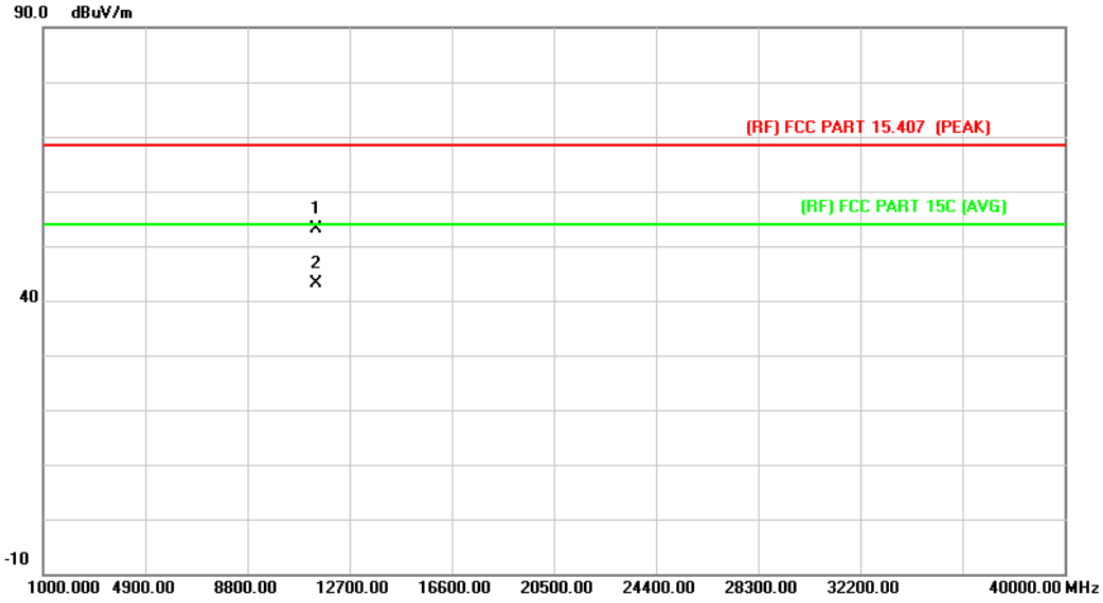
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11ac(VHT40) Mode 5710MHz (U-NII-2C)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	11416.209	21.02	21.73	42.75	54.00	-11.25	AVG
2		11420.200	31.18	21.73	52.91	68.30	-15.39	peak

Emission Level= Read Level+ Correct Factor

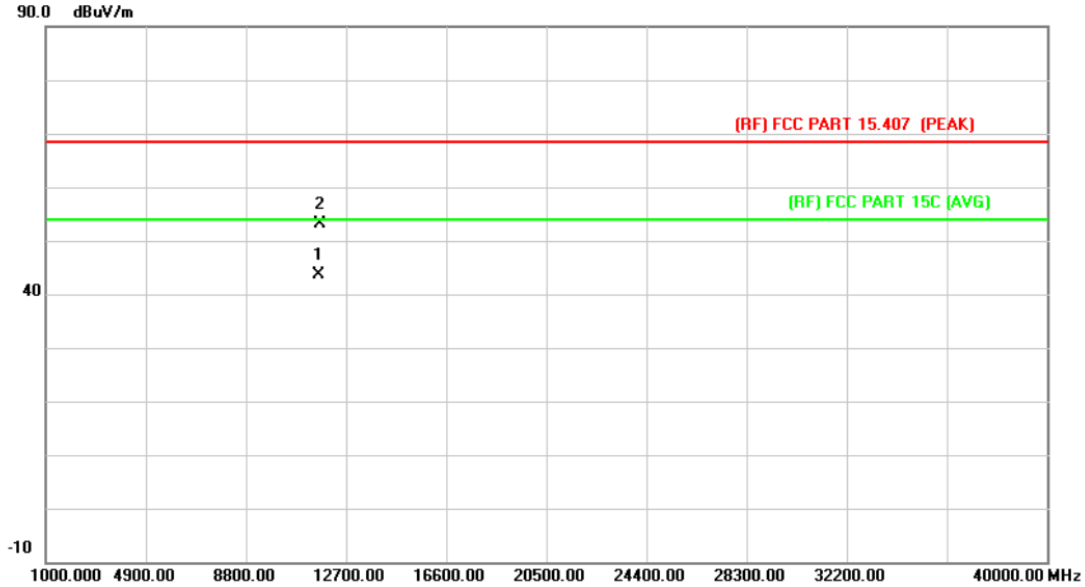
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11ac(VHT40) Mode 5710MHz (U-NII-2C)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11420.923	31.45	21.73	53.18	68.30	-15.12	peak
2	*	11422.618	21.50	21.74	43.24	54.00	-10.76	AVG

Emission Level= Read Level+ Correct Factor

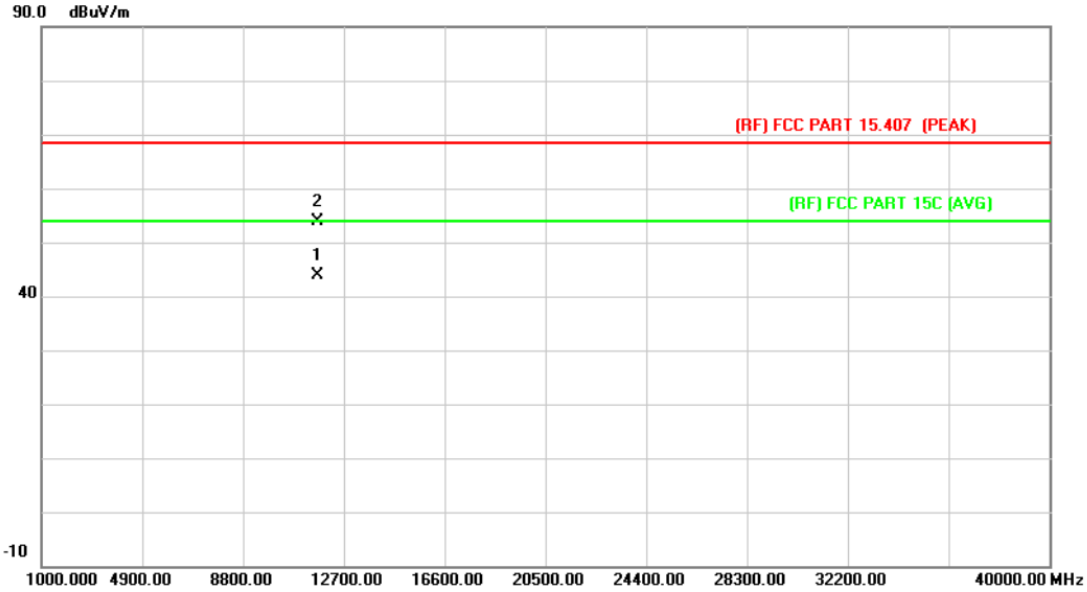
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11ac(VHT80) Mode 5530MHz (U-NII-2C)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	11657.706	21.61	21.97	43.58	54.00	-10.42	AVG
2		11661.097	31.25	21.97	53.22	68.30	-15.08	peak

