

# PERMISSIVE CHANGE TEST REPORT

## FCC 47 CFR PART 15 SUBPART E

### INDUSTRY CANADA RSS-247

<b>Test Standard</b>	<b>FCC Part 15.407+ RSS-247 issue 2 and RSS-GEN issue 5</b>
<b>FCC ID</b>	<b>VPYLB1ZM</b>
<b>IC</b>	<b>772C-LB1ZM</b>
<b>Product name</b>	<b>Communication Module</b>
<b>Brand Name</b>	<b>muRata</b>
<b>Model No.</b>	<b>LBEE5QD1ZM</b>
<b>Test Result</b>	<b>Pass</b>
<b>Statements of Conformity</b>	<b>Determination of compliance is based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.</b>

The test Result was tested by Compliance Certification Services Inc. The test data, data evaluation, test procedures, and equipment configurations shown in this report were given in ANSI C63.10: 2013 and compliance standards.

The test results of this report relate only to the tested sample (EUT) identified in this report.

The test Report of full or partial shall not copy. Without written approval of Compliance Certification Services Inc.(Wugu Laboratory)

Approved by:




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**Shawn Wu**  
Supervisor

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.  
除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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### Revision History

Rev.	Issue Date	Revisions	Effect Page	Revised By
00	December 11, 2020	Initial Issue	ALL	Mita Wu
01	January 7, 2021	See the following Note Rev.(01)	ALL	Allison Chen
02	November 22, 2022	See the following Note Rev.(02)	ALL	Doris Chu

**Note:**

**Rev.(01)**

1. This test report is an addendum to the original test report T200915W04-RP4, the EUTs represent the original and this test report are assessed as identical in hardware and software, measurement results in the original report are fully leveraged in this test report without further verification test.

**Rev.(02)**

1. Changed antenna type to chip antenna (molex / 2119640001), and only re-test radiation. Other Test data is referenced from cross authorization(s) Measurement results in the original test report (T201215W01-RP4) under issue date (January 7, 2021) are fully leveraged in this test report.
2. Other information, please refer to the T201215W01 and this test report.

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## 1. GENERAL INFORMATION

### 1.1 EUT INFORMATION

Applicant	Murata Manufacturing Co., Ltd. 1-10-1, Higashikotari, Nagaokakyo-shi, Kyoto 617-8555 Japan
Manufacturer	Murata Manufacturing Co., Ltd. 1-10-1, Higashikotari, Nagaokakyo-shi, Kyoto 617-8555 Japan
Equipment	Communication Module
Model No.	LBEE5QD1ZM
Model Discrepancy	N/A
Trade Name	muRata
Received Date	October 19, 2022
Date of Test	October 26 ~ November 2, 2022
Power Supply	Power from Power supply.
HW Version	1.0
SW Version	1.0
EUT Serial #	Radiated : 2610 #1

**Remark:**

1. For more details, please refer to the User's manual and Operation description of the EUT.
2. Disclaimer: Antenna information is provided by the applicant, test results of this report are applicable to the sample EUT received.

## 1.2 EUT CHANNEL INFORMATION

Frequency Range	<b>UNII-1</b>	
	IEEE 802.11a	5180 ~ 5240 MHz
	IEEE 802.11n HT 20 MHz	5180 ~ 5240 MHz
	IEEE 802.11n HT 40 MHz	5190 ~ 5230 MHz
	IEEE 802.11ac VHT 20 MHz	5180 ~ 5240 MHz
	IEEE 802.11ac VHT 40 MHz	5190 ~ 5230 MHz
	IEEE 802.11ac VHT 80 MHz	5210 MHz
	<b>UNII-2a</b>	
	IEEE 802.11a	5260 ~ 5320 MHz
	IEEE 802.11n HT 20 MHz	5260 ~ 5320 MHz
	IEEE 802.11n HT 40 MHz	5270 ~ 5310 MHz
	IEEE 802.11ac VHT 20 MHz	5260 ~ 5320 MHz
	IEEE 802.11ac VHT 40 MHz	5270 ~ 5310 MHz
	IEEE 802.11ac VHT 80 MHz	5290 MHz
	<b>UNII-2c</b>	
	IEEE 802.11a	5500 ~ 5720 MHz
	IEEE 802.11n HT 20 MHz	5500 ~ 5720 MHz
	IEEE 802.11n HT 40 MHz	5510 ~ 5710 MHz
	IEEE 802.11ac VHT 20 MHz	5500 ~ 5720 MHz
	IEEE 802.11ac VHT 40 MHz	5510 ~ 5710 MHz
	IEEE 802.11ac VHT 80 MHz	5530, 5610, 5690 MHz
<b>UNII-3</b>		
IEEE 802.11a	5745 ~ 5825 MHz	
IEEE 802.11n HT 20 MHz	5745 ~ 5825 MHz	
IEEE 802.11n HT 40 MHz	5755 ~ 5795 MHz	
IEEE 802.11ac VHT 20 MHz	5745 ~ 5825 MHz	
IEEE 802.11ac VHT 40 MHz	5755 ~ 5795 MHz	
IEEE 802.11ac VHT 80 MHz	5775 MHz	
Modulation Type	<ol style="list-style-type: none"> <li>1. IEEE 802.11a mode: OFDM</li> <li>2. IEEE 802.11n HT 20 MHz mode: OFDM</li> <li>3. IEEE 802.11n HT 40 MHz mode: OFDM</li> <li>4. IEEE 802.11ac VHT 20 MHz mode: OFDM</li> <li>5. IEEE 802.11ac VHT 40 MHz mode: OFDM</li> <li>6. IEEE 802.11ac VHT 80 MHz mode: OFDM</li> </ol>	

**Remark:**

1. Refer as ANSI C63.10: 2013 clause 5.6.1 Table 4 for test channels.
2. For Canada the EUT Frequency Range 5600~5720MHz will be disabled.

Number of frequencies to be tested		
Frequency range in which device operates	Number of frequencies	Location in frequency range of operation
<input type="checkbox"/> 1 MHz or less	1	Middle
<input type="checkbox"/> 1 MHz to 10 MHz	2	1 near top and 1 near bottom
<input checked="" type="checkbox"/> More than 10 MHz	3	1 near top, 1 near middle, and 1 near bottom

### 1.3 ANTENNA INFORMATION

<b>Antenna Specification</b>	<input type="checkbox"/> PIFA <input checked="" type="checkbox"/> Chip <input type="checkbox"/> Dipole <input type="checkbox"/> Coils
<b>Antenna Gain</b>	molex / 2119640001 Gain: 2.2 dBi

Remark:

1.The antenna(s) of the EUT are permanently attached and there are no provisions for connection to an external antenna. So the EUT complies with the requirements of §15.203 and RSS-Gen 6.8.

## 1.4 MEASUREMENT UNCERTAINTY

PARAMETER	UNCERTAINTY
Radiated Emission_9kHz-30MHz	± 3.814
Radiated Emission_30MHz-200MHz	± 4.272
Radiated Emission_200MHz-1GHz	± 4.619
Radiated Emission_1GHz-6GHz	± 5.522
Radiated Emission_6GHz-18GHz	± 5.228
Radiated Emission_18GHz-26GHz	± 4.089
Radiated Emission_26GHz-40GHz	± 4.019

**Remark:**

- 1.This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2
2. ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report.

## 1.5 FACILITIES AND TEST LOCATION

All measurement facilities used to collect the measurement data are located at

No.11, Wugong 6th Rd., Wugu Dist., New Taipei City, Taiwan.

No. 12, Ln. 116, Wugong 3rd Rd., Wugu Dist., New Taipei City, Taiwan 24803

CAB identifier: TW1309

Test site	Test Engineer	Remark
Radiation	Ray Li, Tony Chao	-

**Remark:**

1. The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC public Access Link (PAL) database, FCC Registration No. :444940, the FCC Designation No.:TW1309

2. The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 and CISPR Publication 22.

## 1.6 INSTRUMENT CALIBRATION

3M 966 Chamber Test Site					
Equipment	Manufacturer	Model	Serial Number	Cal Date	Cal Due
K-Type Cable	Huber+Suhner	SUCOFLEX 102	29406/2	2021-12-05	2022-12-04
Bi-Log Antenna	Sunol Sciences	JB3	A030105	2022-08-03	2023-08-02
Spectrum Analyzer	Agilent	E4446A	MY46180323	2021-12-06	2022-12-05
Thermo-Hygro Meter	WISEWIND	1206	D07	2021-12-28	2022-12-27
Loop Antenna	COM-POWER	AL-130	121051	2022-04-13	2023-04-12
Horn Antenna	SCHWARZBECK	BBHA9170	1047	2022-01-11	2023-01-10
Coaxial Cable	EMCI	EMC101G- KM-KM-500	211041	2021-12-23	2022-12-22
Coaxial Cable	EMC	EMC101G-KM-KM-9000	211042	2021-12-23	2022-12-22
Pre-Amplifier	EMCI	EMC184045SE	980860	2021-12-28	2022-12-27
Horn Antenna	ETS LINDGREN	3116	00026370	2021-11-30	2022-11-29
Cable	Woken	J-1099	201709090004	2021-12-23	2022-12-22
Preamplifier	EMEC	EM330	060609	2022-02-23	2023-02-22
Preamplifier	HP	8449B	3008A00965	2021-12-24	2022-12-23
Cable	Huber+Suhner	104PEA	20995+11112+182330	2022-02-23	2023-02-22
Coaxial Cable	EMCI	EMC105	190914+33953	2022-06-15	2023-06-14
Horn Antenna	ETC	MCTD 1209	DRH13M02003	2022-01-25	2023-01-24
High Pass Filters	MICRO TRONICS	HPM13195	003	2022-02-10	2023-02-09
Turn Table	CCS	CC-T-1F	N/A	N.C.R	N.C.R
Controller	CCS	CC-C-1F	N/A	N.C.R	N.C.R
Antenna Tower	CCS	CC-A-1F	N/A	N.C.R	N.C.R
Software	e3 6.11-20180413				

**Remark:**

1. Each piece of equipment is scheduled for calibration once a year.

2. N.C.R. = No Calibration Required.



## 1.7 SUPPORT AND EUT ACCESSORIES EQUIPMENT

EUT Accessories Equipment					
No.	Equipment	Brand	Model	Series No.	FCC ID
	N/A				

Support Equipment					
No.	Equipment	Brand	Model	Series No.	FCC ID
1	NB(G)	Lenovo	IBM 1951	N/A	N/A

## 1.8 TEST METHODOLOGY AND APPLIED STANDARDS

The test methodology, setups and results comply with all requirements in accordance with ANSI C63.10:2013, FCC Part 2, FCC Part 15.407, KDB 789033 D02, KDB 905462 D02, KDB 662911, RSS-247 Issue 2 and RSS-GEN Issue 5.

## 2. TEST SUMMARY

FCC Standard Sec.	IC Standard Sec.	Chapter	Test Item	Result
15.203	-	1.3	Antenna Requirement	Pass
15.407(b)	RSS-247(6.2.1.2) RSS-247(6.2.2.2) RSS-247(6.2.3.2) RSS-247(6.2.4.2)	4.1	Radiation Band Edge	Pass
15.407(b)	RSS-247(6.2.1.2) RSS-247(6.2.2.2) RSS-247(6.2.3.2) RSS-247(6.2.4.2)	4.1	Radiation Spurious Emission	Pass

### 3. DESCRIPTION OF TEST MODES

#### 3.1 THE EUT CHANNEL NUMBER OF OPERATING CONDITION

<p>Operation mode</p>	<ol style="list-style-type: none"> <li>1. IEEE 802.11a mode: 6Mbps</li> <li>2. IEEE 802.11n HT 20 MHz mode: MCS0</li> <li>3. IEEE 802.11n HT 40 MHz mode: MCS0</li> <li>4. IEEE 802.11ac VHT20 MHz mode: MCS0</li> <li>5. IEEE 802.11ac VHT40 MHz mode: MCS0</li> <li>6. IEEE 802.11ac VHT 80 MHz mode: MCS0</li> </ol>																																																							
<p>Operating Frequency</p>		<table border="1"> <thead> <tr> <th>Mode</th> <th>Frequency Range (MHz)</th> </tr> </thead> <tbody> <tr> <td rowspan="6">U-NII-1</td> <td>IEEE 802.11a</td> <td>5180, 5220, 5240</td> </tr> <tr> <td>IEEE 802.11n HT 20 MHz</td> <td>5180, 5220, 5240</td> </tr> <tr> <td>IEEE 802.11n HT 40 MHz</td> <td>5190, 5230</td> </tr> <tr> <td>IEEE 802.11ac VHT 20 MHz</td> <td>5180, 5220, 5240</td> </tr> <tr> <td>IEEE 802.11ac VHT 40 MHz</td> <td>5190, 5230</td> </tr> <tr> <td>IEEE 802.11ac VHT 80 MHz</td> <td>5210</td> </tr> <tr> <td rowspan="6">U-NII-2a</td> <td>IEEE 802.11a</td> <td>5260, 5280, 5320</td> </tr> <tr> <td>IEEE 802.11n HT 20 MHz</td> <td>5260, 5280, 5320</td> </tr> <tr> <td>IEEE 802.11n HT 40 MHz</td> <td>5270, 5310</td> </tr> <tr> <td>IEEE 802.11ac VHT 20 MHz</td> <td>5260, 5280, 5320</td> </tr> <tr> <td>IEEE 802.11ac VHT 40 MHz</td> <td>5270, 5310</td> </tr> <tr> <td>IEEE 802.11ac VHT 80 MHz</td> <td>5290</td> </tr> <tr> <td rowspan="6">U-NII-2c</td> <td>IEEE 802.11a</td> <td>5500, 5580, 5700, 5720</td> </tr> <tr> <td>IEEE 802.11n HT 20 MHz</td> <td>5500, 5580, 5700, 5720</td> </tr> <tr> <td>IEEE 802.11n HT 40 MHz</td> <td>5510, 5550, 5670, 5710</td> </tr> <tr> <td>IEEE 802.11ac VHT 20 MHz</td> <td>5500, 5580, 5700, 5720</td> </tr> <tr> <td>IEEE 802.11ac VHT 40 MHz</td> <td>5510, 5550, 5670, 5710</td> </tr> <tr> <td>IEEE 802.11ac VHT 80 MHz</td> <td>5530, 5610, 5690</td> </tr> <tr> <td rowspan="6">U-NII-3</td> <td>IEEE 802.11a</td> <td>5745, 5785, 5825</td> </tr> <tr> <td>IEEE 802.11n HT 20 MHz</td> <td>5745, 5785, 5825</td> </tr> <tr> <td>IEEE 802.11n HT 40 MHz</td> <td>5755, 5795</td> </tr> <tr> <td>IEEE 802.11ac VHT 20 MHz</td> <td>5745, 5785, 5825</td> </tr> <tr> <td>IEEE 802.11ac VHT 40 MHz</td> <td>5755, 5795</td> </tr> <tr> <td>IEEE 802.11ac VHT 80 MHz</td> <td>5775</td> </tr> </tbody> </table>	Mode	Frequency Range (MHz)	U-NII-1	IEEE 802.11a	5180, 5220, 5240	IEEE 802.11n HT 20 MHz	5180, 5220, 5240	IEEE 802.11n HT 40 MHz	5190, 5230	IEEE 802.11ac VHT 20 MHz	5180, 5220, 5240	IEEE 802.11ac VHT 40 MHz	5190, 5230	IEEE 802.11ac VHT 80 MHz	5210	U-NII-2a	IEEE 802.11a	5260, 5280, 5320	IEEE 802.11n HT 20 MHz	5260, 5280, 5320	IEEE 802.11n HT 40 MHz	5270, 5310	IEEE 802.11ac VHT 20 MHz	5260, 5280, 5320	IEEE 802.11ac VHT 40 MHz	5270, 5310	IEEE 802.11ac VHT 80 MHz	5290	U-NII-2c	IEEE 802.11a	5500, 5580, 5700, 5720	IEEE 802.11n HT 20 MHz	5500, 5580, 5700, 5720	IEEE 802.11n HT 40 MHz	5510, 5550, 5670, 5710	IEEE 802.11ac VHT 20 MHz	5500, 5580, 5700, 5720	IEEE 802.11ac VHT 40 MHz	5510, 5550, 5670, 5710	IEEE 802.11ac VHT 80 MHz	5530, 5610, 5690	U-NII-3	IEEE 802.11a	5745, 5785, 5825	IEEE 802.11n HT 20 MHz	5745, 5785, 5825	IEEE 802.11n HT 40 MHz	5755, 5795	IEEE 802.11ac VHT 20 MHz	5745, 5785, 5825	IEEE 802.11ac VHT 40 MHz	5755, 5795	IEEE 802.11ac VHT 80 MHz	5775
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Remark:

1. EUT pre-scanned data rate of output power for each mode, the worst data rate were recorded in this report.
2. The mode IEEE 802.11ac VHT20 and VHT40 MHz are only different in control messages with IEEE 802.11n HT20 and HT40 MHz, and have same power setting. Therefore, the highest power(IEEE 802.11n HT20 and HT40 MHz) were test conducted and radiated measurement and recorded in this report.
3. For Canada the EUT Frequency Range 5600~5720MHz will be disabled.

### 3.2 THE WORST MODE OF MEASUREMENT

Radiated Emission Measurement Above 1G	
Test Condition	Radiated Emission Above 1G
Power supply Mode	Mode 1: EUT power by Power supply
Worst Mode	<input checked="" type="checkbox"/> Mode 1 <input type="checkbox"/> Mode 2 <input type="checkbox"/> Mode 3 <input type="checkbox"/> Mode 4
Worst Position	<input type="checkbox"/> Placed in fixed position. <input checked="" type="checkbox"/> Placed in fixed position at X-Plane (E2-Plane) <input type="checkbox"/> Placed in fixed position at Y-Plane (E1-Plane) <input type="checkbox"/> Placed in fixed position at Z-Plane (H-Plane)

Radiated Emission Measurement Below 1G	
Test Condition	Radiated Emission Below 1G
Power supply Mode	Mode 1: EUT power by Power supply
Worst Mode	<input checked="" type="checkbox"/> Mode 1 <input type="checkbox"/> Mode 2 <input type="checkbox"/> Mode 3 <input type="checkbox"/> Mode 4

*Remark:*

1. The worst mode was record in this test report.
2. EUT pre-scanned in three axis ,X,Y, Z and two polarity, for radiated measurement. The worst case(X-Plane) were recorded in this report

## 4. TEST RESULT

### 4.1 RADIATION BANDEDGE AND SPURIOUS EMISSION

#### 4.1.1 Test Limit

According to §15.407, §15.209 and §15.205,  
According to RSS-247 section 6.2.1.2 and section 6.2.4.2

#### Below 30 MHz

Frequency	Field Strength (microvolts/m)	Magnetic H-Field (microamperes/m)	Measurement Distance (metres)
9-490 kHz	2,400/F (F in kHz)	2,400/F (F in kHz)	300
490-1,705 kHz	24,000/F (F in kHz)	24,000/F (F in kHz)	30
1.705-30 MHz	30	N/A	30

#### Above 30 MHz

Frequency (MHz)	Field Strength microvolts/m at 3 metres (watts, e.i.r.p.)	
	Transmitters	Receivers
30-88	100 (3 nW)	100 (3 nW)
88-216	150 (6.8 nW)	150 (6.8 nW)
216-960	200 (12 nW)	200 (12 nW)
Above 960	500 (75 nW)	500 (75 nW)

#### RSS-Gen Table 3 and Table 5 – General Field Strength Limits for Transmitters and Receivers at Frequencies Above 30 MHz <sup>(Note)</sup>

Frequency (MHz)	Field Strength microvolts/m at 3 metres (watts, e.i.r.p.)	
	Transmitters	Receivers
30-88	100 (3 nW)	100 (3 nW)
88-216	150 (6.8 nW)	150 (6.8 nW)
216-960	200 (12 nW)	200 (12 nW)
Above 960	500 (75 nW)	500 (75 nW)

**Note:** Measurements for compliance with the limits in table 3 may be performed at distances other than 3 metres, in accordance with Section 6.6.

**RSS-Gen Table 6: General Field Strength Limits for Transmitters at Frequencies Below 30 MHz (Transmit)**

Frequency	Magnetic field strength (H-Field) ( $\mu\text{A/m}$ )	Measurement Distance (m)
9-490 kHz <sup>Note</sup>	6.37/F (F in kHz)	300
490-1,705 kHz	63.7/F (F in kHz)	30
1.705-30 MHz	0.08	30

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

**UNII-1 :**

For transmitters operating in the band 5150-5250 MHz, all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. However, any unwanted emissions that fall into the band 5250-5350 MHz must be 26 dBc, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth, above 5.25 GHz. Otherwise, the transmission is considered as intentional and the devices shall implement dynamic frequency selection (DFS) and transmitter power control (TPC) as per the requirements for the band 5250-5350 MHz

**UNII-2a and 2c :**

For devices with operating frequencies in the band 5250-5350 MHz but having a channel bandwidth that overlaps the band 5150-5250 MHz, the devices' unwanted emission shall not exceed -27 dBm/MHz e.i.r.p. outside the band 5150-5350 MHz and its power shall comply with the spectral power density for operation within the band 5150-5250 MHz. The device shall be labelled "for indoor use only." Emissions outside the band 5470-5725 MHz shall not exceed -27 dBm/MHz e.i.r.p.

**UNII-3:**

For the band 5725-5850 MHz, emissions at frequencies from the band edges to 10 MHz above or below the band edges shall not exceed -17 dBm/MHz e.i.r.p.  
 For emissions at frequencies more than 10 MHz above or below the band edges, the emissions power shall not exceed -27 dBm/MHz

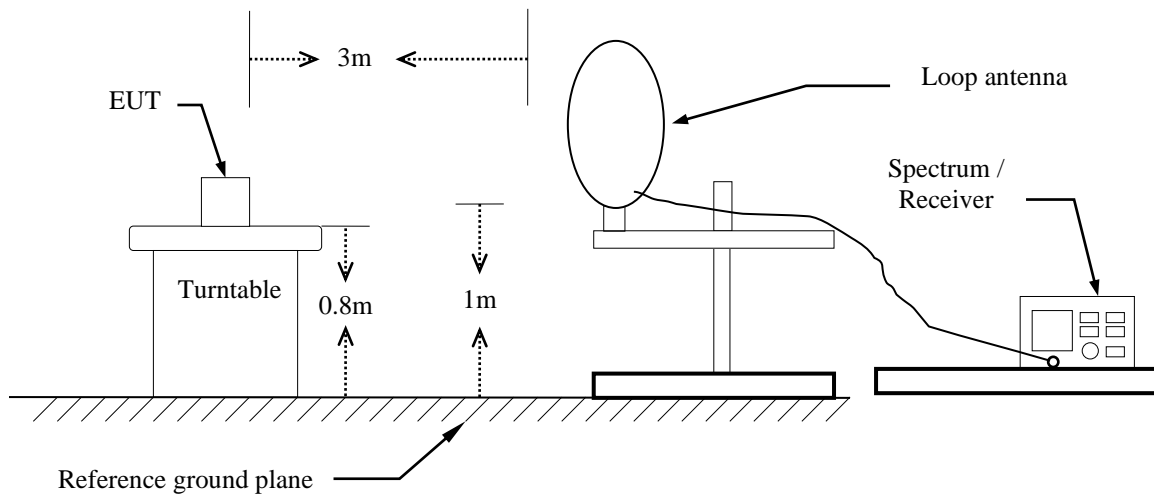
#### 4.1.2 Test Procedure

Test method Refer as KDB 789033 D02.

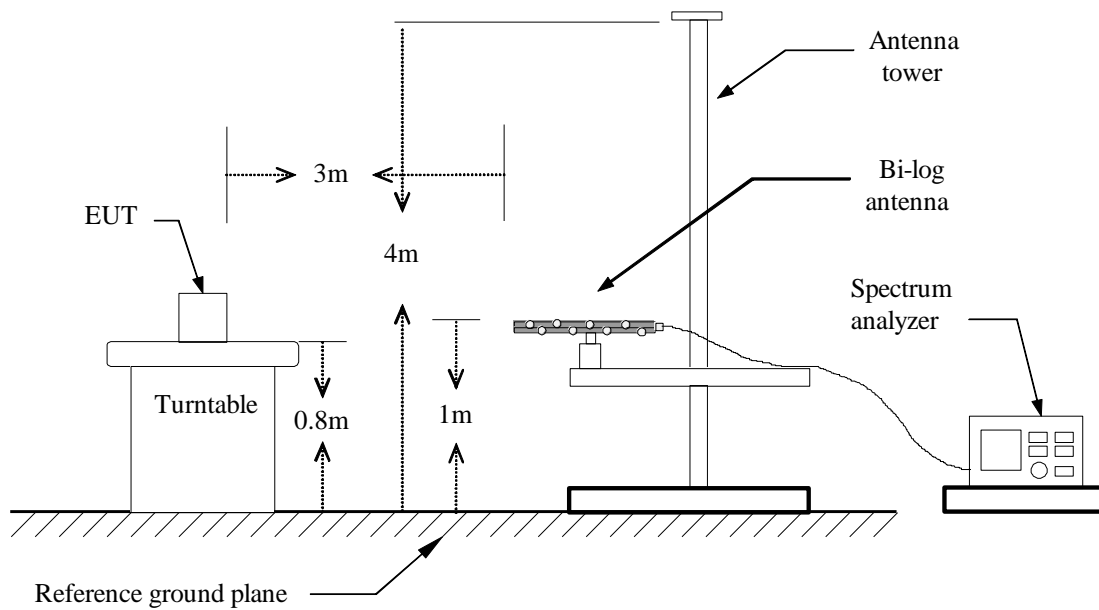
1. The EUT is placed on a turntable, Above 1 GHz is 1.5m and below 1 GHz is 0.8m above ground plane. The EUT Configured un accordance with ANSI C63.10: 2013, and the EUT set in a continuous mode.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level. And EUT is set 3m away from the receiving antenna, which is scanned from 1m to 4m above the ground plane to find out the highest emissions. Measurement are made polarized in both the vertical and the horizontal positions with antenna.
3. Span shall wide enough to full capture the emission measured. The SA from 9kHz to 26.5GHz set to the low, Mid and High channels with the EUT transmit.
4. No emission found between lowest internal used/generated frequency to 30MHz (9KHz~30MHz)
5. The SA setting following :
  - (1) Below 1G : RBW = 100kHz, VBW  $\geq$  3\*RBW, Sweep = Auto, Detector = Peak, Trace = Max hold.
  - (2) Above 1G :
    - (2.1) For Peak measurement : RBW = 1MHz, VBW  $\geq$  3 RBW, Sweep = Auto, Detector = Peak, Trace = Max hold.
    - (2.2) For Average measurement : RBW = 1MHz, VBW
      - If Duty Cycle  $\geq$  98%, VBW=10Hz.
      - If Duty Cycle < 98%, VBW=1/T.
6. Data result :
  - Actual FS=Spectrum Reading Level + Factor
  - Margin=Actual FS- Limit

## 4.1.3 Test Setup

### 9kHz ~ 30MHz

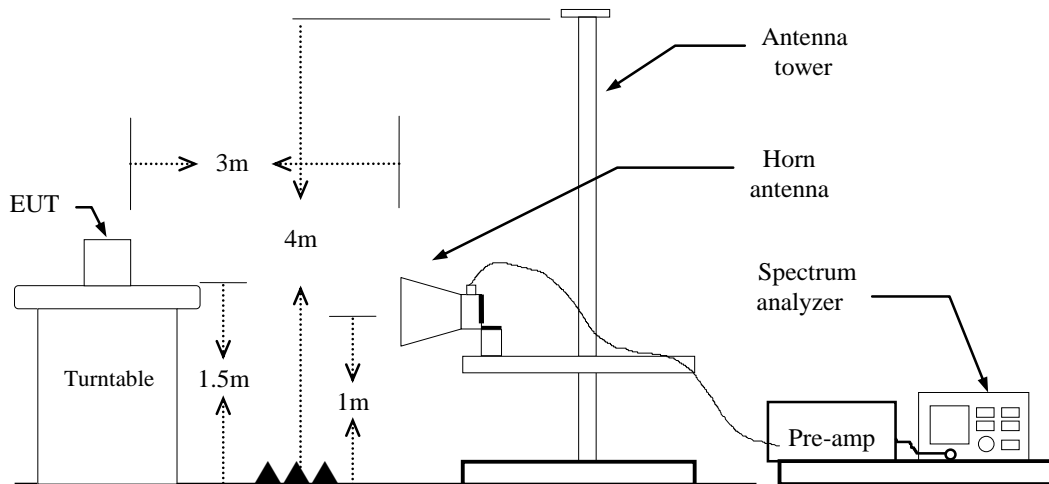


### 30MHz ~ 1GHz





## Above 1 GHz

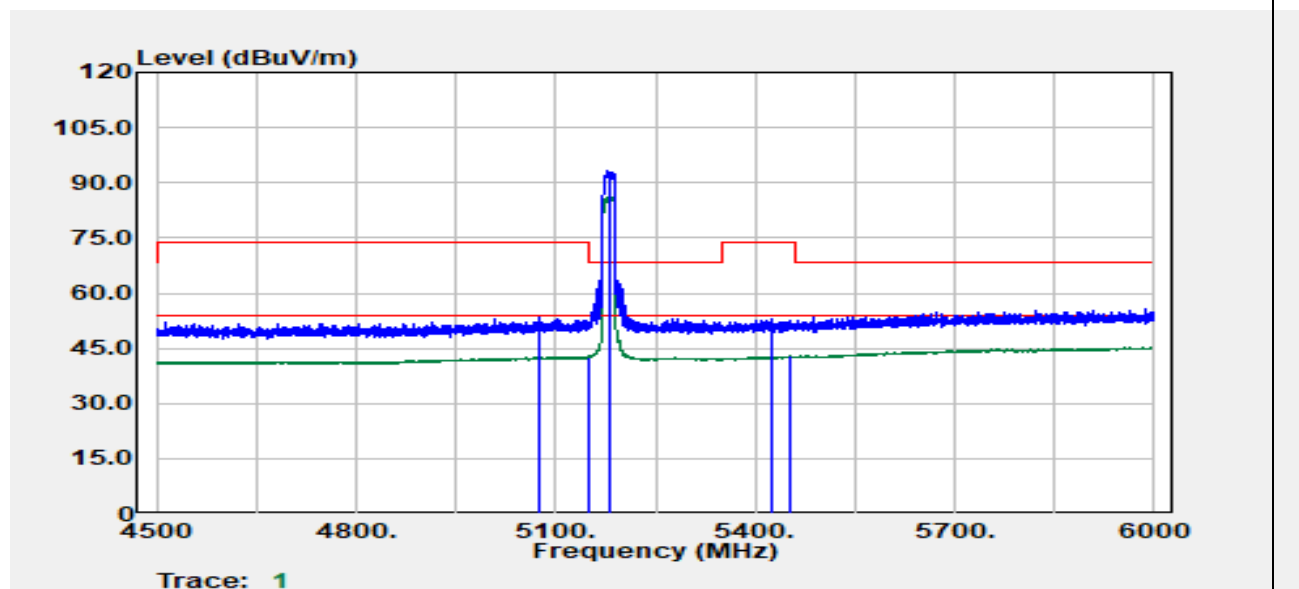


### 4.1.4 Test Result

#### Band Edge Test Data

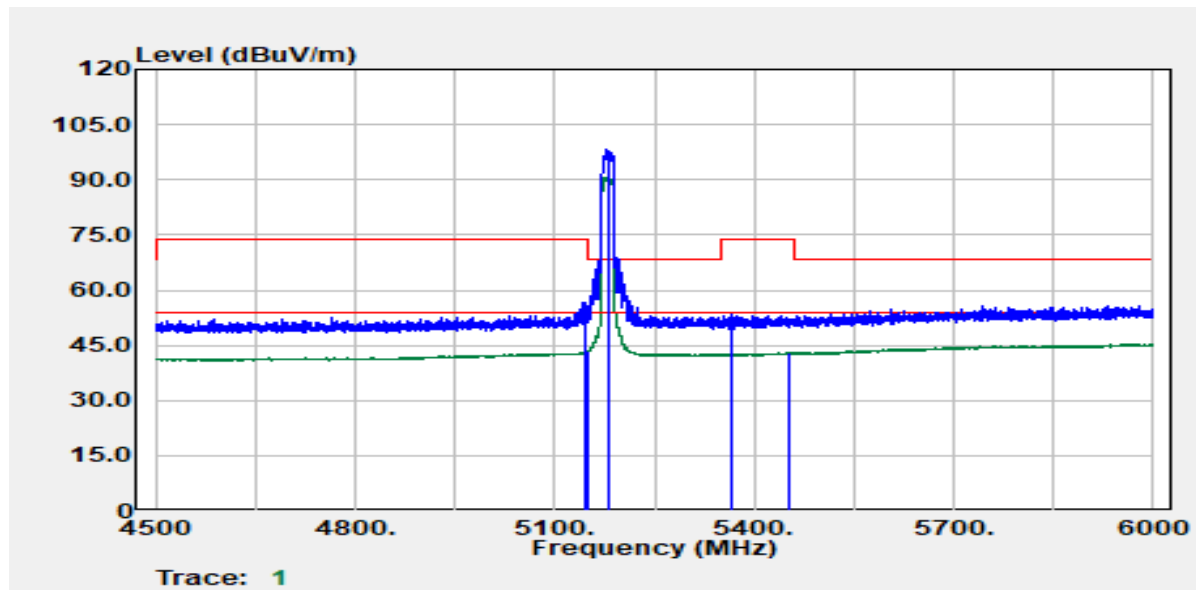
##### Test Data for UNII-1

Test Mode	IEEE 802.11a / 5180MHz	Temp/Hum	24.5(°C)/ 62%RH
Test Item	Band Edge	Test Date	November 1, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak / Average		



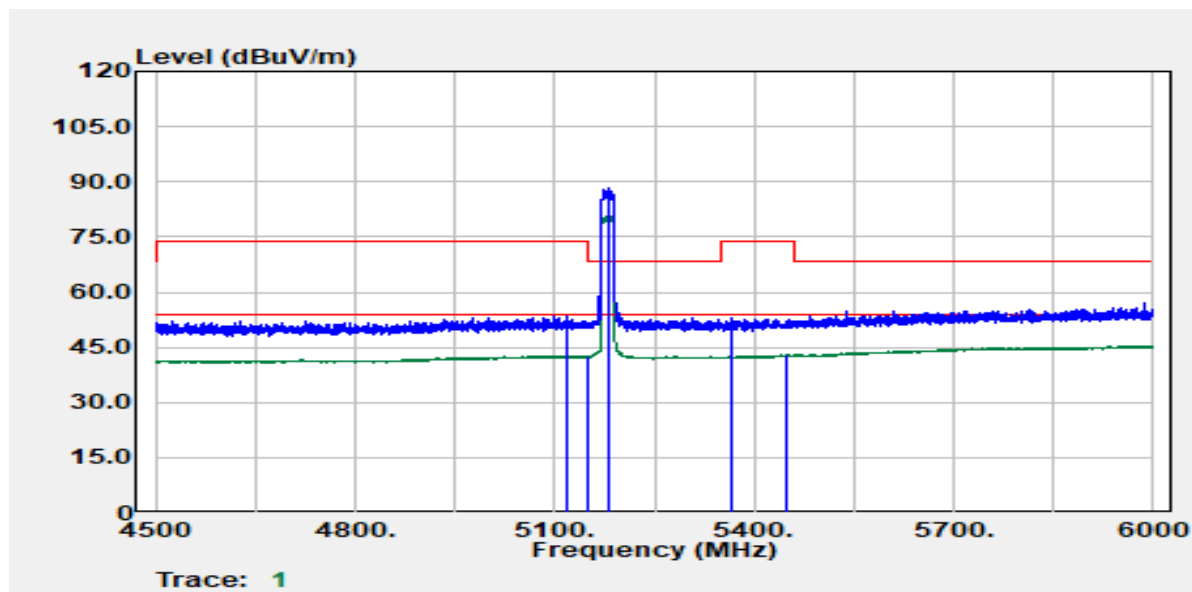
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5074.80	Peak	36.78	16.74	53.52	74.00	-20.48
5149.20	Average	25.69	16.91	42.60	54.00	-11.40
5180.00	Peak	76.35	17.00	93.35	--	--
5180.00	Average	69.28	17.00	86.28	--	--
5423.40	Peak	35.62	17.40	53.03	74.00	-20.97
5451.00	Average	25.35	17.49	42.84	54.00	-11.16

Test Mode	IEEE 802.11a / 5180MHz	Temp/Hum	25.2(°C)/ 61%RH
Test Item	Band Edge	Test Date	October 26, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak / Average		



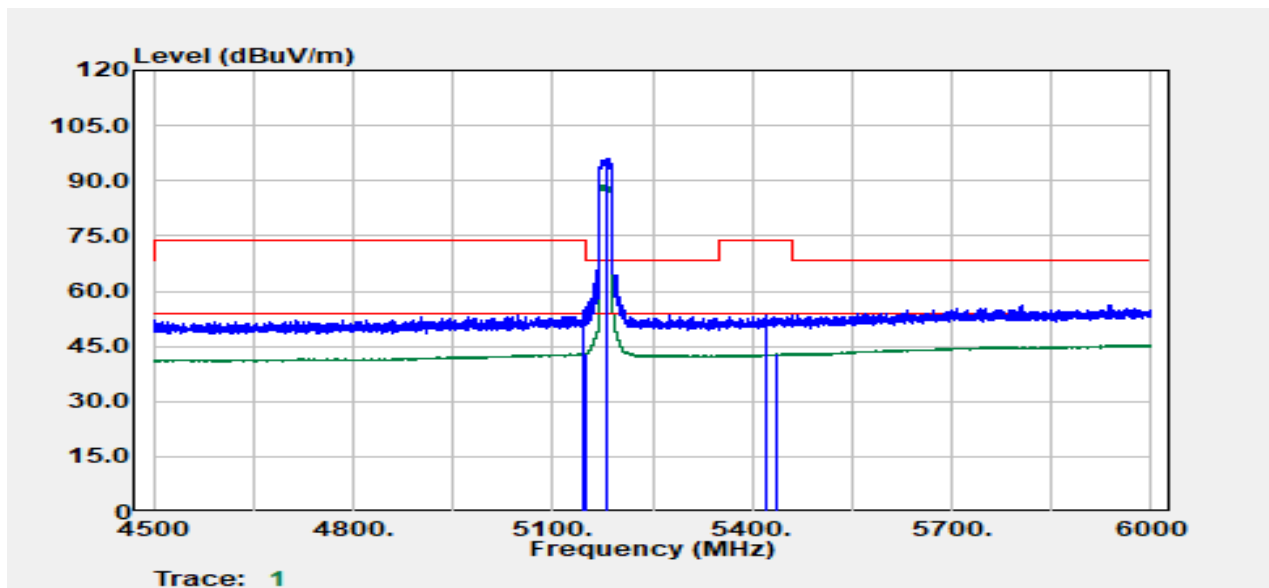
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5147.10	Peak	39.62	16.91	56.53	74.00	-17.47
5149.80	Average	26.60	16.91	43.51	54.00	-10.49
5180.00	Peak	81.12	17.00	98.12	--	--
5180.00	Average	73.49	17.00	90.49	--	--
5365.20	Peak	36.27	17.26	53.53	74.00	-20.47
5451.60	Average	25.43	17.49	42.92	54.00	-11.08

Test Mode	IEEE 802.11n 20 MHz / 5180MHz	Temp/Hum	25.2(°C)/ 61%RH
Test Item	Band Edge	Test Date	October 26, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak / Average		



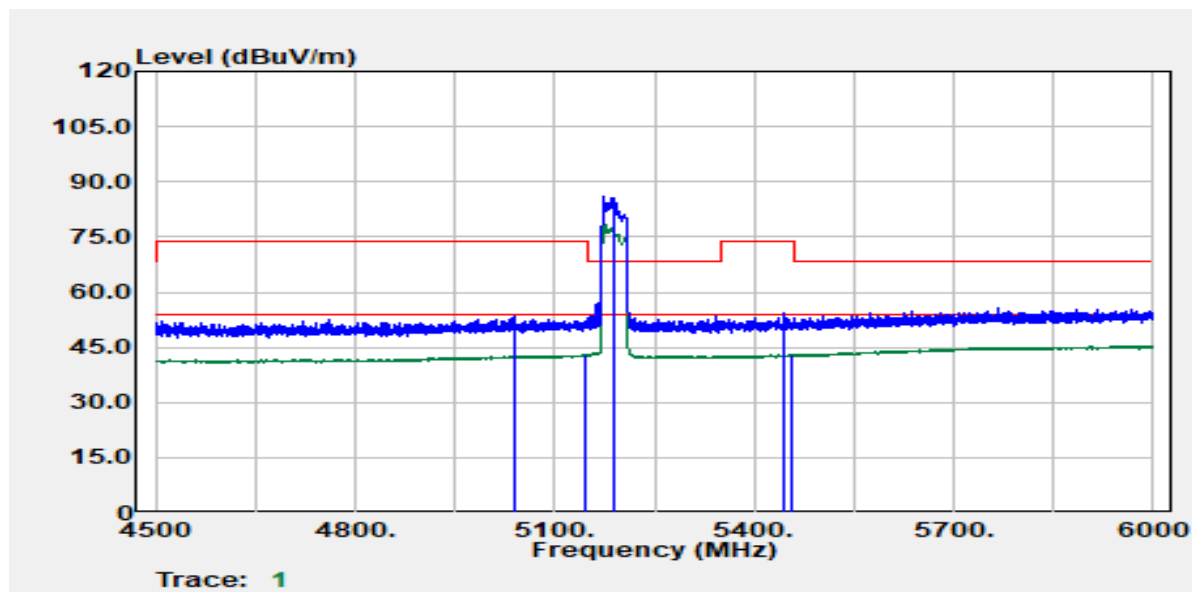
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5118.00	Peak	36.48	16.89	53.37	74.00	-20.63
5149.80	Average	25.72	16.91	42.63	54.00	-11.37
5180.00	Peak	71.49	17.00	88.49	--	--
5180.00	Average	63.70	17.00	80.70	--	--
5366.70	Peak	35.56	17.26	52.83	74.00	-21.17
5449.20	Average	25.35	17.49	42.84	54.00	-11.16

Test Mode	IEEE 802.11n 20 MHz / 5180MHz	Temp/Hum	25.2(°C)/ 61%RH
Test Item	Band Edge	Test Date	October 26, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak / Average		



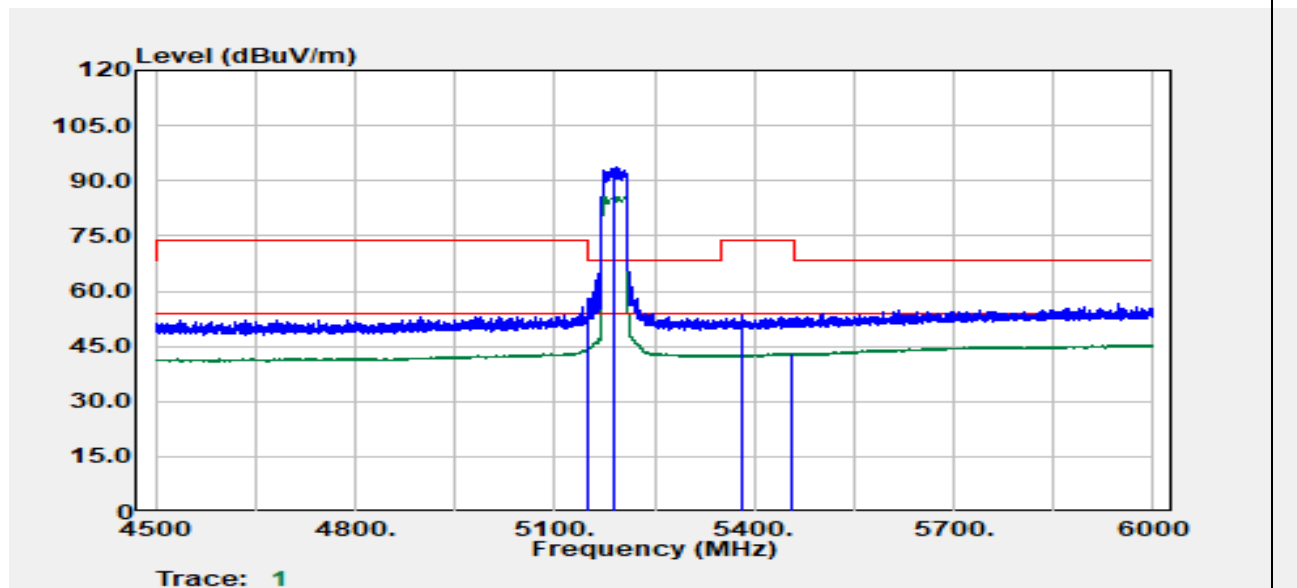
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5144.40	Peak	37.81	16.91	54.72	74.00	-19.28
5149.80	Average	26.20	16.91	43.11	54.00	-10.89
5180.00	Peak	79.18	17.00	96.18	--	--
5180.00	Average	71.78	17.00	88.78	--	--
5419.50	Peak	35.94	17.39	53.34	74.00	-20.66
5438.10	Average	25.46	17.45	42.92	54.00	-11.08

Test Mode	IEEE 802.11n 40 MHz / 5190MHz	Temp/Hum	24.5(°C)/ 62%RH
Test Item	Band Edge	Test Date	November 1, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak / Average		



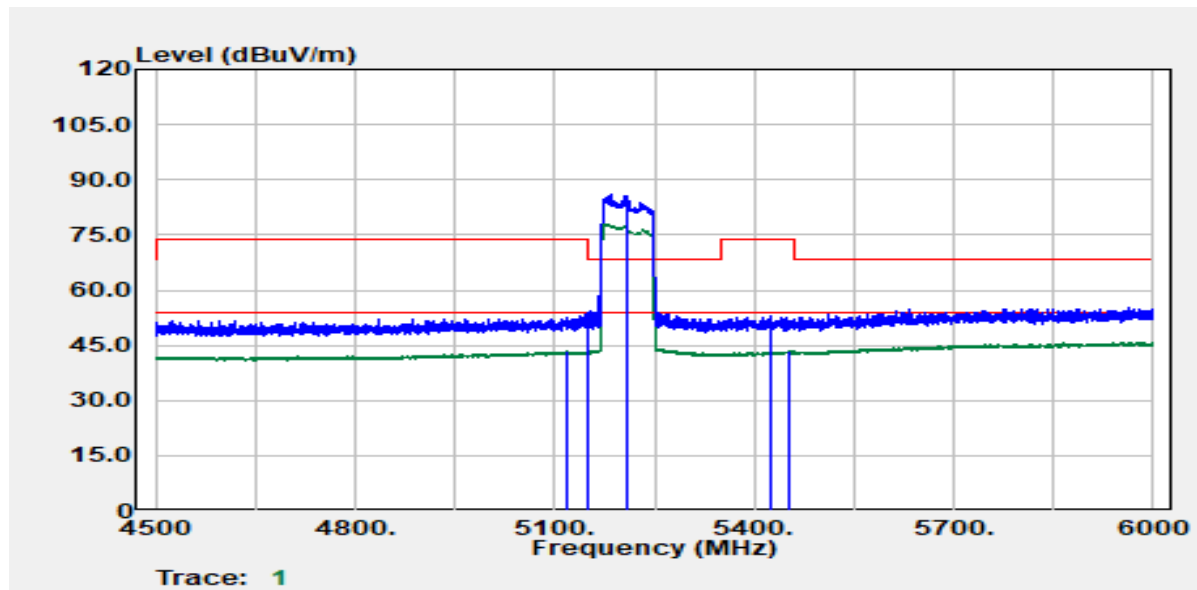
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5040.90	Peak	36.99	16.53	53.52	74.00	-20.48
5145.00	Average	26.10	16.91	43.01	54.00	-10.99
5190.00	Peak	68.81	17.03	85.84	--	--
5190.00	Average	61.50	17.03	78.53	--	--
5444.10	Peak	36.74	17.47	54.21	74.00	-19.79
5454.60	Average	25.65	17.49	43.14	54.00	-10.86

Test Mode	IEEE 802.11n 40 MHz / 5190MHz	Temp/Hum	25.2(°C)/ 61%RH
Test Item	Band Edge	Test Date	October 26, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak / Average		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
5148.00	Average	27.36	16.91	44.27	54.00	-9.73
5148.90	Peak	41.07	16.91	57.98	74.00	-16.02
5190.00	Peak	76.67	17.03	93.70	--	--
5190.00	Average	68.80	17.03	85.83	--	--
5382.90	Peak	36.13	17.30	53.42	74.00	-20.58
5457.90	Average	25.52	17.48	43.00	54.00	-11.00

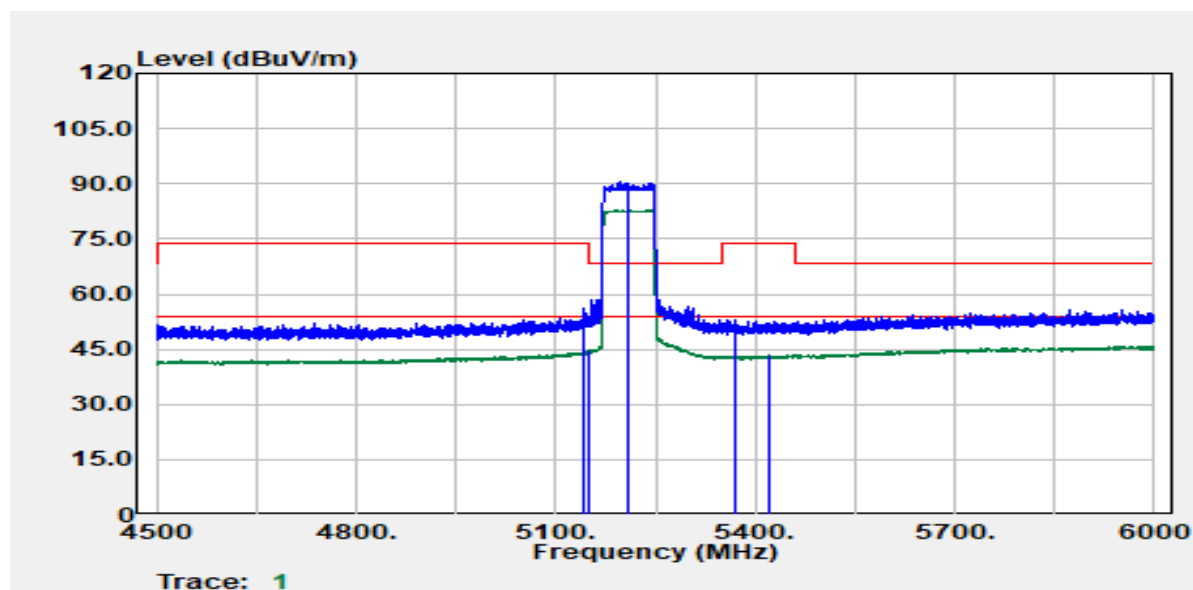
Test Mode	IEEE 802.11ac VHT80 / 5210MHz	Temp/Hum	25.2(°C)/ 61%RH
Test Item	Band Edge	Test Date	October 26, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak / Average		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5117.70	Average	26.39	16.89	43.28	54.00	-10.72
5149.50	Peak	36.85	16.91	53.76	74.00	-20.24
5210.00	Peak	68.81	17.07	85.88	--	--
5210.00	Average	60.81	17.07	77.87	--	--
5426.40	Peak	35.49	17.41	52.91	74.00	-21.09
5452.50	Average	25.91	17.49	43.40	54.00	-10.60



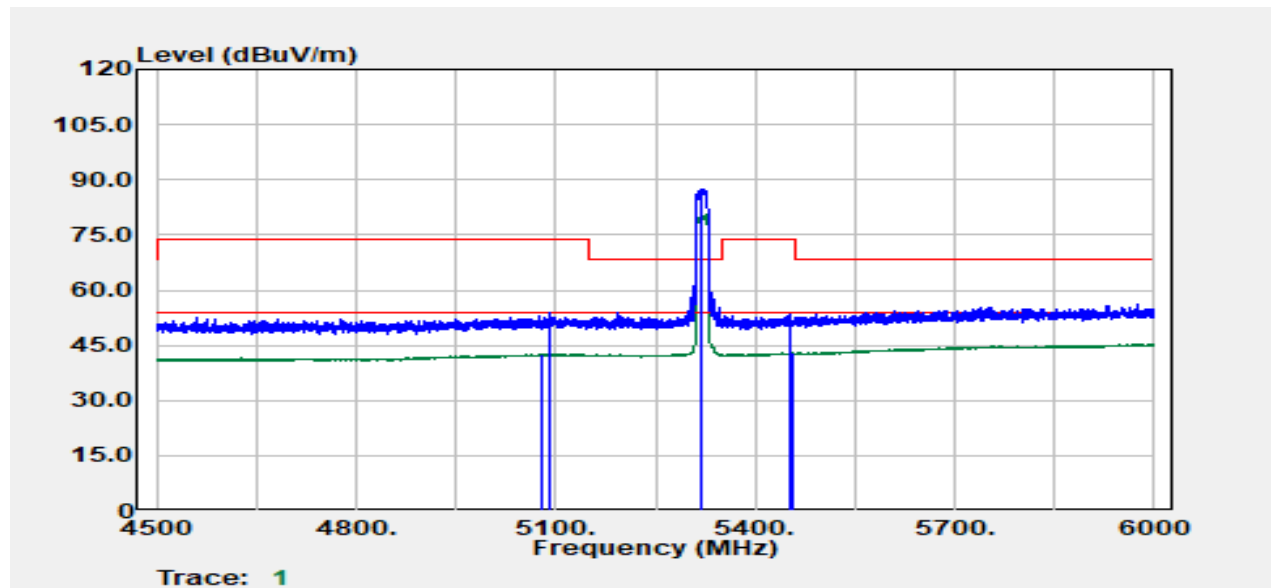
Test Mode	I EEE 802.11ac VHT80 / 5210MHz	Temp/Hum	25.2(°C)/ 61%RH
Test Item	Band Edge	Test Date	October 27, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak / Average		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5141.40	Peak	39.14	16.90	56.05	74.00	-17.95
5148.90	Average	27.86	16.91	44.77	54.00	-9.23
5210.00	Peak	73.71	17.07	90.78	--	--
5210.00	Average	65.68	17.07	82.74	--	--
5369.70	Peak	35.64	17.27	52.91	74.00	-21.09
5421.60	Average	26.11	17.40	43.50	54.00	-10.50

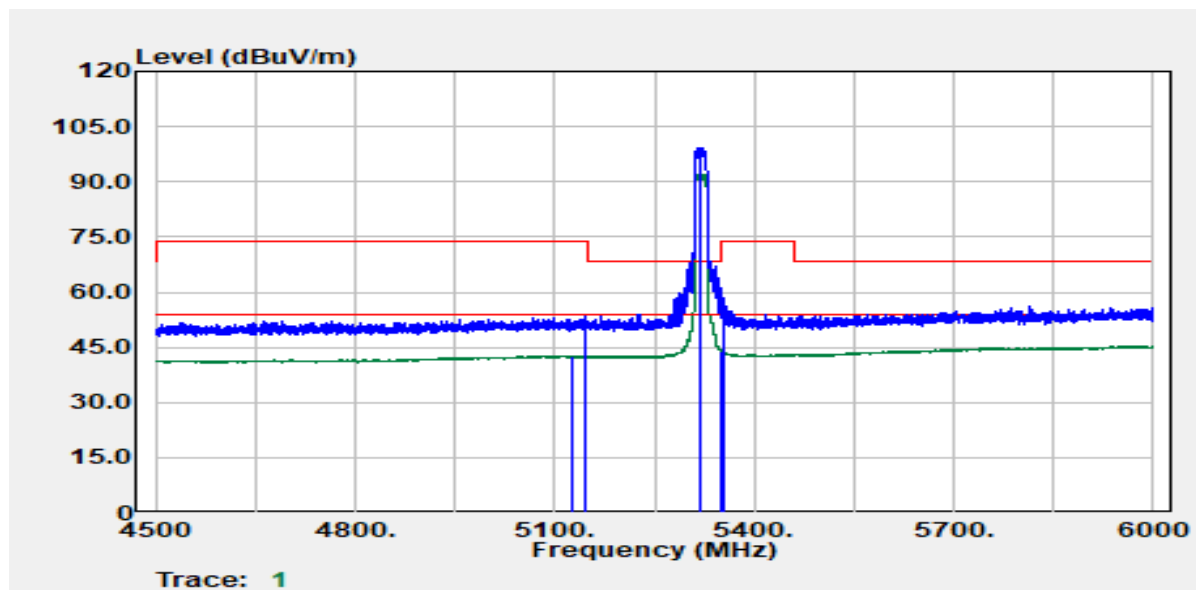
**Test Data for UNII-2a**

Test Mode	IEEE 802.11a / 5320 MHz	Temp/Hum	24.5(°C)/ 62%RH
Test Item	Band Edge	Test Date	November 1, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak / Average		



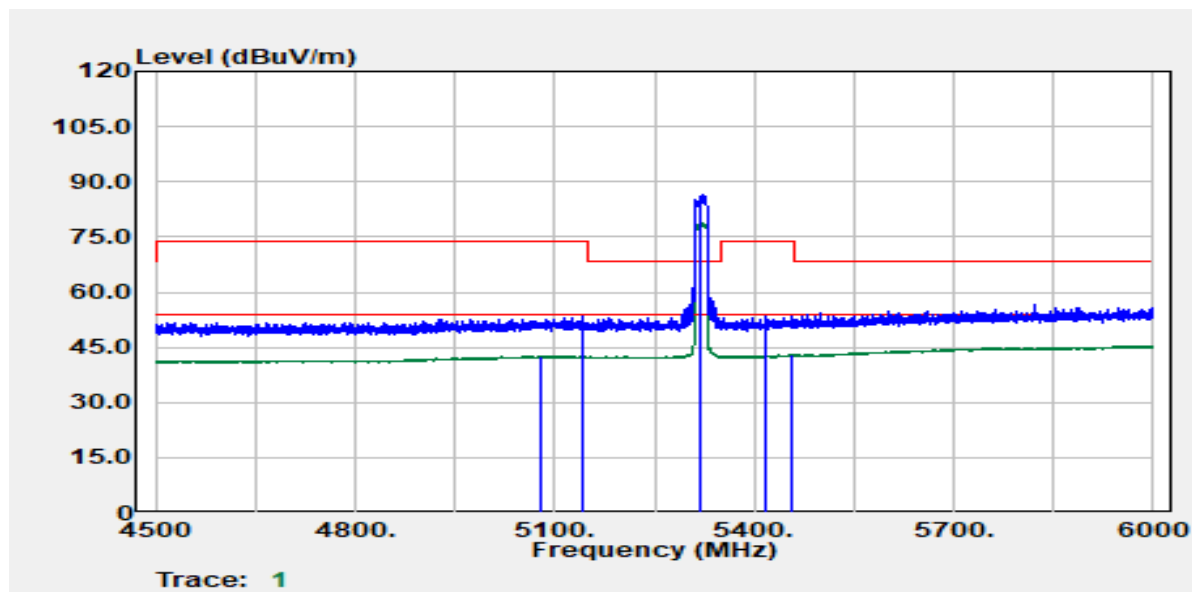
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5080.50	Average	25.79	16.77	42.56	54.00	-11.44
5089.80	Peak	36.89	16.82	53.72	74.00	-20.28
5320.00	Peak	70.25	17.27	87.52	--	--
5320.00	Average	63.47	17.27	80.74	--	--
5450.70	Peak	36.07	17.49	53.56	74.00	-20.44
5457.30	Average	25.35	17.48	42.83	54.00	-11.17

Test Mode	IEEE 802.11a / 5320 MHz	Temp/Hum	25.2(°C)/ 61%RH
Test Item	Band Edge	Test Date	October 26, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak / Average		



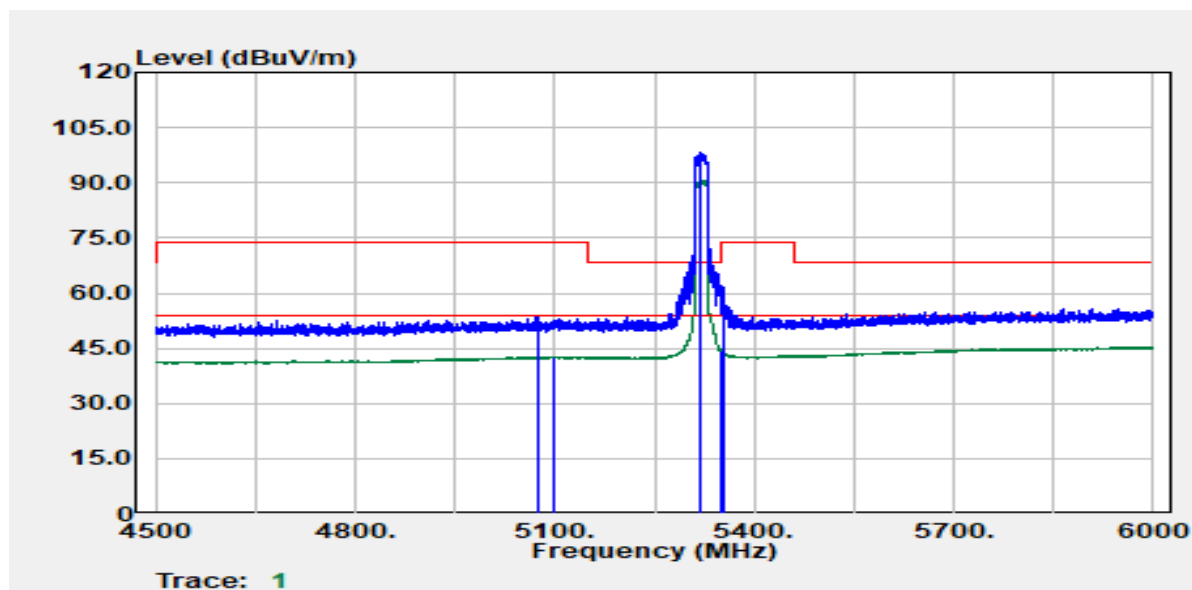
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5125.50	Average	25.72	16.90	42.62	54.00	-11.38
5144.10	Peak	36.56	16.91	53.47	74.00	-20.53
5320.00	Peak	81.79	17.27	99.05	--	--
5320.00	Average	74.84	17.27	92.11	--	--
5350.20	Average	26.72	17.23	43.95	54.00	-10.05
5355.30	Peak	41.29	17.24	58.53	74.00	-15.47

Test Mode	IEEE 802.11n 20 MHz / 5320MHz	Temp/Hum	25.2(°C)/ 61%RH
Test Item	Band Edge	Test Date	October 26, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak / Average		



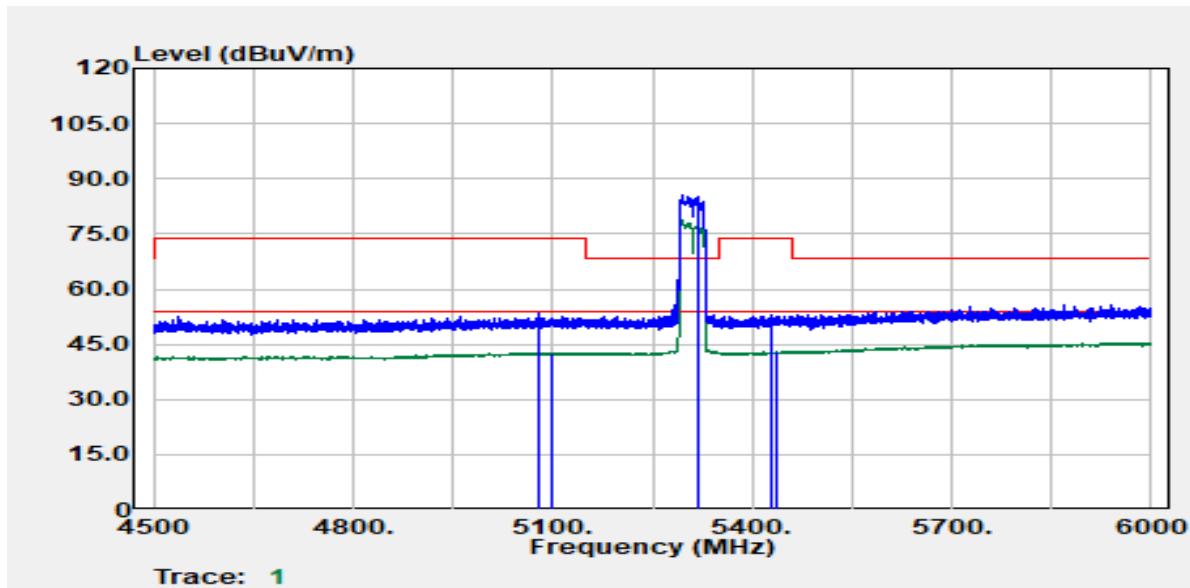
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5079.00	Average	25.81	16.76	42.57	54.00	-11.43
5140.80	Peak	36.39	16.90	53.30	74.00	-20.70
5320.00	Peak	69.13	17.27	86.39	--	--
5320.00	Average	61.46	17.27	78.72	--	--
5415.90	Peak	36.03	17.38	53.41	74.00	-20.59
5457.30	Average	25.37	17.48	42.85	54.00	-11.15

Test Mode	IEEE 802.11n 20 MHz / 5320MHz	Temp/Hum	25.2(°C)/ 61%RH
Test Item	Band Edge	Test Date	October 26, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak / Average		



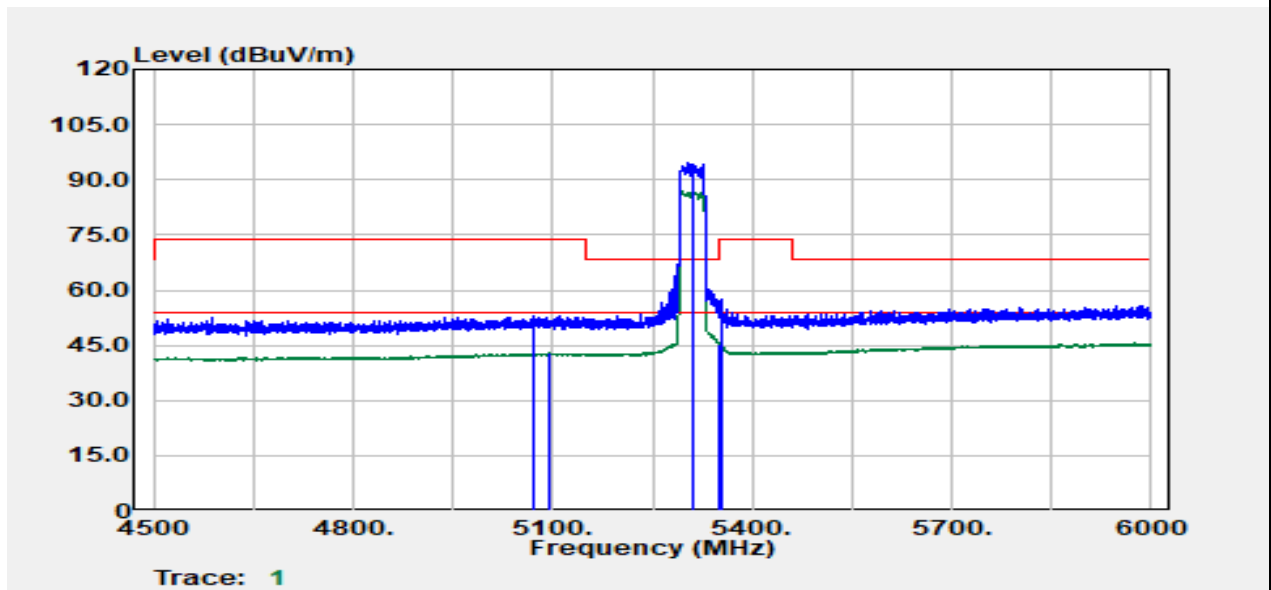
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5073.60	Peak	36.57	16.73	53.30	74.00	-20.70
5097.60	Average	25.82	16.87	42.69	54.00	-11.31
5320.00	Peak	80.84	17.27	98.11	--	--
5320.00	Average	73.49	17.27	90.76	--	--
5351.40	Average	27.02	17.23	44.25	54.00	-9.75
5354.70	Peak	44.54	17.24	61.78	74.00	-12.22

Test Mode	IEEE 802.11n 40 MHz / 5310MHz	Temp/Hum	24.5(°C)/ 62%RH
Test Item	Band Edge	Test Date	November 1, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak / Average		



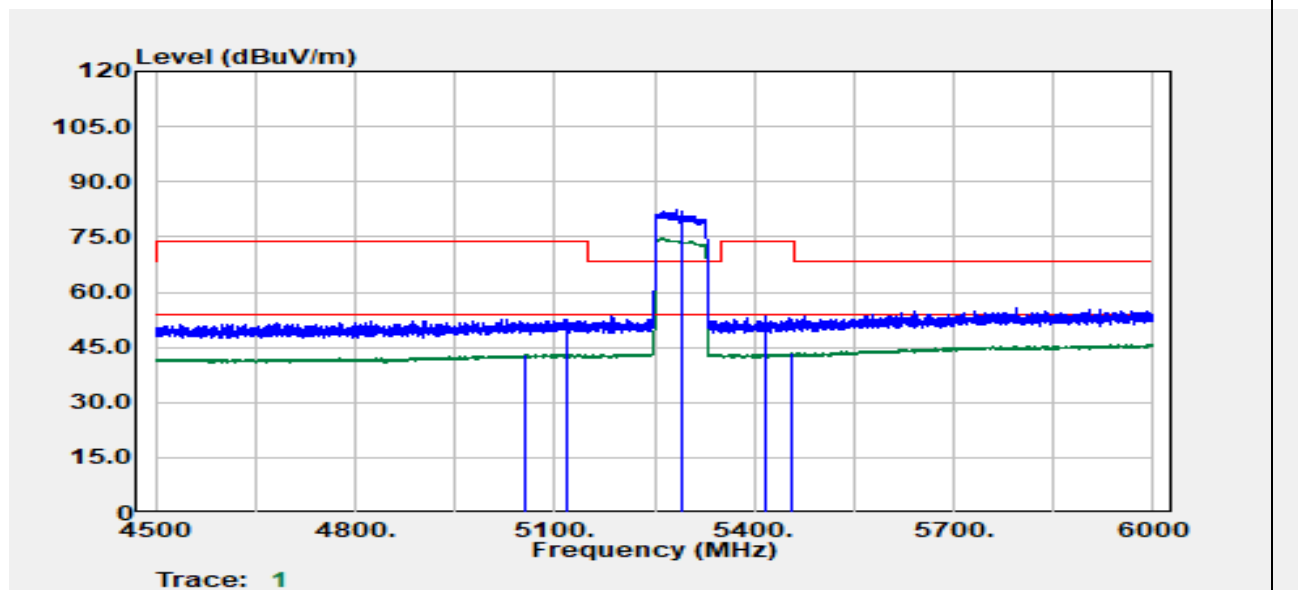
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5080.20	Peak	36.53	16.77	53.30	74.00	-20.70
5097.00	Average	25.87	16.86	42.73	54.00	-11.27
5320.00	Peak	68.31	17.27	85.57	--	--
5320.00	Average	61.31	17.27	78.57	--	--
5429.10	Peak	35.71	17.42	53.13	74.00	-20.87
5435.40	Average	25.56	17.44	43.00	54.00	-11.00

Test Mode	IEEE 802.11n 40 MHz / 5310MHz	Temp/Hum	25.2(°C)/ 61%RH
Test Item	Band Edge	Test Date	October 26, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak / Average		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5072.10	Peak	36.27	16.72	52.99	74.00	-21.01
5094.60	Average	25.97	16.85	42.82	54.00	-11.18
5310.00	Peak	77.46	17.28	94.73	--	--
5310.00	Average	69.62	17.28	86.90	--	--
5350.20	Average	28.12	17.23	45.35	54.00	-8.65
5355.30	Peak	40.27	17.24	57.51	74.00	-16.49

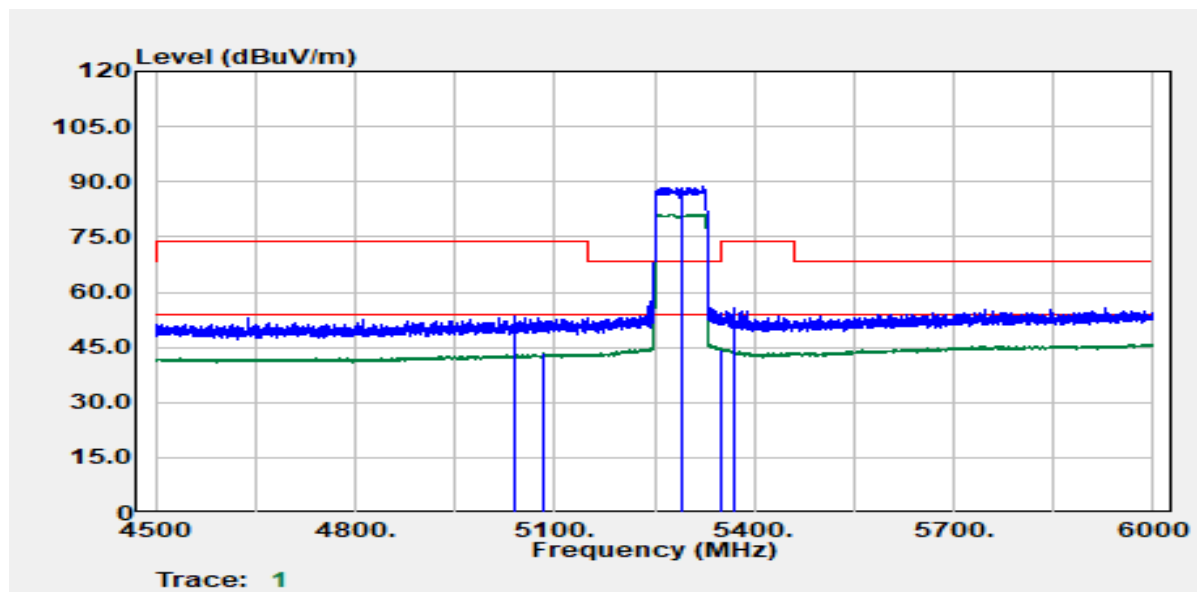
Test Mode	IEEE 802.11ac VHT80 / 5290MHz	Temp/Hum	25.2(°C)/ 61%RH
Test Item	Band Edge	Test Date	October 27, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak / Average		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5054.40	Average	26.48	16.62	43.10	54.00	-10.90
5116.50	Peak	35.66	16.89	52.55	74.00	-21.45
5290.00	Peak	65.04	17.25	82.29	--	--
5290.00	Average	57.41	17.25	74.66	--	--
5415.90	Peak	35.86	17.38	53.24	74.00	-20.76
5454.60	Average	25.85	17.49	43.34	54.00	-10.66



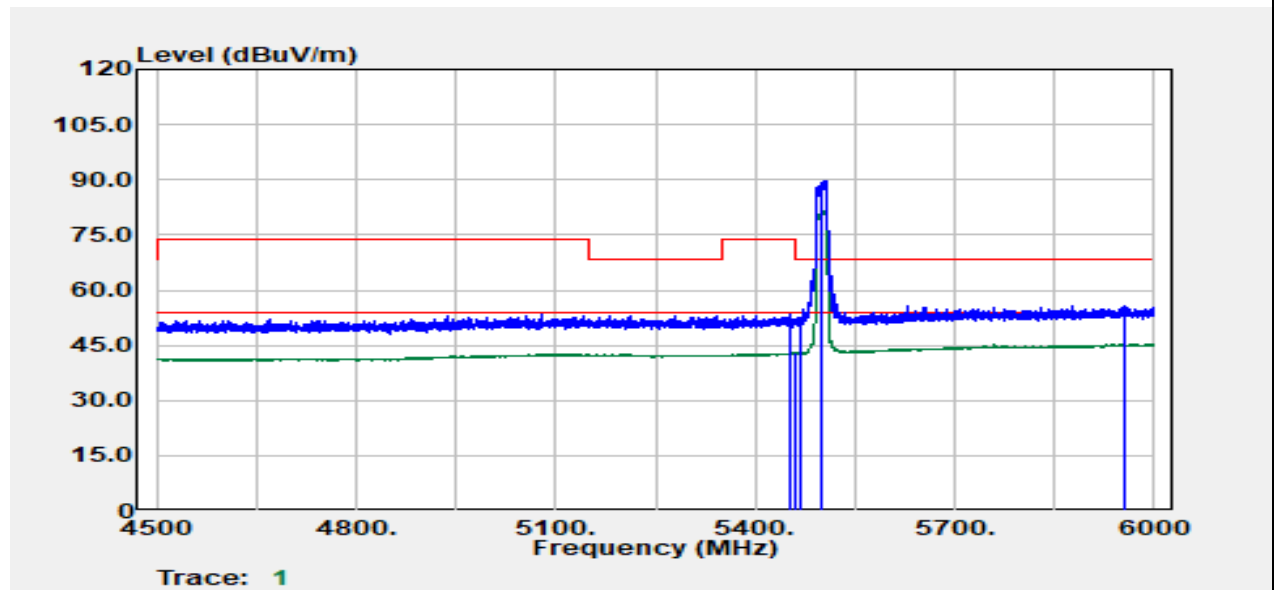
Test Mode	IEEE 802.11ac VHT80 / 5290MHz	Temp/Hum	25.2(°C)/ 61%RH
Test Item	Band Edge	Test Date	October 27, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak / Average		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
5041.50	Peak	36.83	16.54	53.37	74.00	-20.63
5084.70	Average	26.65	16.79	43.45	54.00	-10.55
5290.00	Peak	71.44	17.25	88.70	--	--
5290.00	Average	63.94	17.25	81.19	--	--
5350.50	Average	27.34	17.23	44.57	54.00	-9.43
5368.20	Peak	38.33	17.27	55.59	74.00	-18.41

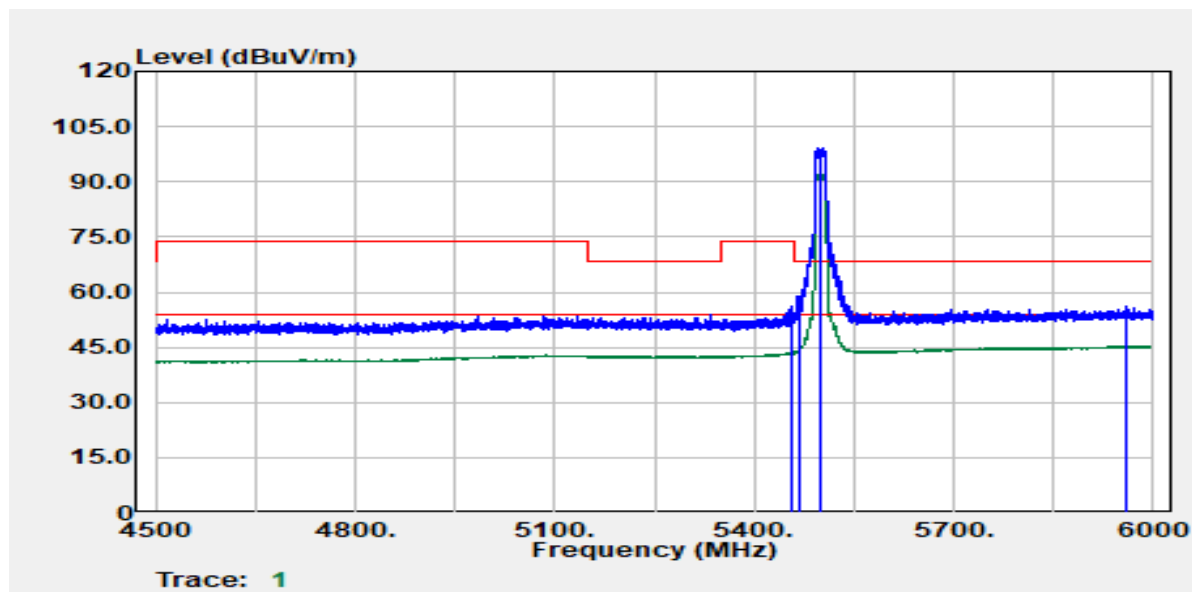
**Test Data for UNII-2c**

Test Mode	IEEE 802.11a / 5500MHz	Temp/Hum	25.2(°C)/ 61%RH
Test Item	Band Edge	Test Date	October 26, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak / Average		



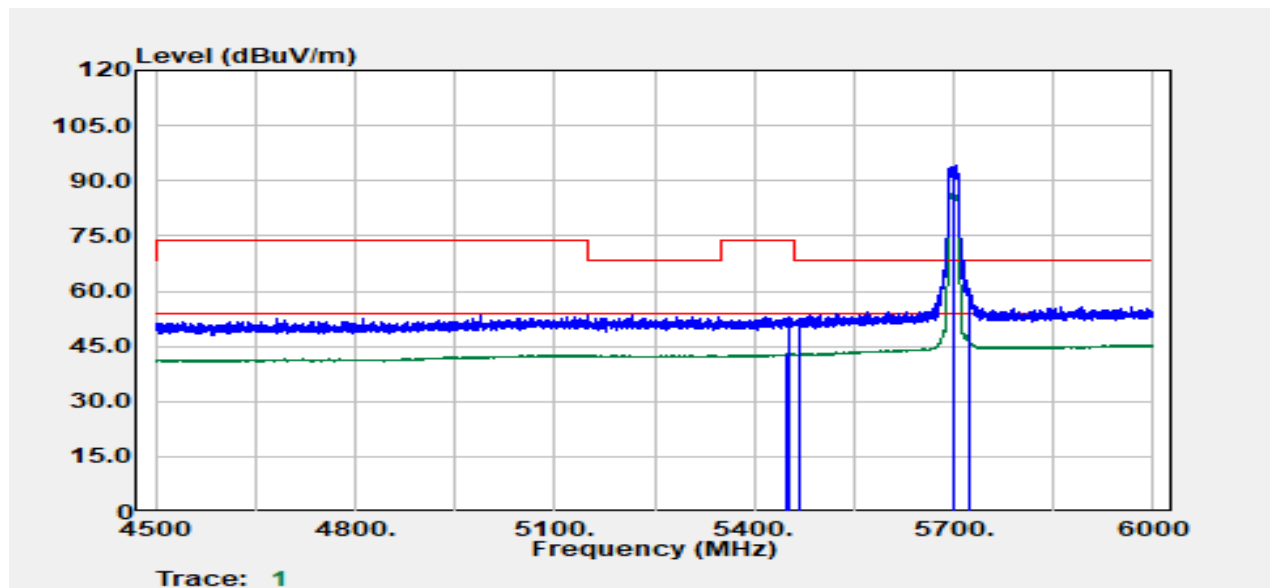
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5451.90	Peak	36.04	17.49	53.53	74.00	-20.47
5459.40	Average	25.36	17.48	42.84	54.00	-11.16
5469.60	Peak	35.13	17.47	52.60	68.20	-15.60
5500.00	Peak	72.12	17.45	89.57	--	--
5500.00	Average	65.02	17.45	82.47	--	--
5956.20	Peak	36.50	19.03	55.53	68.20	-12.67

Test Mode	IEEE 802.11a / 5500MHz	Temp/Hum	25.2(°C)/ 61%RH
Test Item	Band Edge	Test Date	October 26, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak / Average		



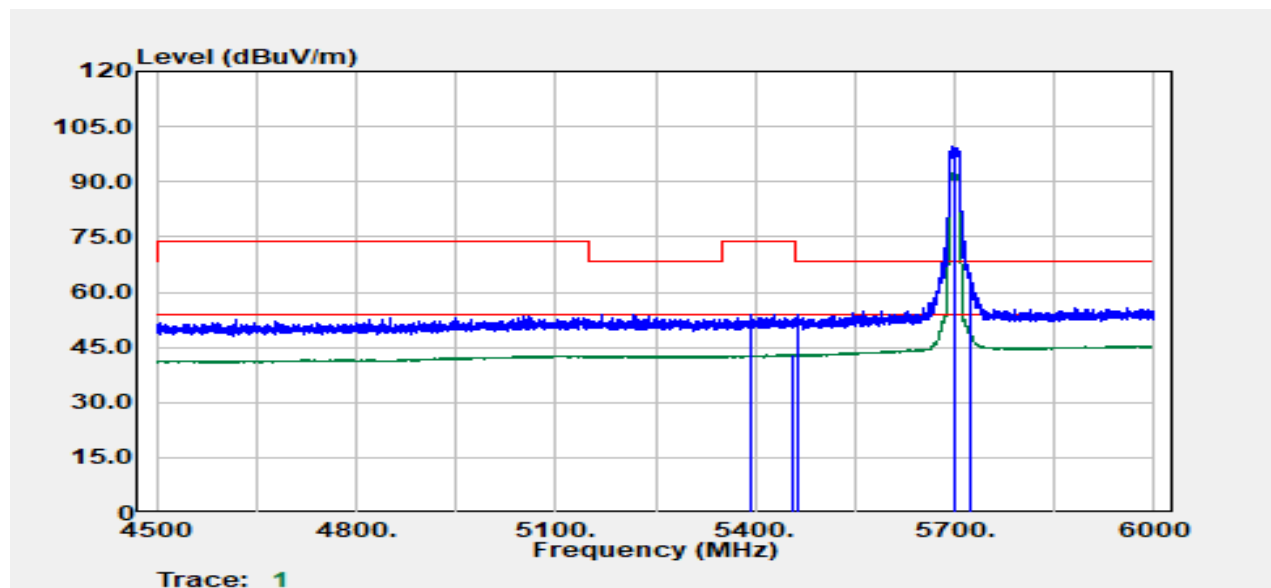
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5457.60	Average	25.98	17.48	43.46	54.00	-10.54
5457.90	Peak	38.63	17.48	56.11	74.00	-17.89
5467.50	Peak	41.41	17.48	58.89	68.20	-9.31
5500.00	Peak	81.94	17.45	99.39	--	--
5500.00	Average	74.53	17.45	91.98	--	--
5958.30	Peak	36.96	19.03	55.99	68.20	-12.21

Test Mode	IEEE 802.11a / 5700 MHz	Temp/Hum	25.2(°C)/ 61%RH
Test Item	Band Edge	Test Date	October 26, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



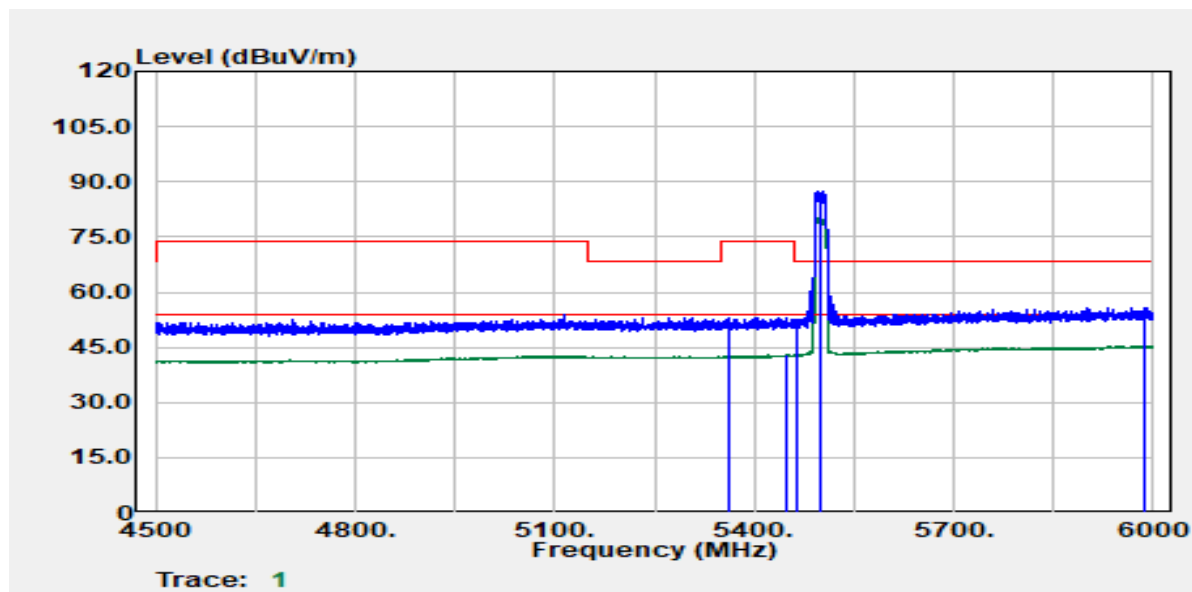
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5449.80	Average	25.45	17.49	42.94	54.00	-11.06
5453.40	Peak	35.53	17.49	53.02	74.00	-20.98
5469.60	Peak	34.99	17.47	52.46	68.20	-15.74
5700.00	Peak	75.66	18.51	94.17	--	--
5700.00	Average	67.98	18.51	86.49	--	--
5725.20	Peak	40.20	18.71	58.91	68.20	-9.29

Test Mode	IEEE 802.11a / 5700 MHz	Temp/Hum	25.2(°C)/ 61%RH
Test Item	Band Edge	Test Date	October 26, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



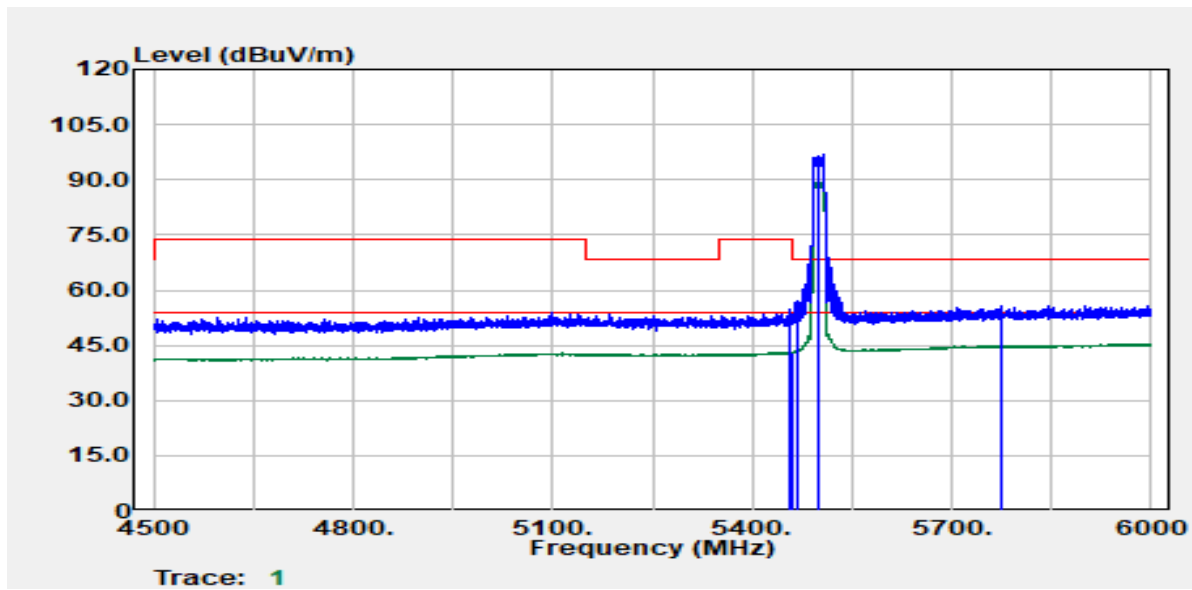
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dμV	Factor dB	Actual FS dμV/m	Limit @3m dμV/m	Margin dB
5395.20	Peak	36.62	17.32	53.94	74.00	-20.06
5455.80	Average	25.53	17.49	43.02	54.00	-10.98
5465.10	Peak	36.24	17.48	53.72	68.20	-14.48
5700.00	Peak	81.18	18.51	99.69	--	--
5700.00	Average	73.71	18.51	92.22	--	--
5725.20	Peak	44.80	18.71	63.52	68.20	-4.68

Test Mode	IEEE 802.11n 20 MHz / 5500MHz	Temp/Hum	24.5(°C)/ 62%RH
Test Item	Band Edge	Test Date	November 1, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak / Average		



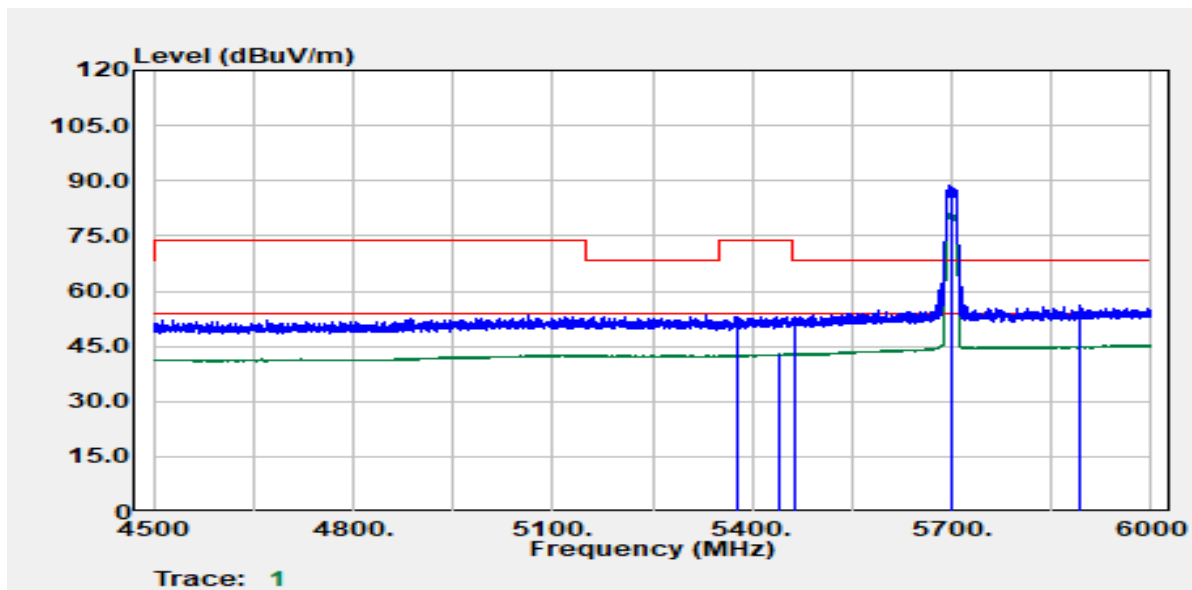
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5362.80	Peak	35.91	17.26	53.16	74.00	-20.84
5450.10	Average	25.36	17.49	42.85	54.00	-11.15
5464.20	Peak	35.12	17.48	52.59	68.20	-15.61
5500.00	Peak	70.07	17.45	87.52	--	--
5500.00	Average	62.99	17.45	80.44	--	--
5987.40	Peak	36.82	19.06	55.88	68.20	-12.32

Test Mode	IEEE 802.11n 20 MHz / 5500MHz	Temp/Hum	25.2(°C)/ 61%RH
Test Item	Band Edge	Test Date	October 26, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak / Average		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5457.60	Peak	37.46	17.48	54.94	74.00	-19.06
5458.80	Average	25.75	17.48	43.23	54.00	-10.77
5468.10	Peak	39.41	17.48	56.89	68.20	-11.31
5500.00	Peak	79.44	17.45	96.89	--	--
5500.00	Average	71.89	17.45	89.34	--	--
5775.90	Peak	36.91	18.88	55.78	68.20	-12.42