Emission Level= Read Level+ Correct Factor

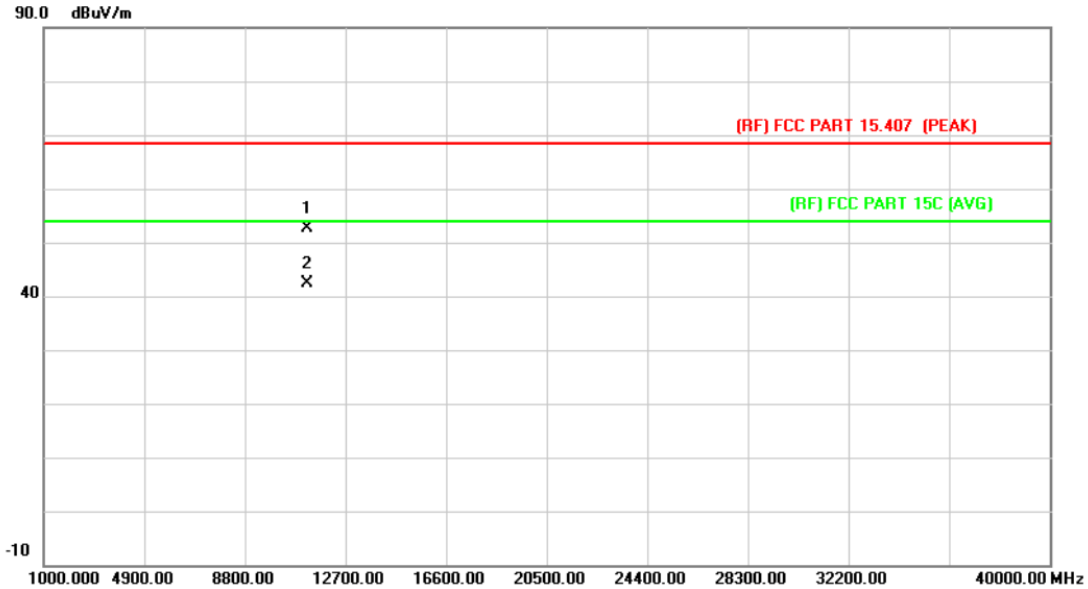
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11ac(VHT80) Mode 5530MHz (U-NII-2C)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	11660.150	21.97	21.97	43.94	54.00	-10.06	AVG
2		11660.449	31.96	21.97	53.93	68.30	-14.37	peak

Emission Level= Read Level+ Correct Factor

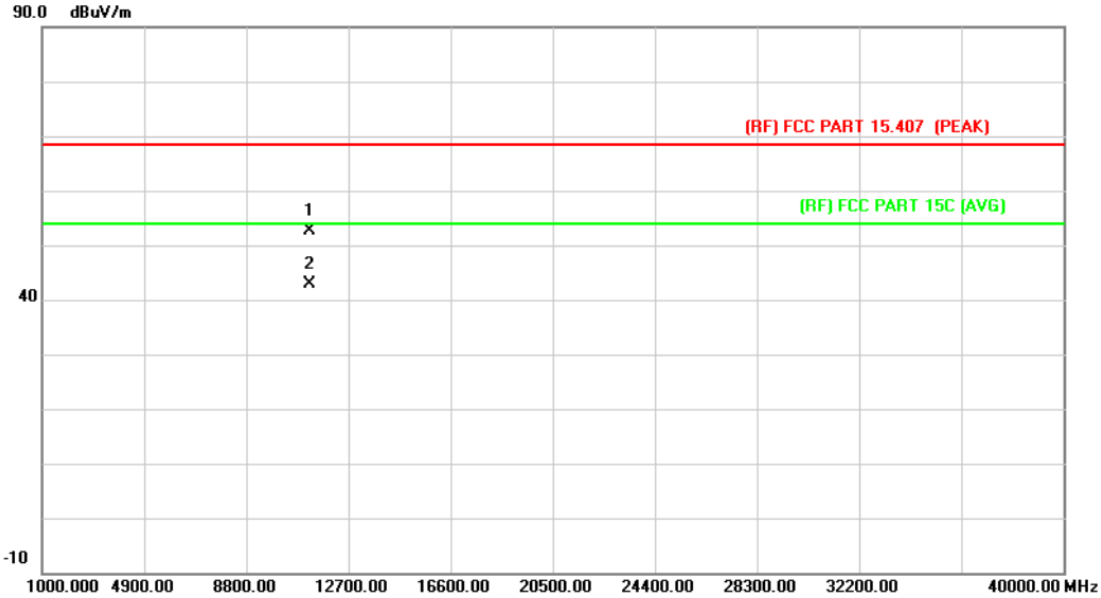
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11ac(VHT80) Mode 5610MHz (U-NII-2C)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11222.419	31.21	21.54	52.75	68.30	-15.55	peak
2	*	11222.544	20.86	21.54	42.40	54.00	-11.60	AVG

Emission Level= Read Level+ Correct Factor

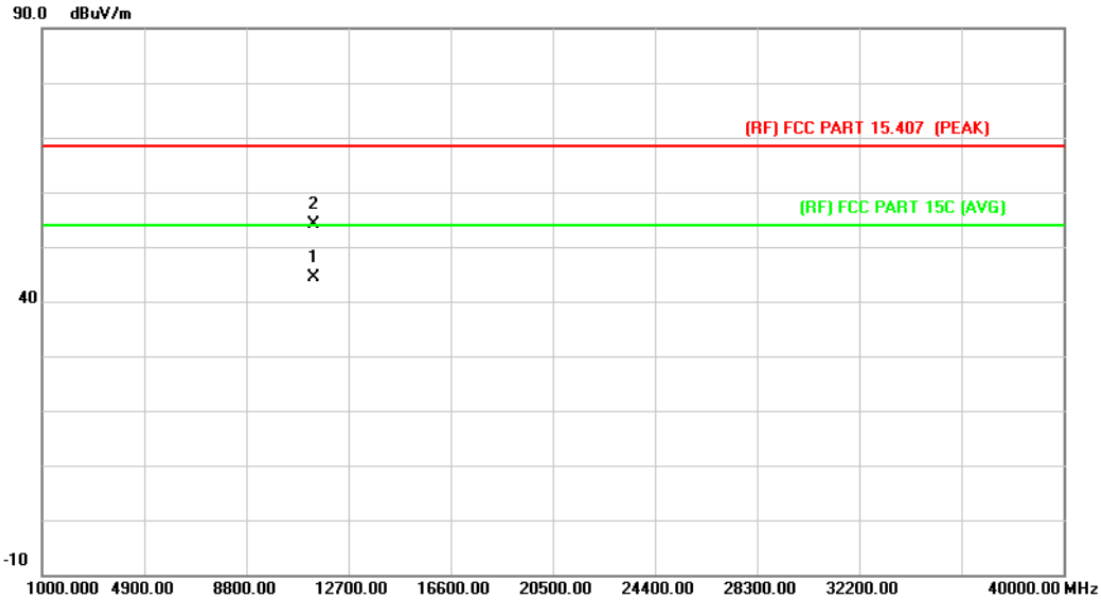
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11ac(VHT80) Mode 5610MHz (U-NII-2C)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11222.095	31.08	21.54	52.62	68.30	-15.68	peak
2	*	11223.566	21.29	21.54	42.83	54.00	-11.17	AVG

Emission Level= Read Level+ Correct Factor

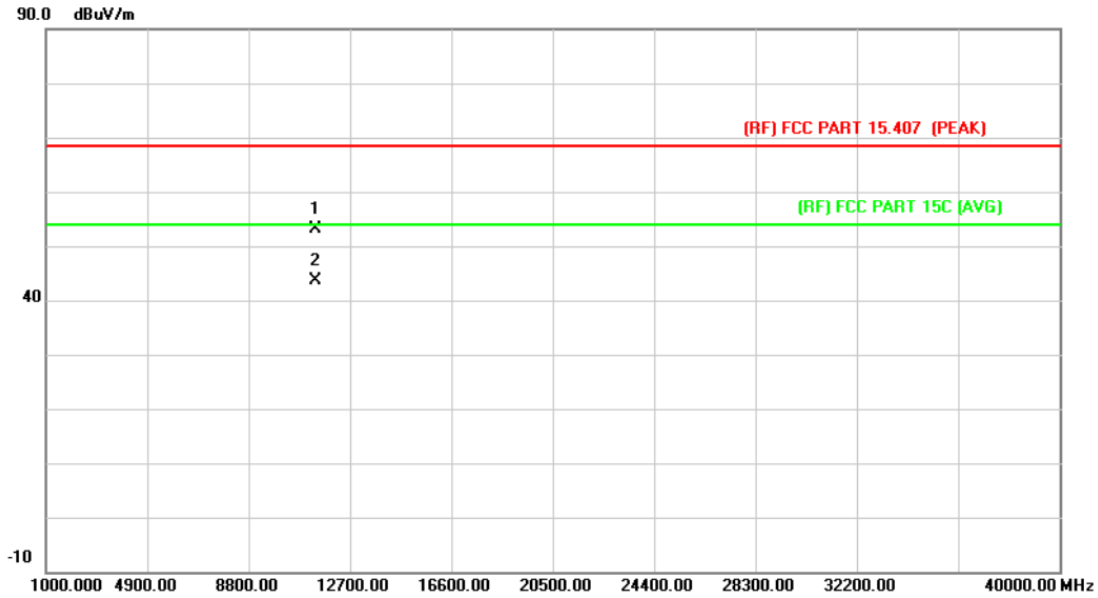
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11ac(VHT80) Mode 5690MHz (U-NII-2C)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	11382.219	22.64	21.70	44.34	54.00	-9.66	AVG
2		11382.943	32.41	21.70	54.11	68.30	-14.19	peak

Emission Level= Read Level+ Correct Factor

Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11ac(VHT80) Mode 5690MHz (U-NII-2C)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		

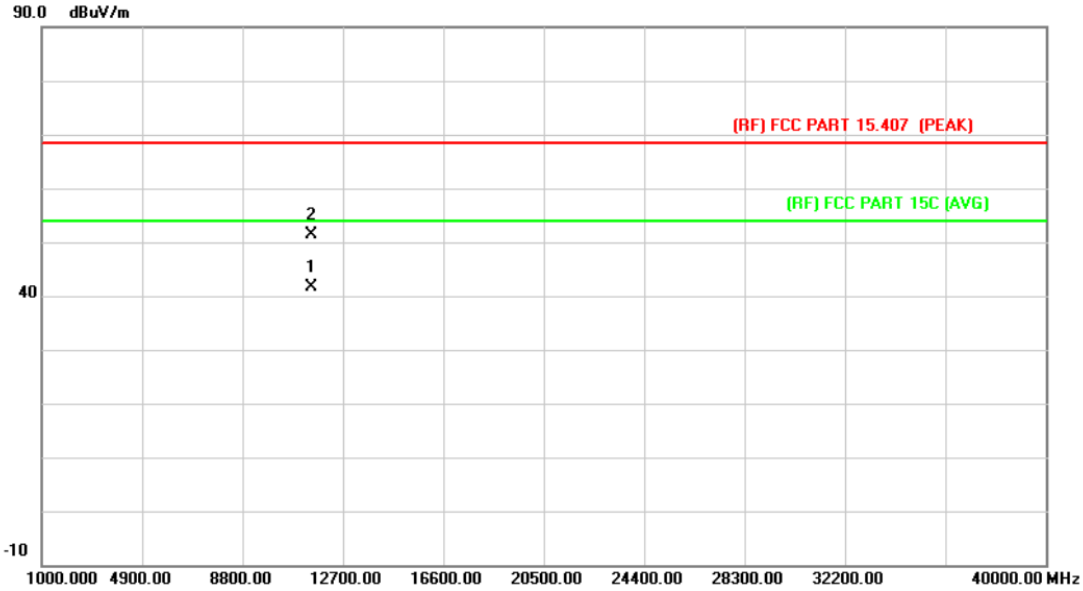


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11376.284	31.53	21.70	53.23	68.30	-15.07	peak
2	*	11376.359	21.83	21.70	43.53	54.00	-10.47	AVG

Emission Level= Read Level+ Correct Factor

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

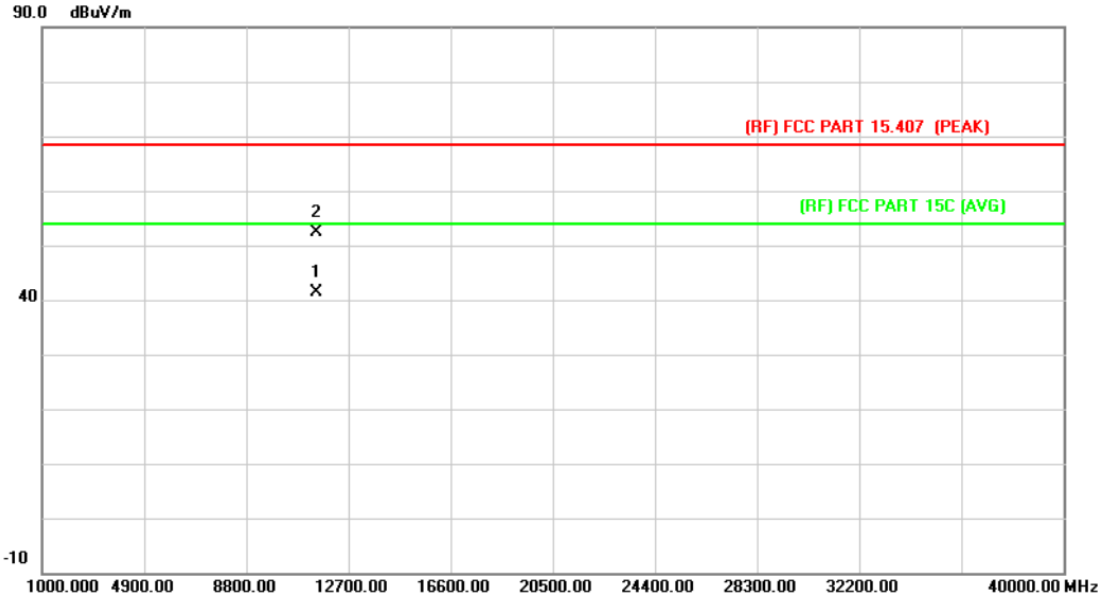
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11a Mode 5745MHz (U-NII-3)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	11488.631	19.73	21.81	41.54	54.00	-12.46	AVG
2		11488.930	29.68	21.81	51.49	68.30	-16.81	peak