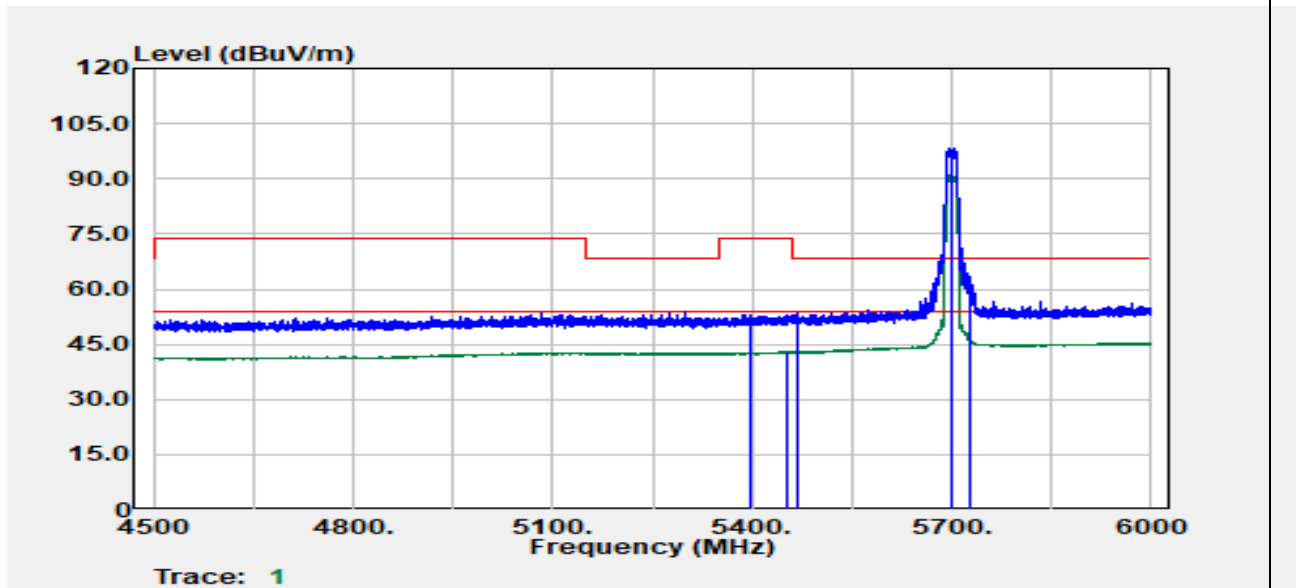
Test Mode	IEEE 802.11n 20 MHz / 5700 MHz	Temperature	24.5(°C)/ 62%RH
Test Item	Band Edge	Test Date	November 1, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5377.20	Peak	35.92	17.28	53.20	74.00	-20.80
5439.60	Average	25.46	17.46	42.92	54.00	-11.08
5465.70	Peak	35.40	17.48	52.88	68.20	-15.32
5700.00	Peak	70.20	18.51	88.71	--	--
5700.00	Average	62.75	18.51	81.26	--	--
5891.10	Peak	37.33	18.93	56.27	68.20	-11.93

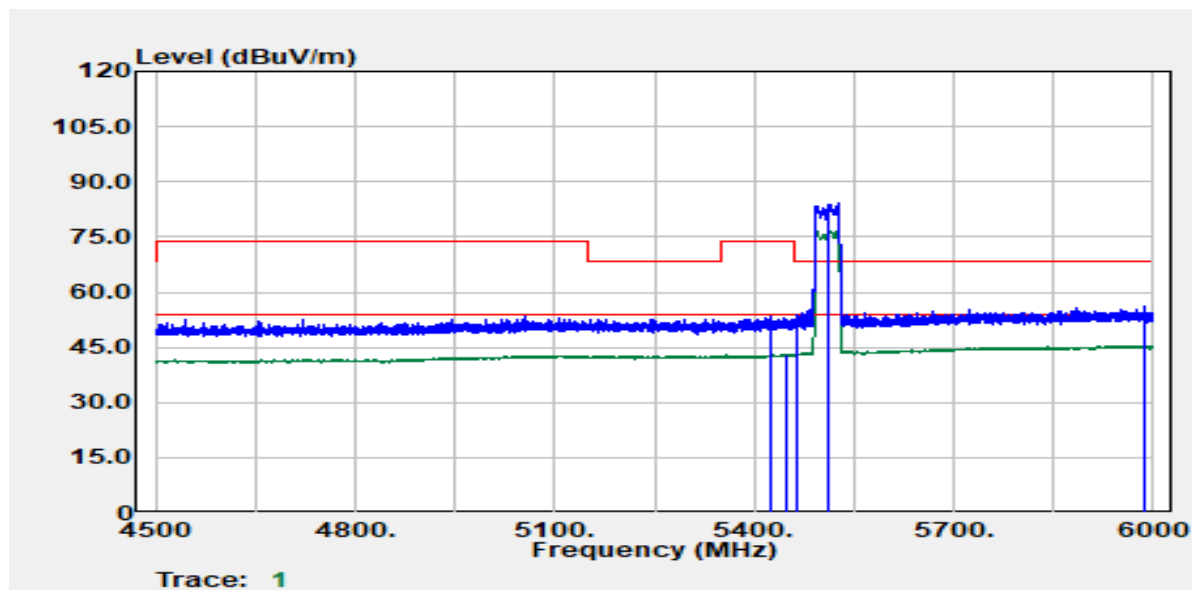


Test Mode	IEEE 802.11n 20 MHz / 5700 MHz	Temperature	25.2(°C)/ 61%RH
Test Item	Band Edge	Test Date	October 26, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



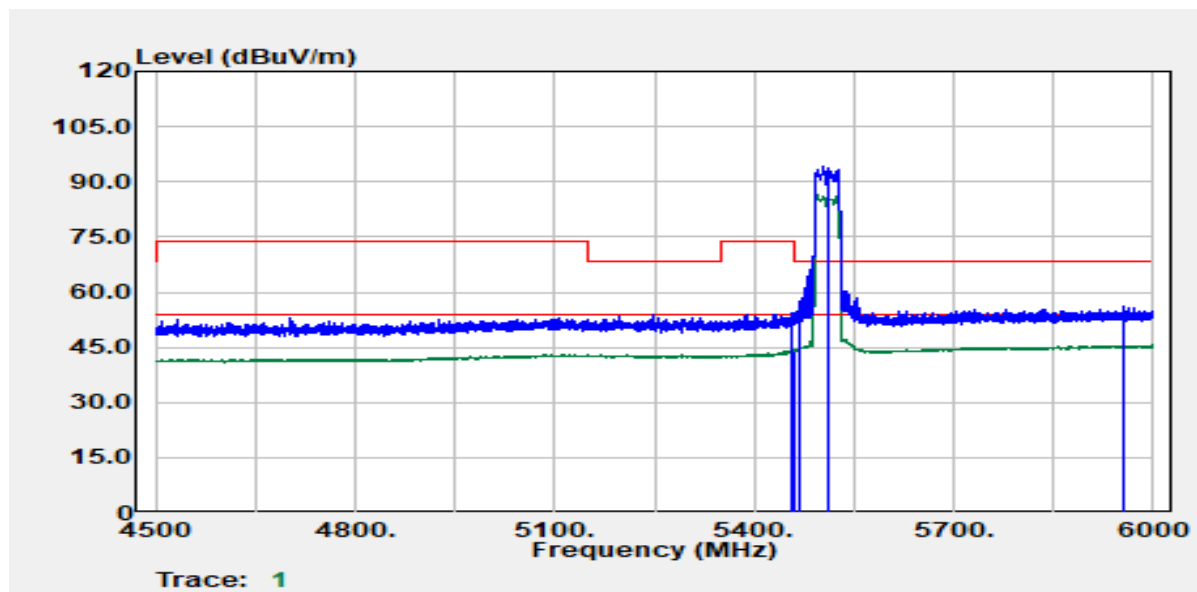
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
5398.50	Peak	35.76	17.33	53.08	74.00	-20.92
5452.20	Average	25.49	17.49	42.98	54.00	-11.02
5466.30	Peak	35.99	17.48	53.47	68.20	-14.73
5700.00	Peak	79.98	18.51	98.49	--	--
5700.00	Average	72.49	18.51	91.00	--	--
5726.70	Peak	44.85	18.72	63.57	68.20	-4.63

Test Mode	IEEE 802.11n 40 MHz / 5510 MHz	Temp/Hum	24.5(°C)/ 62%RH
Test Item	Band Edge	Test Date	November 1, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak / Average		



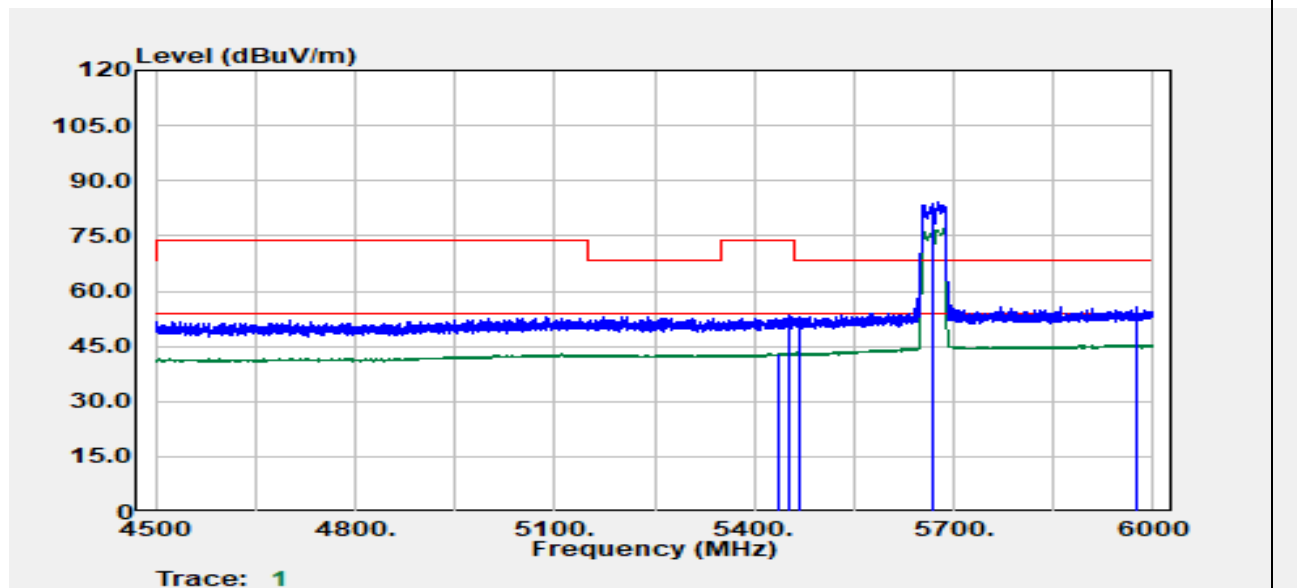
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5425.20	Peak	36.13	17.41	53.54	74.00	-20.46
5450.10	Average	25.55	17.49	43.04	54.00	-10.96
5466.00	Peak	36.36	17.48	53.84	68.20	-14.36
5510.00	Peak	66.49	17.51	84.00	--	--
5510.00	Average	59.02	17.51	76.54	--	--
5985.90	Peak	37.30	19.06	56.36	68.20	-11.84

Test Mode	IEEE 802.11n 40 MHz / 5510 MHz	Temp/Hum	25.2(°C)/ 61%RH
Test Item	Band Edge	Test Date	October 26, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak / Average		



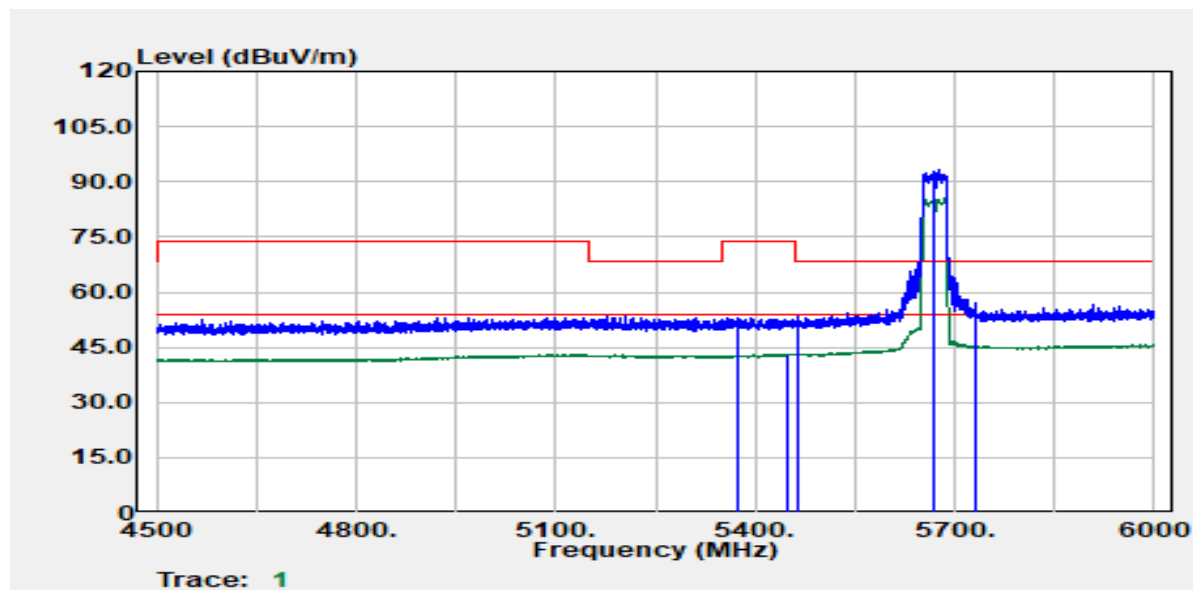
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5457.00	Peak	36.76	17.48	54.25	74.00	-19.75
5460.00	Average	26.63	17.48	44.11	54.00	-9.89
5469.60	Peak	39.90	17.47	57.37	68.20	-10.83
5510.00	Peak	76.89	17.51	94.40	--	--
5510.00	Average	69.16	17.51	86.67	--	--
5954.40	Peak	37.07	19.03	56.09	68.20	-12.11

Test Mode	IEEE 802.11n 40 MHz / 5670 MHz	Temp/Hum	24.5(°C)/ 62%RH
Test Item	Band Edge	Test Date	November 1, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



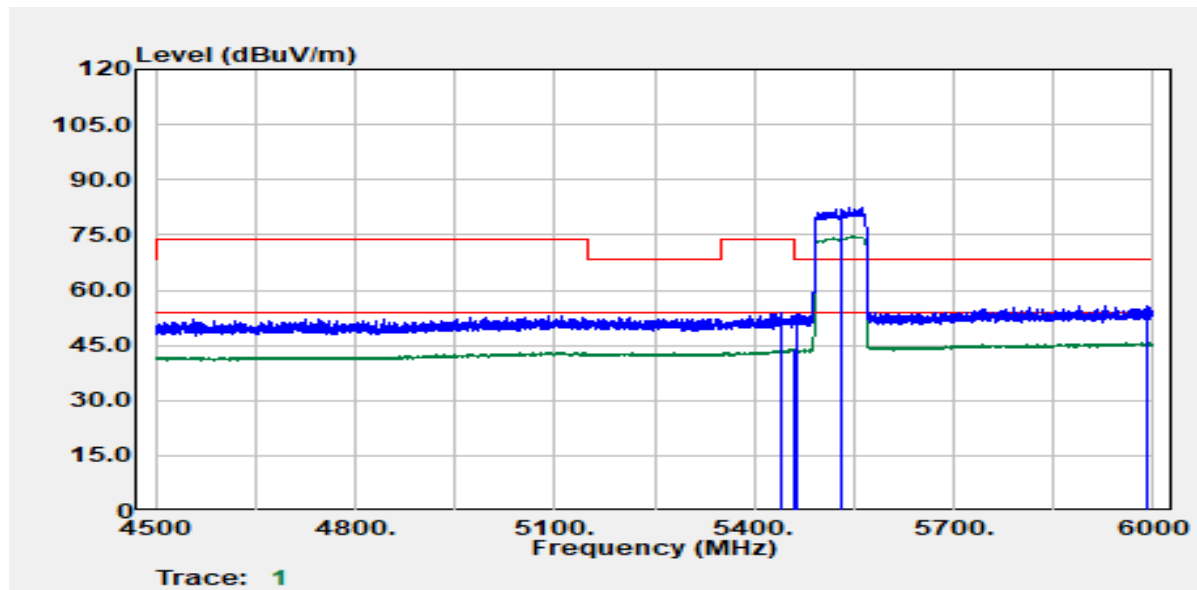
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5435.70	Average	25.68	17.44	43.12	54.00	-10.88
5453.40	Peak	36.00	17.49	53.48	74.00	-20.52
5466.90	Peak	35.67	17.48	53.15	68.20	-15.05
5670.00	Peak	66.09	18.35	84.44	--	--
5670.00	Average	58.76	18.35	77.11	--	--
5976.30	Peak	36.79	19.05	55.84	68.20	-12.36

Test Mode	IEEE 802.11n 40 MHz / 5670 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Band Edge	Test Date	October 28, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



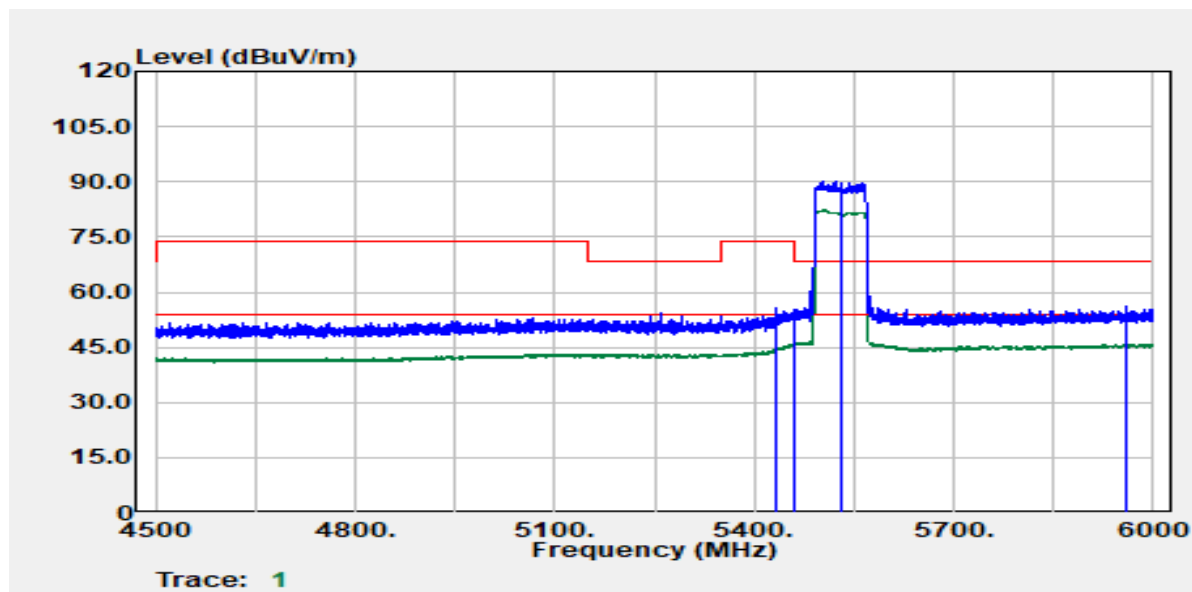
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5373.30	Peak	35.67	17.28	52.94	74.00	-21.06
5446.50	Average	25.65	17.48	43.13	54.00	-10.87
5464.80	Peak	35.99	17.48	53.47	68.20	-14.73
5670.00	Peak	74.76	18.35	93.11	--	--
5670.00	Average	67.07	18.35	85.41	--	--
5731.50	Peak	38.52	18.76	57.28	68.20	-10.92

Test Mode	IEEE 802.11ac VHT80 / 5530 MHz	Temp/Hum	24.5(°C)/ 62%RH
Test Item	Band Edge	Test Date	November 2, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak / Average		



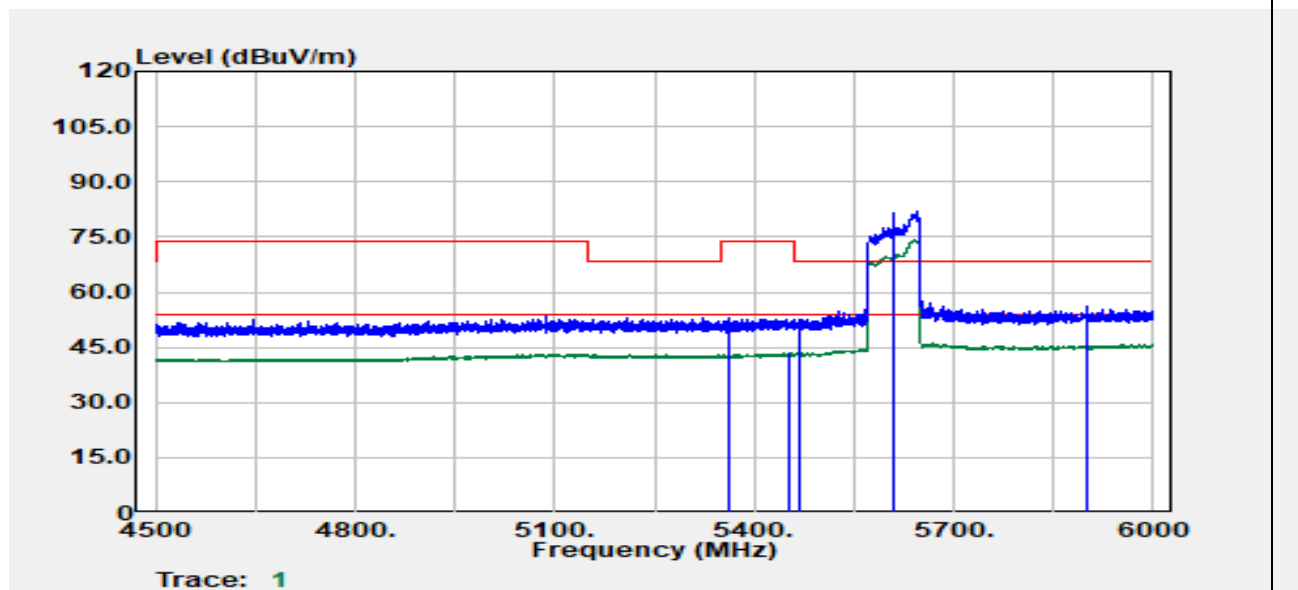
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5440.80	Peak	36.33	17.46	53.79	74.00	-20.21
5459.40	Average	26.38	17.48	43.86	54.00	-10.14
5464.50	Peak	35.88	17.48	53.36	68.20	-14.84
5530.00	Peak	64.91	17.64	82.54	--	--
5530.00	Average	56.89	17.64	74.53	--	--
5991.90	Peak	36.76	19.07	55.83	68.20	-12.37

Test Mode	IEEE 802.11ac VHT80 / 5530 MHz	Temp/Hum	25.2(°C)/ 61%RH
Test Item	Band Edge	Test Date	October 27, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak / Average		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5433.30	Peak	38.28	17.44	55.72	74.00	-18.28
5458.80	Average	28.51	17.48	45.99	54.00	-8.01
5460.90	Peak	37.99	17.48	55.47	68.20	-12.73
5530.00	Peak	72.49	17.64	90.13	--	--
5530.00	Average	64.61	17.64	82.24	--	--
5961.00	Peak	37.14	19.03	56.17	68.20	-12.03

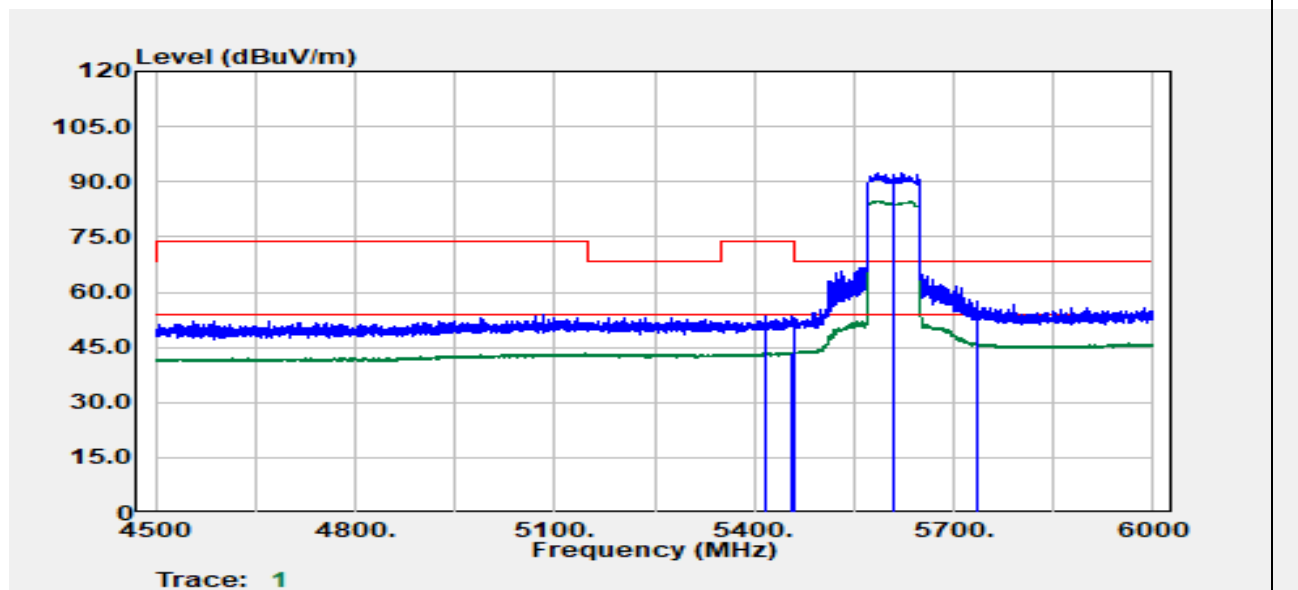
Test Mode	IEEE 802.11ac VHT80 / 5610 MHz	Temp/Hum	24.5(°C)/ 62%RH
Test Item	Band Edge	Test Date	November 2, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak / Average		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5361.00	Peak	35.80	17.25	53.06	74.00	-20.94
5454.30	Average	25.88	17.49	43.36	54.00	-10.64
5468.40	Peak	35.22	17.48	52.70	68.20	-15.50
5610.00	Peak	64.12	18.06	82.19	--	--
5610.00	Average	56.06	18.06	74.13	--	--
5899.50	Peak	37.25	18.94	56.19	68.20	-12.01



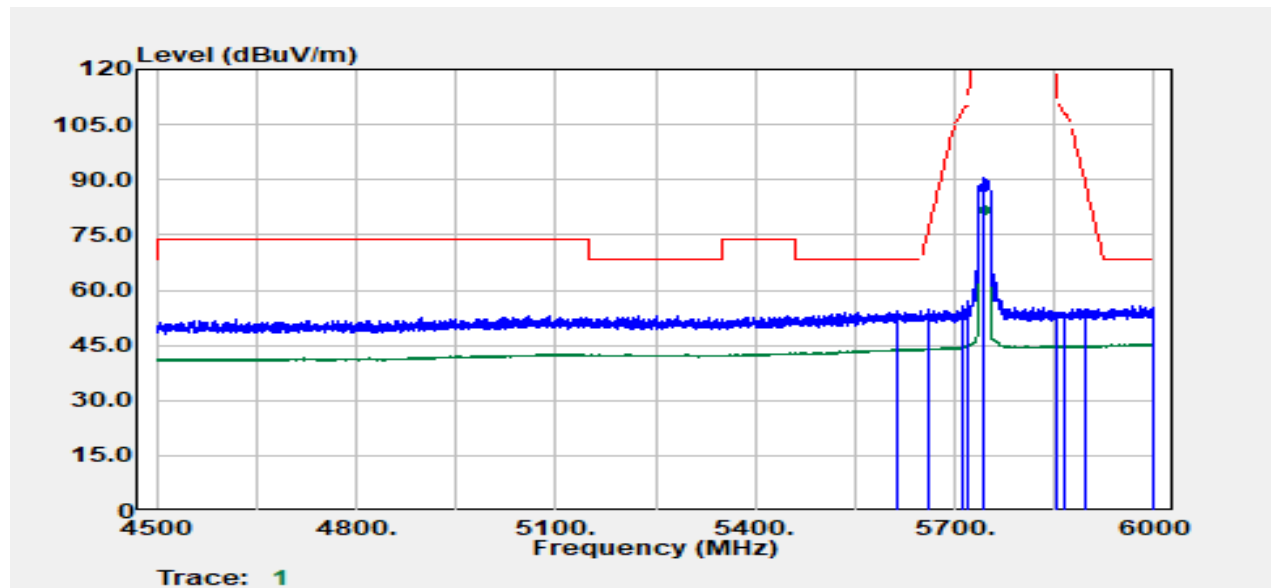
Test Mode	IEEE 802.11ac VHT80 / 5610 MHz	Temp/Hum	25.2(°C)/ 61%RH
Test Item	Band Edge	Test Date	October 27, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak / Average		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5415.60	Peak	36.20	17.38	53.58	74.00	-20.42
5454.90	Average	26.12	17.49	43.61	54.00	-10.39
5460.60	Peak	35.29	17.48	52.77	68.20	-15.43
5610.00	Peak	74.49	18.06	92.55	--	--
5610.00	Average	66.81	18.06	84.87	--	--
5735.40	Peak	38.79	18.79	57.59	68.20	-10.61

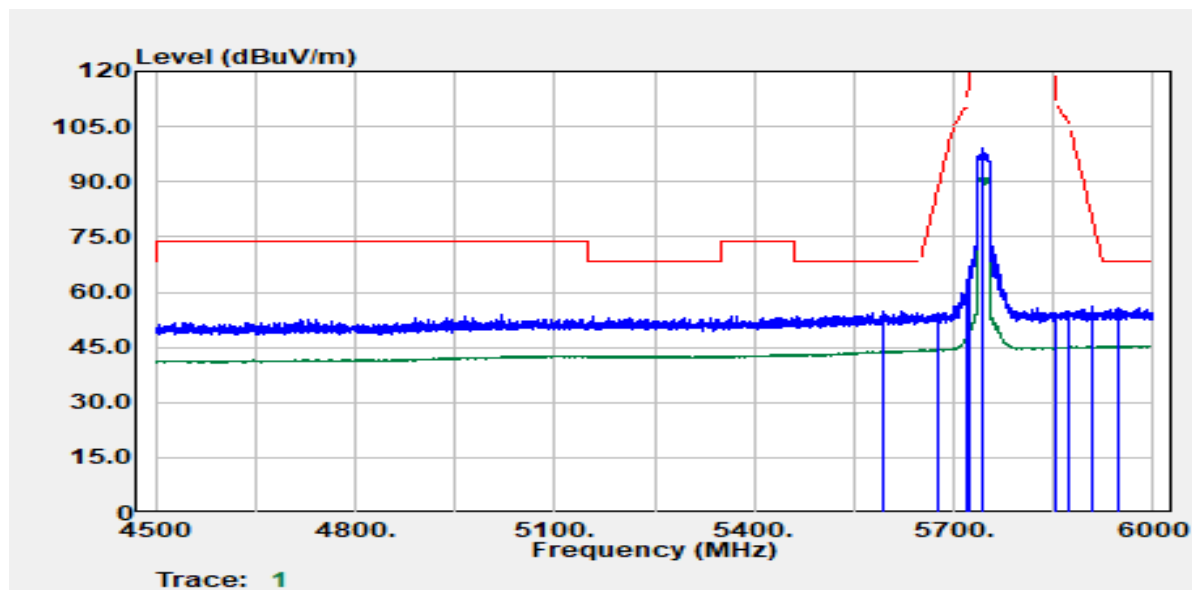
**Test Data for UNII-3**

Test Mode	IEEE 802.11a / 5745 MHz	Temp/Hum	24.5(°C)/ 62%RH
Test Item	Band Edge	Test Date	November 1, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



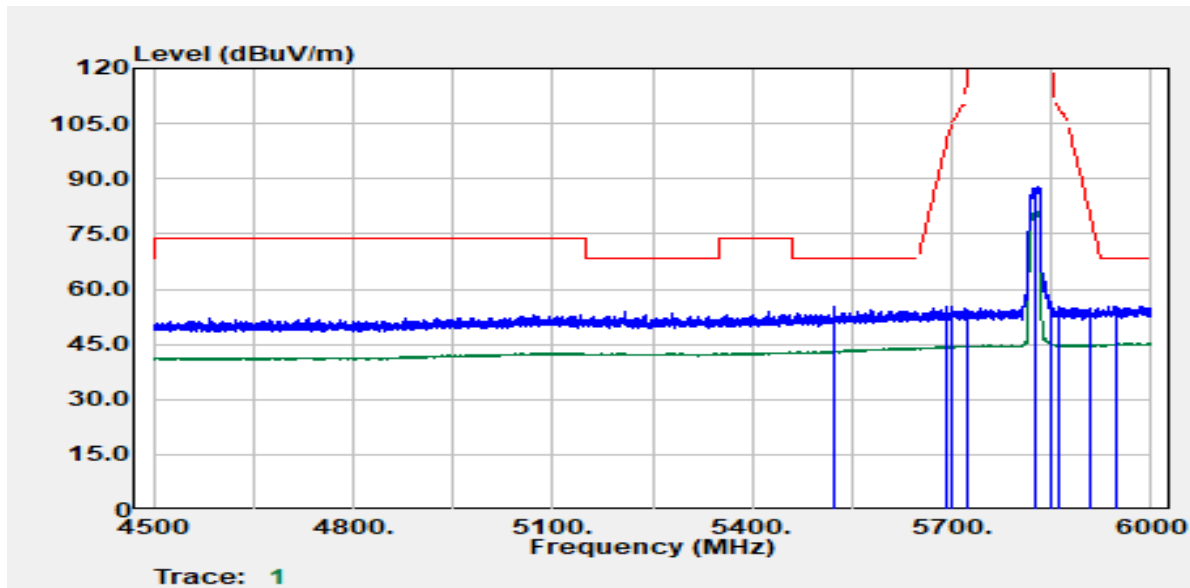
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dμV	Factor dB	Actual FS dμV/m	Limit @3m dμV/m	Margin dB
5614.80	Peak	36.08	18.09	54.17	68.20	-14.03
5660.10	Peak	36.51	18.29	54.81	75.70	-20.89
5713.20	Peak	37.18	18.62	55.79	108.90	-53.11
5721.00	Peak	38.32	18.68	57.00	113.08	-56.09
5745.00	Peak	71.49	18.87	90.36	--	--
5745.00	Average	63.96	18.87	82.83	--	--
5853.60	Peak	34.67	18.91	53.58	113.99	-60.41
5863.80	Peak	35.17	18.92	54.09	108.33	-54.24
5898.00	Peak	36.00	18.94	54.94	88.14	-33.20
6000.00	Peak	36.71	19.08	55.79	68.20	-12.41

Test Mode	IEEE 802.11a / 5745 MHz	Temp/Hum	25.2(°C)/ 61%RH
Test Item	Band Edge	Test Date	October 26, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



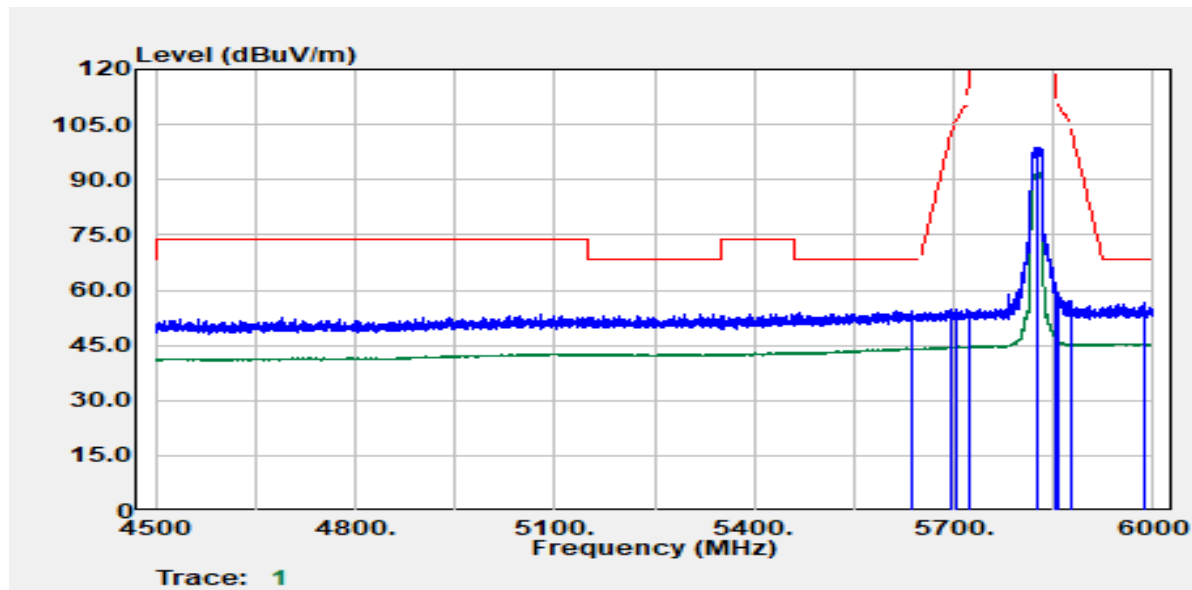
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5594.70	Peak	36.90	17.99	54.90	68.20	-13.30
5677.80	Peak	35.97	18.39	54.36	88.81	-34.46
5720.10	Peak	44.74	18.67	63.41	111.03	-47.62
5722.20	Peak	46.84	18.69	65.53	115.82	-50.29
5745.00	Peak	80.28	18.87	99.15	--	--
5745.00	Average	72.54	18.87	91.41	--	--
5853.30	Peak	35.35	18.91	54.26	114.67	-60.41
5871.30	Peak	35.86	18.92	54.78	106.23	-51.45
5910.00	Peak	37.07	18.96	56.02	79.27	-23.24
5948.70	Peak	36.82	19.02	55.84	68.20	-12.36

Test Mode	IEEE 802.11a / 5825 MHz	Temp/Hum	24.5(°C)/ 62%RH
Test Item	Band Edge	Test Date	November 1, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



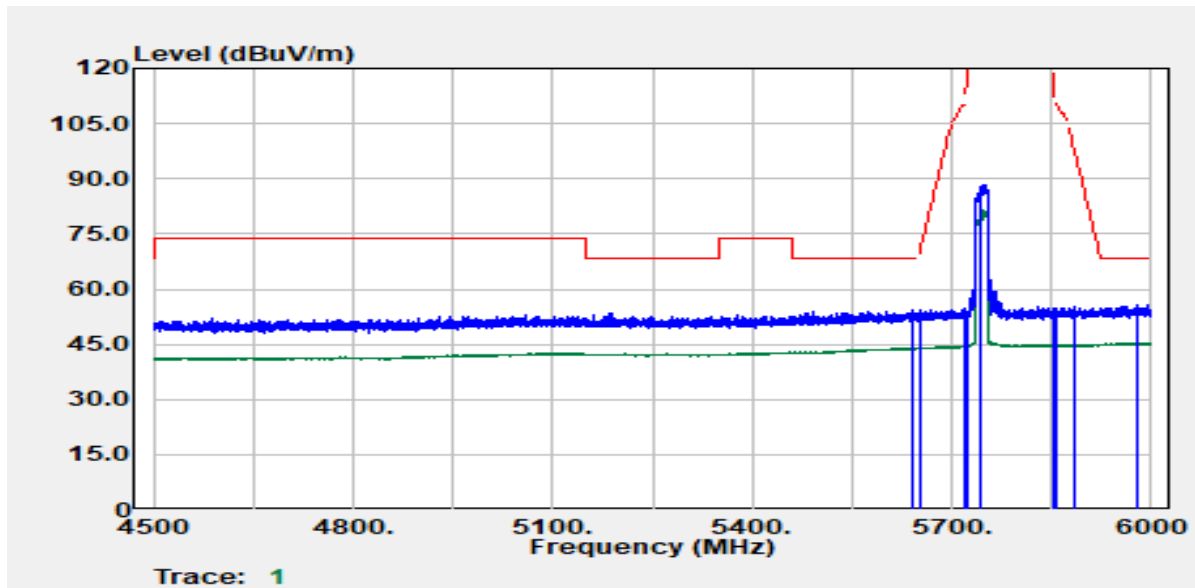
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5524.20	Peak	37.53	17.60	55.13	68.20	-13.07
5691.90	Peak	36.58	18.47	55.05	99.23	-44.18
5700.30	Peak	36.80	18.51	55.31	105.28	-49.97
5722.50	Peak	35.47	18.69	54.16	116.50	-62.34
5825.00	Peak	68.78	18.88	87.66	--	--
5825.00	Average	62.58	18.88	81.46	--	--
5850.30	Peak	36.86	18.91	55.77	121.52	-65.74
5859.60	Peak	36.39	18.92	55.30	109.51	-54.21
5908.80	Peak	35.87	18.95	54.82	80.15	-25.33
5949.30	Peak	36.22	19.02	55.24	68.20	-12.96

Test Mode	IEEE 802.11a / 5825 MHz	Temp/Hum	25.2(°C)/ 61%RH
Test Item	Band Edge	Test Date	October 26, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



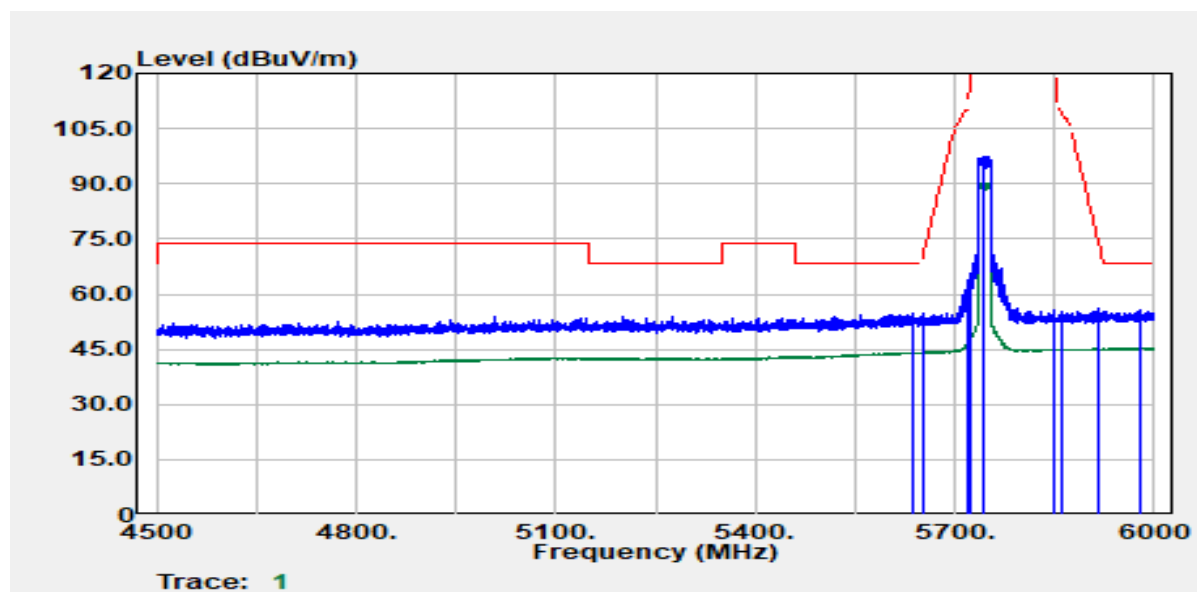
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5636.40	Peak	36.04	18.18	54.22	68.20	-13.98
5696.40	Peak	36.26	18.49	54.75	102.55	-47.79
5702.10	Peak	36.40	18.53	54.93	105.79	-50.86
5722.80	Peak	35.69	18.69	54.38	117.19	-62.81
5825.00	Peak	80.01	18.88	98.89	--	--
5825.00	Average	73.20	18.88	92.08	--	--
5851.80	Peak	43.18	18.91	62.09	118.09	-56.00
5855.70	Peak	40.40	18.91	59.31	110.60	-51.29
5878.20	Peak	38.03	18.93	56.95	102.82	-45.87
5985.60	Peak	37.33	19.06	56.39	68.20	-11.81

Test Mode	IEEE 802.11n 20 MHz / 5745 MHz	Temp/Hum	25.2(°C)/ 61%RH
Test Item	Band Edge	Test Date	October 26, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



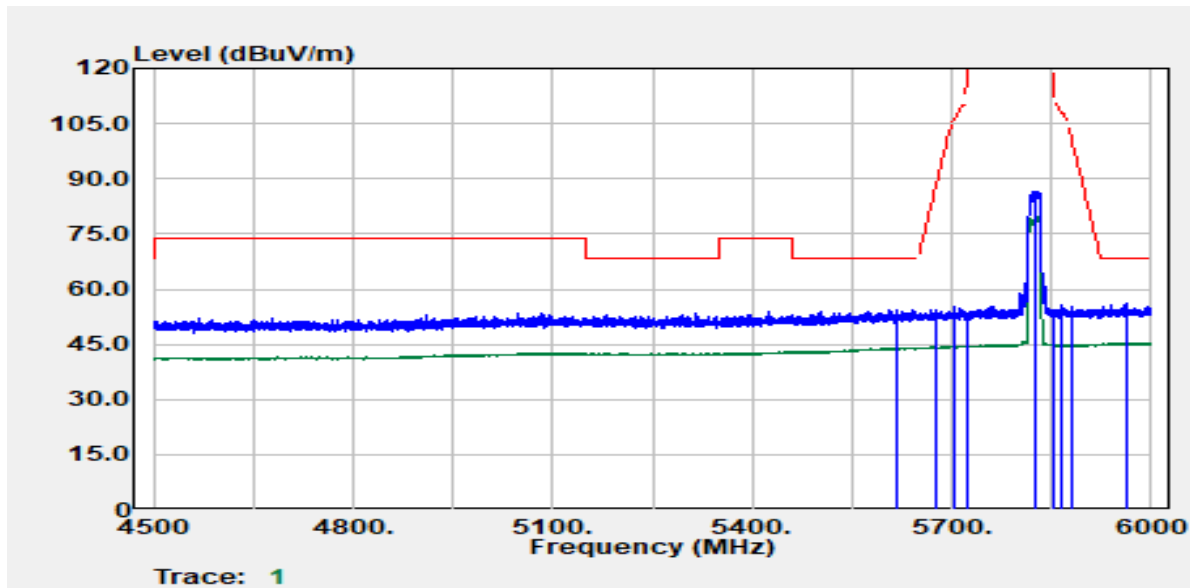
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5639.40	Peak	36.03	18.19	54.23	68.20	-13.97
5652.00	Peak	36.22	18.25	54.47	69.69	-15.21
5719.20	Peak	35.93	18.66	54.60	110.58	-55.98
5724.90	Peak	35.27	18.71	53.98	121.97	-68.00
5745.00	Peak	69.65	18.87	88.52	--	--
5745.00	Average	62.44	18.87	81.31	--	--
5852.40	Peak	35.04	18.91	53.95	116.73	-62.77
5857.20	Peak	36.04	18.91	54.96	110.18	-55.22
5884.80	Peak	36.44	18.93	55.37	97.92	-42.55
5978.10	Peak	36.83	19.05	55.89	68.20	-12.31

Test Mode	IEEE 802.11n 20 MHz / 5745 MHz	Temp/Hum	25.2(°C)/ 61%RH
Test Item	Band Edge	Test Date	October 26, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5637.30	Peak	36.60	18.18	54.78	68.20	-13.42
5651.10	Peak	36.56	18.25	54.80	69.02	-14.22
5718.60	Peak	43.11	18.66	61.77	110.41	-48.64
5723.10	Peak	47.12	18.69	65.82	117.87	-52.05
5745.00	Peak	78.69	18.87	97.56	--	--
5745.00	Average	71.47	18.87	90.34	--	--
5850.60	Peak	36.63	18.91	55.54	120.83	-65.29
5861.70	Peak	36.55	18.92	55.47	108.92	-53.45
5916.90	Peak	37.04	18.97	56.01	74.17	-18.17
5977.20	Peak	36.45	19.05	55.50	68.20	-12.70

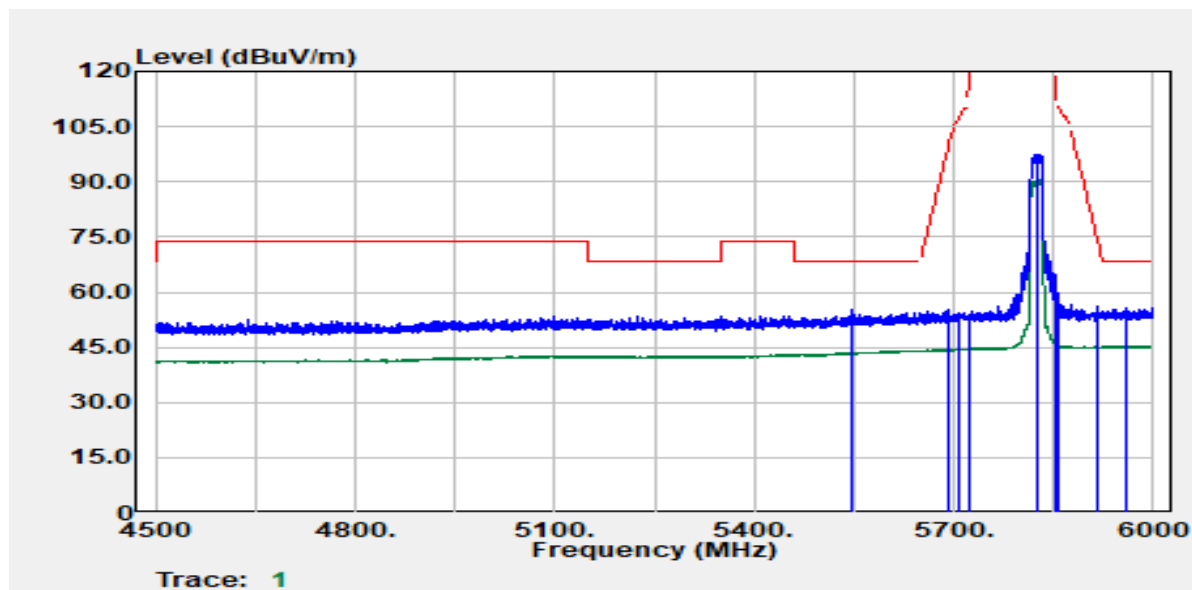
Test Mode	IEEE 802.11n 20 MHz / 5825 MHz	Temp/Hum	24.5(°C)/ 62%RH
Test Item	Band Edge	Test Date	November 1, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5617.50	Peak	36.39	18.10	54.48	68.20	-13.72
5675.10	Peak	35.88	18.38	54.25	86.81	-32.56
5703.90	Peak	36.56	18.54	55.10	106.29	-51.19
5723.10	Peak	34.93	18.69	53.63	117.87	-64.24
5825.00	Peak	67.69	18.88	86.57	--	--
5825.00	Average	60.96	18.88	79.84	--	--
5852.70	Peak	35.28	18.91	54.19	116.04	-61.85
5864.70	Peak	36.84	18.92	55.75	108.08	-52.33
5880.90	Peak	36.14	18.93	55.07	100.82	-45.75
5963.40	Peak	37.09	19.04	56.13	68.20	-12.07

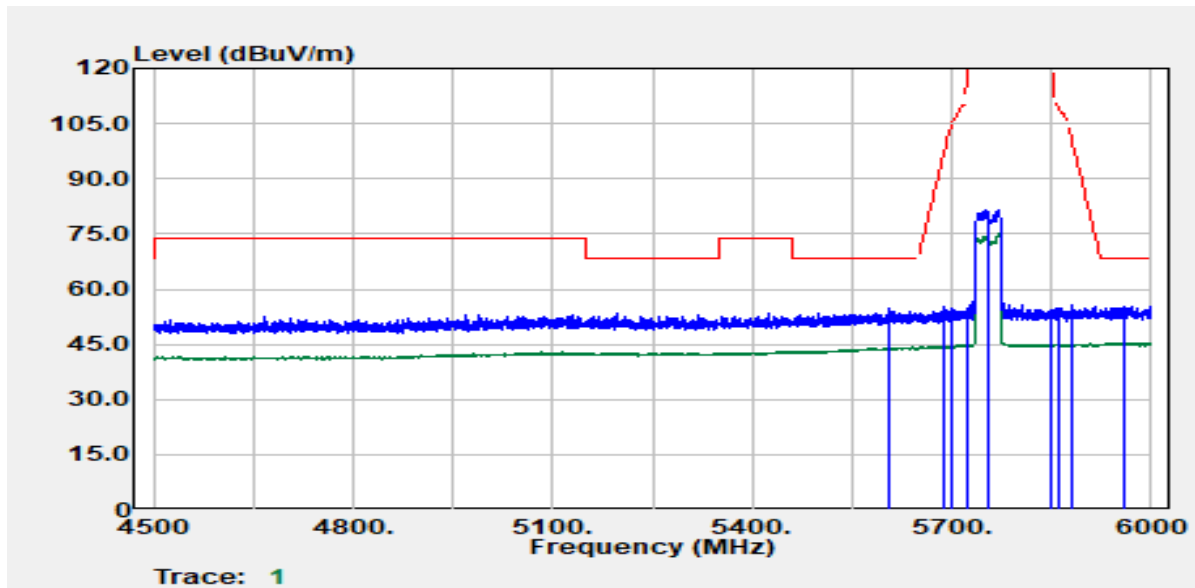


Test Mode	IEEE 802.11n 20 MHz / 5825 MHz	Temp/Hum	25.2(°C)/ 61%RH
Test Item	Band Edge	Test Date	October 26, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



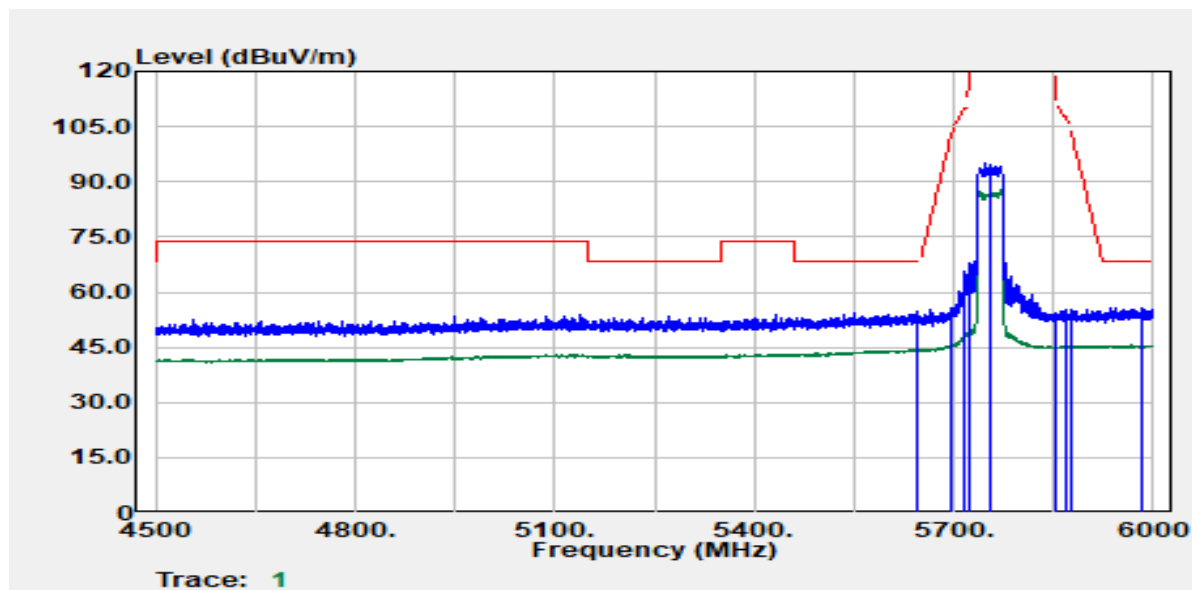
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5547.90	Peak	37.47	17.75	55.21	68.20	-12.99
5692.20	Peak	36.60	18.47	55.07	99.45	-44.38
5707.50	Peak	35.87	18.57	54.44	107.30	-52.86
5724.90	Peak	35.21	18.71	53.92	121.97	-68.06
5825.00	Peak	78.52	18.88	97.40	--	--
5825.00	Average	71.84	18.88	90.72	--	--
5851.80	Peak	45.76	18.91	64.67	118.09	-53.43
5855.40	Peak	40.73	18.91	59.65	110.69	-51.04
5915.10	Peak	37.00	18.96	55.96	75.50	-19.54
5959.80	Peak	36.64	19.03	55.67	68.20	-12.53

Test Mode	IEEE 802.11n 40 MHz/ 5755 MHz	Temp/Hum	24.5(°C)/ 62%RH
Test Item	Band Edge	Test Date	November 2, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



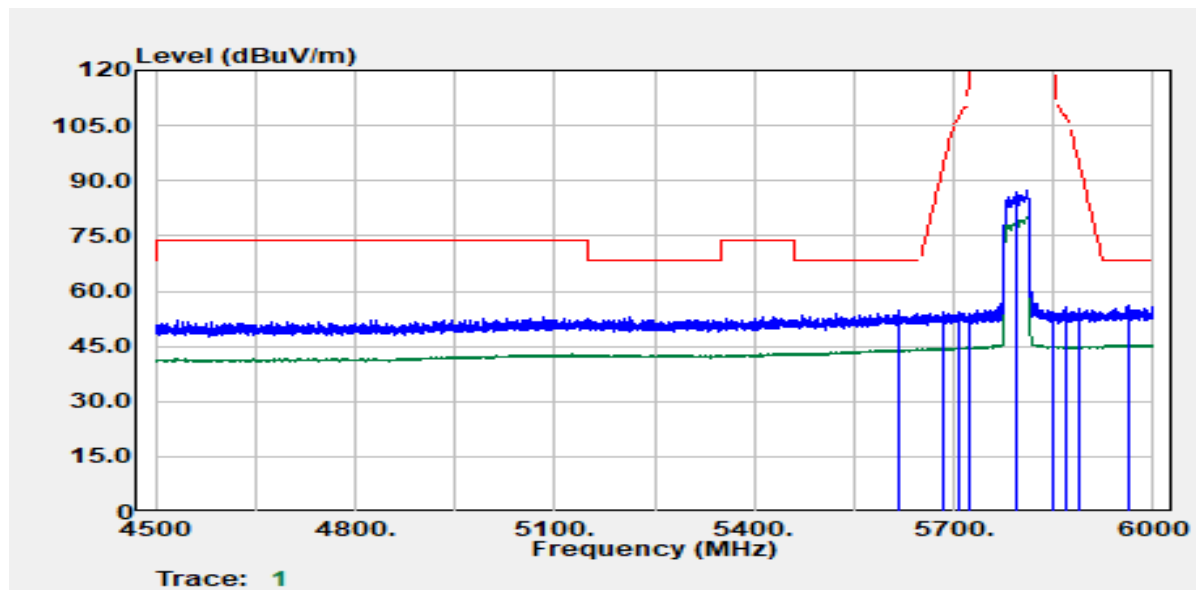
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5606.10	Peak	36.58	18.05	54.63	68.20	-13.57
5686.20	Peak	36.68	18.44	55.12	95.02	-39.90
5699.70	Peak	36.23	18.51	54.74	104.98	-50.24
5724.90	Peak	35.89	18.71	54.60	121.97	-67.38
5755.00	Peak	62.71	18.90	81.61	--	--
5755.00	Average	56.19	18.90	75.10	--	--
5850.30	Peak	35.43	18.91	54.34	121.52	-67.18
5860.20	Peak	35.95	18.92	54.87	109.34	-54.48
5879.40	Peak	36.97	18.93	55.90	101.93	-46.03
5958.60	Peak	36.38	19.03	55.42	68.20	-12.78

Test Mode	IEEE 802.11n 40 MHz/ 5755 MHz	Temp/Hum	25.2(°C)/ 61%RH
Test Item	Band Edge	Test Date	October 26, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



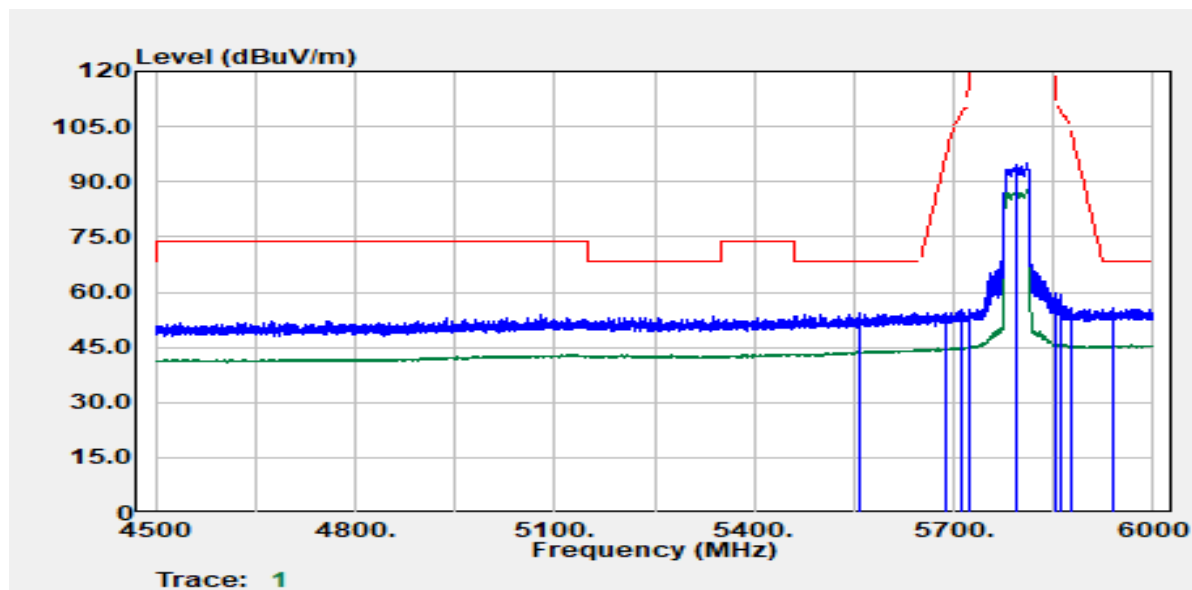
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5644.50	Peak	36.37	18.22	54.59	68.20	-13.61
5697.90	Peak	37.20	18.50	55.70	103.65	-47.95
5717.10	Peak	46.86	18.65	65.51	109.99	-44.48
5724.30	Peak	49.34	18.70	68.05	120.60	-52.56
5755.00	Peak	76.07	18.90	94.97	--	--
5755.00	Average	68.85	18.90	87.76	--	--
5853.00	Peak	35.25	18.91	54.16	115.36	-61.20
5869.80	Peak	36.51	18.92	55.43	106.65	-51.22
5875.50	Peak	36.18	18.93	55.11	104.83	-49.72
5984.70	Peak	36.73	19.06	55.79	68.20	-12.41

Test Mode	IEEE 802.11n 40 MHz/ 5795 MHz	Temp/Hum	24.5(°C)/ 62%RH
Test Item	Band Edge	Test Date	November 2, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



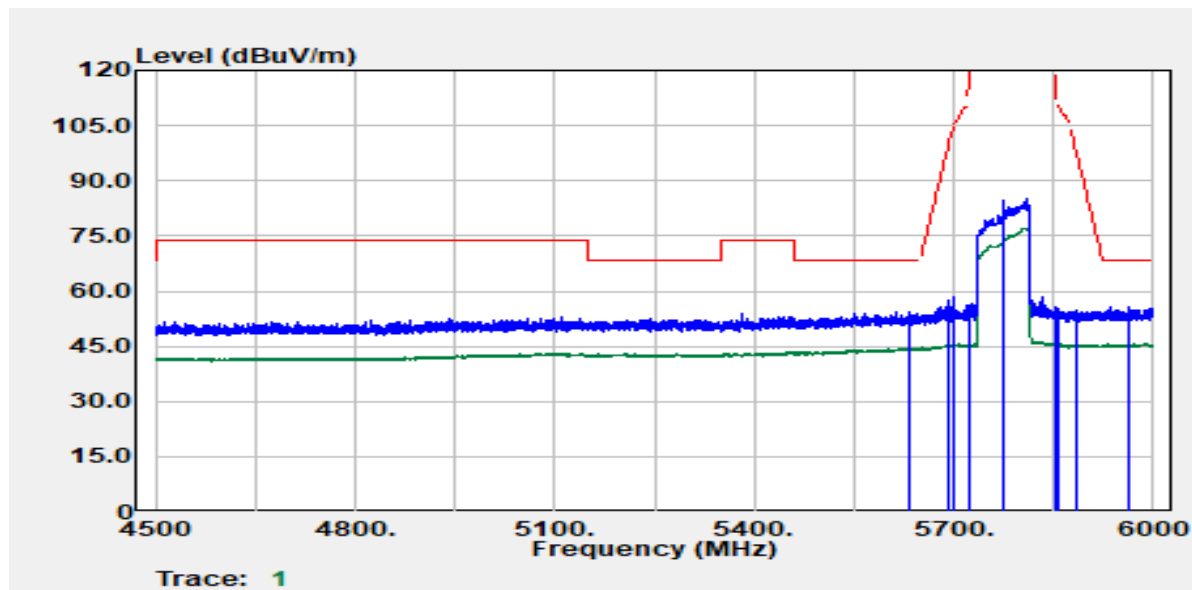
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5616.00	Peak	36.49	18.09	54.58	68.20	-13.62
5685.60	Peak	35.79	18.43	54.22	94.58	-40.36
5707.20	Peak	35.90	18.57	54.47	107.22	-52.75
5724.60	Peak	35.27	18.71	53.98	121.29	-67.31
5795.00	Peak	68.54	18.86	87.39	--	--
5795.00	Average	61.36	18.86	80.21	--	--
5851.20	Peak	35.27	18.91	54.18	119.46	-65.28
5869.50	Peak	36.56	18.92	55.49	106.74	-51.25
5889.00	Peak	36.47	18.93	55.40	94.81	-39.40
5964.00	Peak	37.17	19.04	56.20	68.20	-12.00

Test Mode	IEEE 802.11n 40 MHz/ 5795 MHz	Temp/Hum	25.2(°C)/ 61%RH
Test Item	Band Edge	Test Date	October 26, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		



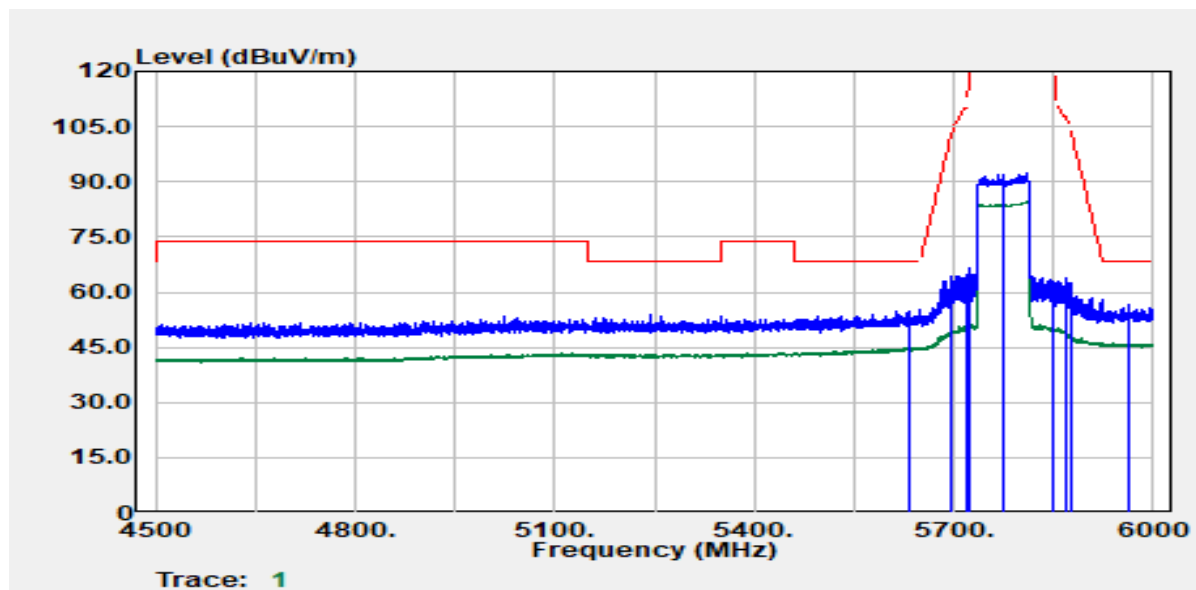
Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5556.60	Peak	36.69	17.79	54.49	68.20	-13.71
5689.20	Peak	35.98	18.45	54.43	97.24	-42.80
5711.70	Peak	36.53	18.60	55.14	108.48	-53.34
5723.10	Peak	36.36	18.69	55.05	117.87	-62.82
5795.00	Peak	76.11	18.86	94.97	--	--
5795.00	Average	68.95	18.86	87.81	--	--
5853.00	Peak	40.99	18.91	59.90	115.36	-55.46
5859.30	Peak	40.22	18.92	59.13	109.59	-50.46
5876.40	Peak	36.67	18.93	55.60	104.16	-48.56
5939.40	Peak	36.84	19.00	55.84	68.20	-12.36

Test Mode	IEEE 802.11ac VHT80 / 5775 MHz	Temp/Hum	24.5(°C)/ 62%RH
Test Item	Band Edge	Test Date	November 2, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak		



Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
5632.20	Peak	36.38	18.16	54.54	68.20	-13.66
5691.90	Peak	39.14	18.47	57.61	99.23	-41.62
5700.30	Peak	39.69	18.51	58.20	105.28	-47.08
5724.30	Peak	37.55	18.70	56.26	120.60	-64.35
5775.00	Peak	66.39	18.88	85.27	--	--
5775.00	Average	58.20	18.88	77.08	--	--
5852.70	Peak	35.35	18.91	54.26	116.04	-61.78
5858.10	Peak	36.18	18.91	55.09	109.93	-54.84
5883.00	Peak	36.07	18.93	55.00	99.26	-44.26
5961.60	Peak	36.75	19.03	55.79	68.20	-12.41

Test Mode	IEEE 802.11ac VHT80 / 5775 MHz	Temp/Hum	25.2(°C)/ 61%RH
Test Item	Band Edge	Test Date	October 27, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak		

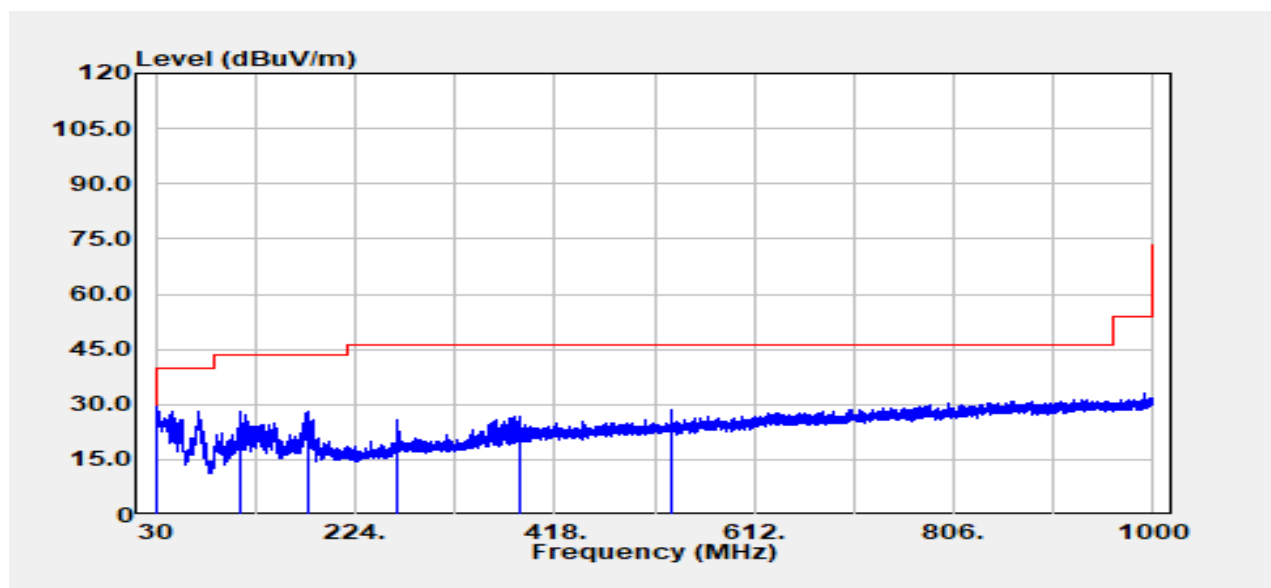


Frequency (MHz)	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5632.20	Peak	36.48	18.16	54.64	68.20	-13.56
5697.30	Peak	45.93	18.50	64.43	103.21	-38.78
5720.10	Peak	45.63	18.67	64.30	111.03	-46.73
5724.00	Peak	47.91	18.70	66.62	119.92	-53.31
5775.00	Peak	73.70	18.88	92.58	--	--
5775.00	Average	65.63	18.88	84.51	--	--
5850.30	Peak	41.81	18.91	60.72	121.52	-60.79
5868.60	Peak	45.13	18.92	64.05	106.99	-42.94
5875.50	Peak	43.47	18.93	62.40	104.83	-42.43
5964.30	Peak	37.40	19.04	56.44	68.20	-11.76

**Below 1G Test Data**

**Test Data for UNII-1**

Test Mode	IEEE 802.11a / 5240MHz	Temp/Hum	24.5(°C)/ 62%RH
Test Item	30MHz-1GHz	Test Date	October 28, 2022
Polarize	Vertical	Test Engineer	Tony Chao
Detector	Peak		

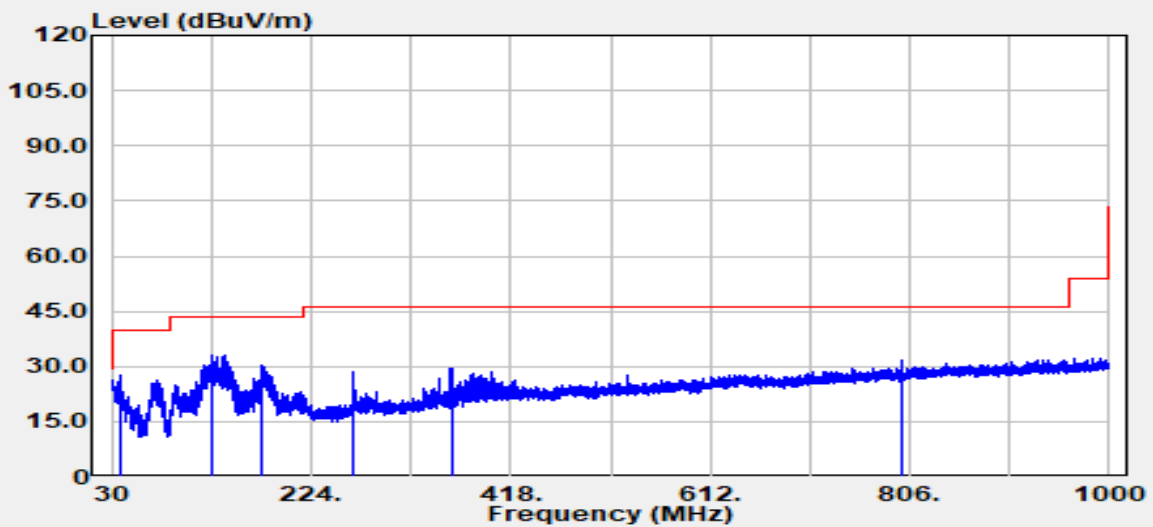


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
31.94	Peak	33.35	-3.73	29.61	40.00	-10.39
112.69	Peak	38.32	-10.15	28.18	43.50	-15.32
177.32	Peak	39.59	-11.67	27.93	43.50	-15.57
264.98	Peak	35.22	-9.25	25.97	46.00	-20.03
383.93	Peak	33.22	-6.68	26.55	46.00	-19.45
532.34	Peak	31.67	-3.33	28.34	46.00	-17.66

Note: No emission found between lowest internal used/generated frequency to 30MHz (9kHz~30MHz).



Test Mode	IEEE 802.11a / 5240MHz	Temp/Hum	24.5(°C)/ 62%RH
Test Item	30MHz-1GHz	Test Date	October 28, 2022
Polarize	Horizontal	Test Engineer	Tony Chao
Detector	Peak		

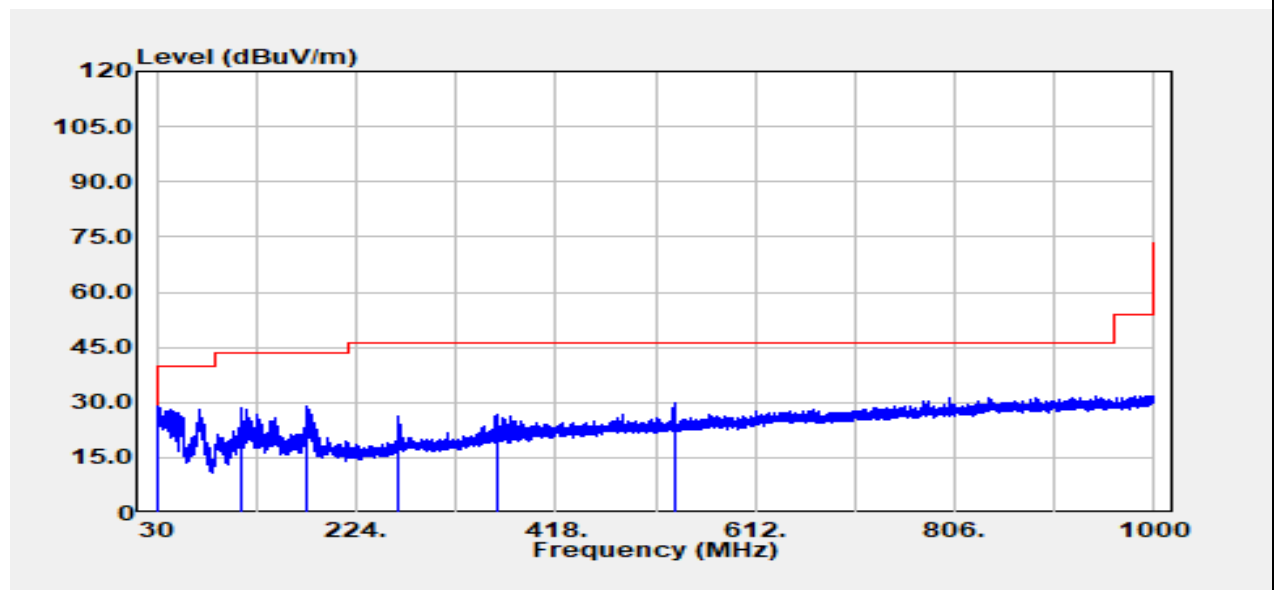


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
38.97	Peak	36.94	-9.27	27.66	40.00	-12.34
127.61	Peak	42.56	-9.40	33.16	43.50	-10.34
176.35	Peak	42.01	-11.64	30.38	43.50	-13.12
264.01	Peak	38.02	-9.44	28.58	46.00	-17.42
360.04	Peak	36.92	-7.44	29.48	46.00	-16.52
797.76	Peak	30.83	1.05	31.88	46.00	-14.12

Note: No emission found between lowest internal used/generated frequency to 30MHz (9kHz~30MHz).

**Test Data for U-NII-2a**

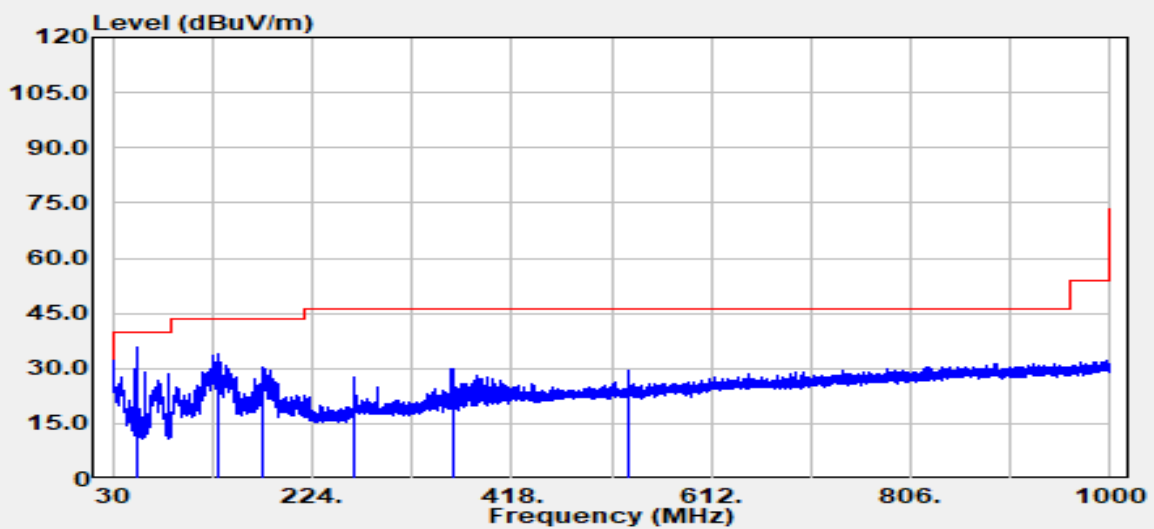
Test Mode	IEEE 802.11a / 5320MHz	Temp/Hum	24.5(°C)/ 62%RH
Test Item	30MHz-1GHz	Test Date	October 28, 2022
Polarize	Vertical	Test Engineer	Tony Chao
Detector	Peak		



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
32.06	Peak	32.54	-3.78	28.76	40.00	-11.24
112.69	Peak	38.74	-10.15	28.60	43.50	-14.90
176.11	Peak	40.42	-11.64	28.79	43.50	-14.71
264.01	Peak	35.72	-9.44	26.28	46.00	-19.72
360.04	Peak	34.09	-7.44	26.66	46.00	-19.34
532.82	Peak	33.19	-3.33	29.86	46.00	-16.14

Note: No emission found between lowest internal used/generated frequency to 30MHz (9kHz~30MHz).

Test Mode	IEEE 802.11a / 5320MHz	Temp/Hum	24.5(°C)/ 62%RH
Test Item	30MHz-1GHz	Test Date	October 28, 2022
Polarize	Horizontal	Test Engineer	Tony Chao
Detector	Peak		

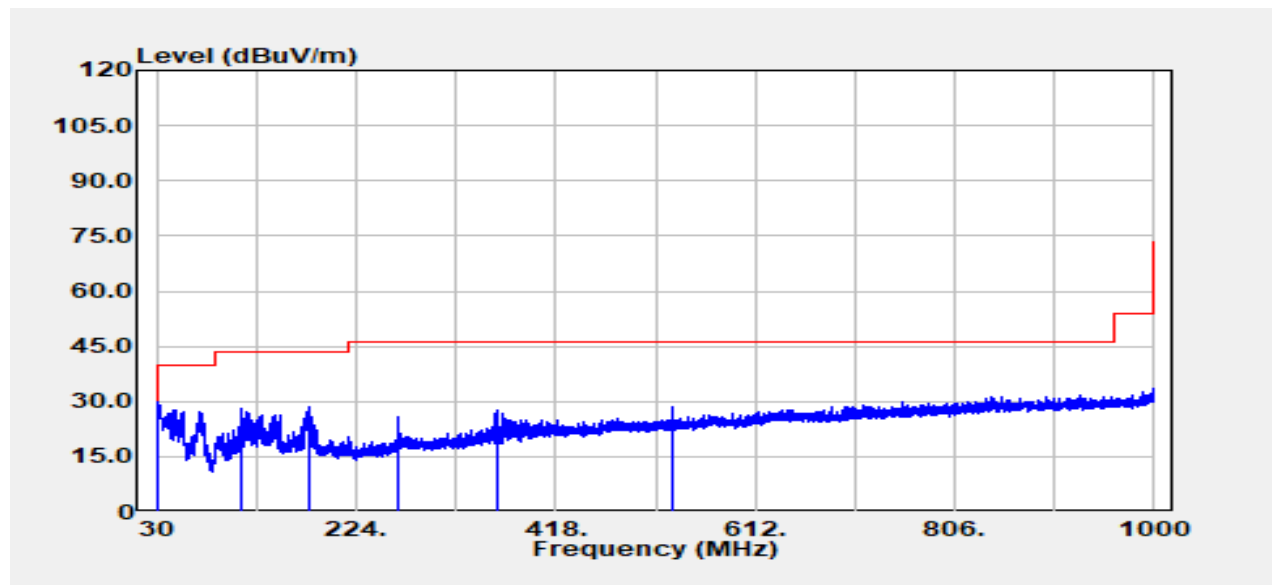


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
54.37	Peak	52.08	-16.37	35.71	40.00	-4.29
131.73	Peak	43.67	-9.63	34.04	43.50	-9.46
176.83	Peak	42.02	-11.64	30.39	43.50	-13.11
264.01	Peak	37.03	-9.44	27.59	46.00	-18.41
360.04	Peak	37.27	-7.44	29.83	46.00	-16.17
532.58	Peak	32.54	-3.33	29.21	46.00	-16.79

Note: No emission found between lowest internal used/generated frequency to 30MHz (9kHz~30MHz).

**Test Data for U-NII-2c**

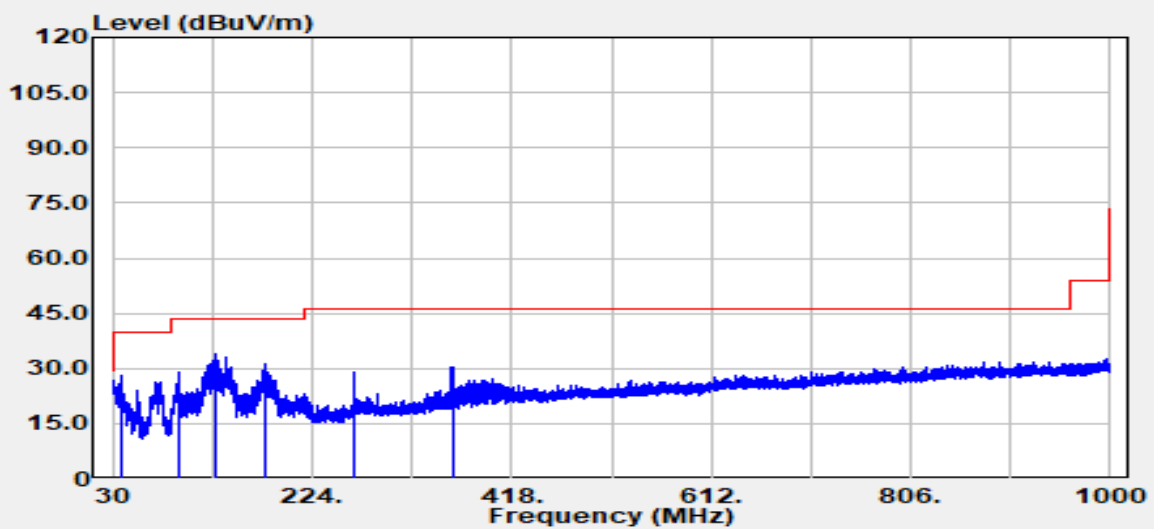
Test Mode	IEEE 802.11n HT20 / 5500MHz	Temp/Hum	24.5(°C)/ 62%RH
Test Item	30MHz-1GHz	Test Date	October 28, 2022
Polarize	Vertical	Test Engineer	Tony Chao
Detector	Peak		



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
32.18	Peak	33.55	-3.89	29.67	40.00	-10.33
112.69	Peak	38.28	-10.15	28.14	43.50	-15.36
177.56	Peak	40.13	-11.69	28.44	43.50	-15.06
264.01	Peak	35.34	-9.44	25.90	46.00	-20.10
360.04	Peak	34.93	-7.44	27.49	46.00	-18.51
531.98	Peak	31.89	-3.33	28.56	46.00	-17.44

Note: No emission found between lowest internal used/generated frequency to 30MHz (9kHz~30MHz).

Test Mode	IEEE 802.11n HT20 / 5500MHz	Temp/Hum	24.5(°C)/ 62%RH
Test Item	30MHz-1GHz	Test Date	October 28, 2022
Polarize	Horizontal	Test Engineer	Tony Chao
Detector	Peak		

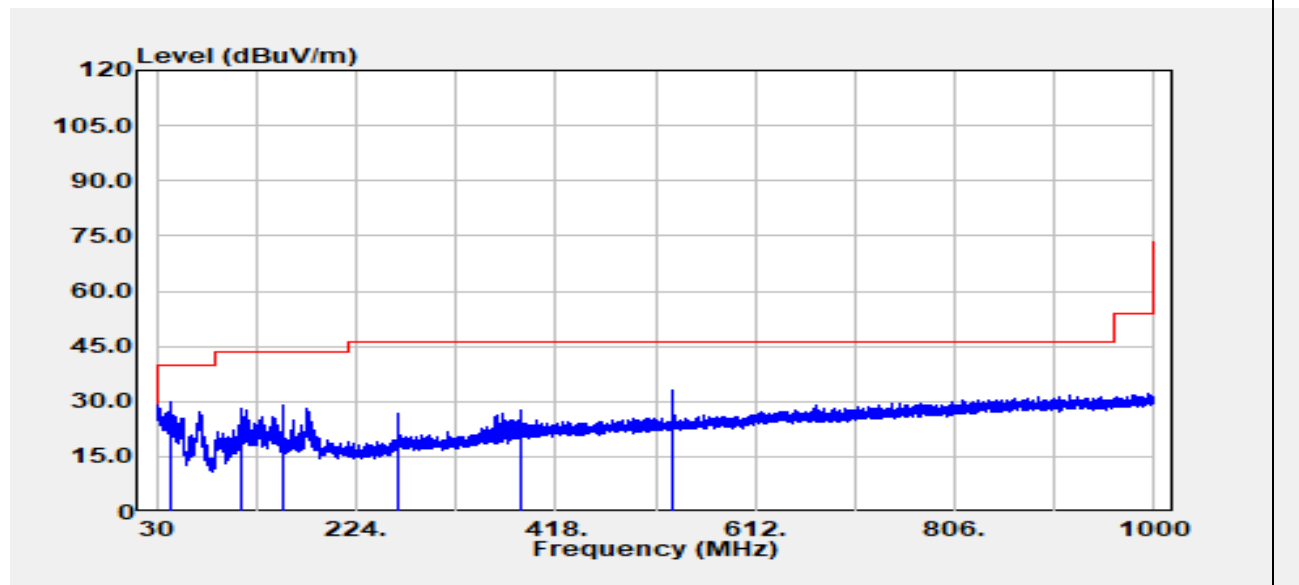


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
38.85	Peak	37.25	-9.16	28.09	40.00	-11.91
94.26	Peak	43.65	-14.76	28.90	43.50	-14.60
131.00	Peak	43.12	-9.34	33.78	43.50	-9.72
177.68	Peak	43.02	-11.70	31.32	43.50	-12.18
264.01	Peak	38.51	-9.44	29.08	46.00	-16.92
360.04	Peak	37.85	-7.44	30.41	46.00	-15.59

Note: No emission found between lowest internal used/generated frequency to 30MHz (9kHz~30MHz).

**Test Data for U-NII-3**

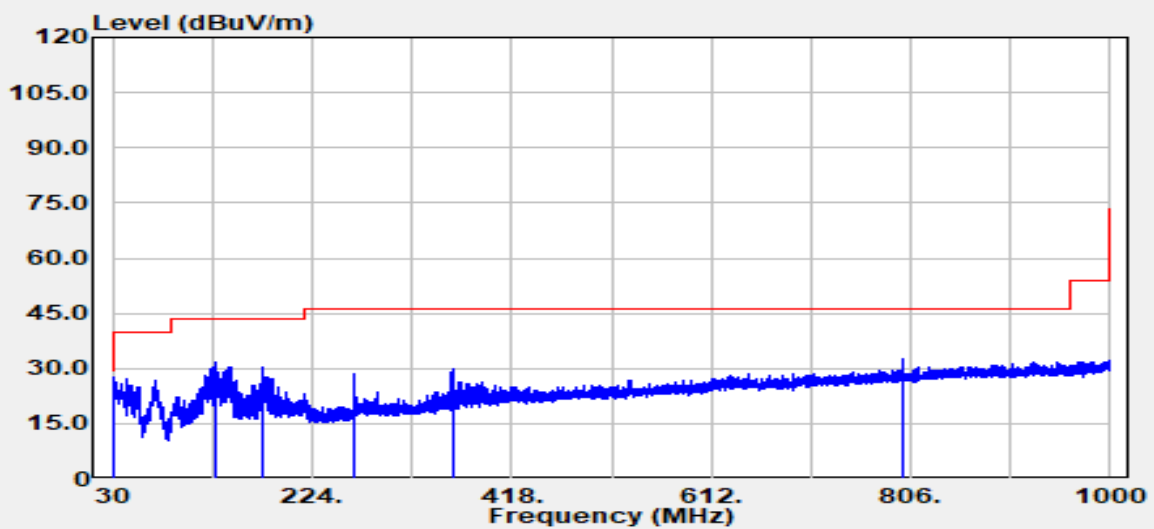
Test Mode	IEEE 802.11a / 5745MHz	Temp/Hum	24.5(°C)/ 62%RH
Test Item	30MHz-1GHz	Test Date	October 28, 2022
Polarize	Vertical	Test Engineer	Tony Chao
Detector	Peak		



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
43.10	Peak	41.94	-11.98	29.95	40.00	-10.05
112.69	Peak	38.31	-10.15	28.17	43.50	-15.33
152.34	Peak	39.61	-10.63	28.98	43.50	-14.52
264.01	Peak	36.27	-9.44	26.83	46.00	-19.17
384.05	Peak	34.43	-6.67	27.76	46.00	-18.24
531.01	Peak	36.25	-3.34	32.91	46.00	-13.09

Note: No emission found between lowest internal used/generated frequency to 30MHz (9kHz~30MHz).