Emission Level= Read Level+ Correct Factor

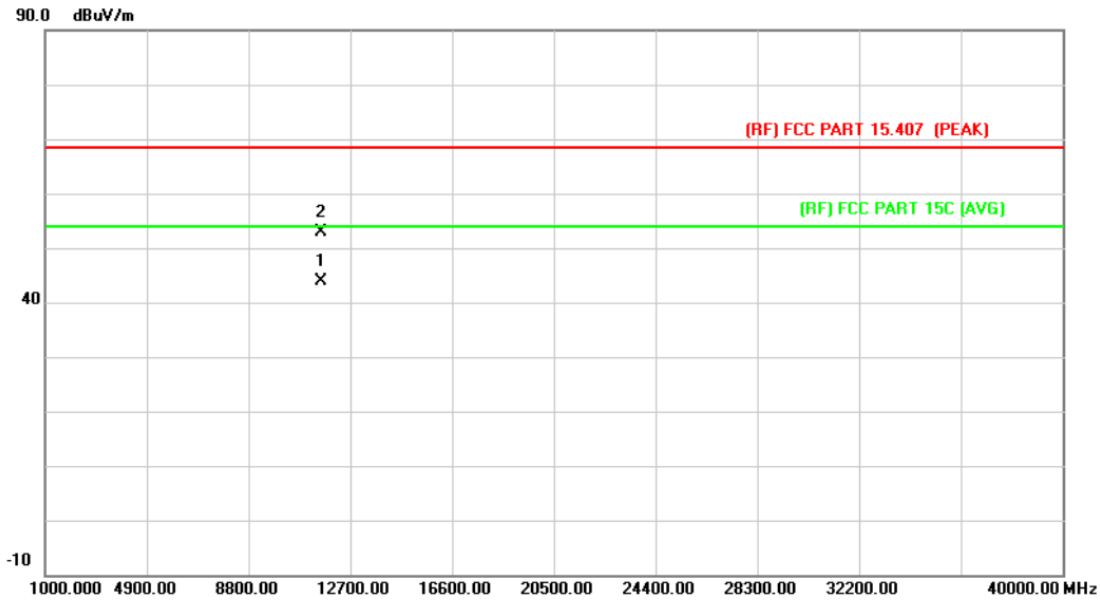
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11a Mode 5745MHz (U-NII-3)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	11488.661	19.56	21.81	41.37	54.00	-12.63	AVG
2		11488.945	30.63	21.81	52.44	68.30	-15.86	peak

Emission Level= Read Level+ Correct Factor

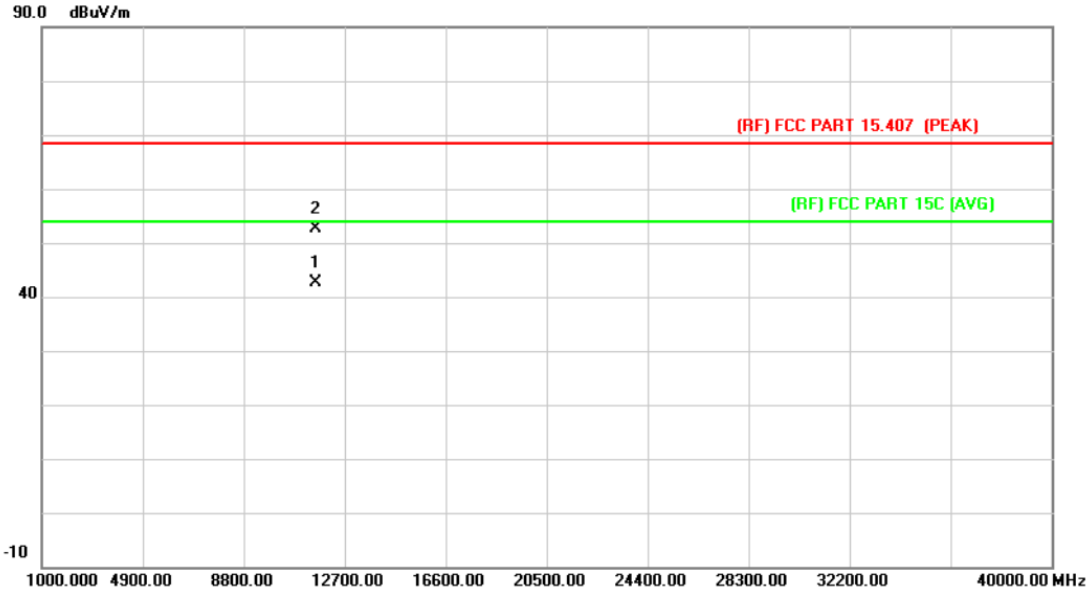
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11a Mode 5785MHz (U-NII-3)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	11569.454	21.89	21.88	43.77	54.00	-10.23	AVG
2		11571.496	30.98	21.88	52.86	68.30	-15.44	peak

Emission Level= Read Level+ Correct Factor

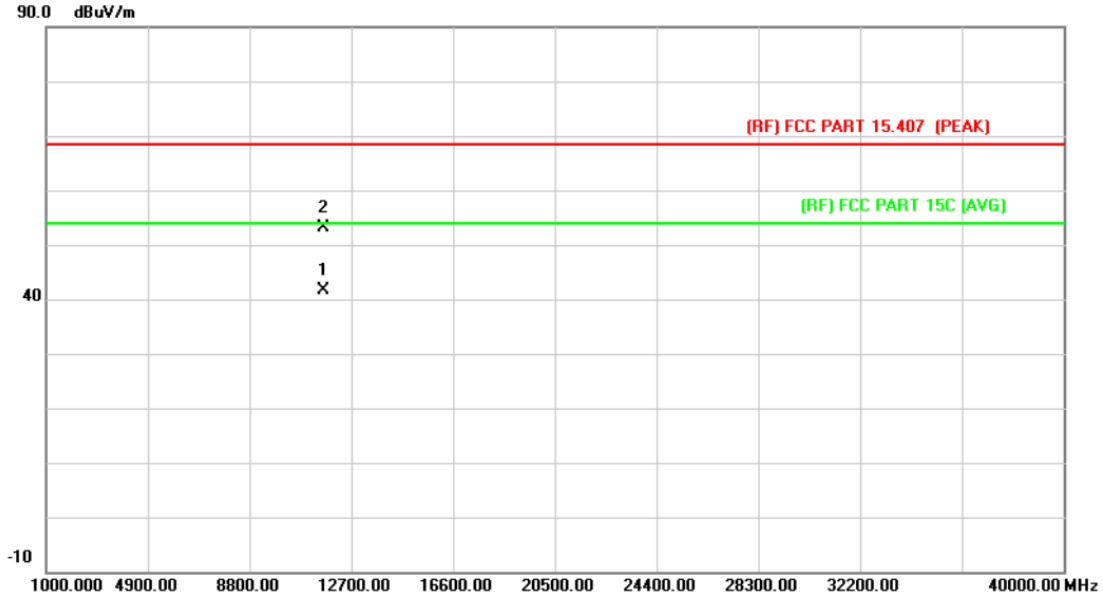
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11a Mode 5785MHz (U-NII-3)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	11569.147	20.68	21.88	42.56	54.00	-11.44	AVG
2		11570.883	30.73	21.88	52.61	68.30	-15.69	peak

Emission Level= Read Level+ Correct Factor

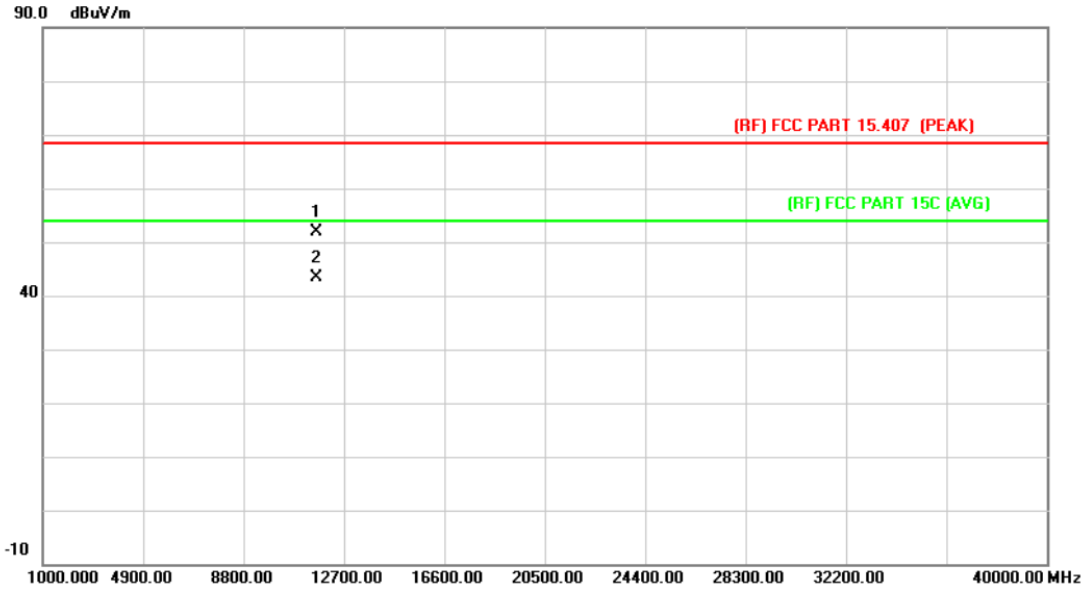
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11a Mode 5825MHz (U-NII-3)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	11648.818	19.63	21.96	41.59	54.00	-12.41	AVG
2		11650.973	31.09	21.96	53.05	68.30	-15.25	peak