Test Mode	IEEE 802.11a / 5745MHz	Temp/Hum	24.5(°C)/ 62%RH
Test Item	30MHz-1GHz	Test Date	October 28, 2022
Polarize	Horizontal	Test Engineer	Tony Chao
Detector	Peak		



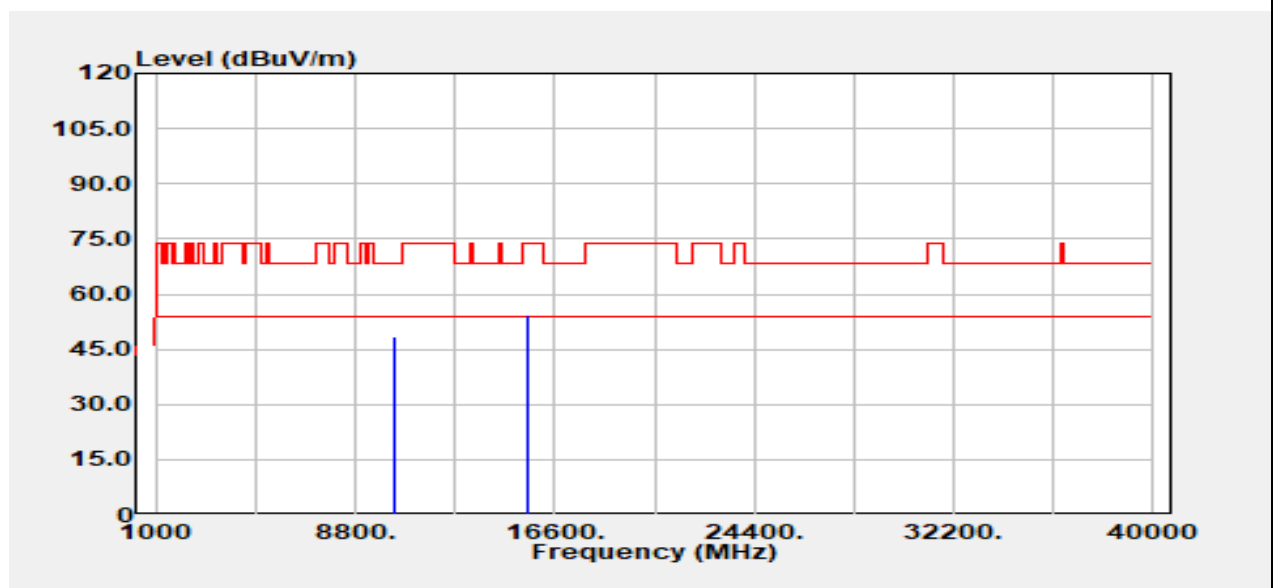
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
32.06	Peak	31.49	-3.78	27.72	40.00	-12.28
131.00	Peak	40.83	-9.34	31.49	43.50	-12.01
176.59	Peak	42.18	-11.64	30.54	43.50	-12.96
264.01	Peak	38.08	-9.44	28.64	46.00	-17.36
360.04	Peak	37.43	-7.44	29.99	46.00	-16.01
799.33	Peak	31.35	1.06	32.41	46.00	-13.59

Note: No emission found between lowest internal used/generated frequency to 30MHz (9kHz~30MHz).

**Above 1G**

**Test Data for UNII-1**

Test Mode	IEEE 802.11a / 5180MHz	Temp/Hum	25.2(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		



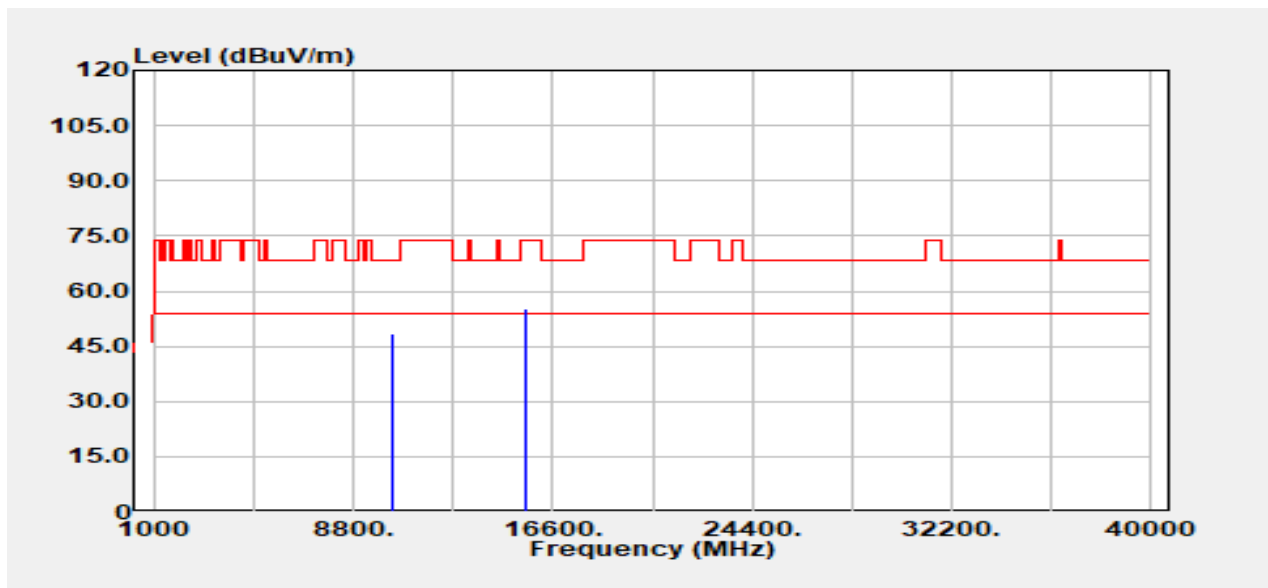
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
10360.00	Peak	29.97	18.27	48.24	68.20	-19.96
15540.00	Peak	32.14	22.34	54.48	74.00	-19.52
15540.00	Average	24.87	22.34	47.20	54.00	-6.80
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.



Test Mode	IEEE 802.11a / 5180MHz	Temp/Hum	25.2(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		

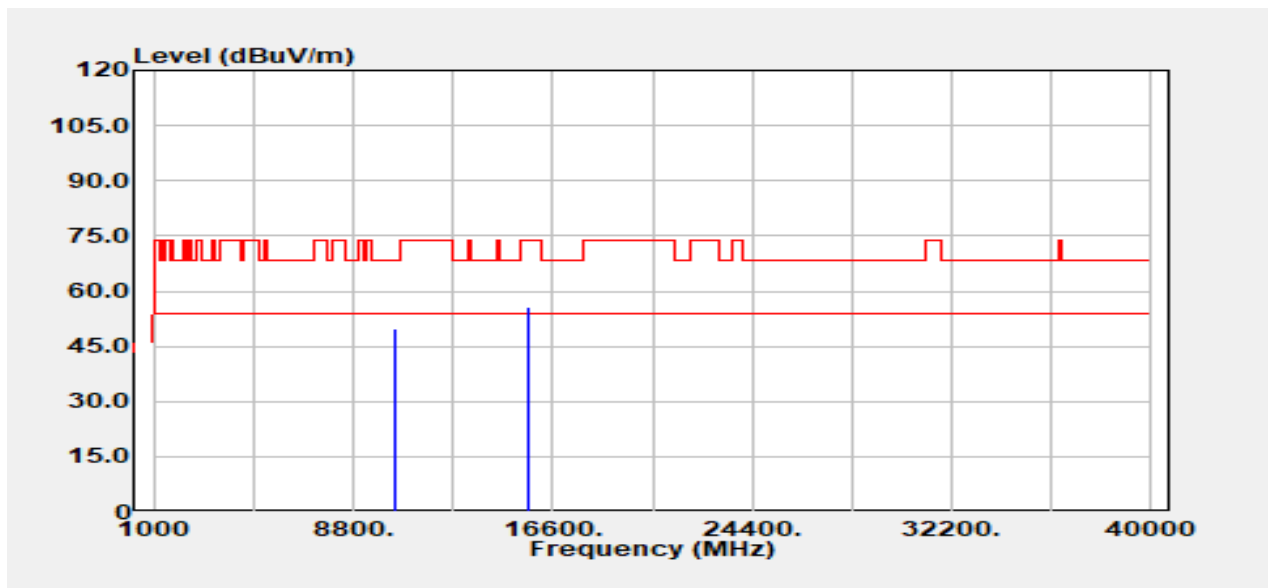


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
10360.00	Peak	30.20	18.27	48.47	68.20	-19.73
15540.00	Peak	32.83	22.34	55.16	74.00	-18.84
15540.00	Average	24.84	22.34	47.18	54.00	-6.82
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11a / 5220 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonics	Test Date	October 27, 2022
Polarize	Vertical	Test Engineer	Tony Chao
Detector	Peak & Average		

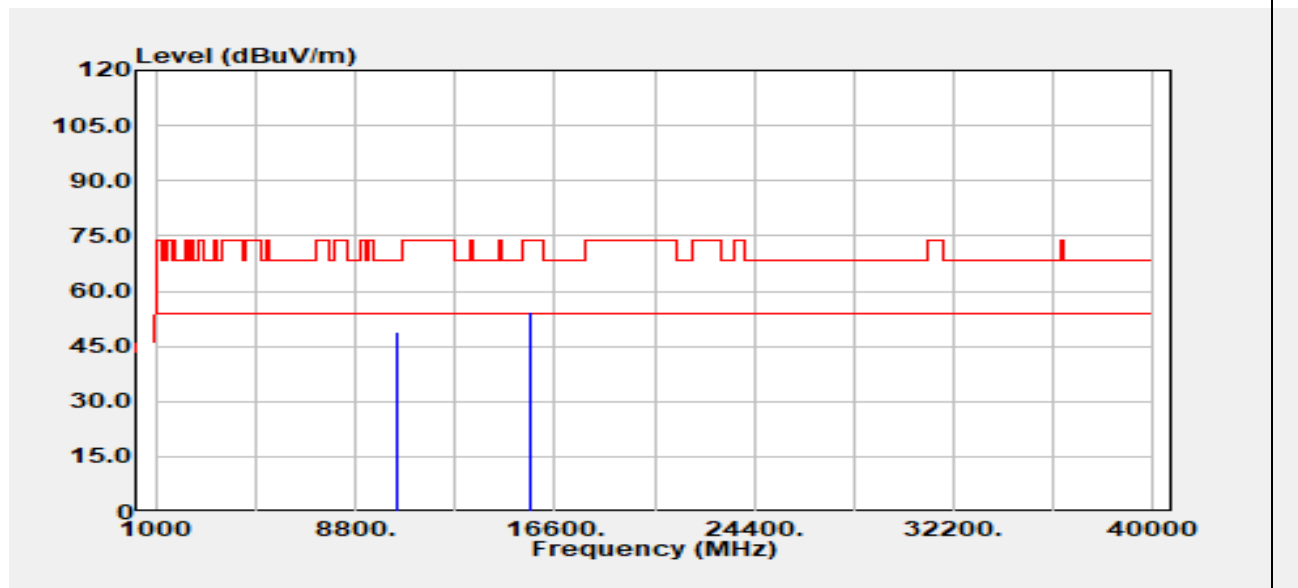


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
10440.00	Peak	31.29	18.35	49.64	68.20	-18.56
15660.00	Peak	33.00	22.55	55.56	74.00	-18.44
15660.00	Average	24.59	22.55	47.14	54.00	-6.86
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11a / 5220 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Horizontal	Test Engineer	Tony Chao
Detector	Peak & Average		

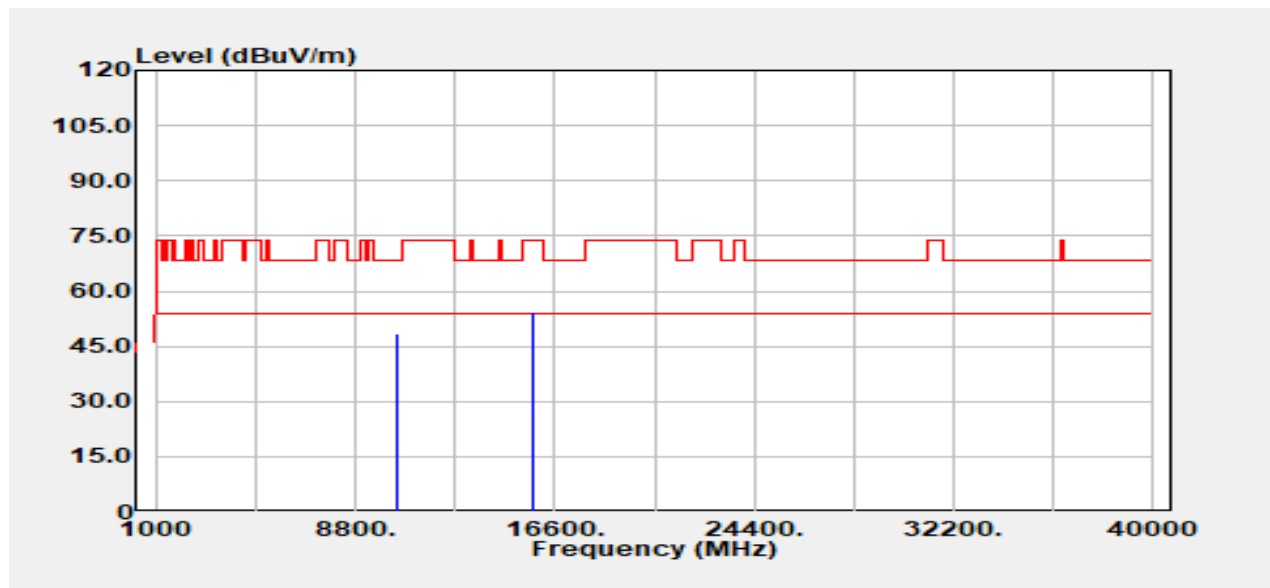


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
10440.00	Peak	30.66	18.35	49.01	68.20	-19.19
15660.00	Peak	31.99	22.55	54.55	74.00	-19.45
15660.00	Average	24.65	22.55	47.20	54.00	-6.80
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11a / 5240MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Vertical	Test Engineer	Tony Chao
Detector	Peak & Average		

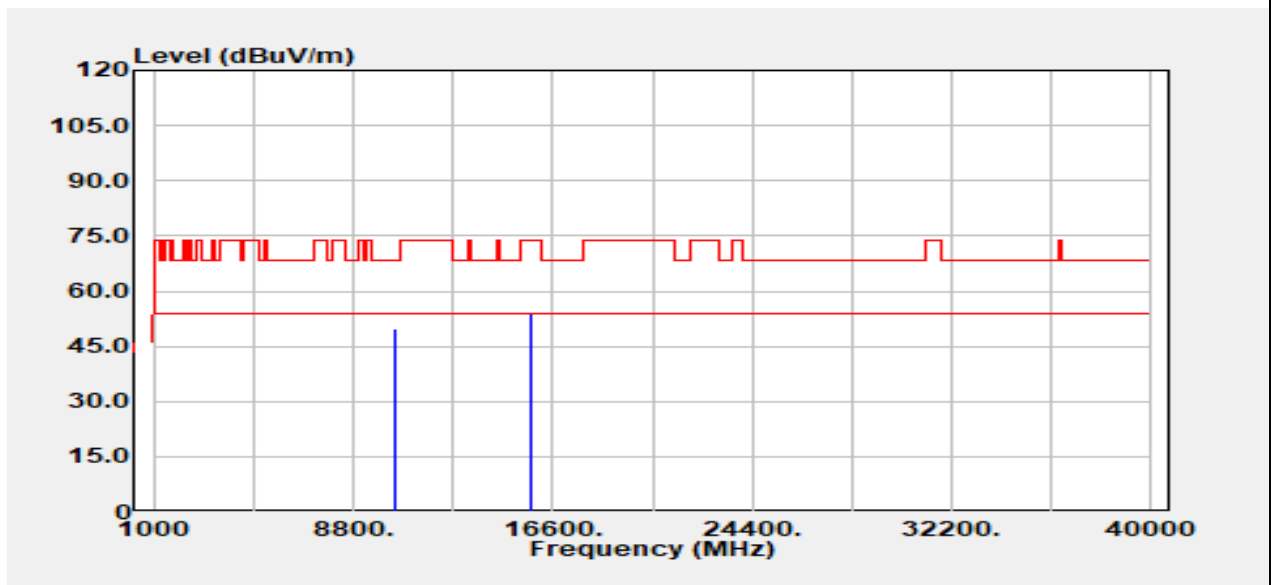


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
10480.00	Peak	29.90	18.39	48.28	68.20	-19.92
15720.00	Peak	31.35	23.12	54.47	74.00	-19.53
15720.00	Average	24.24	23.12	47.36	54.00	-6.64
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11a / 5240MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Horizontal	Test Engineer	Tony Chao
Detector	Peak & Average		

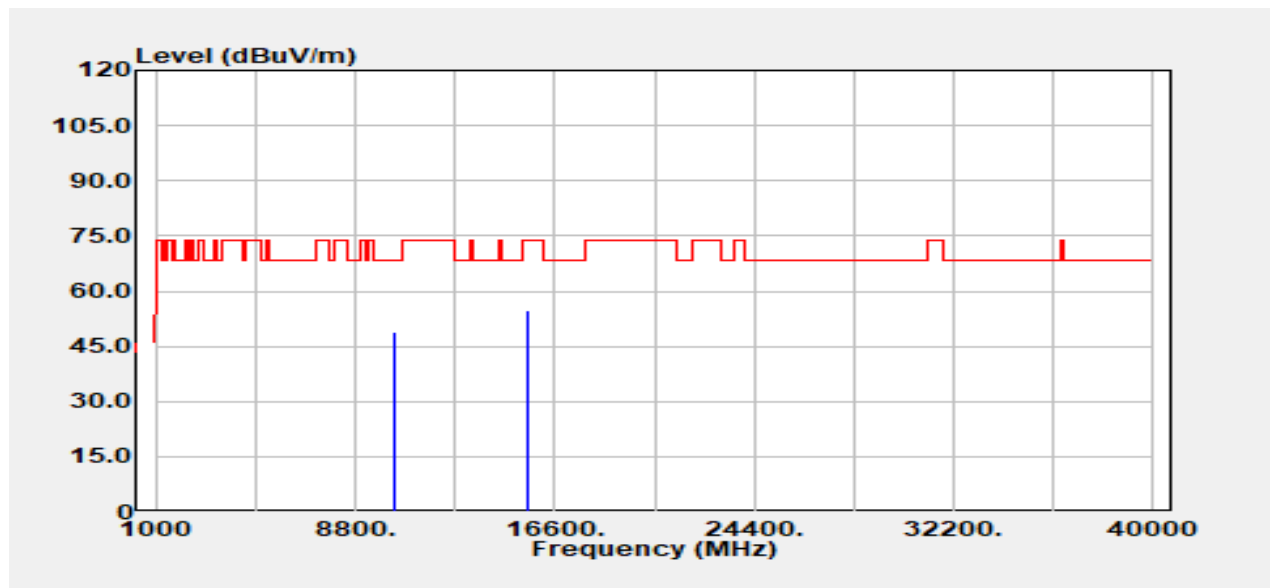


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dμV	Factor dB	Actual FS dμV/m	Limit @3m dμV/m	Margin dB
10480.00	Peak	31.32	18.39	49.71	68.20	-18.49
15720.00	Peak	30.78	23.12	53.90	74.00	-20.10
15720.00	Average	23.95	23.12	47.07	54.00	-6.93
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n 20 MHz / 5180MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Vertical	Test Engineer	Tony Chao
Detector	Peak & Average		

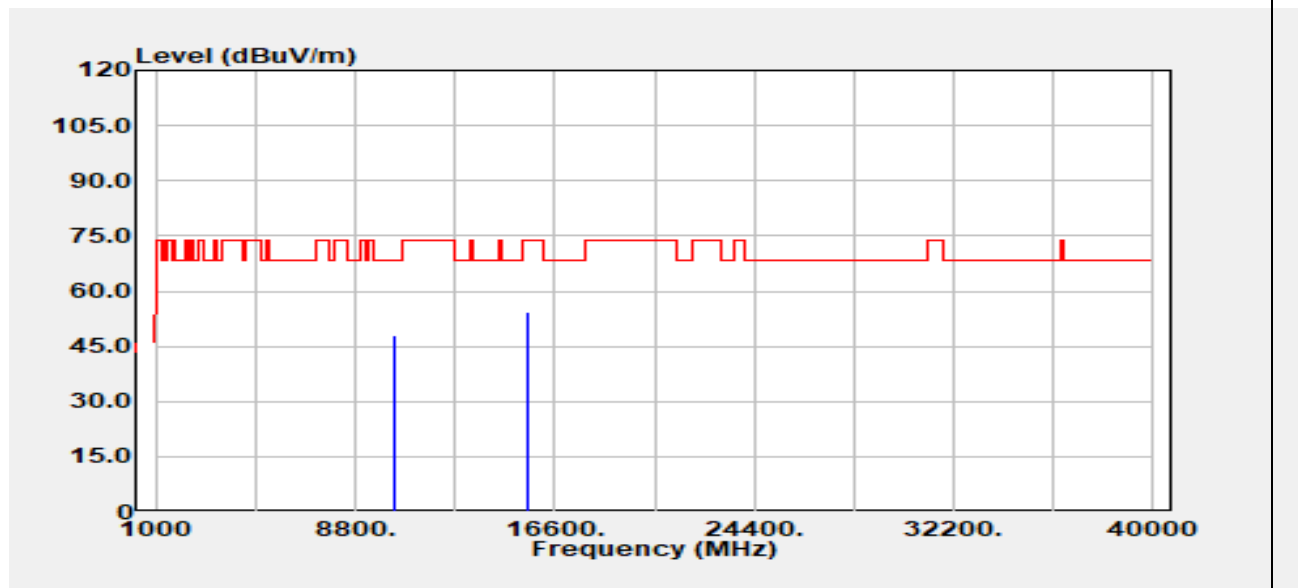


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
10360.00	Peak	30.48	18.27	48.75	68.20	-19.45
15540.00	Peak	32.53	22.34	54.86	74.00	-19.14
15540.00	Average	23.42	22.34	45.76	74.00	-28.24
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n 20 MHz/ 5180MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Horizontal	Test Engineer	Tony Chao
Detector	Peak & Average		

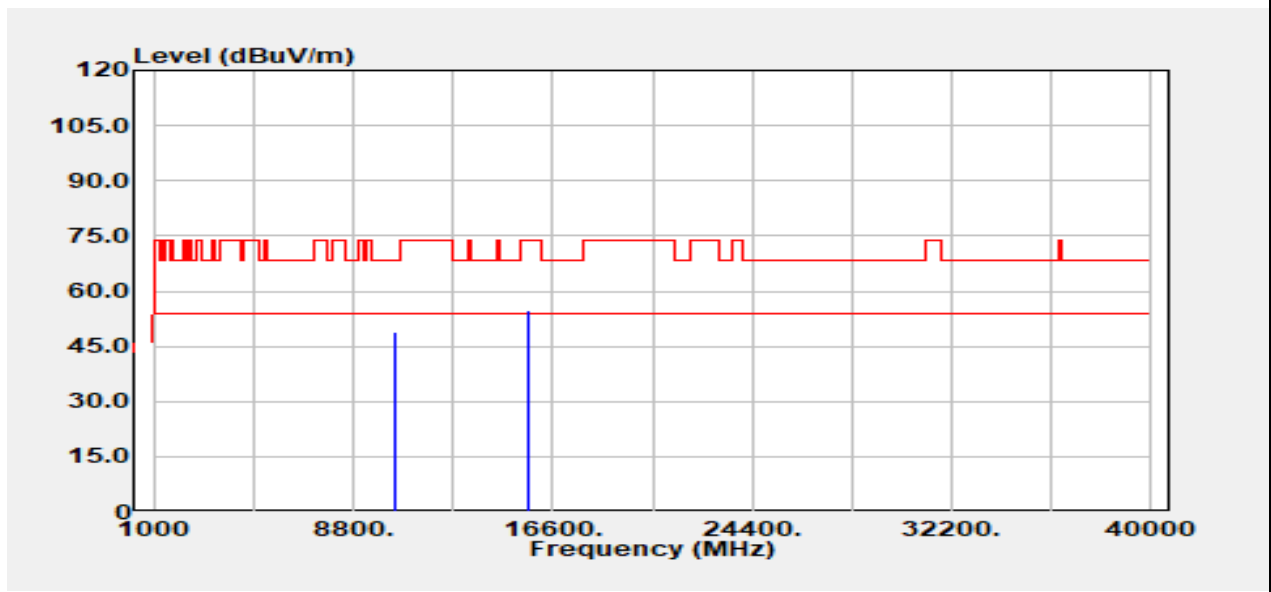


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
10360.00	Peak	29.65	18.27	47.92	68.20	-20.28
15540.00	Peak	31.97	22.34	54.31	74.00	-19.69
15540.00	Average	23.52	22.34	45.86	74.00	-28.14
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n 20 MHz / 5220MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		



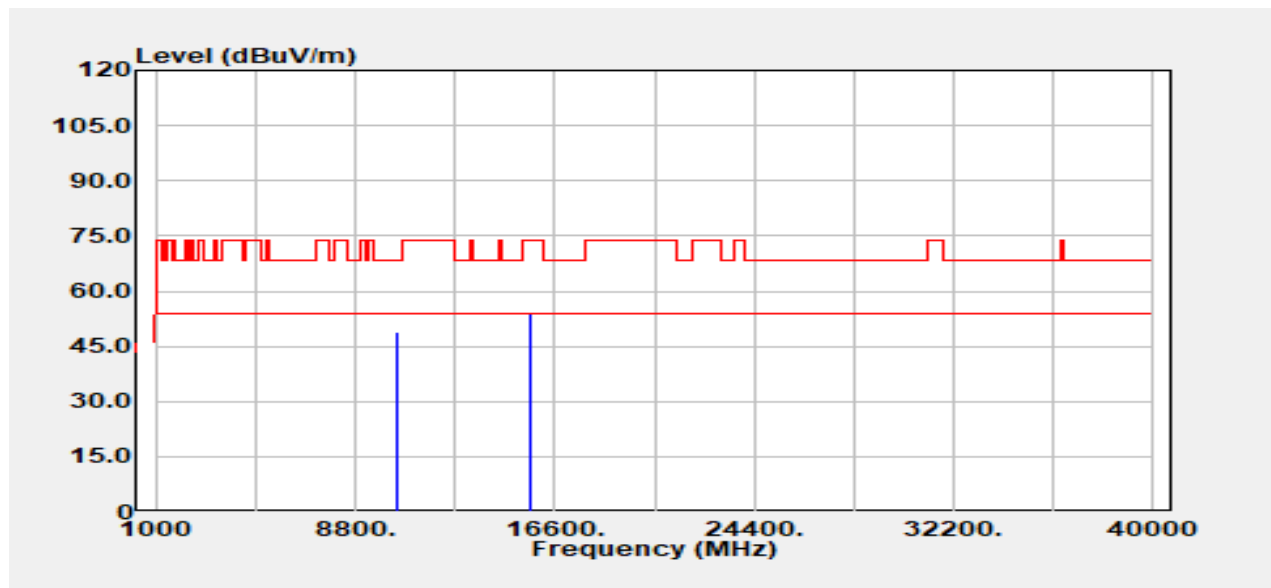
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
10440.00	Peak	30.73	18.35	49.07	68.20	-19.13
15660.00	Peak	32.26	22.55	54.82	74.00	-19.18
15660.00	Average	24.28	22.55	46.83	54.00	-7.17
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.



Test Mode	IEEE 802.11n 20 MHz / 5220MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		

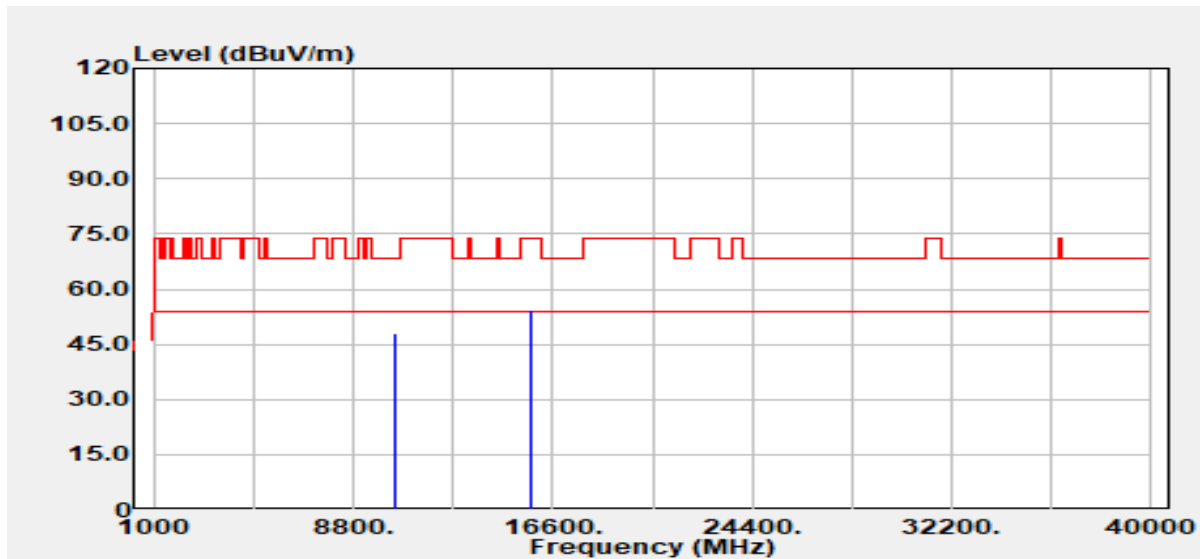


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10440.00	Peak	30.65	18.35	49.00	68.20	-19.20
15660.00	Peak	31.19	22.55	53.74	74.00	-20.26
15660.00	Average	24.37	22.55	46.93	54.00	-7.07
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz,the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Test Mode	IEEE 802.11n 20 MHz / 5240MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		

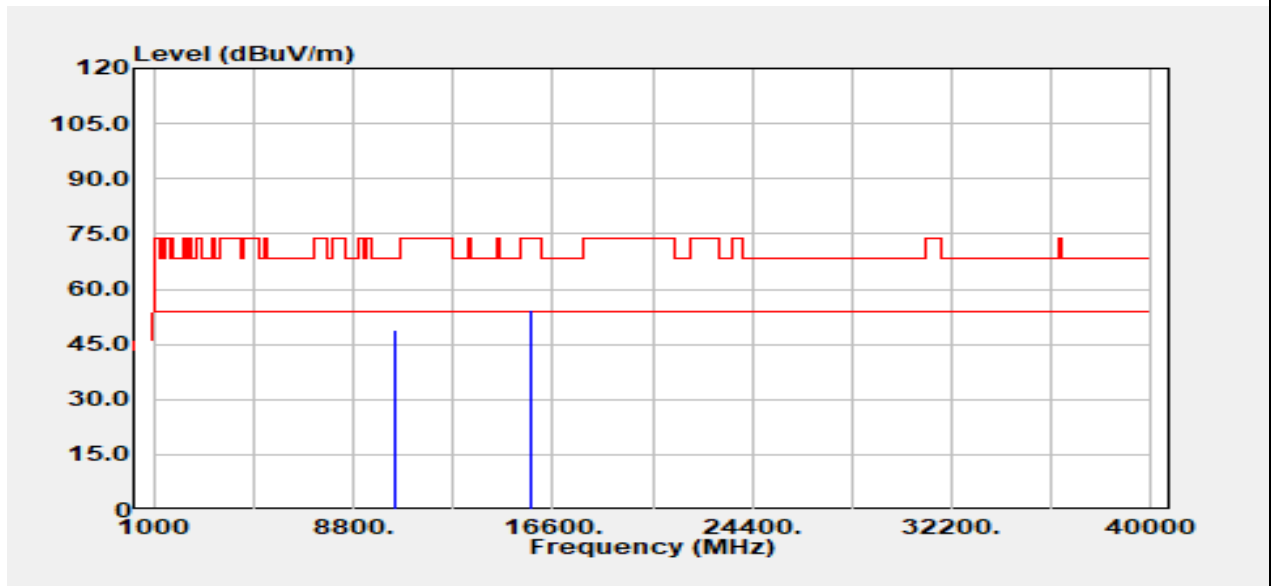


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
10480.00	Peak	29.67	18.39	48.06	68.20	-20.14
15720.00	Peak	31.41	23.12	54.53	74.00	-19.47
15720.00	Average	23.95	23.12	47.07	54.00	-6.93
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n 20 MHz / 5240MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		

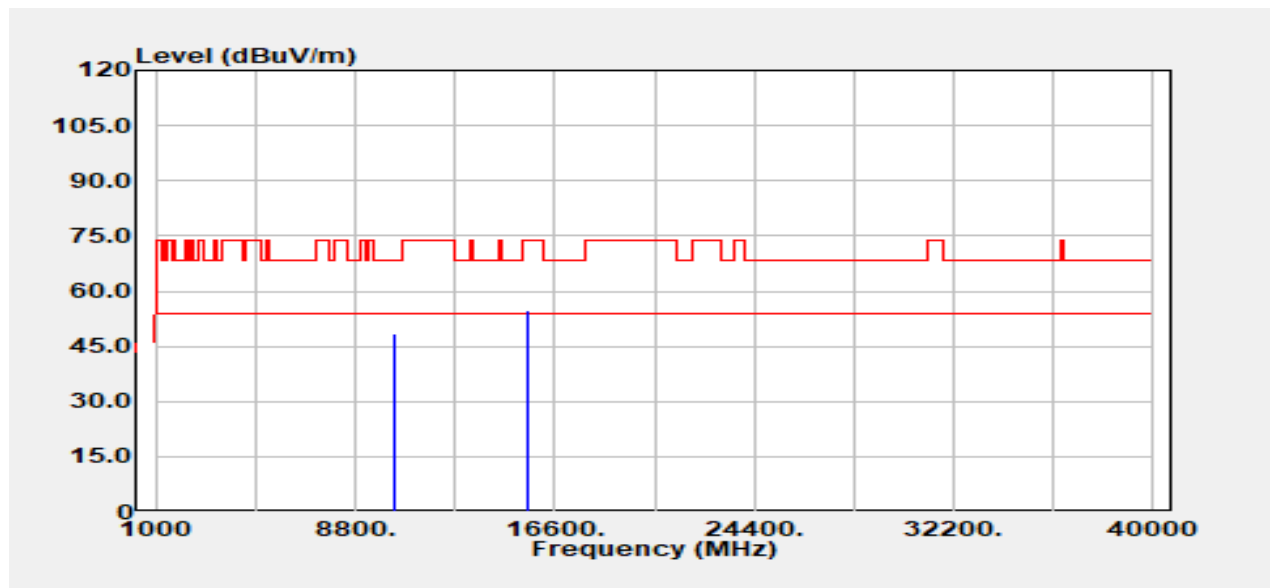


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
10480.00	Peak	30.44	18.39	48.83	68.20	-19.37
15720.00	Peak	31.00	23.12	54.13	74.00	-19.87
15720.00	Average	23.91	23.12	47.03	54.00	-6.97
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n 40 MHz / 5190MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		

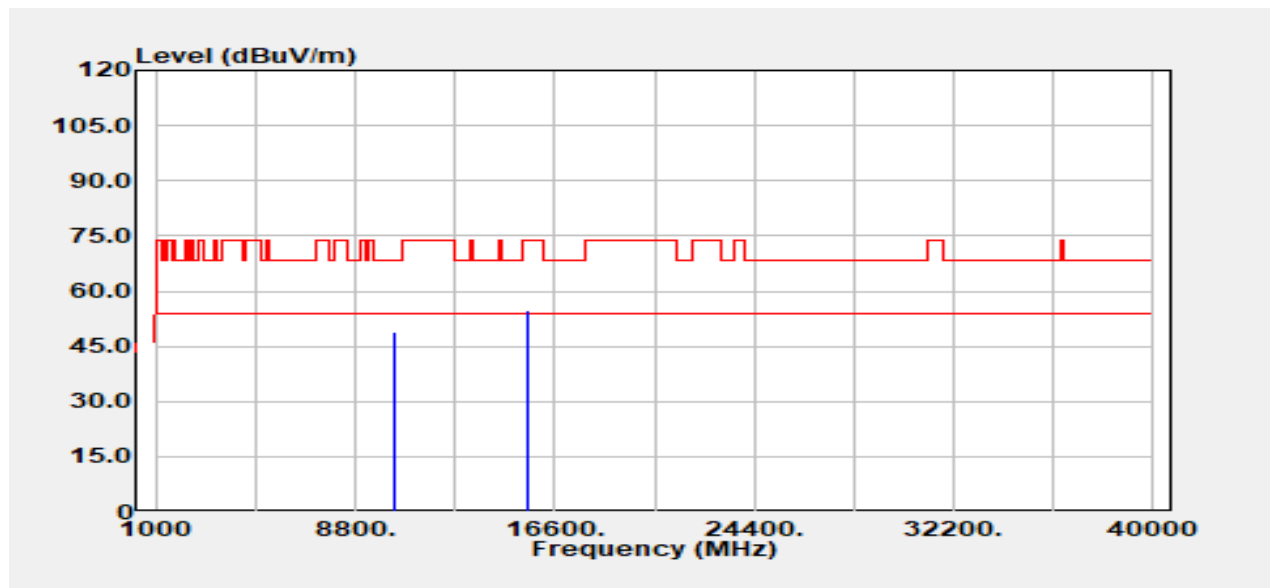


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
10380.00	Peak	30.02	18.26	48.29	68.20	-19.91
15570.00	Peak	32.65	22.26	54.91	74.00	-19.09
15570.00	Average	24.83	22.26	47.08	54.00	-6.92
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n 40 MHz / 5190MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		

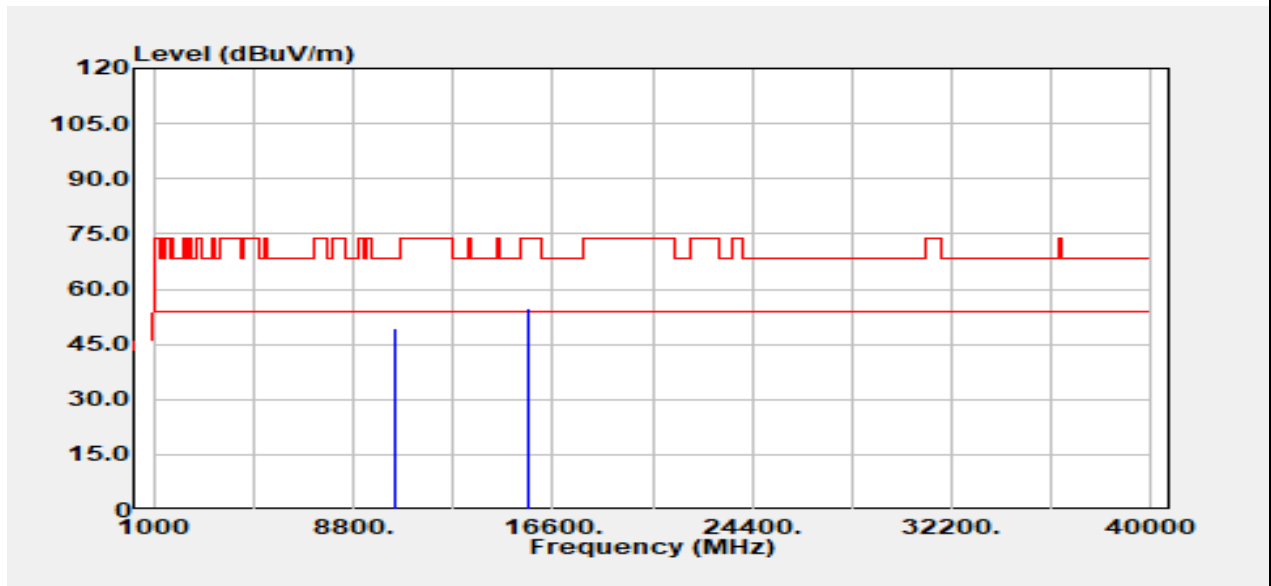


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
10380.00	Peak	30.54	18.26	48.80	68.20	-19.40
15570.00	Peak	32.47	22.26	54.73	74.00	-19.27
15570.00	Average	24.88	22.26	47.14	54.00	-6.86
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n 40 MHz / 5230MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		

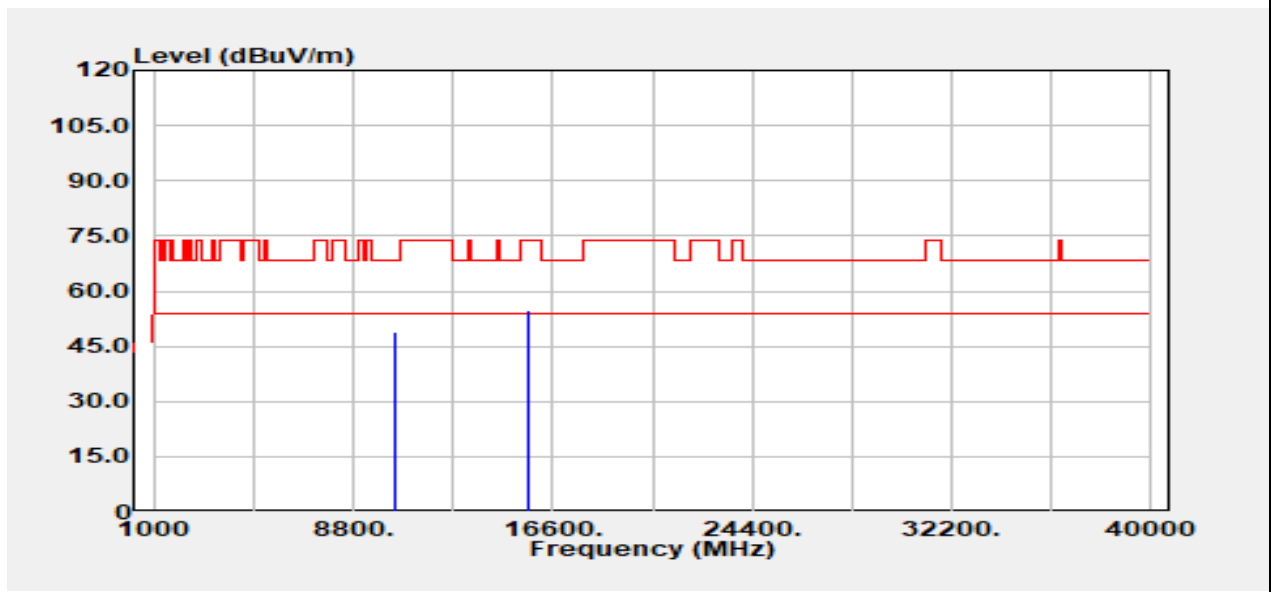


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
10460.00	Peak	30.87	18.38	49.25	68.20	-18.95
15690.00	Peak	31.65	22.92	54.57	74.00	-19.43
15690.00	Average	24.12	22.92	47.03	54.00	-6.97
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n 40 MHz / 5230MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		

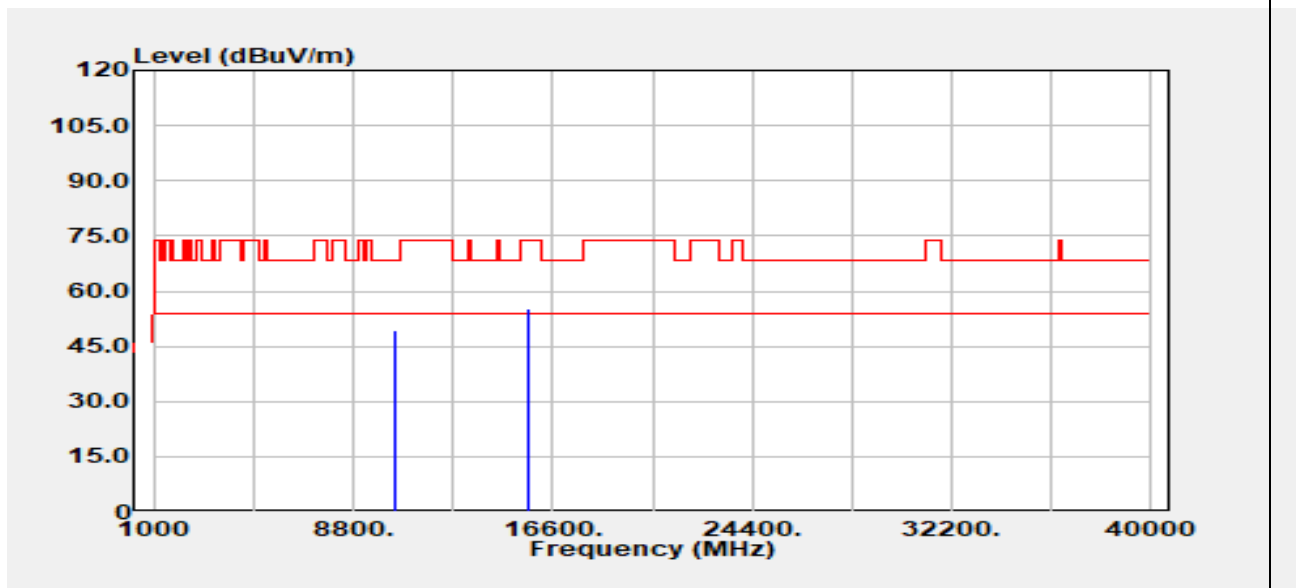


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
10460.00	Peak	30.32	18.38	48.69	68.20	-19.51
15690.00	Peak	32.05	22.92	54.97	74.00	-19.03
15690.00	Average	24.14	22.92	47.06	54.00	-6.94
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11ac VHT80 / 5210MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 28, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		



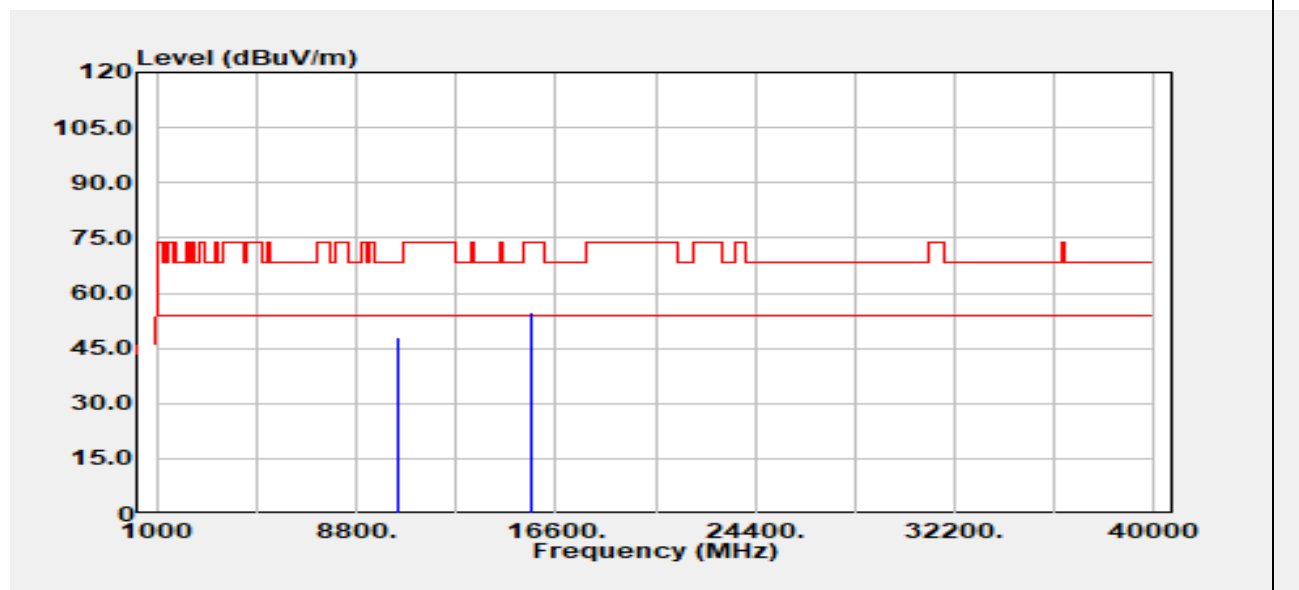
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
10420.00	Peak	31.03	18.30	49.33	68.20	-18.87
15630.00	Peak	32.70	22.32	55.02	74.00	-18.98
15630.00	Average	24.67	22.32	46.99	54.00	-7.01
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.