Emission Level= Read Level+ Correct Factor

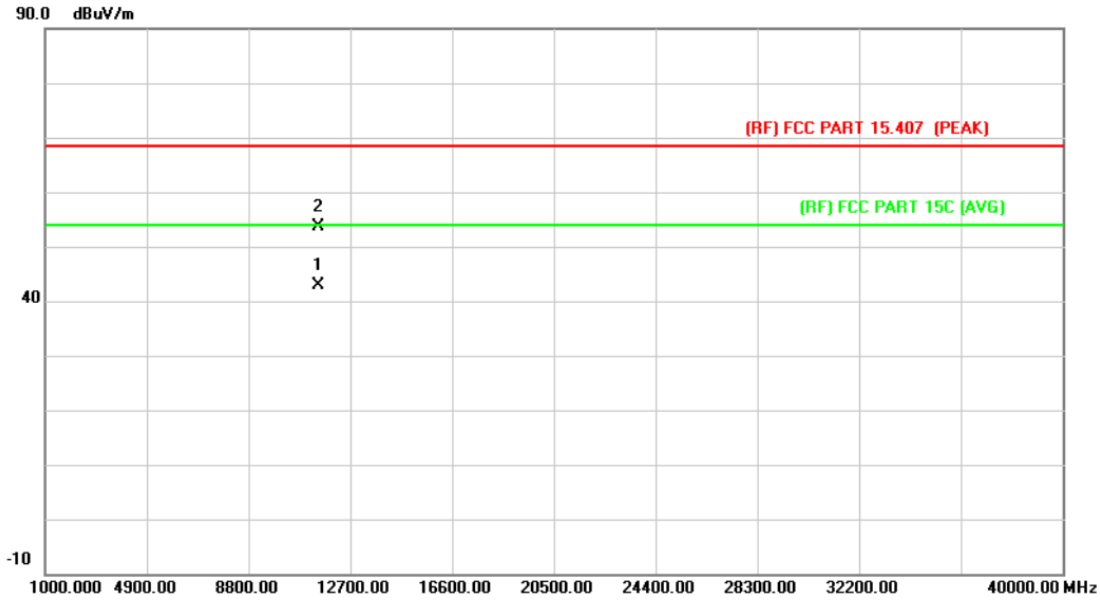
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11a Mode 5825MHz (U-NII-3)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11648.818	29.90	21.96	51.86	68.30	-16.44	peak
2	*	11650.052	21.49	21.96	43.45	54.00	-10.55	AVG

Emission Level= Read Level+ Correct Factor

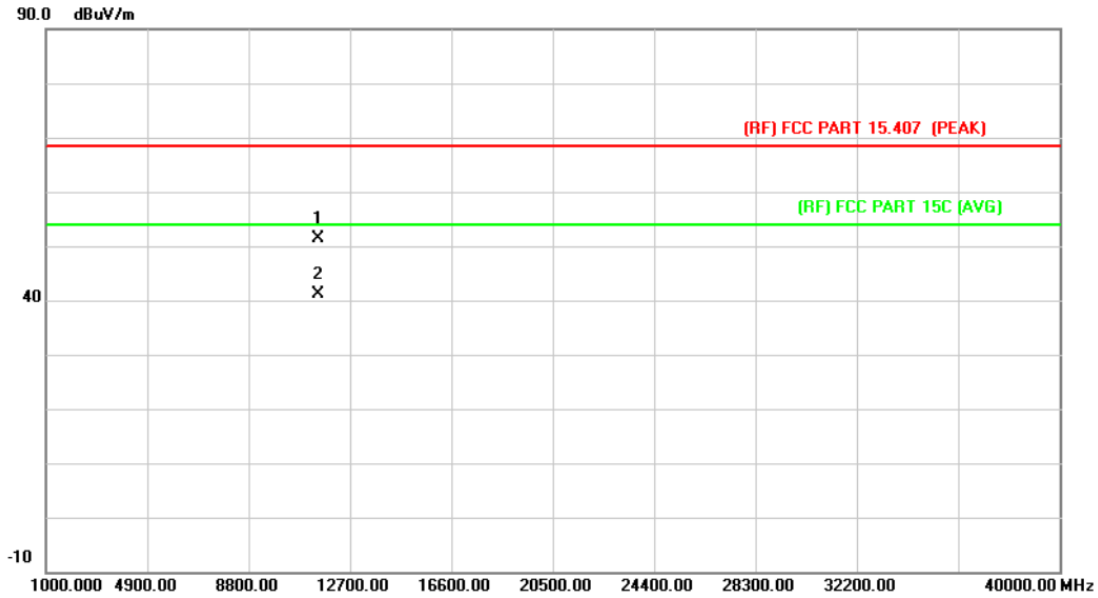
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11n(HT20) Mode 5745MHz (U-NII-3)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	11488.706	21.13	21.81	42.94	54.00	-11.06	AVG
2		11489.888	31.75	21.81	53.56	68.30	-14.74	peak

Emission Level= Read Level+ Correct Factor

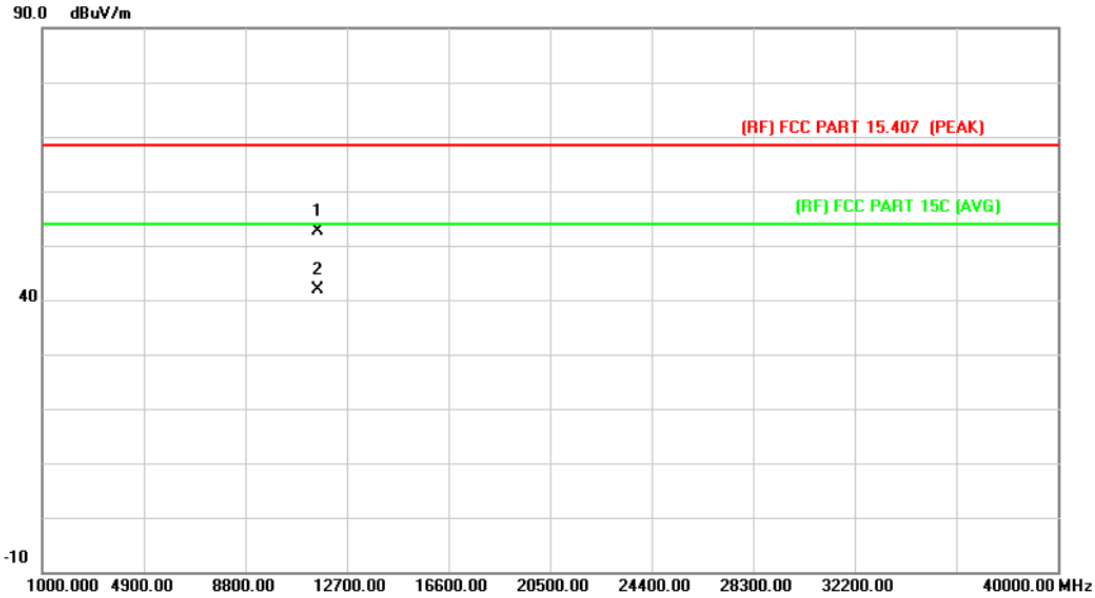
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11n(HT20) Mode 5745MHz (U-NII-3)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11488.631	29.46	21.81	51.27	68.30	-17.03	peak
2	*	11490.591	19.34	21.81	41.15	54.00	-12.85	AVG

Emission Level= Read Level+ Correct Factor

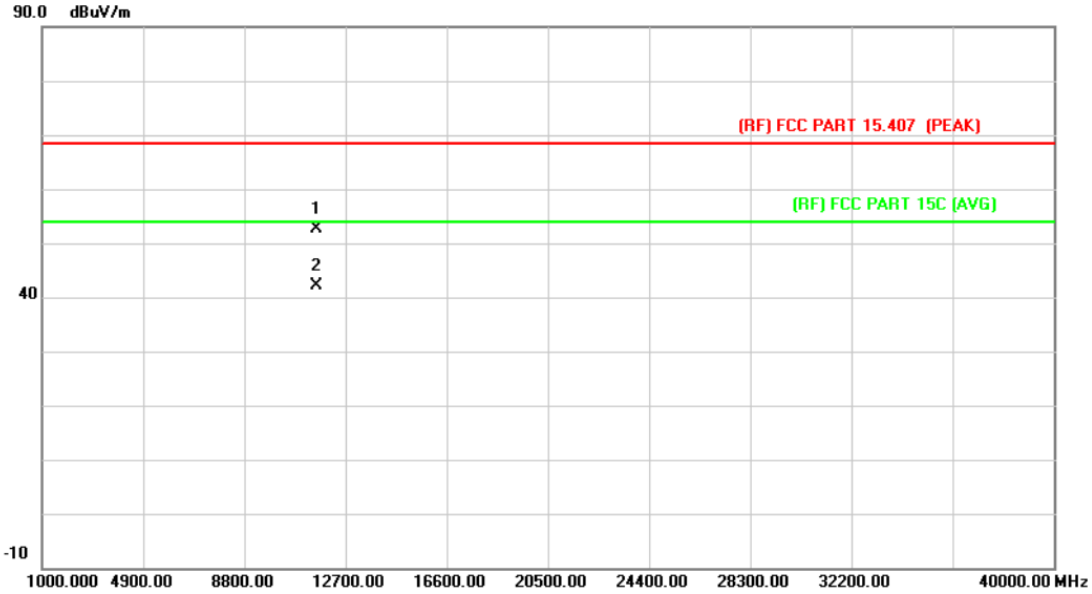
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11n(HT20) Mode 5785MHz (U-NII-3)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11570.576	30.66	21.88	52.54	68.30	-15.76	peak
2	*	11570.838	19.88	21.88	41.76	54.00	-12.24	AVG

Emission Level= Read Level+ Correct Factor

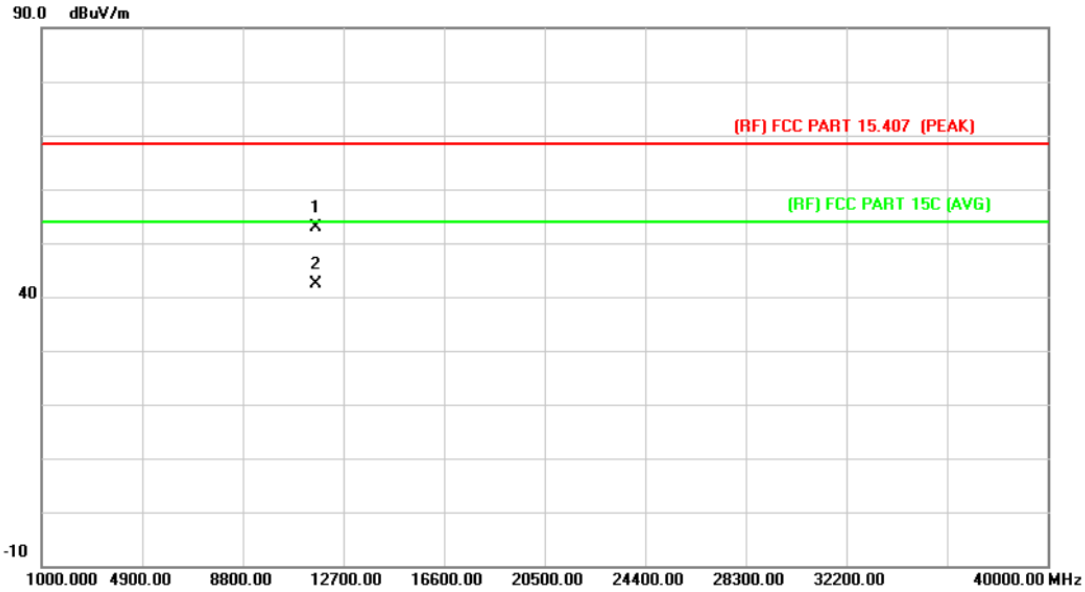
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11n(HT20) Mode 5785MHz (U-NII-3)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11569.095	30.85	21.88	52.73	68.30	-15.57	peak
2	*	11569.222	20.32	21.88	42.20	54.00	-11.80	AVG

Emission Level= Read Level+ Correct Factor

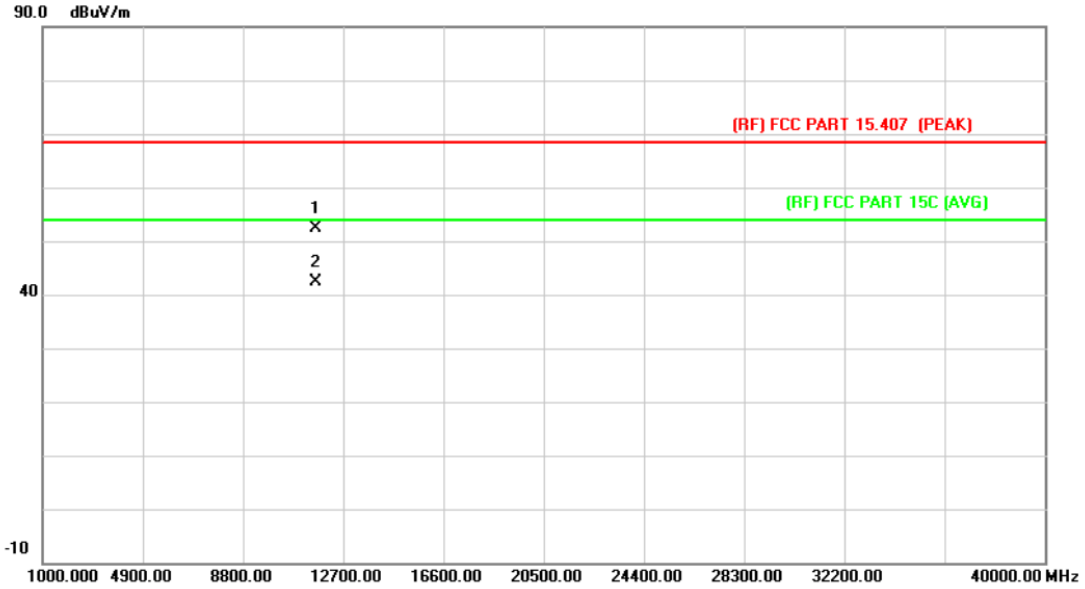
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11n(HT20) Mode 5825MHz (U-NII-3)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11649.948	31.02	21.96	52.98	68.30	-15.32	peak
2	*	11651.451	20.43	21.96	42.39	54.00	-11.61	AVG