Test Mode	IEEE 802.11ac VHT80 / 5210MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 28, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		



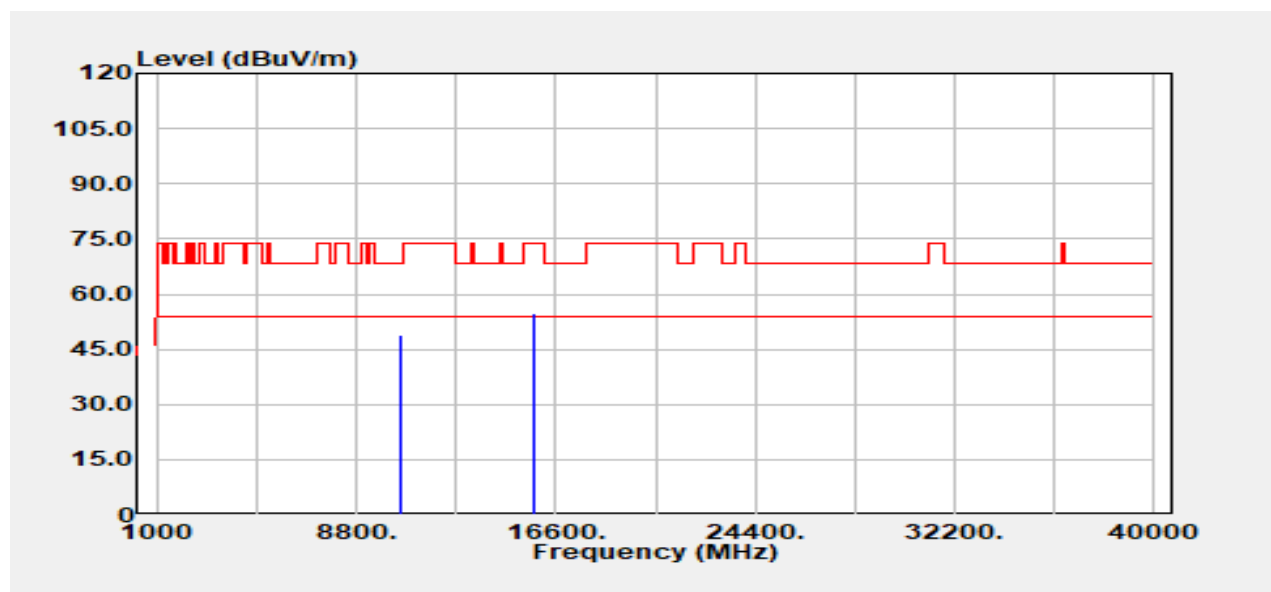
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10420.00	Peak	29.58	18.30	47.88	68.20	-20.32
15630.00	Peak	32.46	22.32	54.77	74.00	-19.23
15630.00	Average	24.74	22.32	47.06	54.00	-6.94
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

**Test Data for UNII-2a**

Test Mode	IEEE 802.11a / 5260 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Vertical	Test Engineer	Tony Chao
Detector	Peak & Average		

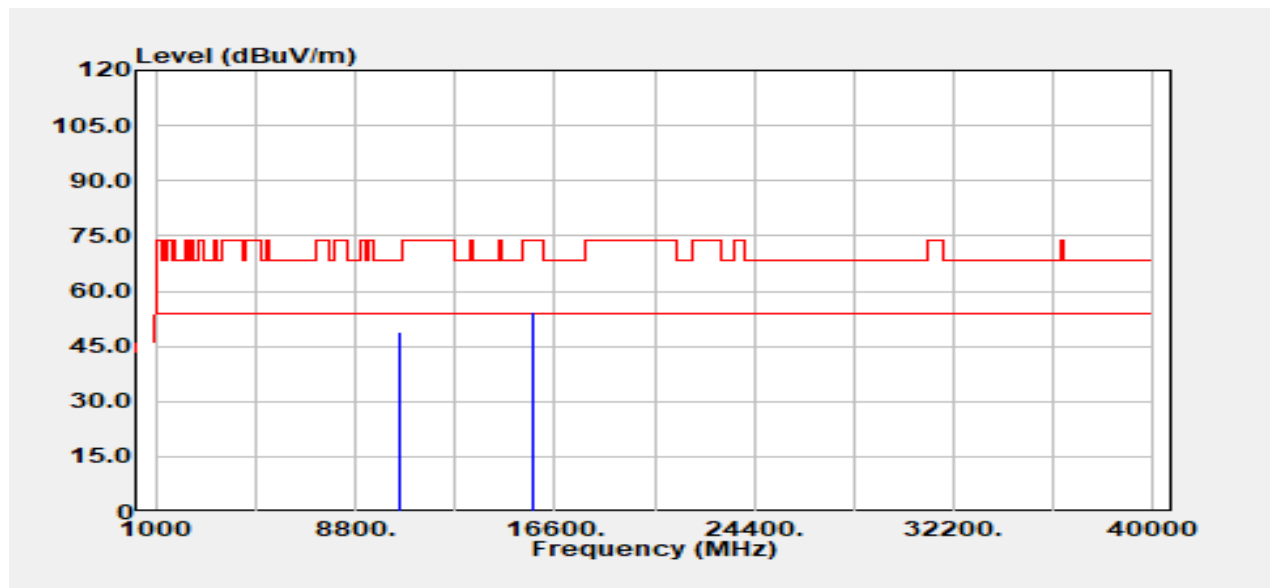


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10520.00	Peak	30.49	18.42	48.91	68.20	-19.29
15780.00	Peak	31.44	23.49	54.93	74.00	-19.07
15780.00	Average	23.05	23.49	46.54	54.00	-7.46
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11a / 5260 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Horizontal	Test Engineer	Tony Chao
Detector	Peak & Average		

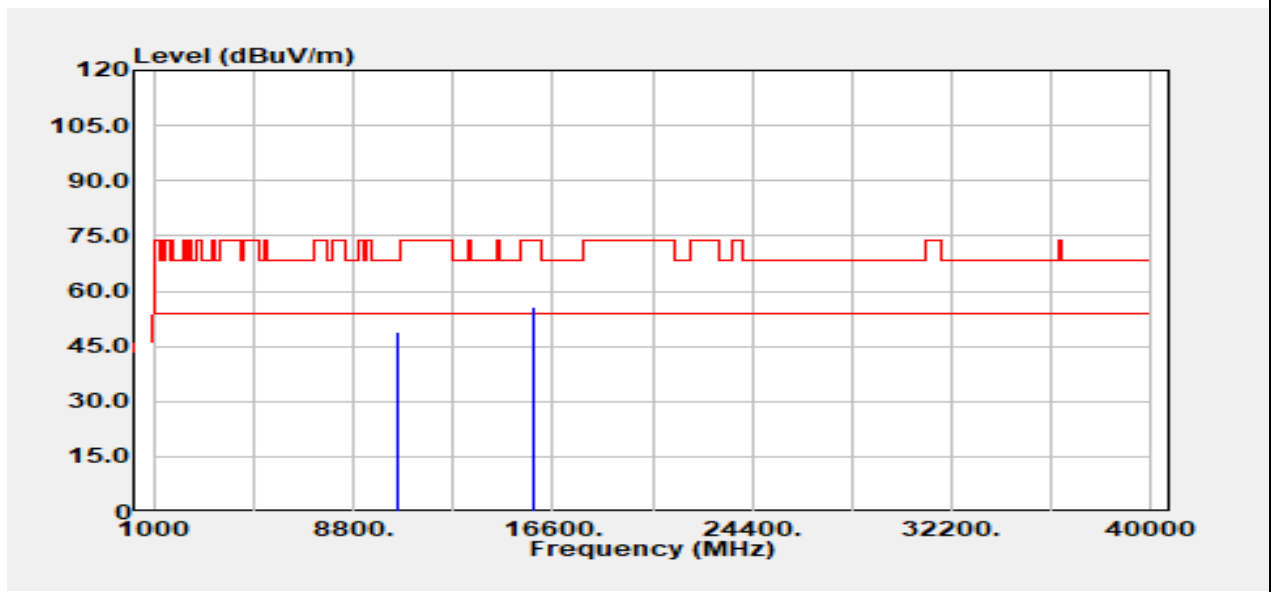


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
10520.00	Peak	30.26	18.42	48.68	68.20	-19.52
15780.00	Peak	30.77	23.49	54.26	74.00	-19.74
15780.00	Average	23.71	23.49	47.20	54.00	-6.80
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11a / 5280 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Vertical	Test Engineer	Tony Chao
Detector	Peak & Average		

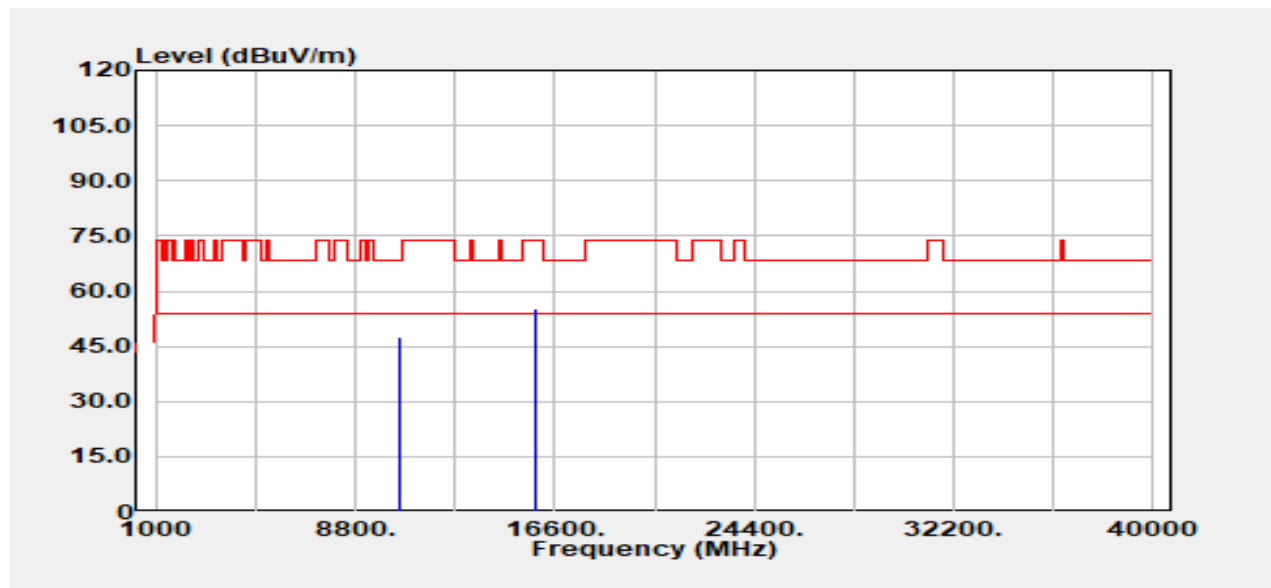


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
10560.00	Peak	30.36	18.47	48.83	68.20	-19.37
15840.00	Peak	32.06	23.71	55.77	74.00	-18.23
15840.00	Average	21.87	23.71	45.58	54.00	-8.42
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11a / 5280 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Horizontal	Test Engineer	Tony Chao
Detector	Peak & Average		

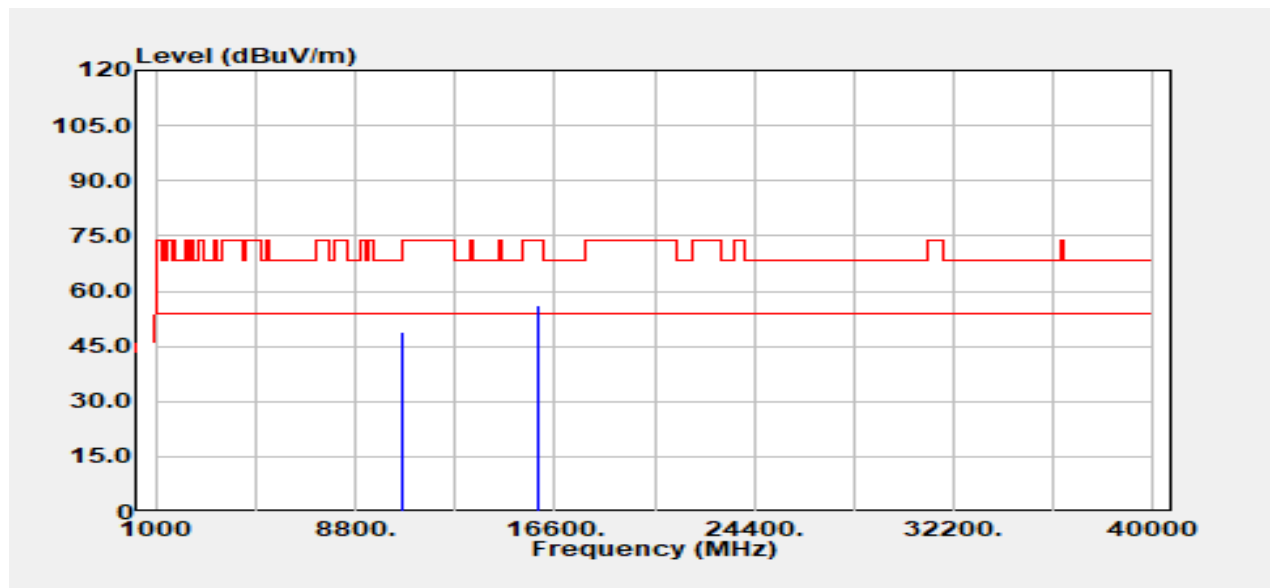


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10560.00	Peak	29.23	18.47	47.69	68.20	-20.51
15840.00	Peak	31.34	23.71	55.06	74.00	-18.94
15840.00	Average	22.09	23.71	45.80	54.00	-8.20
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11a / 5320 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Vertical	Test Engineer	Tony Chao
Detector	Peak & Average		

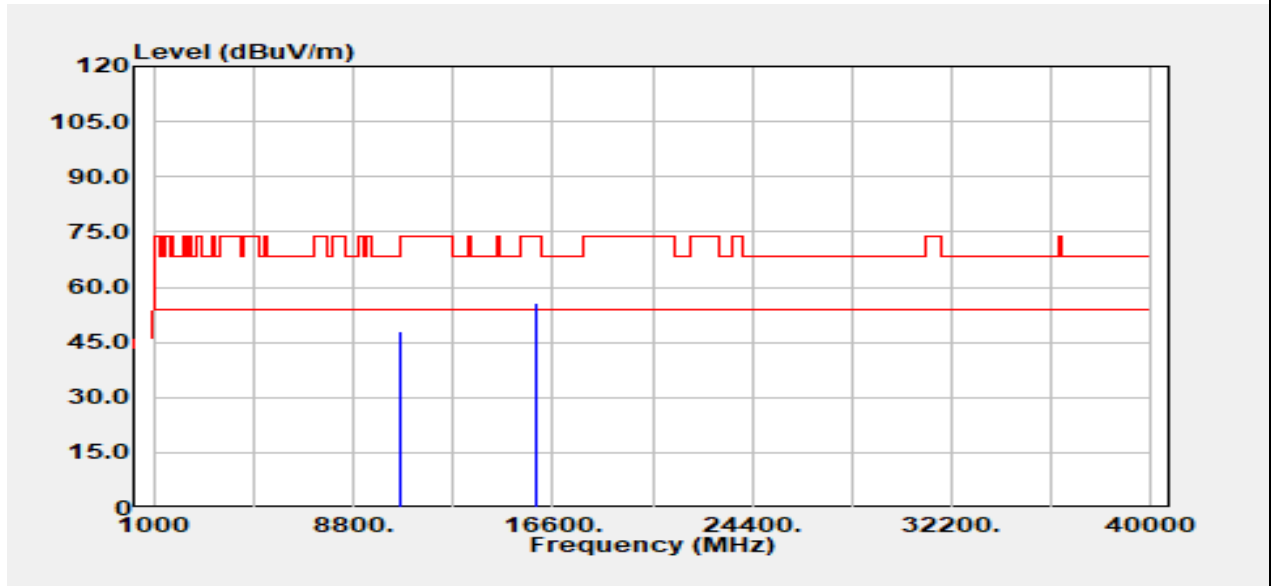


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
10640.00	Peak	30.22	18.57	48.79	74.00	-25.21
10640.00	Average	22.09	18.57	40.66	54.00	-13.34
15960.00	Peak	31.60	24.52	56.11	74.00	-17.89
15960.00	Average	23.34	24.52	47.86	54.00	-6.14

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11a / 5320 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Horizontal	Test Engineer	Tony Chao
Detector	Peak & Average		

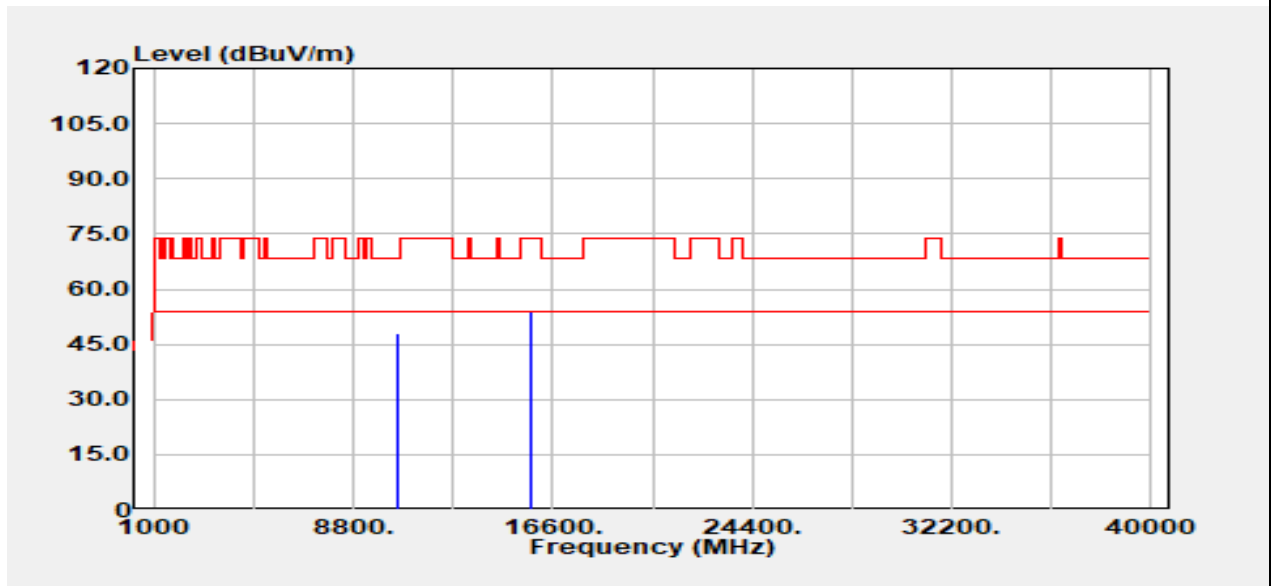


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
10640.00	Peak	29.52	18.57	48.09	74.00	-25.91
10640.00	Average	20.67	18.57	39.24	54.00	-14.76
15960.00	Peak	31.02	24.52	55.53	74.00	-18.47
15960.00	Average	23.43	24.52	47.95	54.00	-6.05

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n 20 MHz / 5260 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		



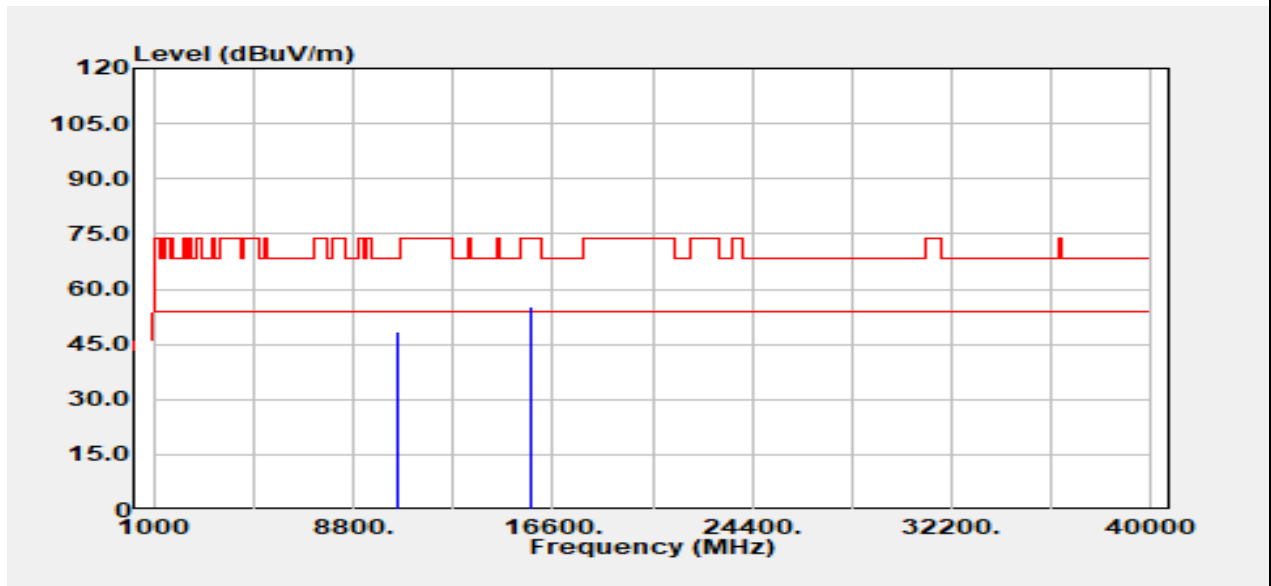
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
10520.00	Peak	29.77	18.42	48.19	68.20	-20.01
15780.00	Peak	30.55	23.49	54.04	74.00	-19.96
15780.00	Average	23.81	23.49	47.30	54.00	-6.70
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.



Test Mode	IEEE 802.11n 20 MHz / 5260 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		

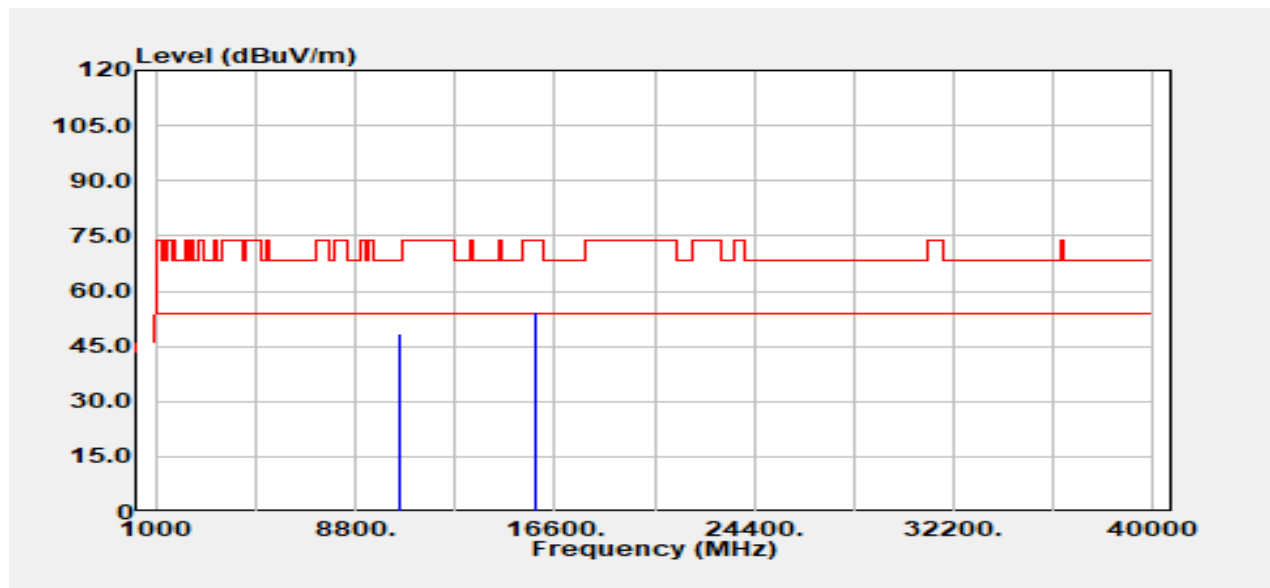


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
10520.00	Peak	30.14	18.42	48.56	68.20	-19.64
15780.00	Peak	31.54	23.49	55.03	74.00	-18.97
15780.00	Average	23.76	23.49	47.25	54.00	-6.75
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest

Test Mode	IEEE 802.11n 20 MHz / 5280 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		

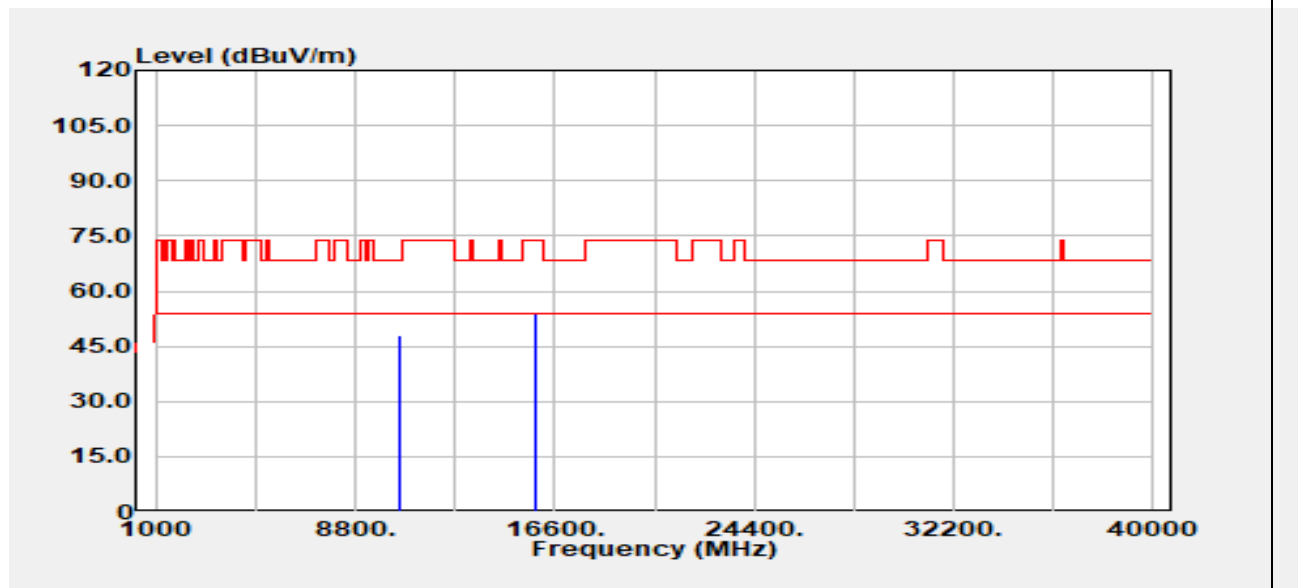


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
10560.00	Peak	30.10	18.47	48.57	68.20	-19.63
15840.00	Peak	30.72	23.71	54.43	74.00	-19.57
15840.00	Average	23.71	23.71	47.43	54.00	-6.57
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n 20 MHz / 5280 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		

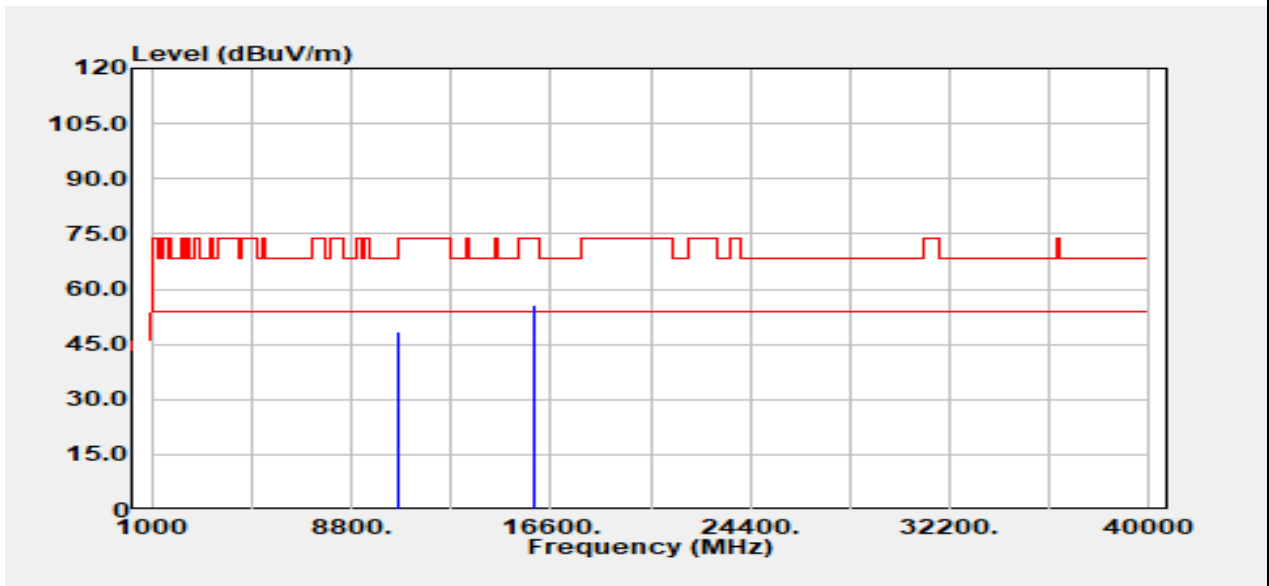


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
10560.00	Peak	29.47	18.47	47.94	68.20	-20.26
15840.00	Peak	30.04	23.71	53.75	74.00	-20.25
15840.00	Average	23.71	23.71	47.42	54.00	-6.58
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n 20 MHz / 5320 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		

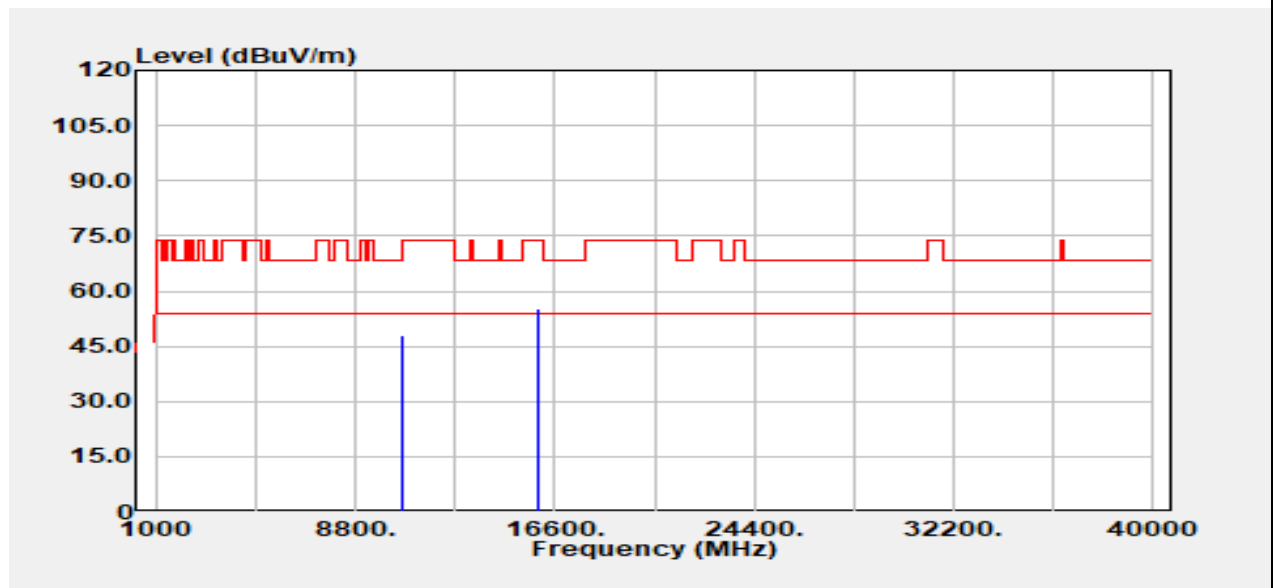


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
10640.00	Peak	30.09	18.57	48.66	74.00	-25.34
10640.00	Average	22.32	18.57	40.89	54.00	-13.11
15960.00	Peak	31.05	24.52	55.56	74.00	-18.44
15960.00	Average	24.11	24.52	48.63	54.00	-5.37

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n 20 MHz / 5320 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		

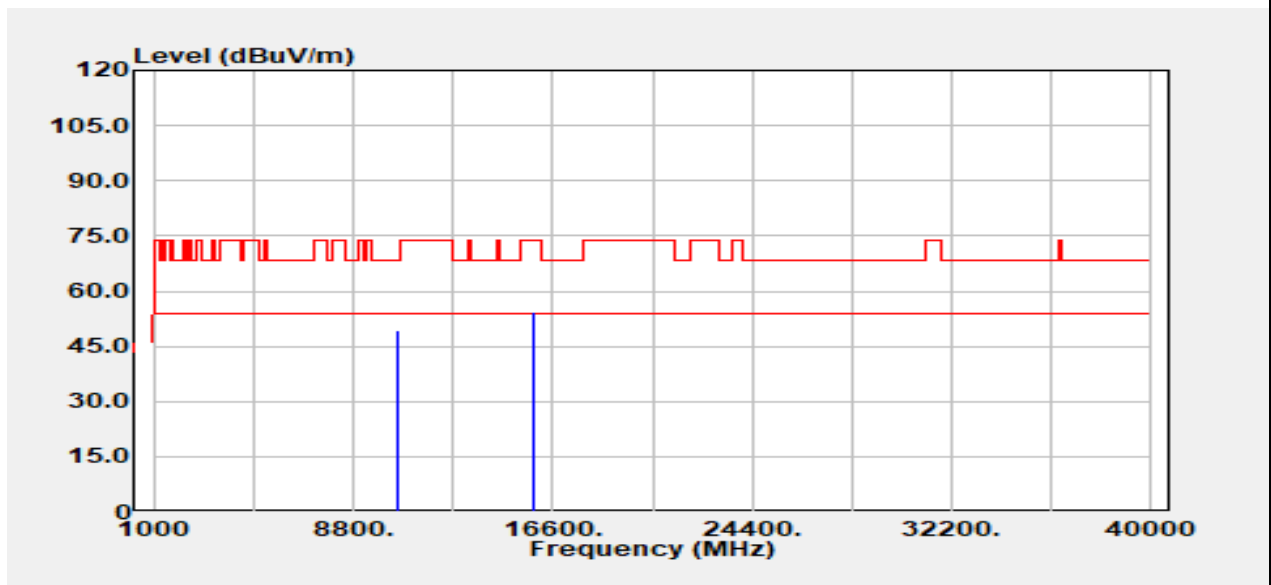


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
10640.00	Peak	29.31	18.57	47.88	74.00	-26.12
10640.00	Average	22.37	18.57	40.94	54.00	-13.06
15960.00	Peak	30.68	24.52	55.20	74.00	-18.80
15960.00	Average	24.20	24.52	48.72	54.00	-5.28

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n 40 MHz / 5270 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		

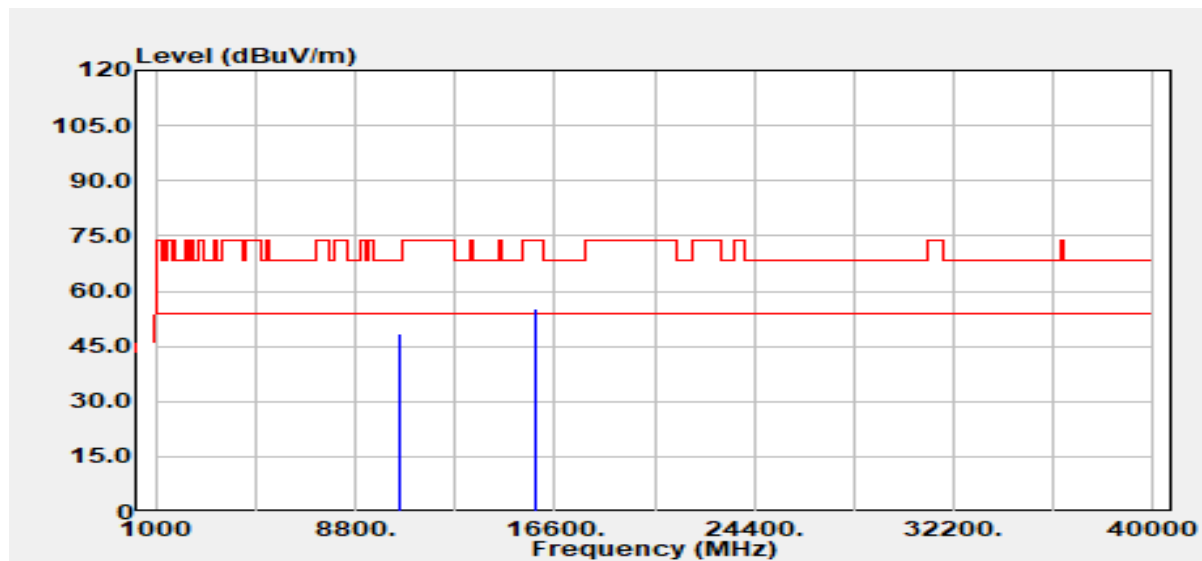


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
10540.00	Peak	30.96	18.45	49.41	68.20	-18.79
15810.00	Peak	30.76	23.67	54.43	74.00	-19.57
15810.00	Average	23.77	23.67	47.43	54.00	-6.57
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n 40 MHz / 5270 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		

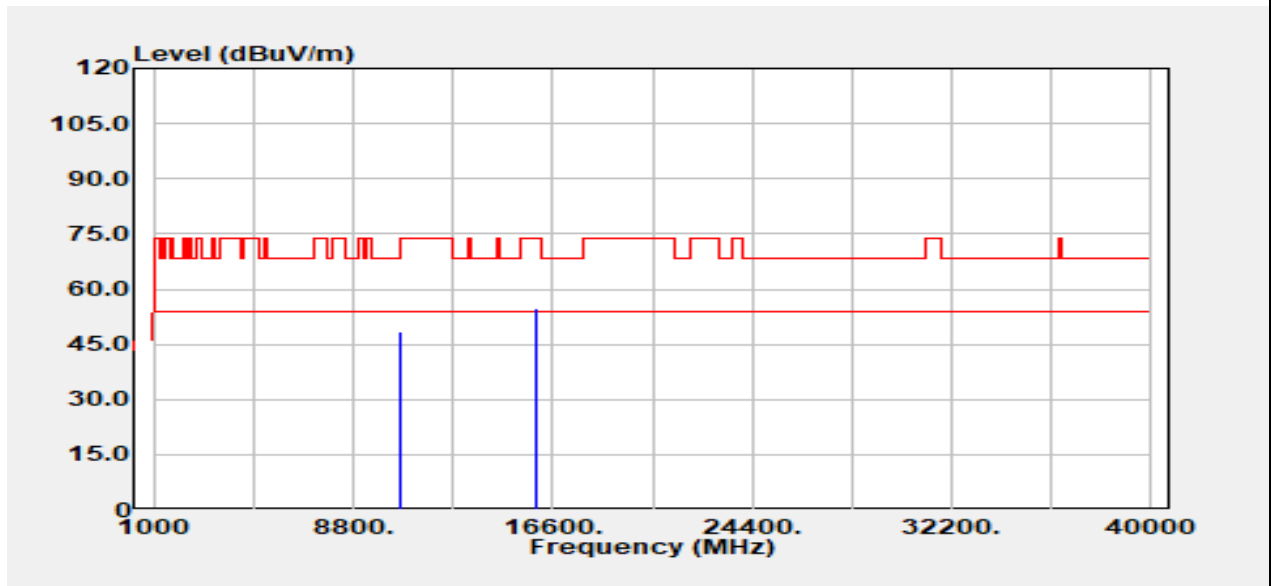


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
10540.00	Peak	29.92	18.45	48.37	68.20	-19.83
15810.00	Peak	31.57	23.67	55.23	74.00	-18.77
15810.00	Average	23.87	23.67	47.54	54.00	-6.46
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n 40 MHz / 5310 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		



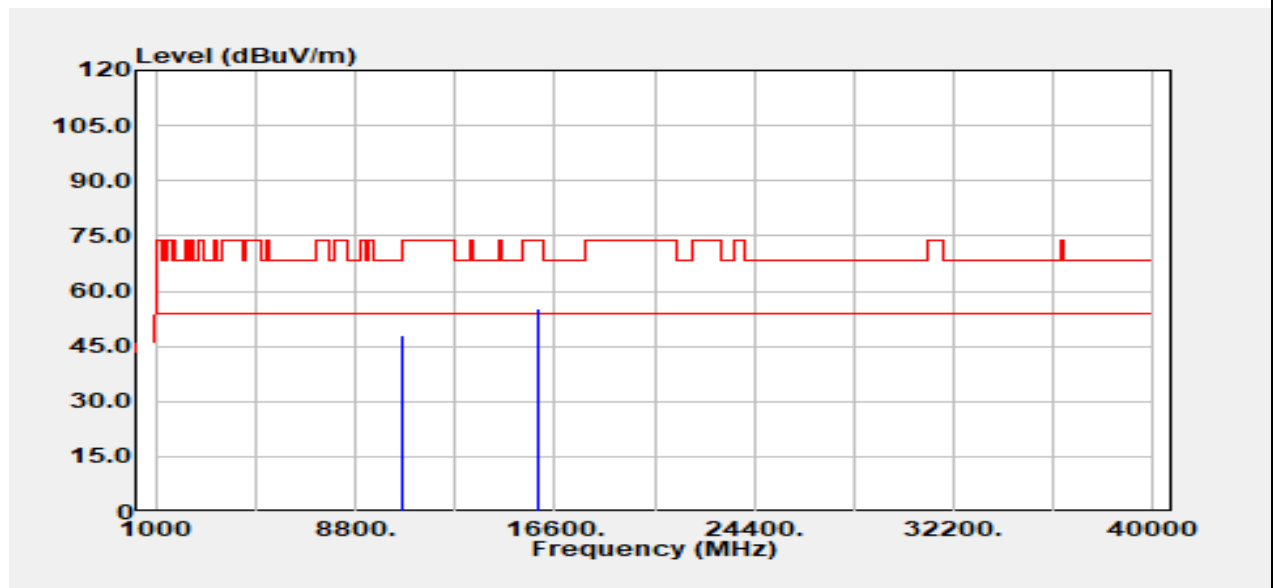
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
10620.00	Peak	29.82	18.53	48.35	74.00	-25.65
10620.00	Average	22.28	18.53	40.81	54.00	-13.19
15930.00	Peak	30.60	24.28	54.88	74.00	-19.12
15930.00	Average	24.19	24.28	48.47	54.00	-5.53

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.



Test Mode	IEEE 802.11n 40 MHz / 5310 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		

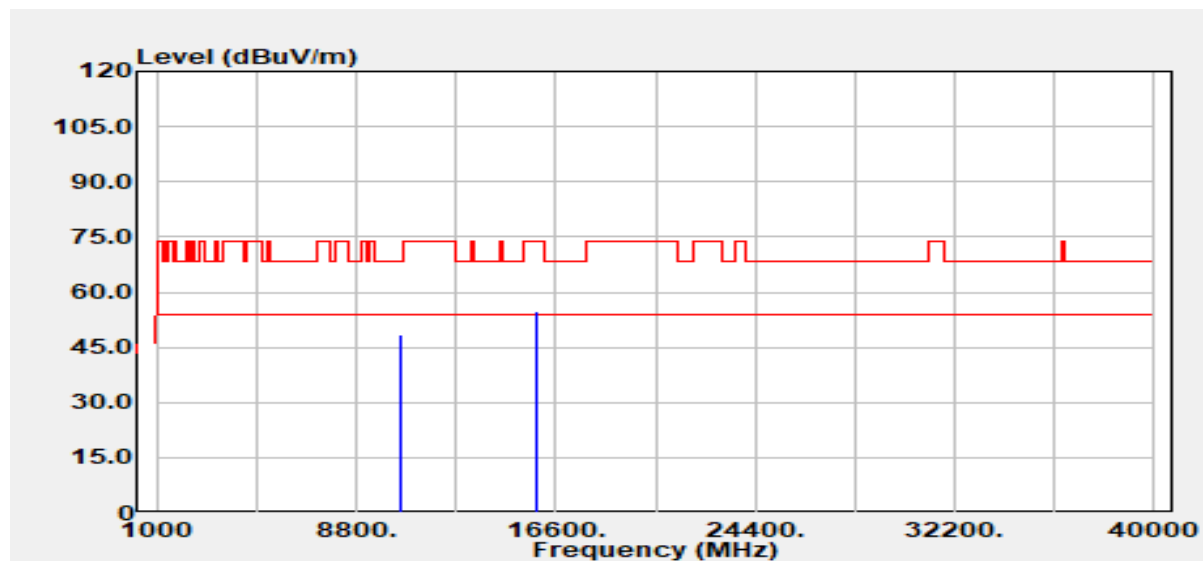


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10620.00	Peak	29.34	18.53	47.87	74.00	-26.13
10620.00	Average	22.31	18.53	40.84	54.00	-13.16
15930.00	Peak	30.96	24.28	55.24	74.00	-18.76
15930.00	Average	24.15	24.28	48.43	54.00	-5.57

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11ac VHT80 / 5290 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 28, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		

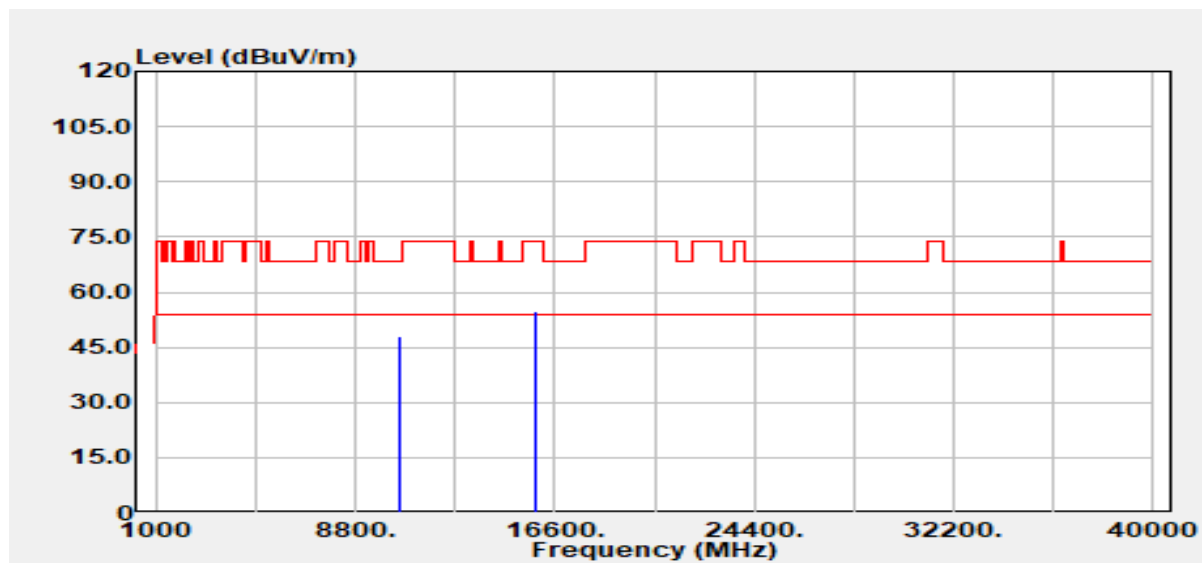


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
10580.00	Peak	29.97	18.48	48.45	68.20	-19.75
15870.00	Peak	30.73	23.87	54.61	74.00	-19.39
15870.00	Average	23.87	23.87	47.75	54.00	-6.25
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11ac VHT80 / 5290 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 28, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		



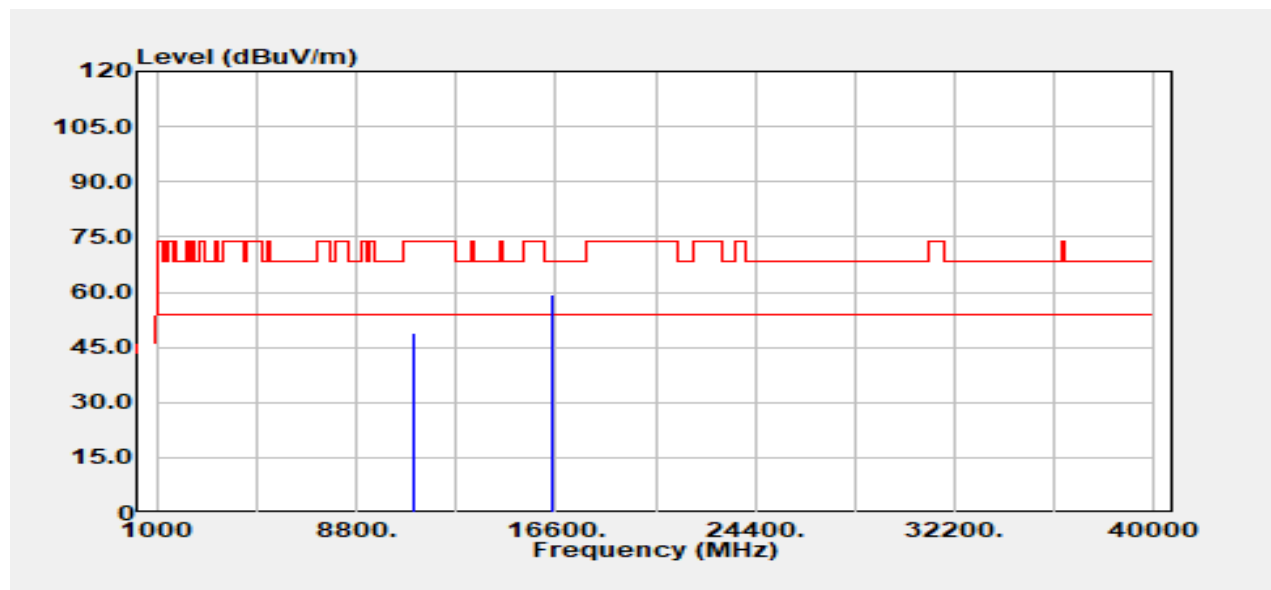
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10580.00	Peak	29.61	18.48	48.09	68.20	-20.11
15870.00	Peak	30.89	23.87	54.76	74.00	-19.24
15870.00	Average	24.07	23.87	47.94	54.00	-6.06
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

**Test Data for UNII-2c**

Test Mode	IEEE 802.11a / 5500 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Vertical	Test Engineer	Tony Chao
Detector	Peak & Average		

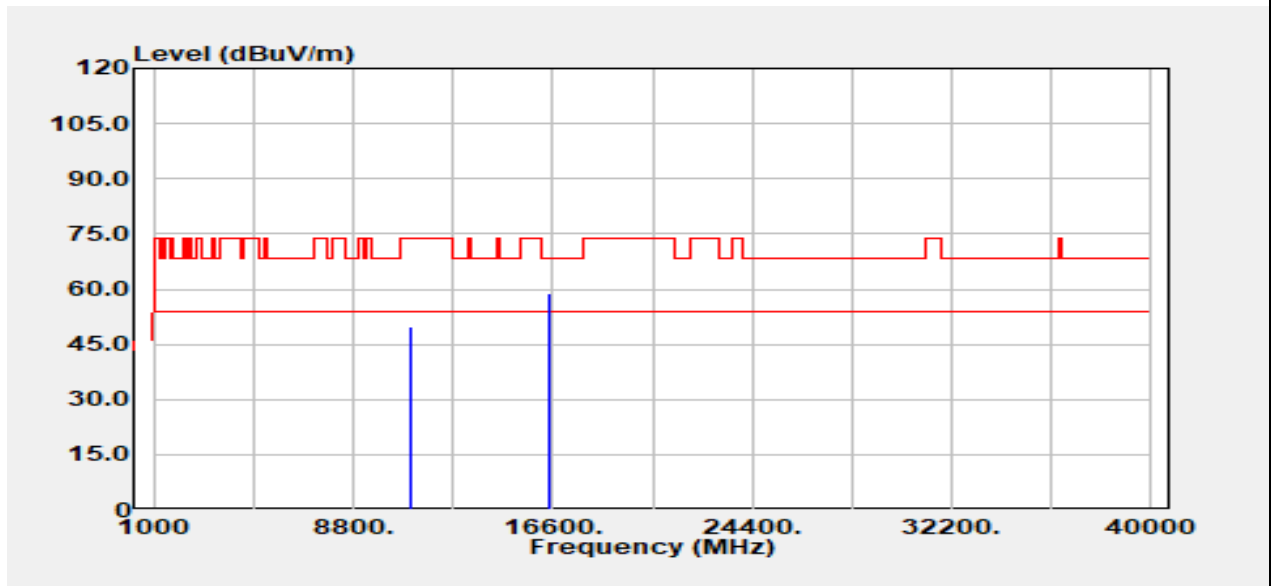


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11000.00	Peak	29.61	19.45	49.06	74.00	-24.94
11000.00	Average	23.48	19.45	42.93	54.00	-11.07
16500.00	Peak	30.35	28.79	59.14	68.20	-9.06
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11a / 5500 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Horizontal	Test Engineer	Tony Chao
Detector	Peak & Average		

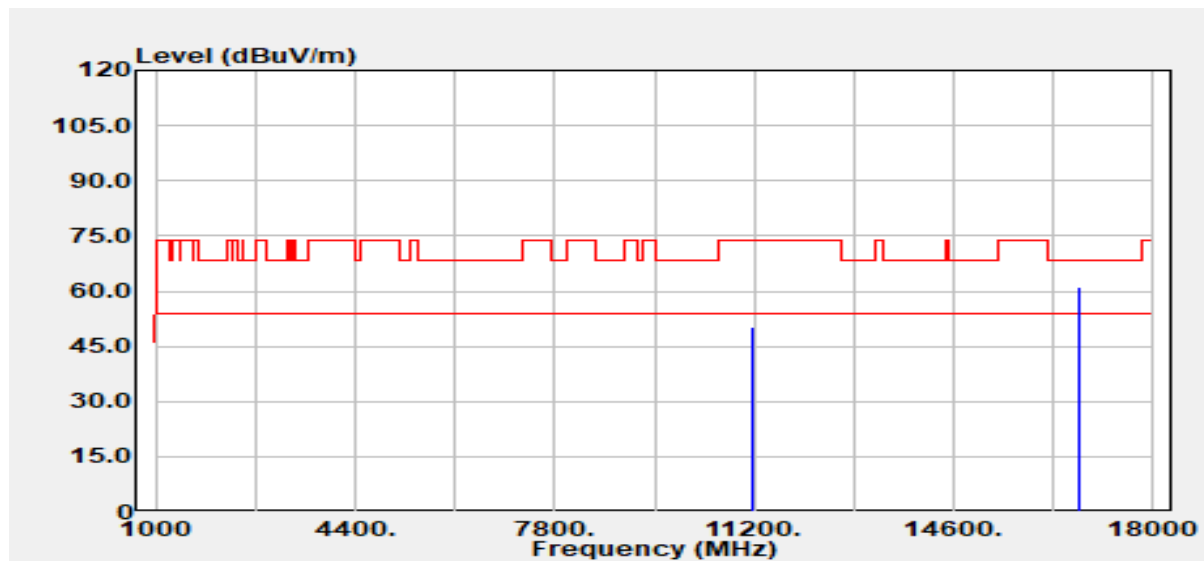


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
11000.00	Peak	30.44	19.45	49.89	74.00	-24.11
11000.00	Average	23.36	19.45	42.81	54.00	-11.19
16500.00	Peak	30.02	28.79	58.81	68.20	-9.39
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11a / 5580 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Vertical	Test Engineer	Tony Chao
Detector	Peak & Average		

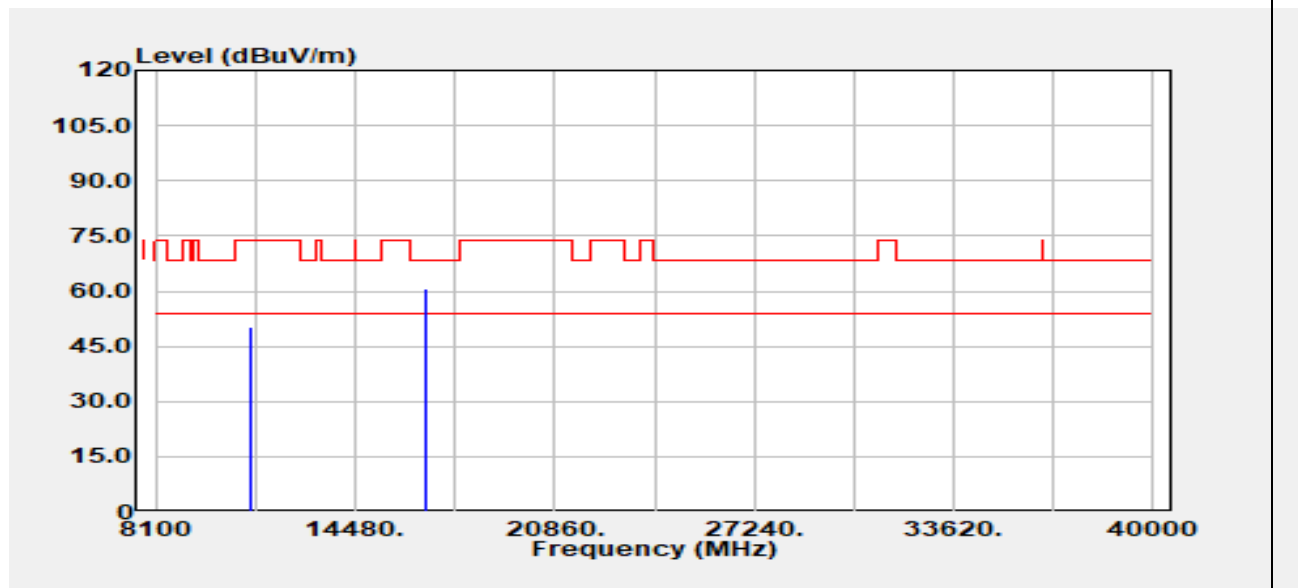


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
11160.00	Peak	30.56	19.49	50.05	74.00	-23.95
11160.00	Average	21.89	19.49	41.38	54.00	-12.62
16740.00	Peak	30.99	30.22	61.22	68.20	-6.98
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11a / 5580 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Horizontal	Test Engineer	Tony Chao
Detector	Peak & Average		

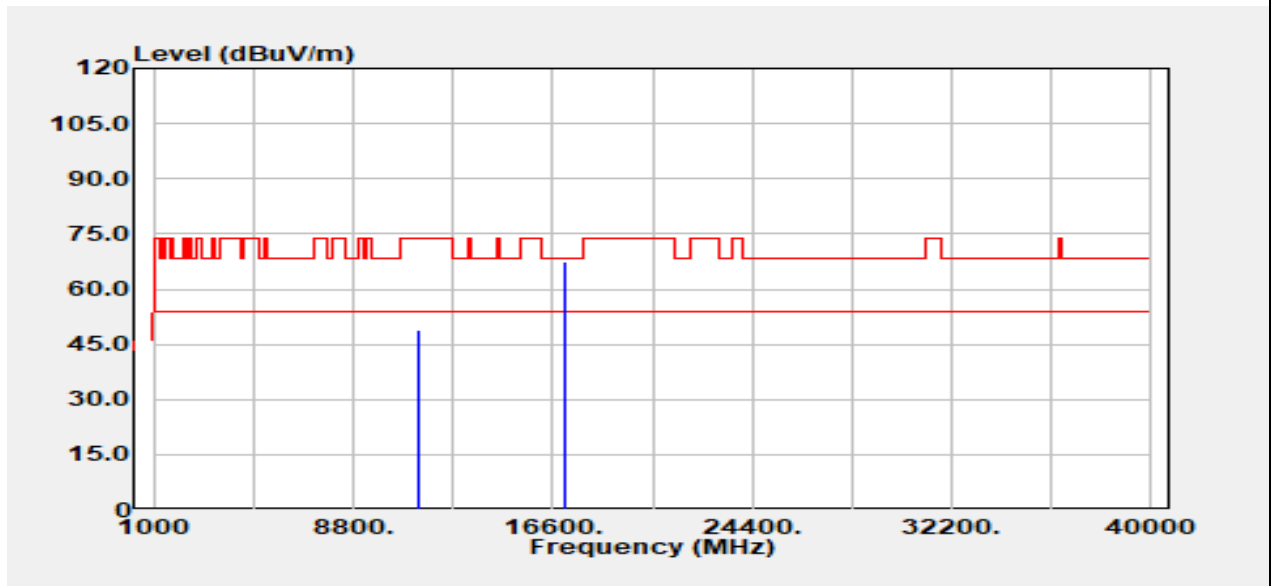


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11160.00	Peak	30.88	19.49	50.38	74.00	-23.62
11160.00	Average	22.10	19.49	41.59	54.00	-12.41
16740.00	Peak	30.48	30.22	60.70	68.20	-7.50
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11a / 5700 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Vertical	Test Engineer	Tony Chao
Detector	Peak & Average		



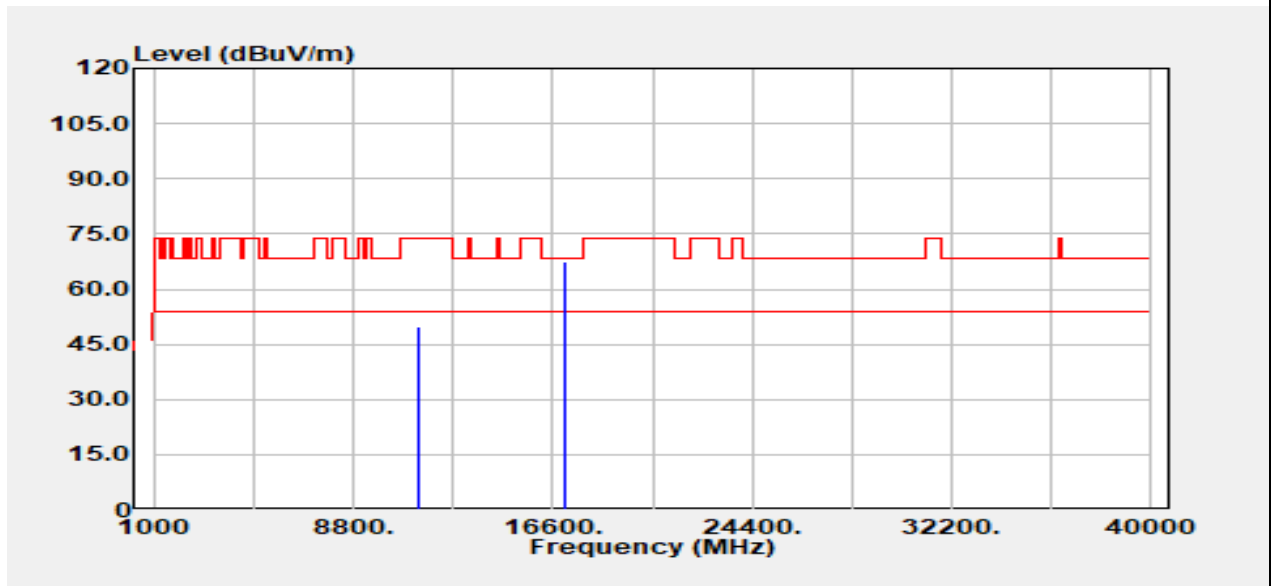
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dμV	Factor dB	Actual FS dμV/m	Limit @3m dμV/m	Margin dB
11400.00	Peak	29.51	19.26	48.77	74.00	-25.23
11400.00	Average	20.22	19.26	39.48	54.00	-14.52
17100.00	Peak	32.63	34.81	67.44	68.20	-0.76
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.



Test Mode	IEEE 802.11a / 5700 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Horizontal	Test Engineer	Tony Chao
Detector	Peak & Average		

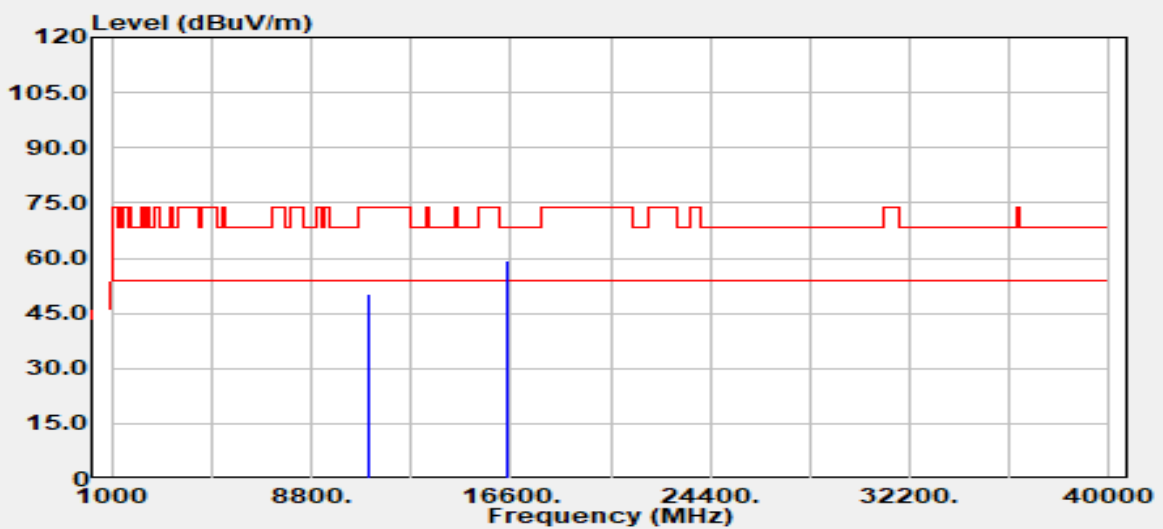


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dμV	Factor dB	Actual FS dμV/m	Limit @3m dμV/m	Margin dB
11400.00	Peak	30.37	19.26	49.63	74.00	-24.37
11400.00	Average	20.41	19.26	39.67	54.00	-14.33
17100.00	Peak	32.61	34.81	67.42	68.20	-0.78
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n 20 MHz / 5500 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		

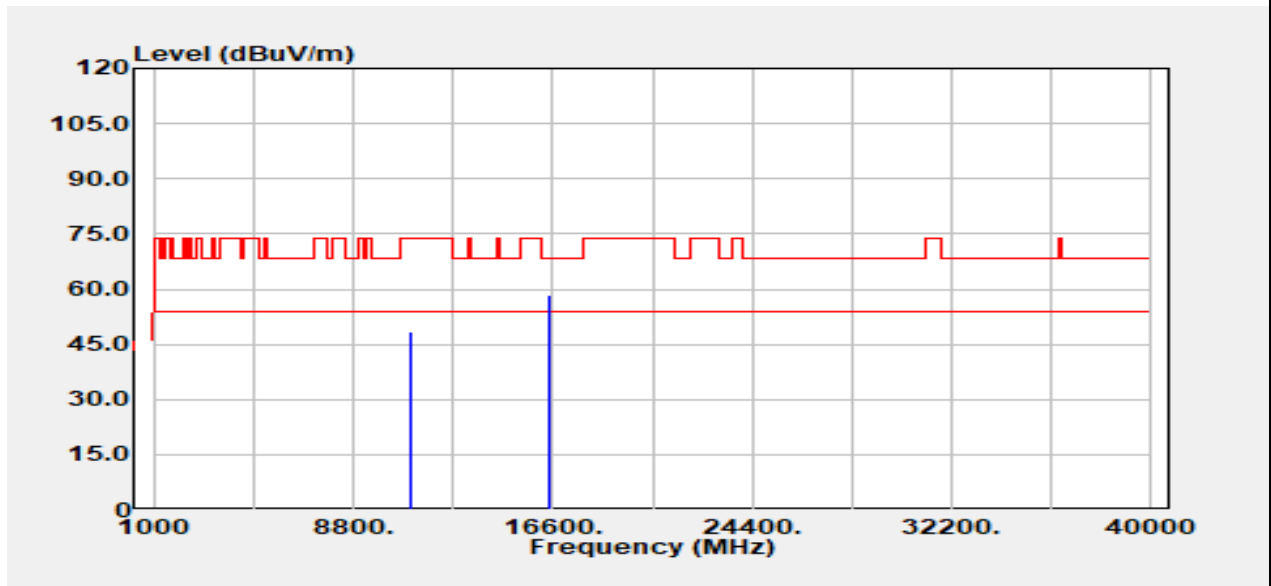


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11000.00	Peak	30.80	19.45	50.25	74.00	-23.75
11000.00	Average	23.58	19.45	43.03	54.00	-10.97
16500.00	Peak	30.48	28.79	59.27	68.20	-8.93
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n 20 MHz / 5500 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		

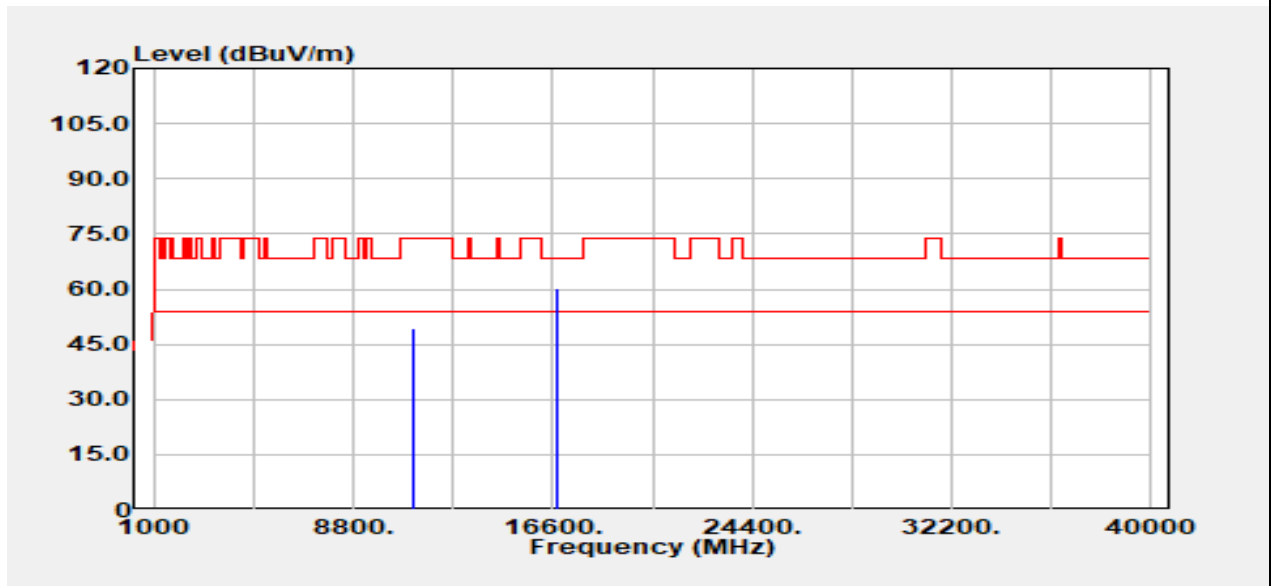


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
11000.00	Peak	28.97	19.45	48.42	74.00	-25.58
11000.00	Average	23.62	19.45	43.07	54.00	-10.93
16500.00	Peak	29.43	28.79	58.22	68.20	-9.98
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n 20 MHz / 5580 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		

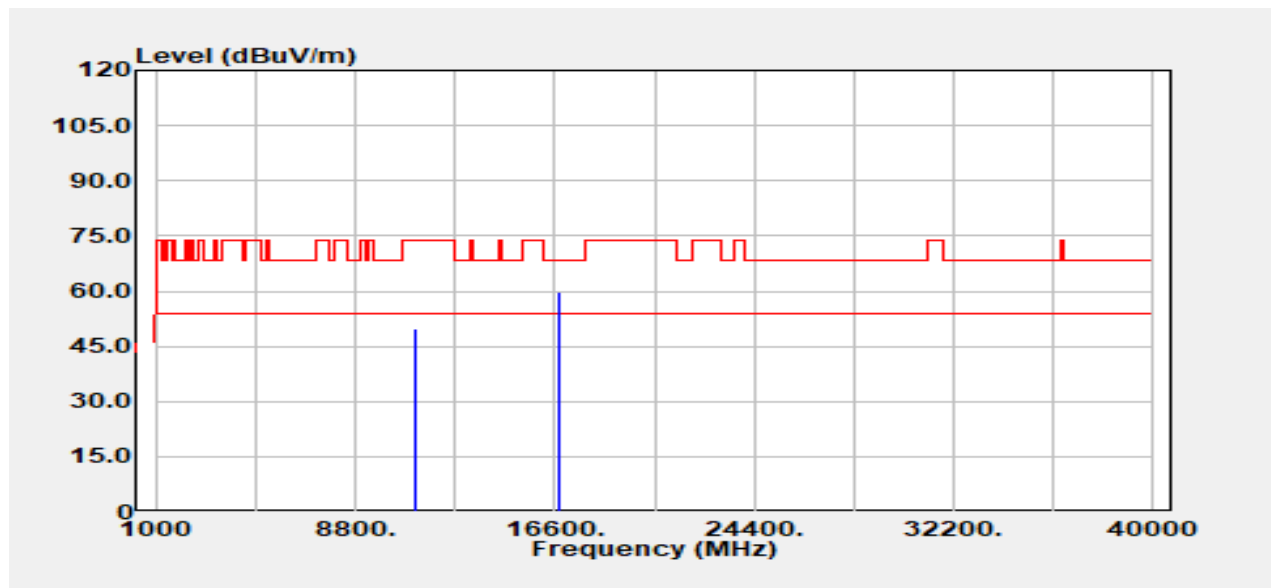


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
11160.00	Peak	29.70	19.49	49.19	74.00	-24.81
11160.00	Average	23.55	19.49	43.04	54.00	-10.96
16740.00	Peak	29.91	30.22	60.13	68.20	-8.07
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n 20 MHz / 5580 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		

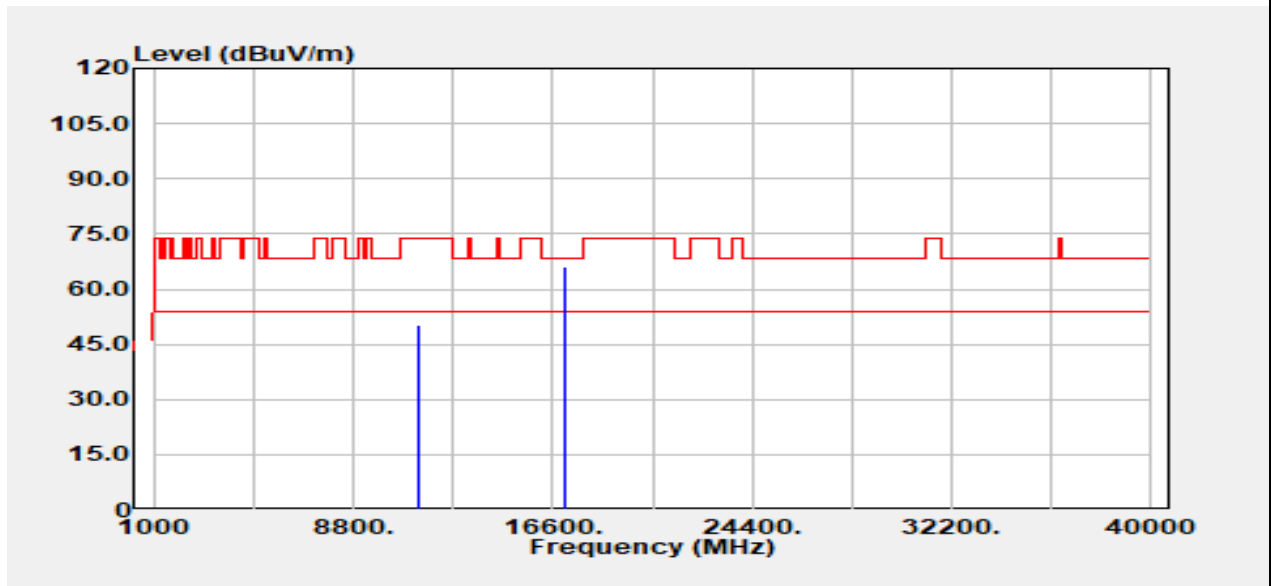


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
11160.00	Peak	30.23	19.49	49.72	74.00	-24.28
11160.00	Average	23.65	19.49	43.14	54.00	-10.86
16740.00	Peak	29.73	30.22	59.95	68.20	-8.25
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n 20 MHz / 5700 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		

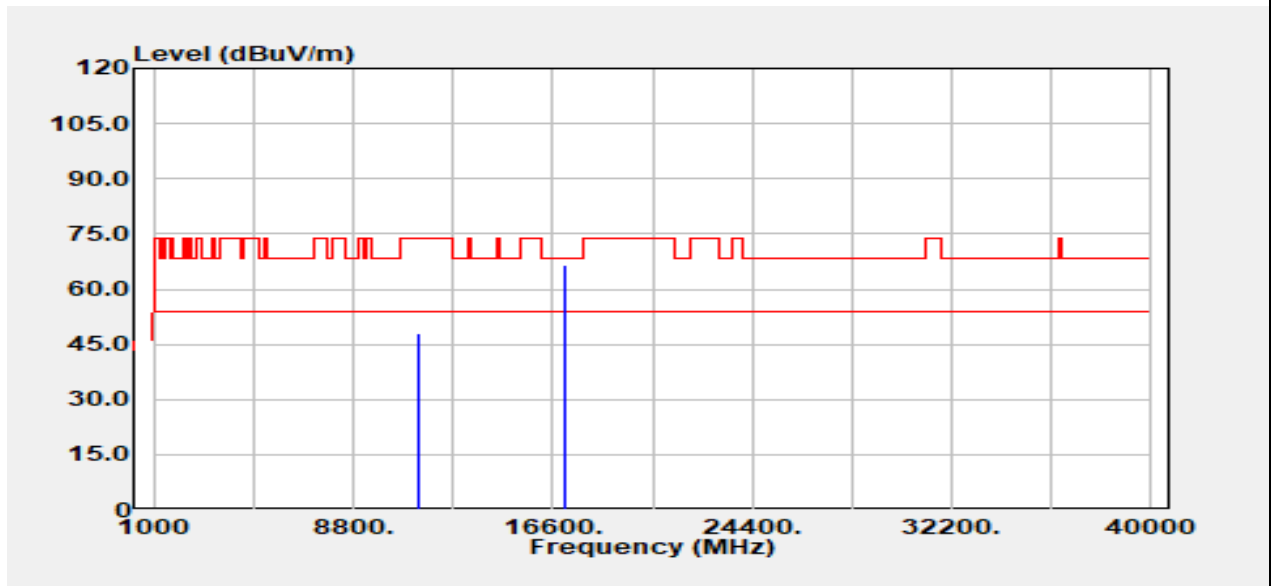


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
11400.00	Peak	30.88	19.26	50.14	74.00	-23.86
11400.00	Average	22.38	19.26	41.64	54.00	-12.36
17100.00	Peak	31.43	34.81	66.24	68.20	-1.96
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n 20 MHz / 5700 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		

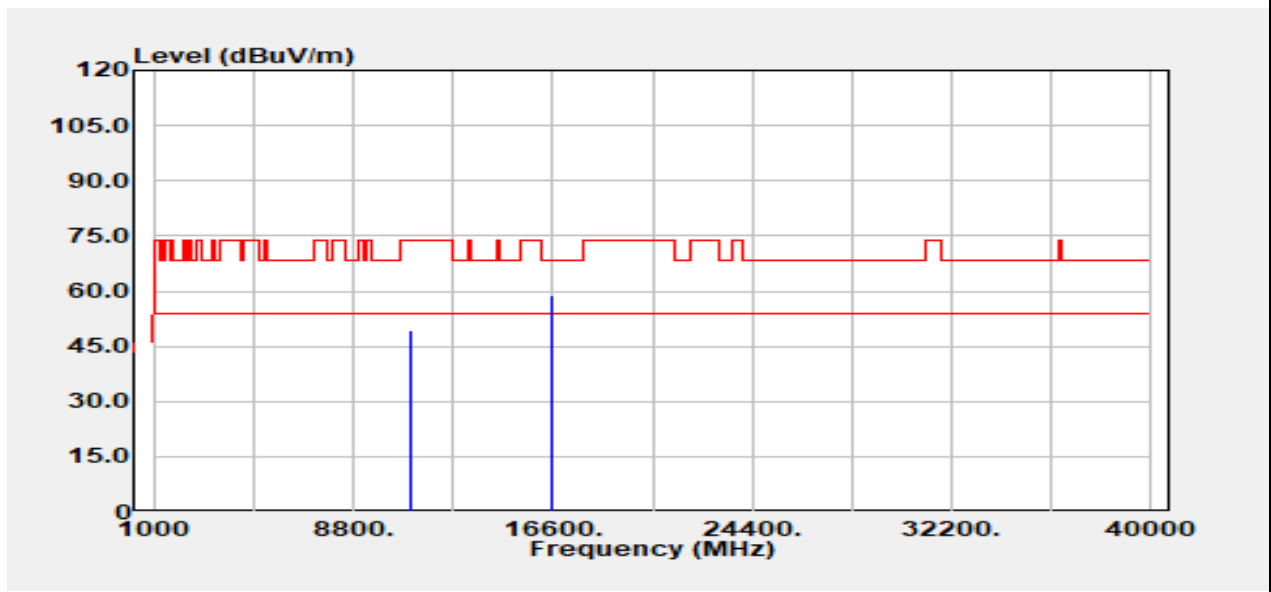


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
11400.00	Peak	28.66	19.26	47.92	74.00	-26.08
11400.00	Average	22.40	19.26	41.66	54.00	-12.34
17100.00	Peak	31.66	34.81	66.47	68.20	-1.73
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n 40 MHz / 5510 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		



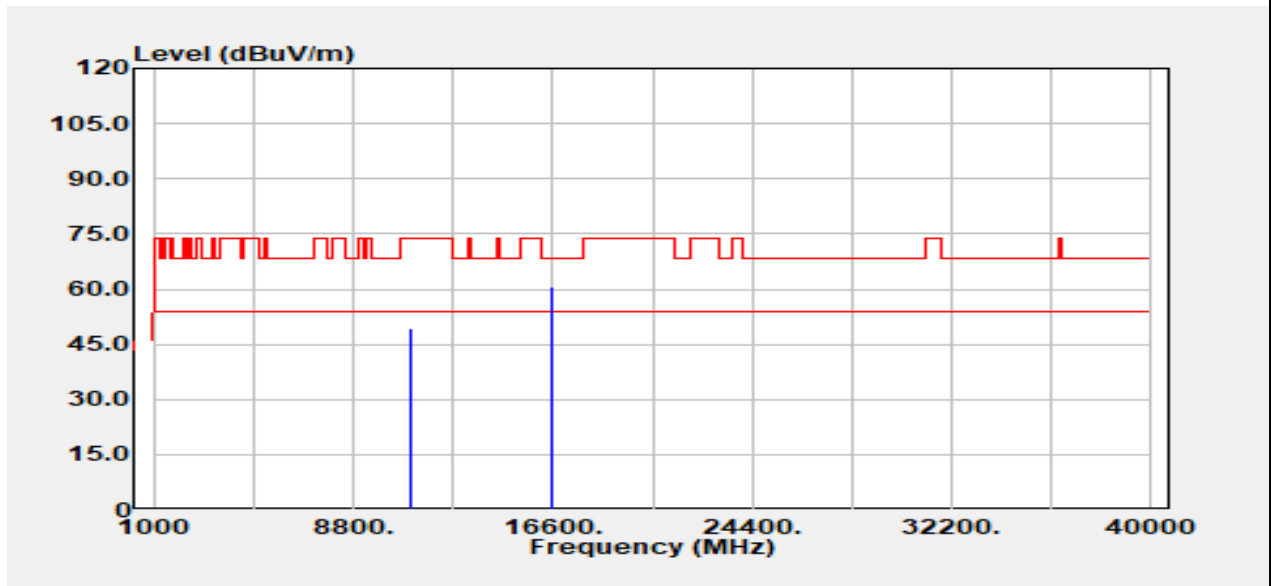
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
11020.00	Peak	30.04	19.45	49.49	74.00	-24.51
11020.00	Average	23.91	19.45	43.36	54.00	-10.64
16530.00	Peak	30.19	28.69	58.88	68.20	-9.32
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.



Test Mode	IEEE 802.11n 40 MHz / 5510 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		

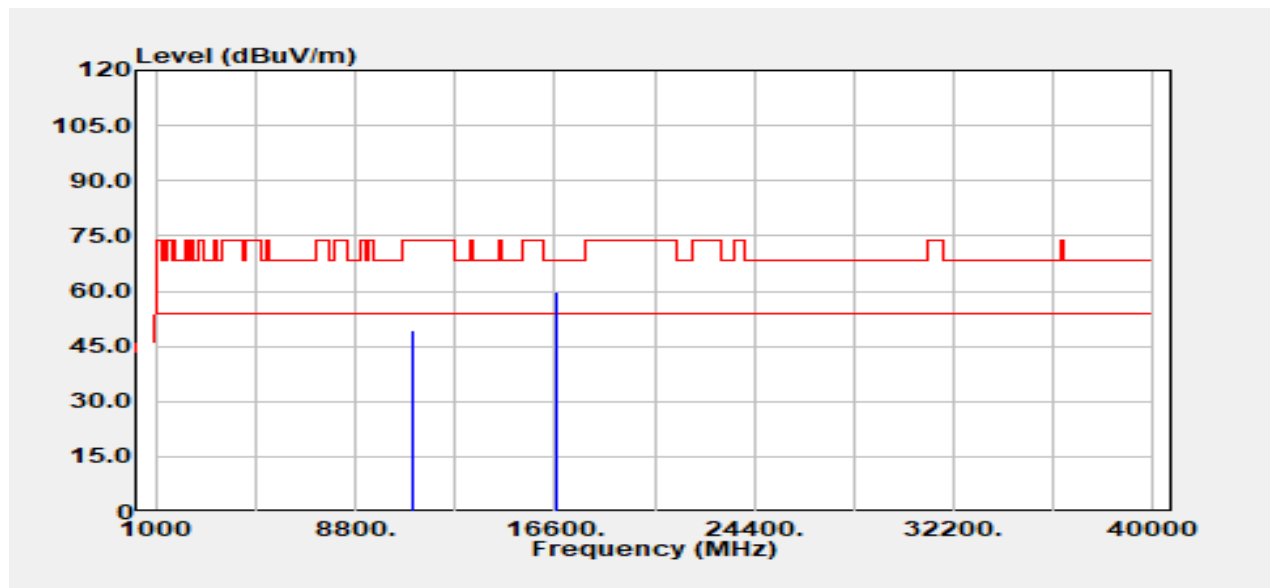


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
11020.00	Peak	29.95	19.45	49.40	74.00	-24.60
11020.00	Average	23.80	19.45	43.24	54.00	-10.76
16530.00	Peak	31.81	28.69	60.50	68.20	-7.70
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n 40 MHz / 5550 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		

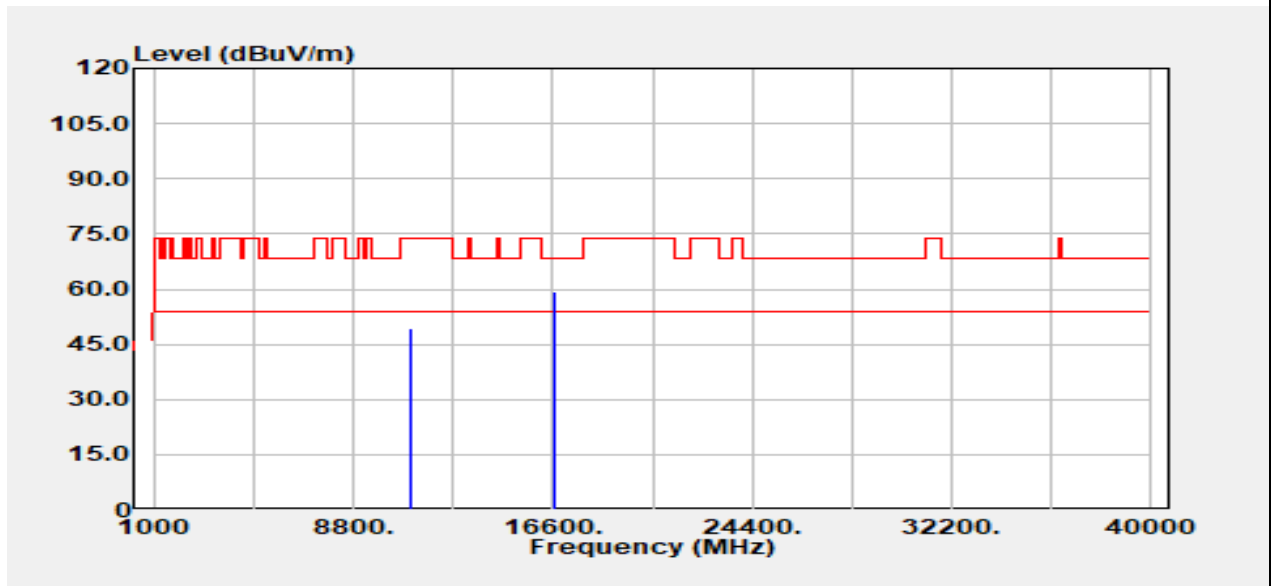


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11100.00	Peak	29.89	19.53	49.42	74.00	-24.58
11100.00	Average	23.73	19.53	43.26	54.00	-10.74
16650.00	Peak	30.48	29.07	59.55	68.20	-8.65
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n 40 MHz / 5550 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		

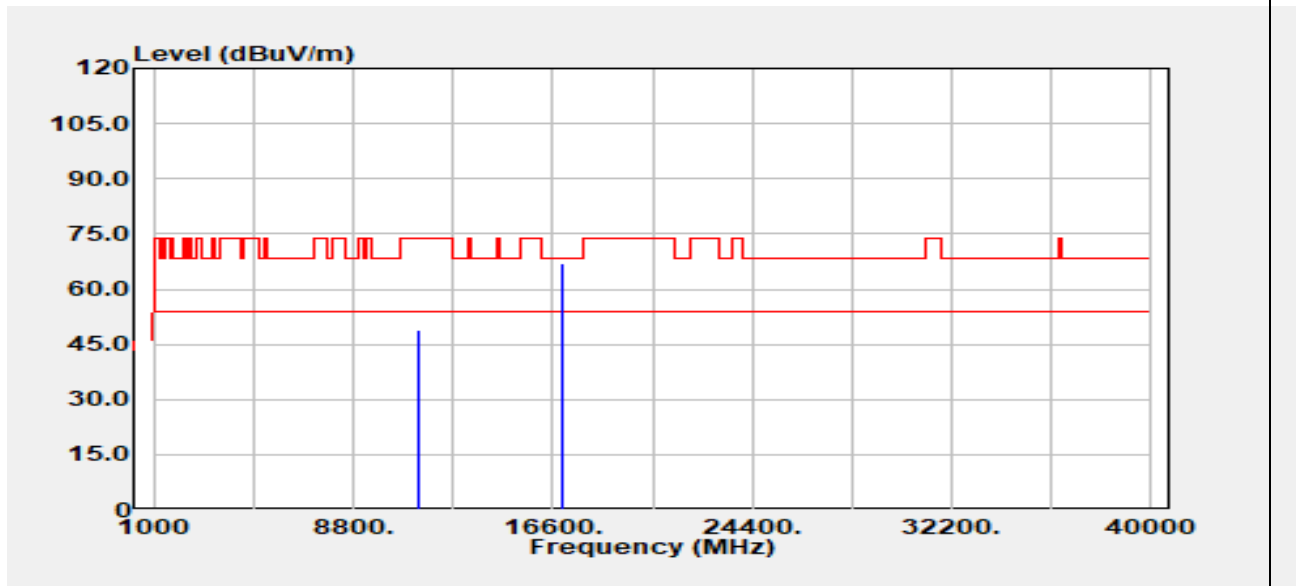


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
11100.00	Peak	29.93	19.53	49.46	74.00	-24.54
11100.00	Average	23.71	19.53	43.24	54.00	-10.76
16650.00	Peak	30.37	29.07	59.44	68.20	-8.76
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n 40 MHz / 5670 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		

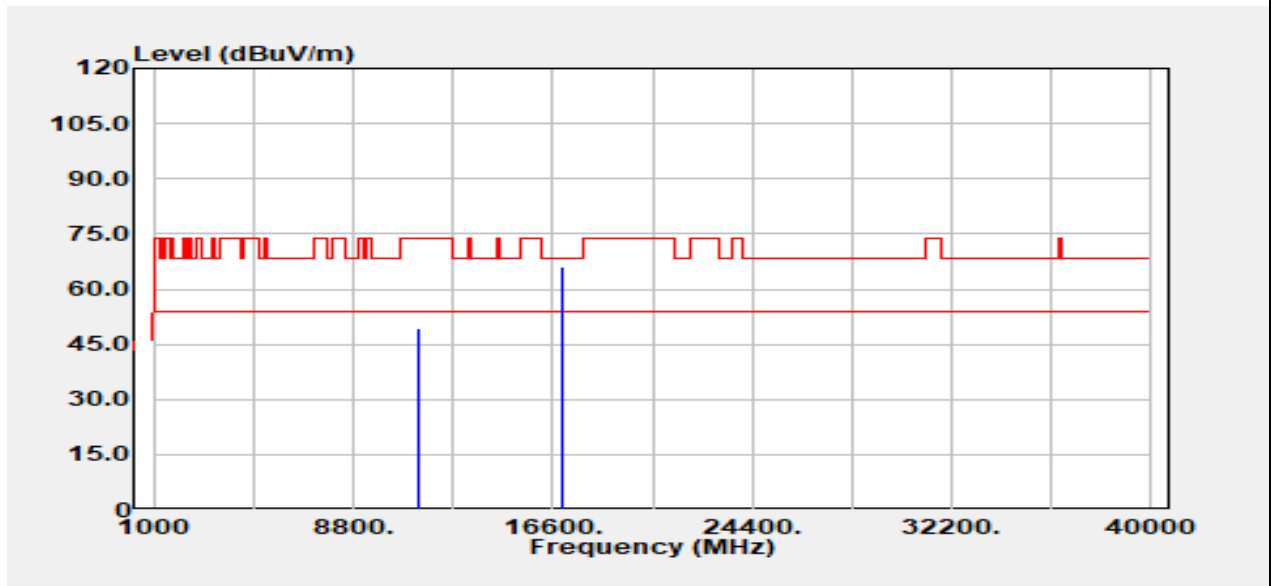


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dμV	Factor dB	Actual FS dμV/m	Limit @3m dμV/m	Margin dB
11340.00	Peak	29.56	19.46	49.03	74.00	-24.97
11340.00	Average	23.17	19.46	42.63	54.00	-11.37
17010.00	Peak	33.23	33.95	67.18	68.20	-1.02
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n 40 MHz / 5670 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		