Emission Level= Read Level+ Correct Factor

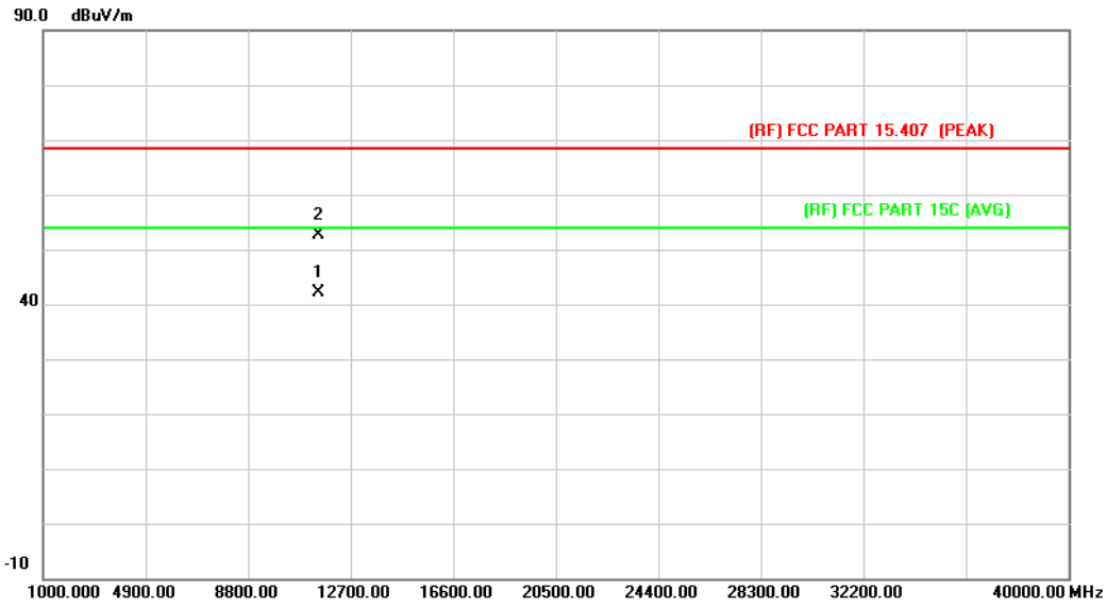
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11n(HT20) Mode 5825MHz (U-NII-3)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11650.419	30.51	21.96	52.47	68.30	-15.83	peak
2	*	11650.606	20.36	21.96	42.32	54.00	-11.68	AVG

Emission Level= Read Level+ Correct Factor

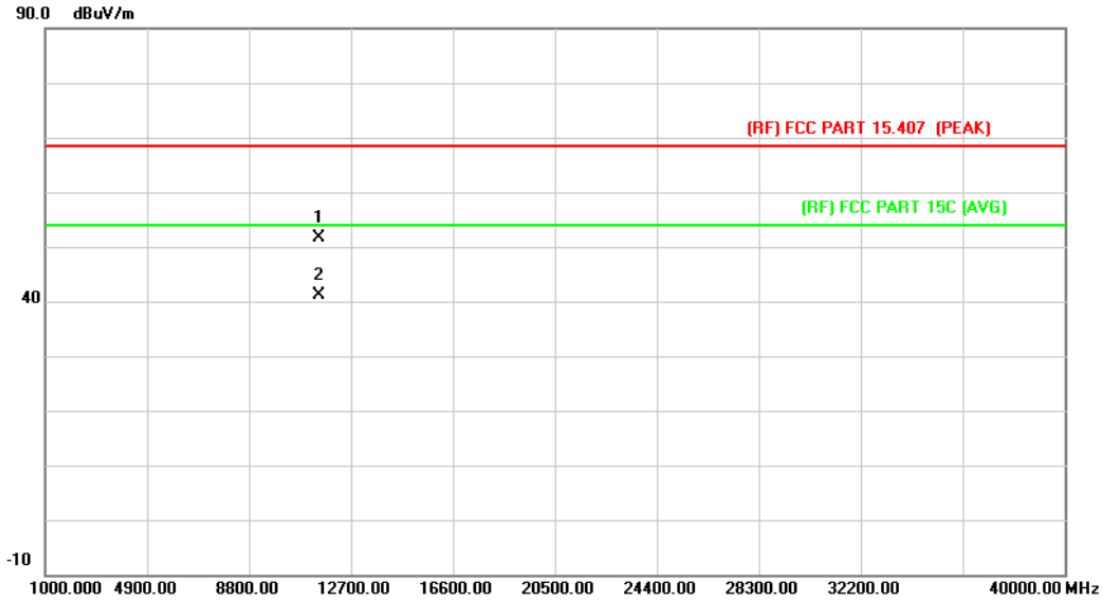
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11ac(VHT20) Mode 5745MHz (U-NII-3)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	11490.808	20.35	21.81	42.16	54.00	-11.84	AVG
2		11491.055	30.78	21.81	52.59	68.30	-15.71	peak

Emission Level= Read Level+ Correct Factor

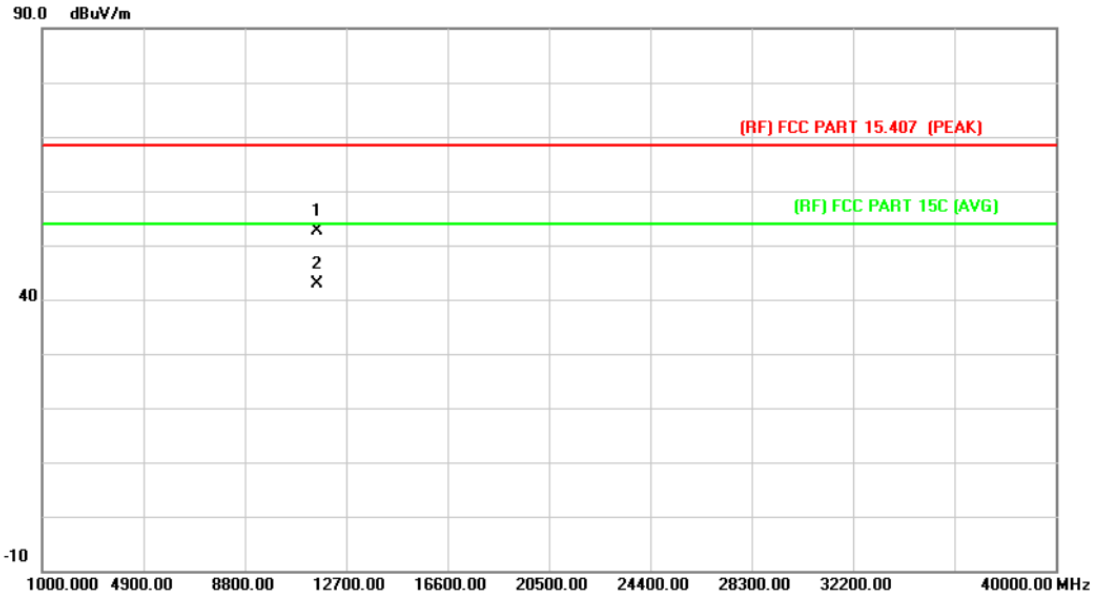
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11ac(VHT20) Mode 5745MHz (U-NII-3)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11488.818	29.94	21.81	51.75	68.30	-16.55	peak
2	*	11489.461	19.36	21.81	41.17	54.00	-12.83	AVG

Emission Level= Read Level+ Correct Factor

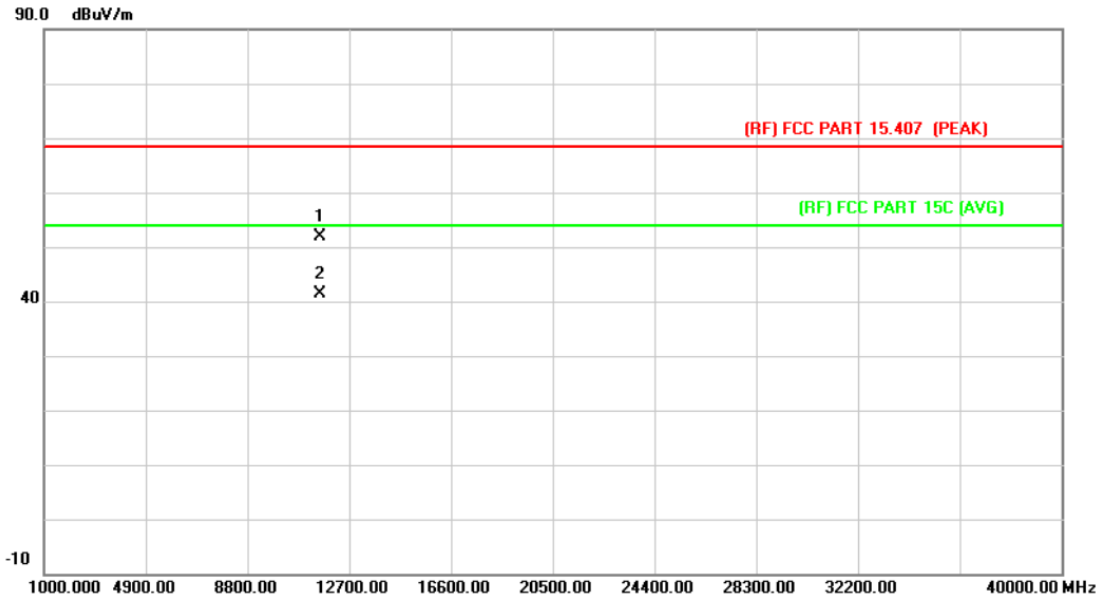
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11ac(VHT20) Mode 5785MHz (U-NII-3)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11568.960	30.83	21.88	52.71	68.30	-15.59	peak
2	*	11571.369	21.08	21.88	42.96	54.00	-11.04	AVG

Emission Level= Read Level+ Correct Factor

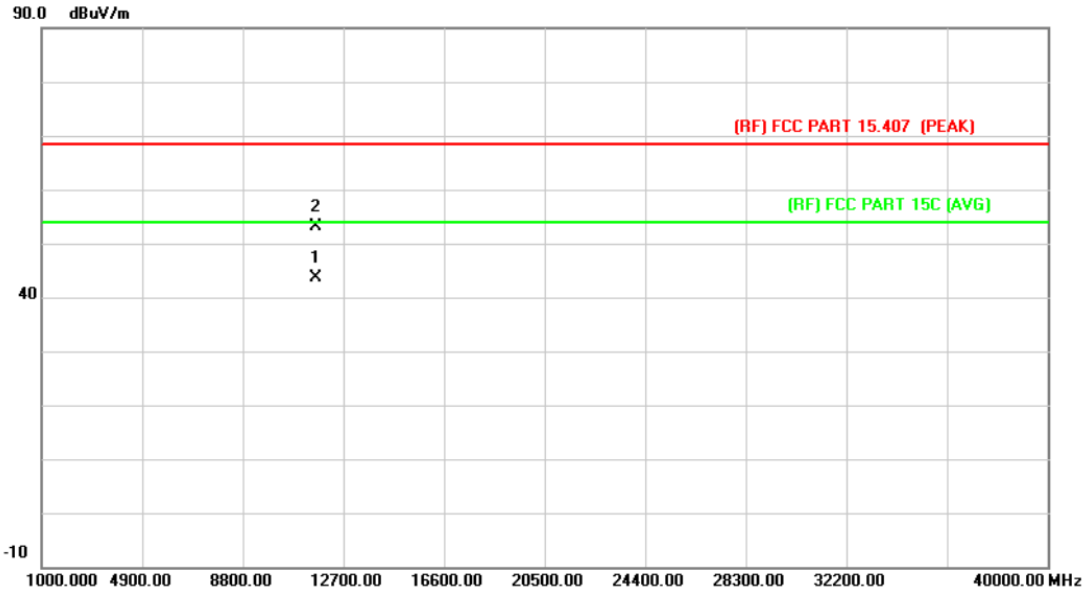
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11ac(VHT20) Mode 5785MHz (U-NII-3)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		11568.534	30.00	21.88	51.88	68.30	-16.42	peak
2	*	11570.284	19.42	21.88	41.30	54.00	-12.70	AVG

Emission Level= Read Level+ Correct Factor

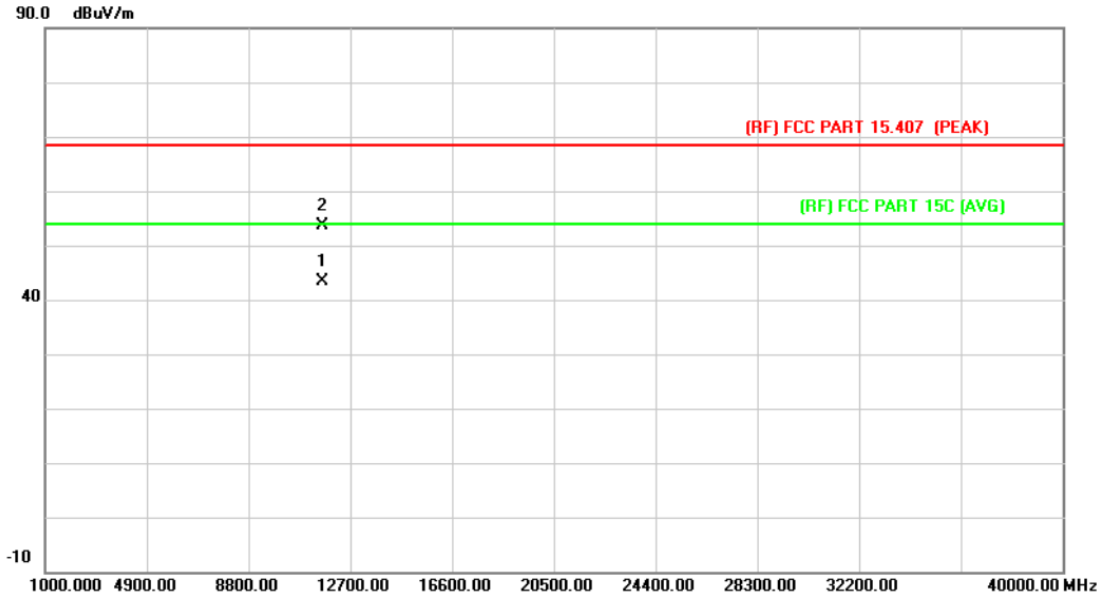
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11ac(VHT20) Mode 5825MHz (U-NII-3)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	11649.693	21.59	21.96	43.55	54.00	-10.45	AVG
2		11651.249	31.18	21.96	53.14	68.30	-15.16	peak

Emission Level= Read Level+ Correct Factor

Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11ac(VHT20) Mode 5825MHz (U-NII-3)		
Remark:	No report for the emission which more than 15 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	11648.930	21.46	21.96	43.42	54.00	-10.58	AVG
2		11650.943	31.65	21.96	53.61	68.30	-14.69	peak

Emission Level= Read Level+ Correct Factor