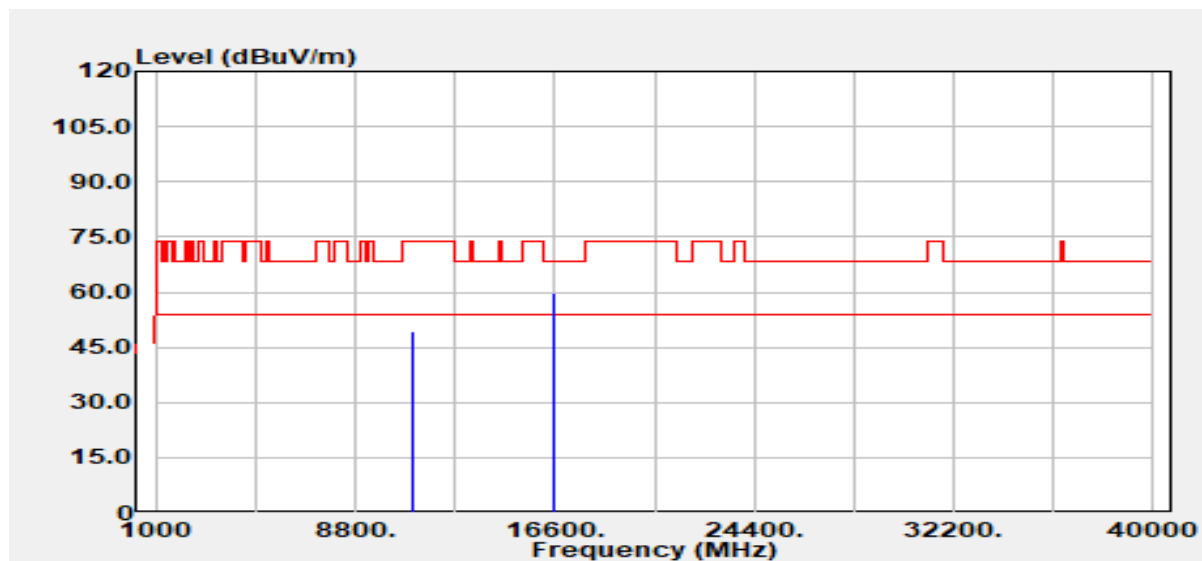


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
11340.00	Peak	29.69	19.46	49.15	74.00	-24.85
11340.00	Average	23.19	19.46	42.66	54.00	-11.34
17010.00	Peak	32.04	33.95	66.00	68.20	-2.20
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11ac VHT80 / 5530 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 28, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		

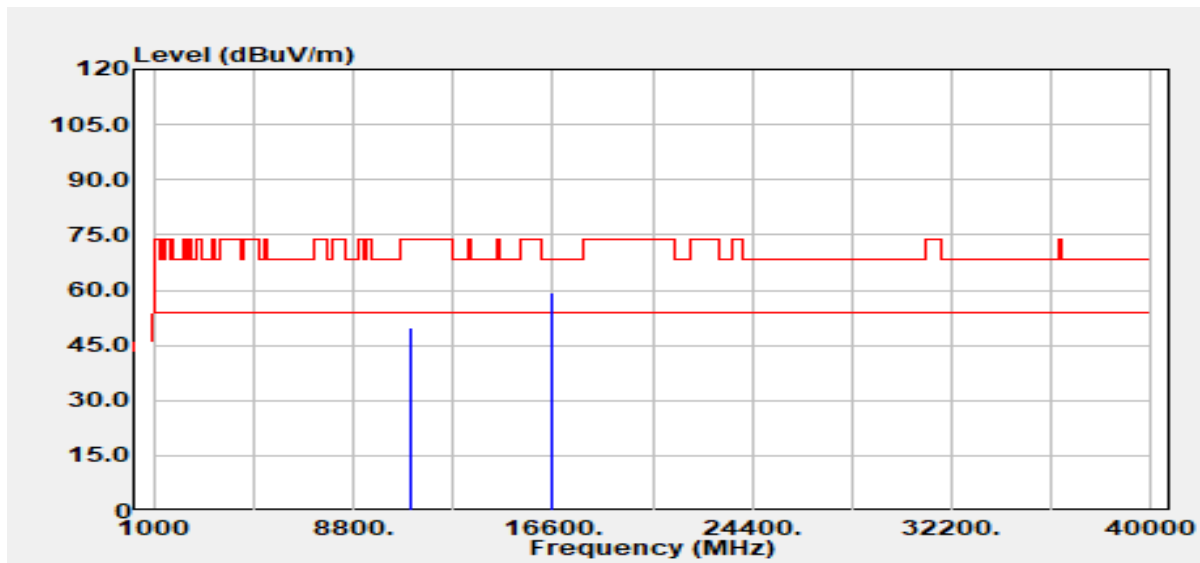


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
11060.00	Peak	30.03	19.46	49.48	74.00	-24.52
11060.00	Average	23.97	19.46	43.42	54.00	-10.58
16590.00	Peak	30.98	28.77	59.75	68.20	-8.45
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11ac VHT80 / 5530 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 28, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		

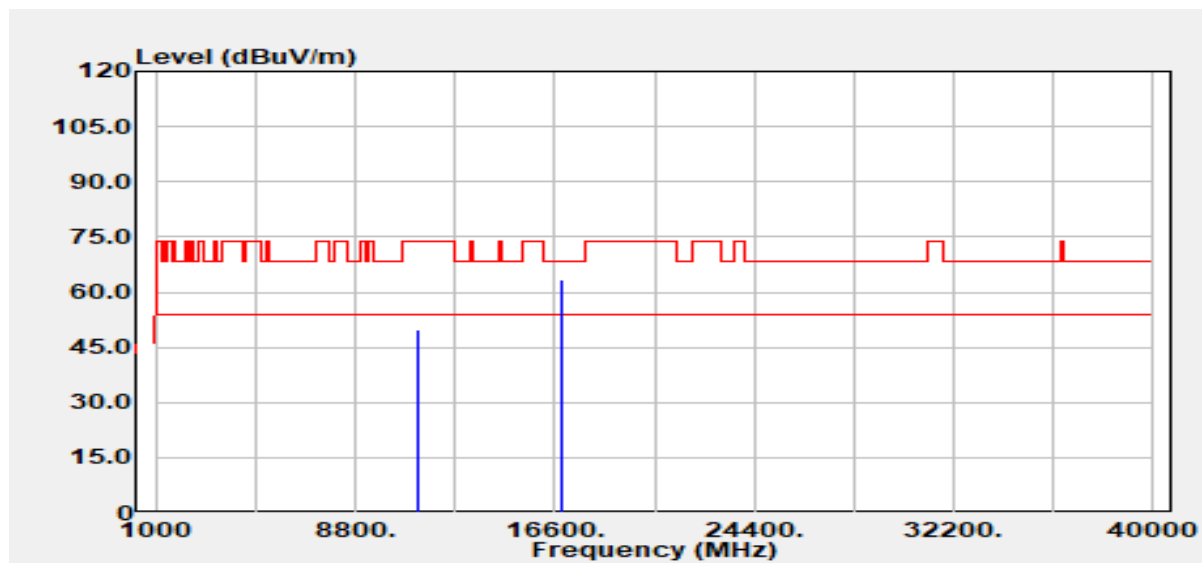


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11060.00	Peak	30.49	19.46	49.95	74.00	-24.05
11060.00	Average	24.36	19.46	43.82	54.00	-10.18
16590.00	Peak	30.42	28.77	59.19	68.20	-9.01
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11ac VHT80 / 5610 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 28, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		



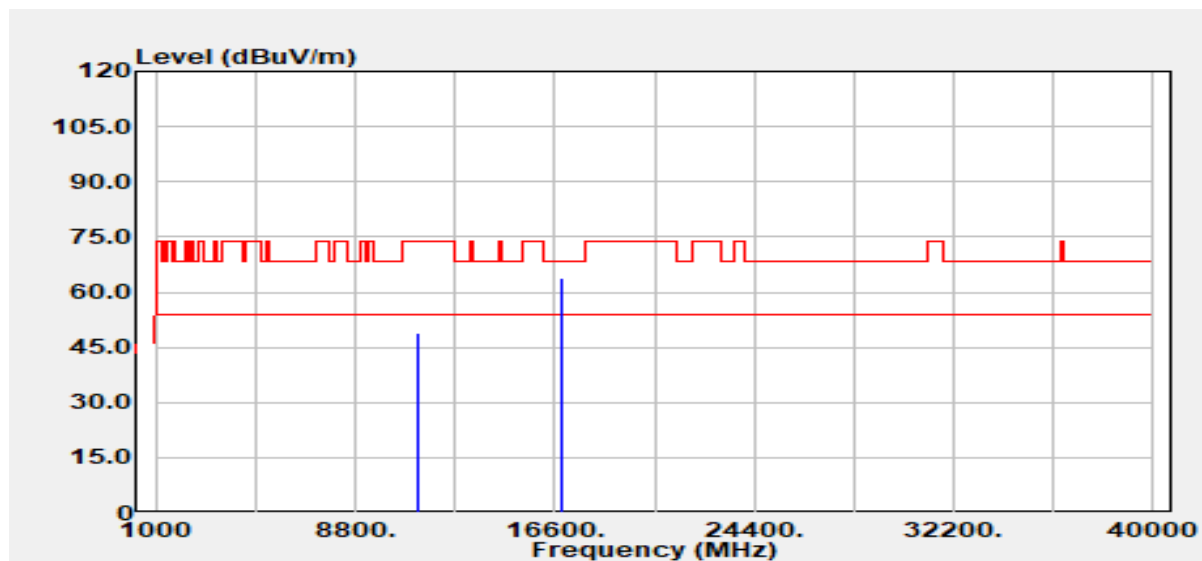
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
11220.00	Peak	30.20	19.42	49.62	74.00	-24.38
11220.00	Average	23.80	19.42	43.22	54.00	-10.78
16830.00	Peak	31.97	31.64	63.61	68.20	-4.59
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.



Test Mode	IEEE 802.11ac VHT80 / 5610 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 28, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		



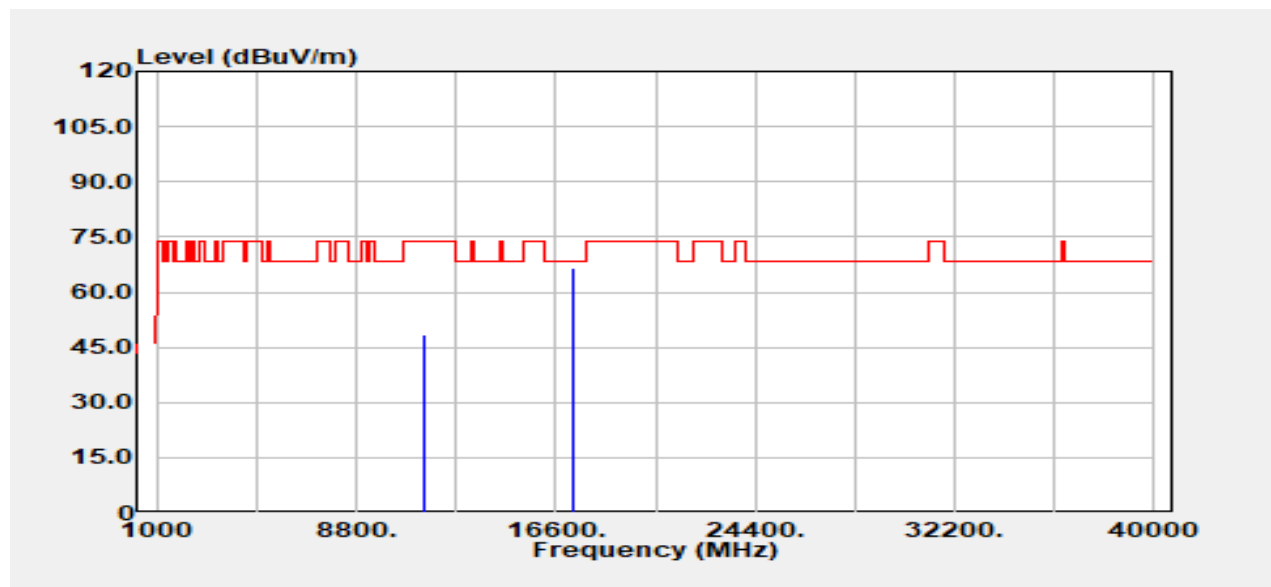
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
11220.00	Peak	29.46	19.42	48.88	74.00	-25.12
11220.00	Average	24.03	19.42	43.45	54.00	-10.55
16830.00	Peak	32.06	31.64	63.70	68.20	-4.50
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

**Test Data for UNII-3**

Test Mode	IEEE 802.11a / 5745 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Vertical	Test Engineer	Tony Chao
Detector	Peak & Average		

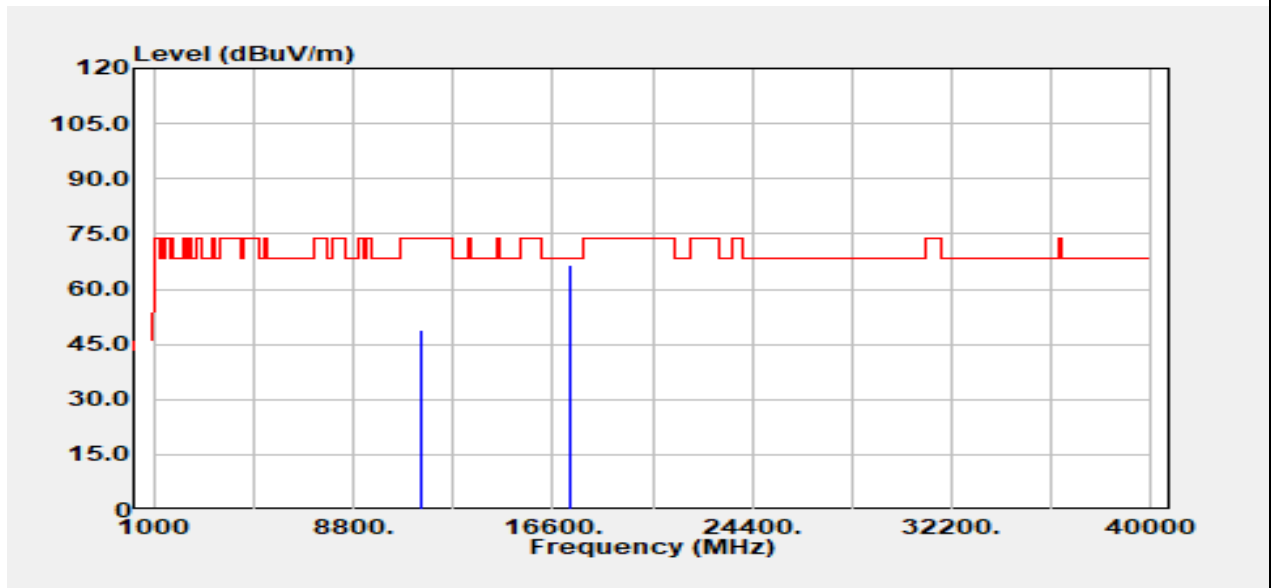


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11490.00	Peak	29.08	19.20	48.28	74.00	-25.72
11490.00	Average	20.28	19.20	39.48	74.00	-34.52
17235.00	Peak	31.19	35.48	66.68	68.20	-1.52
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11a / 5745 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Horizontal	Test Engineer	Tony Chao
Detector	Peak & Average		

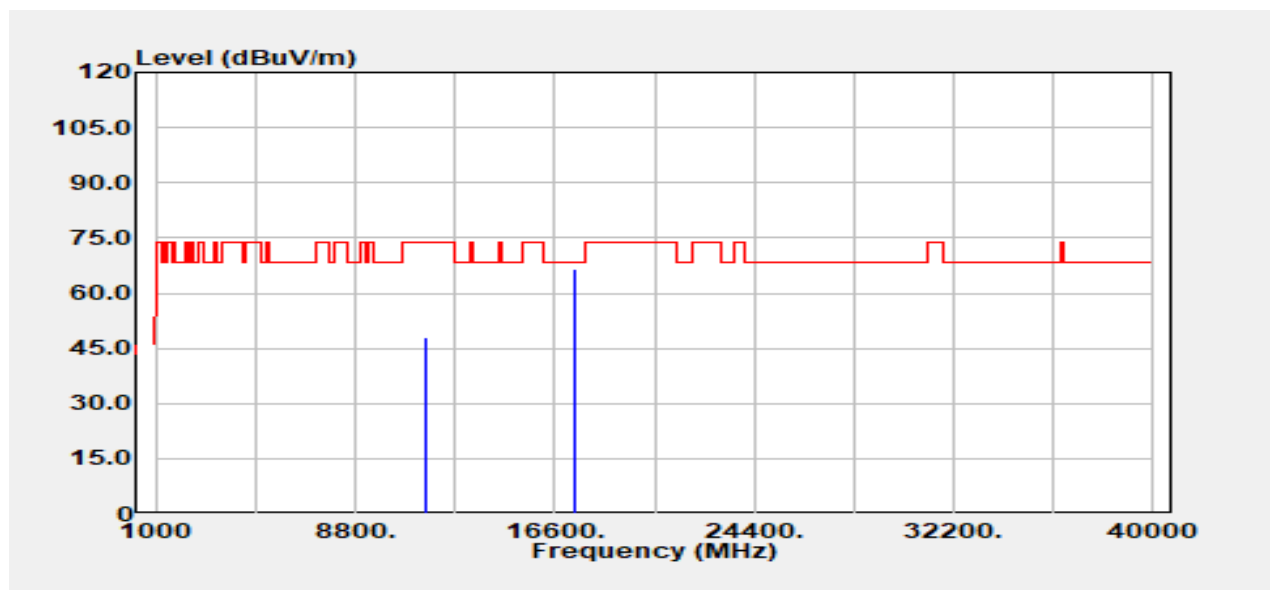


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11490.00	Peak	29.49	19.20	48.69	74.00	-25.31
11490.00	Average	20.18	19.20	39.38	74.00	-34.62
17235.00	Peak	31.29	35.48	66.78	68.20	-1.42
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11a / 5785 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Vertical	Test Engineer	Tony Chao
Detector	Peak & Average		

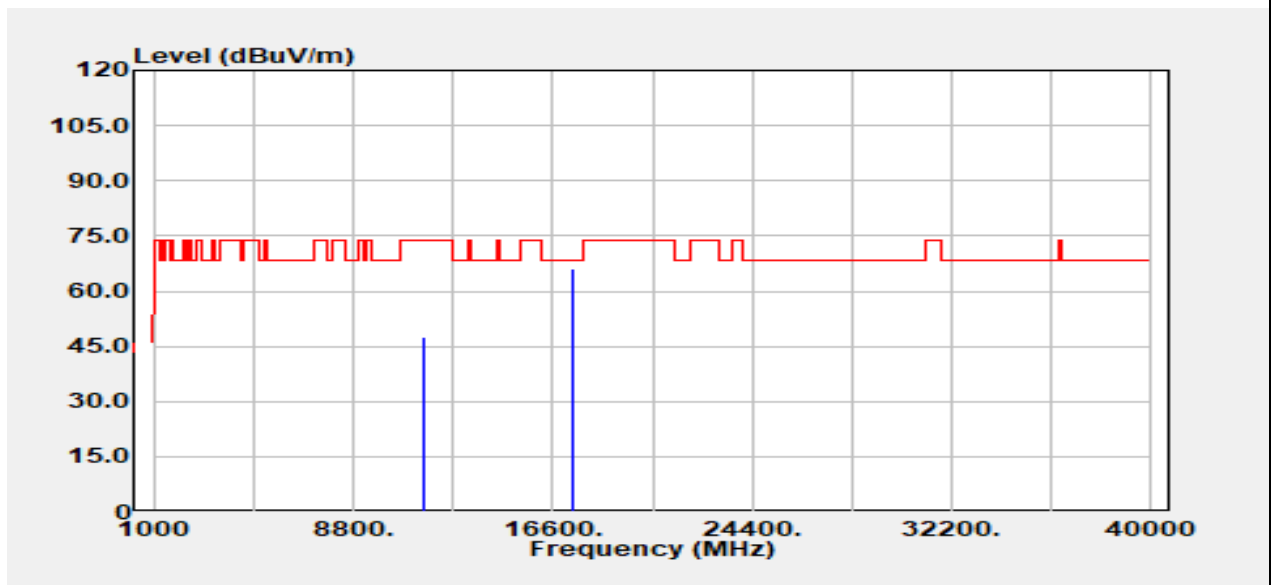


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
11570.00	Peak	28.62	19.31	47.94	74.00	-26.06
11570.00	Average	19.86	19.31	39.17	74.00	-34.83
17355.00	Peak	30.96	35.52	66.48	68.20	-1.72
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11a / 5785 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Horizontal	Test Engineer	Tony Chao
Detector	Peak & Average		

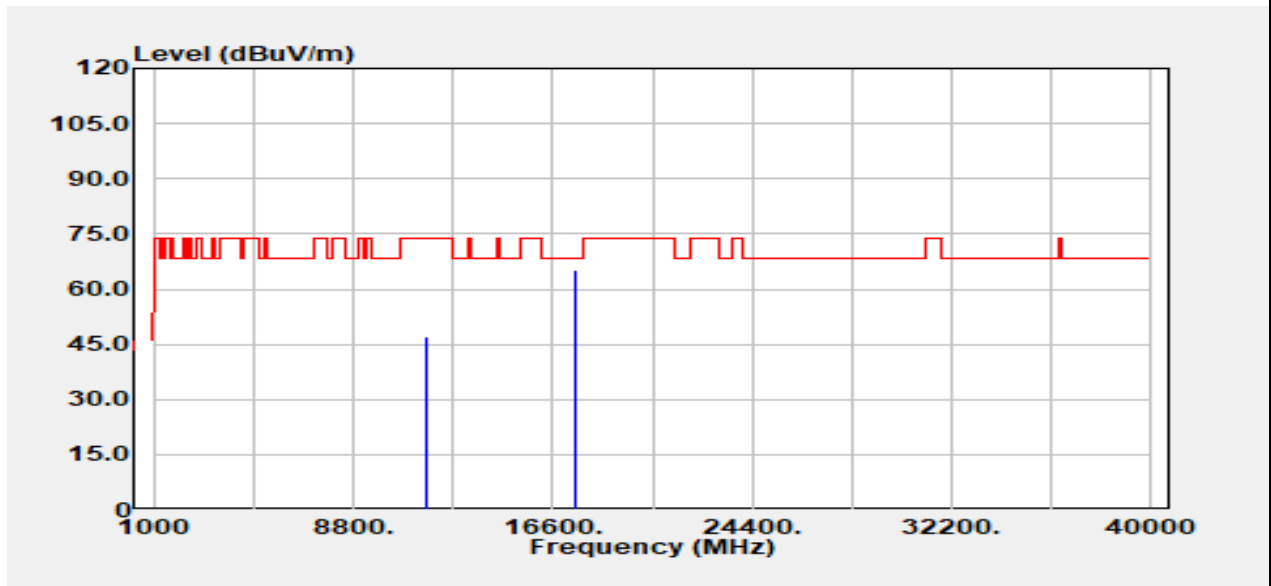


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11570.00	Peak	28.10	19.31	47.42	74.00	-26.58
11570.00	Average	19.87	19.31	39.18	74.00	-34.82
17355.00	Peak	30.37	35.52	65.89	68.20	-2.31
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11a / 5825 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Vertical	Test Engineer	Tony Chao
Detector	Peak & Average		

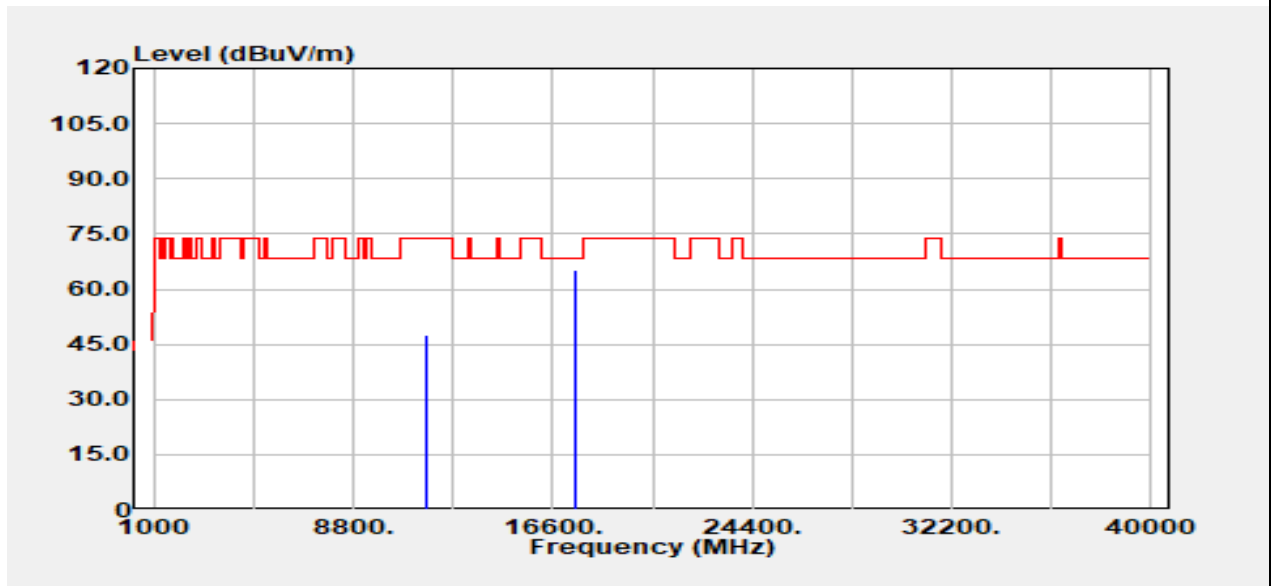


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
11650.00	Peak	27.63	19.29	46.92	74.00	-27.08
11650.00	Average	19.63	19.29	38.92	74.00	-35.08
17475.00	Peak	30.27	34.91	65.17	68.20	-3.03
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11a / 5825 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Horizontal	Test Engineer	Tony Chao
Detector	Peak & Average		

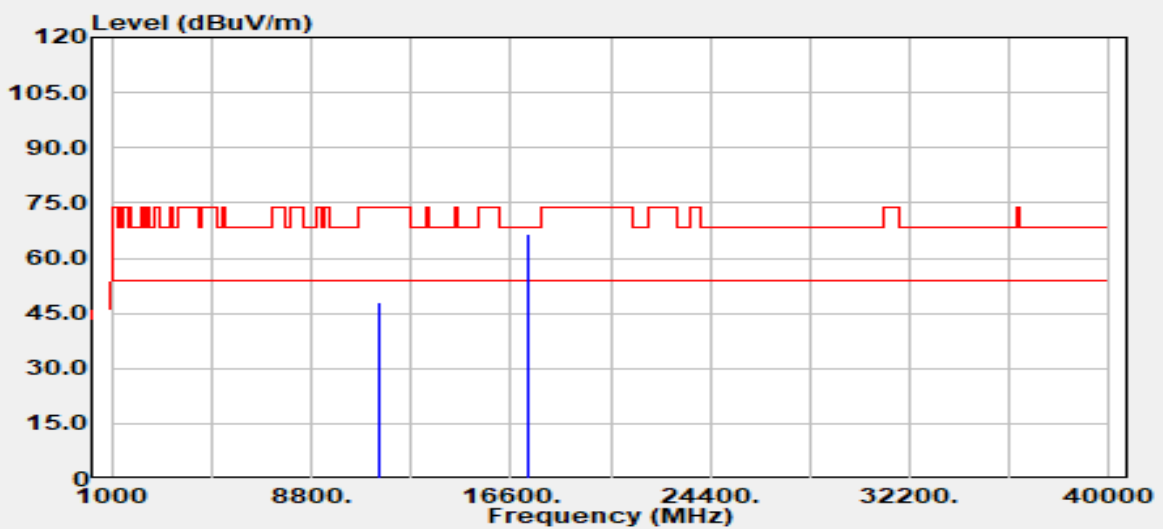


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11650.00	Peak	28.12	19.29	47.41	74.00	-26.59
11650.00	Average	19.73	19.29	39.02	74.00	-34.98
17475.00	Peak	30.51	34.91	65.42	68.20	-2.78
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n 20 MHz / 5745 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		



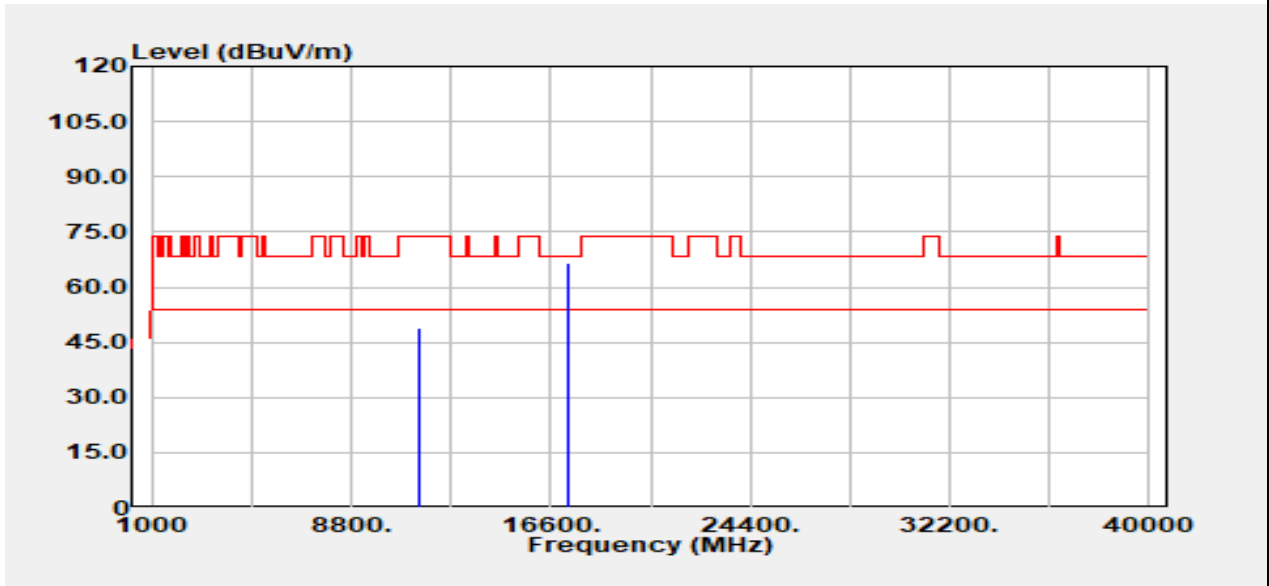
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11490.00	Peak	28.93	19.20	48.13	74.00	-25.87
11490.00	Average	21.62	19.20	40.82	54.00	-13.18
17235.00	Peak	31.28	35.48	66.76	68.20	-1.44
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.



Test Mode	IEEE 802.11n 20 MHz / 5745 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		

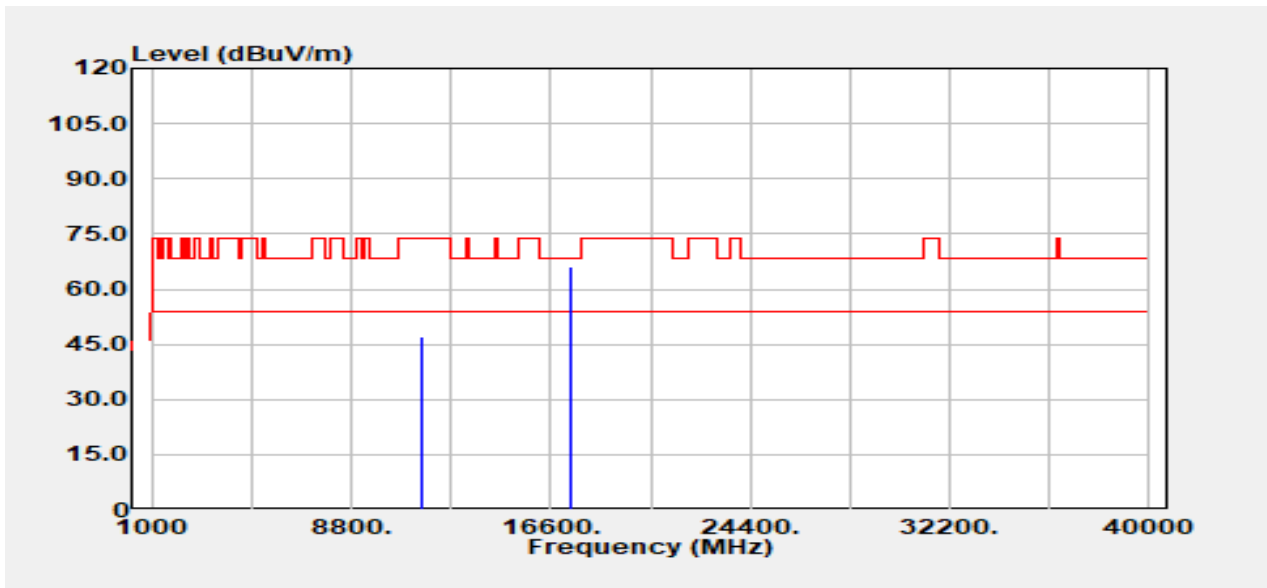


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dμV	Factor dB	Actual FS dμV/m	Limit @3m dμV/m	Margin dB
11490.00	Peak	29.88	19.20	49.08	74.00	-24.92
11490.00	Average	21.58	19.20	40.78	54.00	-13.22
17235.00	Peak	30.90	35.48	66.38	68.20	-1.82
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n 20 MHz/ 5785 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		

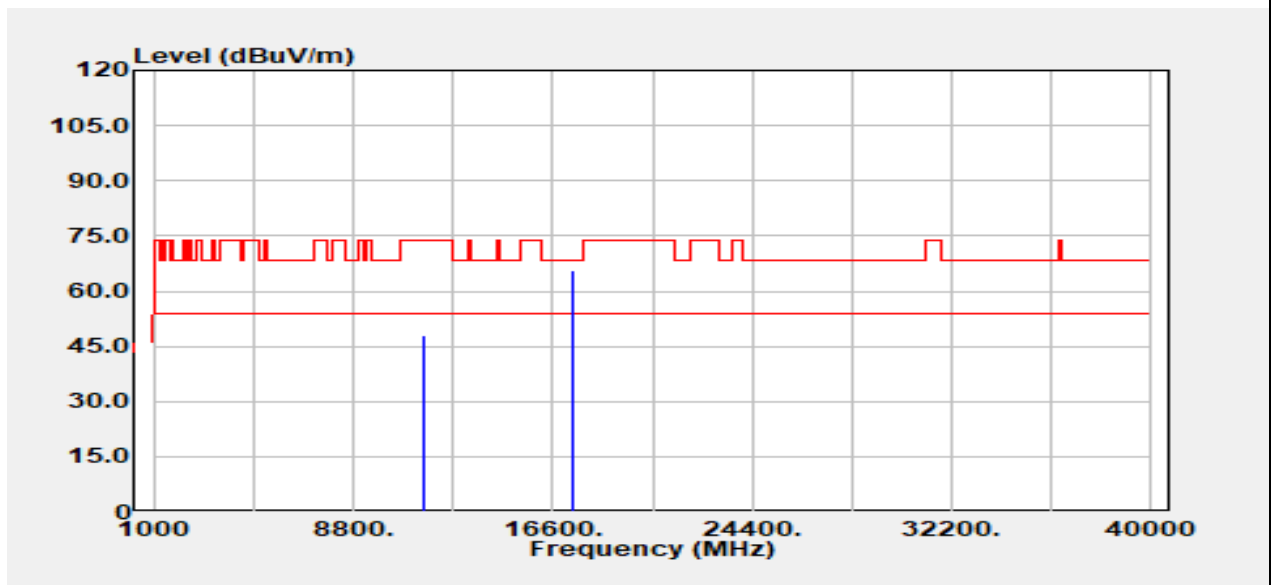


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11570.00	Peak	27.86	19.31	47.17	74.00	-26.83
11570.00	Average	21.16	19.31	40.47	54.00	-13.53
17355.00	Peak	30.68	35.52	66.19	68.20	-2.01
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n 20 MHz/ 5785 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		

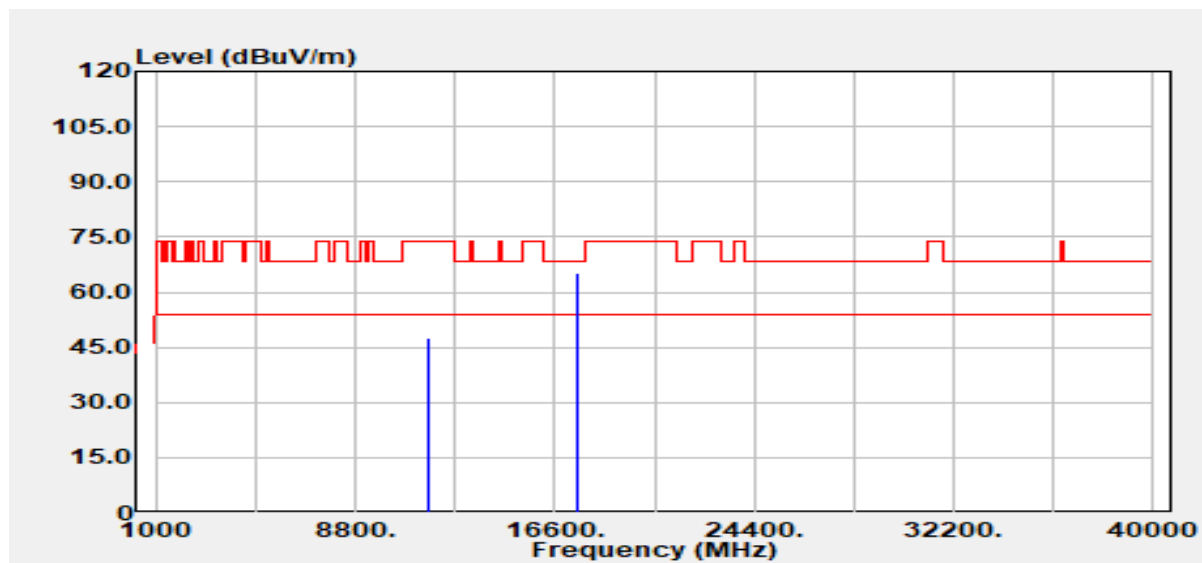


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
11570.00	Peak	28.47	19.31	47.78	74.00	-26.22
11570.00	Average	21.18	19.31	40.49	54.00	-13.51
17355.00	Peak	30.21	35.52	65.72	68.20	-2.48
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n 20 MHz/ 5825 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		

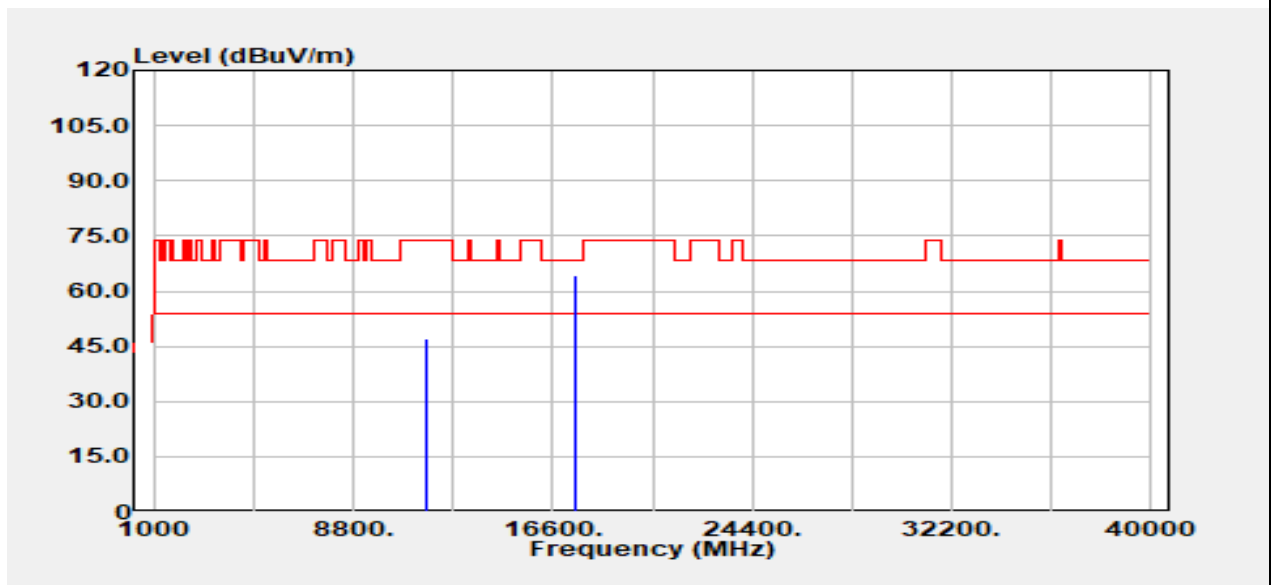


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
11650.00	Peak	28.47	19.29	47.76	74.00	-26.24
11650.00	Average	21.17	19.29	40.46	54.00	-13.54
17475.00	Peak	30.18	34.91	65.09	68.20	-3.11
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n 20 MHz/ 5825 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 27, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		

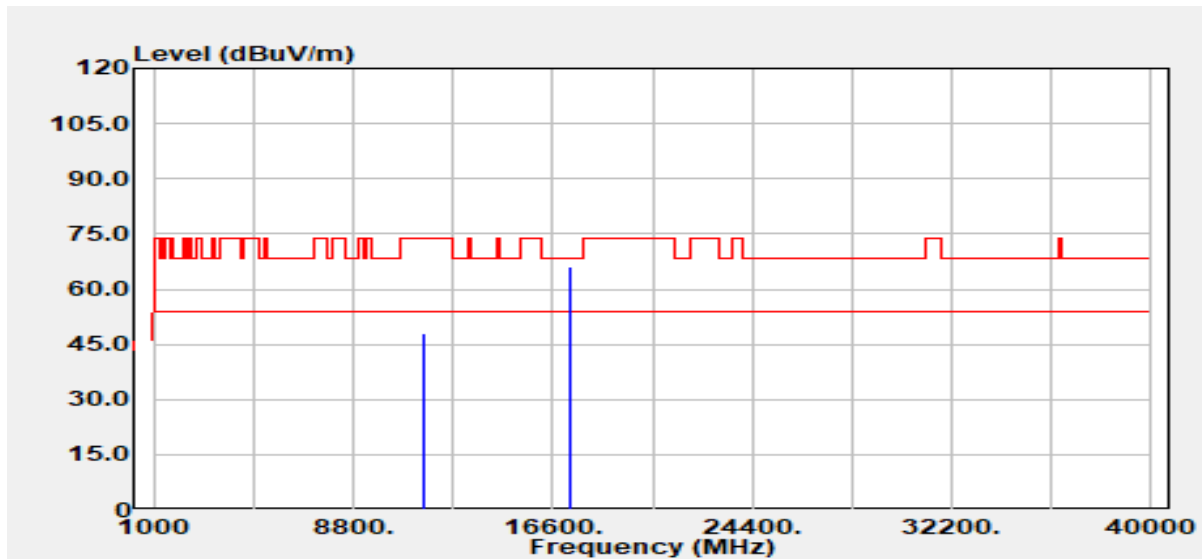


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
11650.00	Peak	27.60	19.29	46.89	74.00	-27.11
11650.00	Average	21.42	19.29	40.71	54.00	-13.29
17475.00	Peak	29.50	34.91	64.40	68.20	-3.80
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n 40 MHz/ 5755 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 28, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		

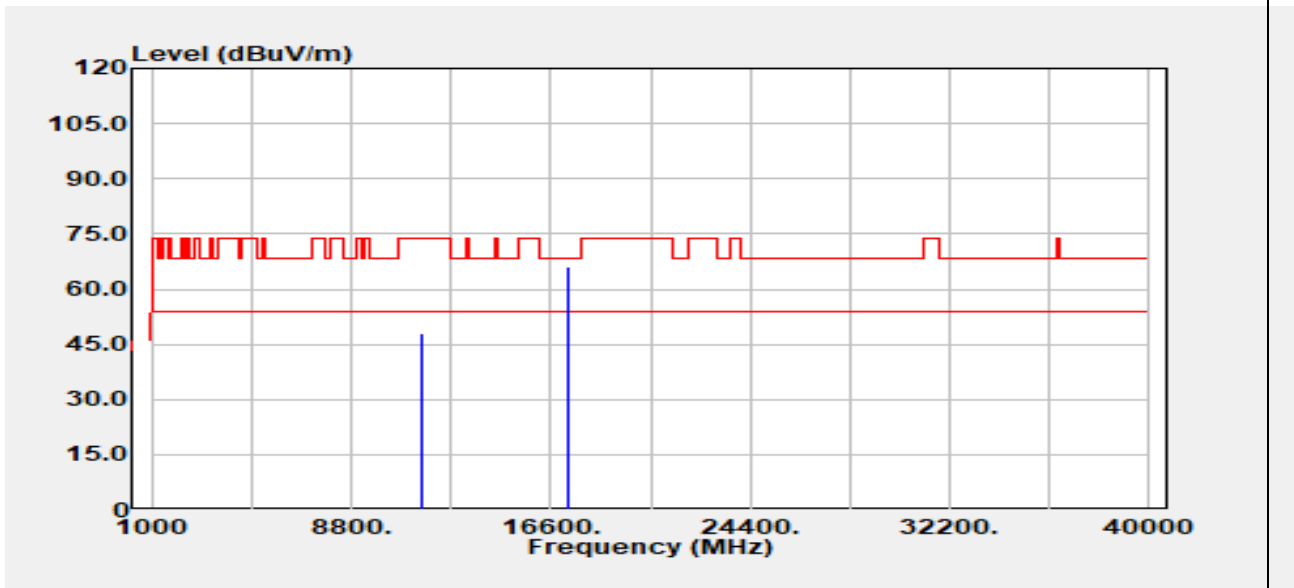


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
11510.00	Peak	28.66	19.22	47.89	74.00	-26.11
11510.00	Average	21.73	19.22	40.95	54.00	-13.05
17265.00	Peak	30.48	35.57	66.05	68.20	-2.15
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n 40 MHz/ 5755 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 28, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		

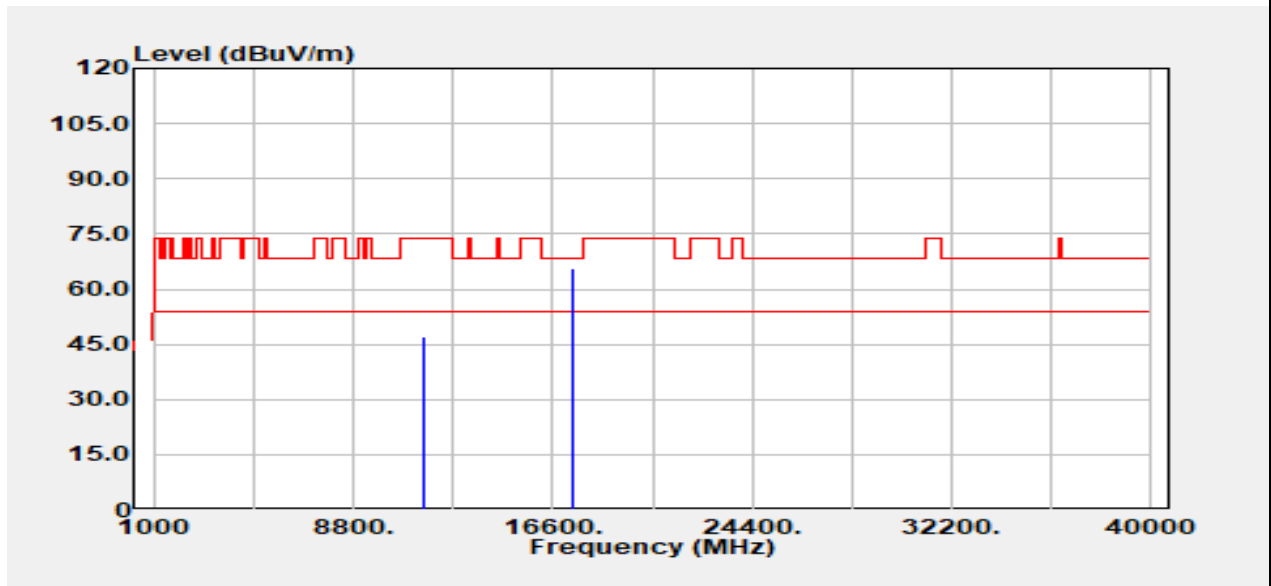


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
11510.00	Peak	28.99	19.22	48.21	74.00	-25.79
11510.00	Average	21.76	19.22	40.98	54.00	-13.02
17265.00	Peak	30.48	35.57	66.05	68.20	-2.15
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n 40 MHz/ 5795 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 28, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		



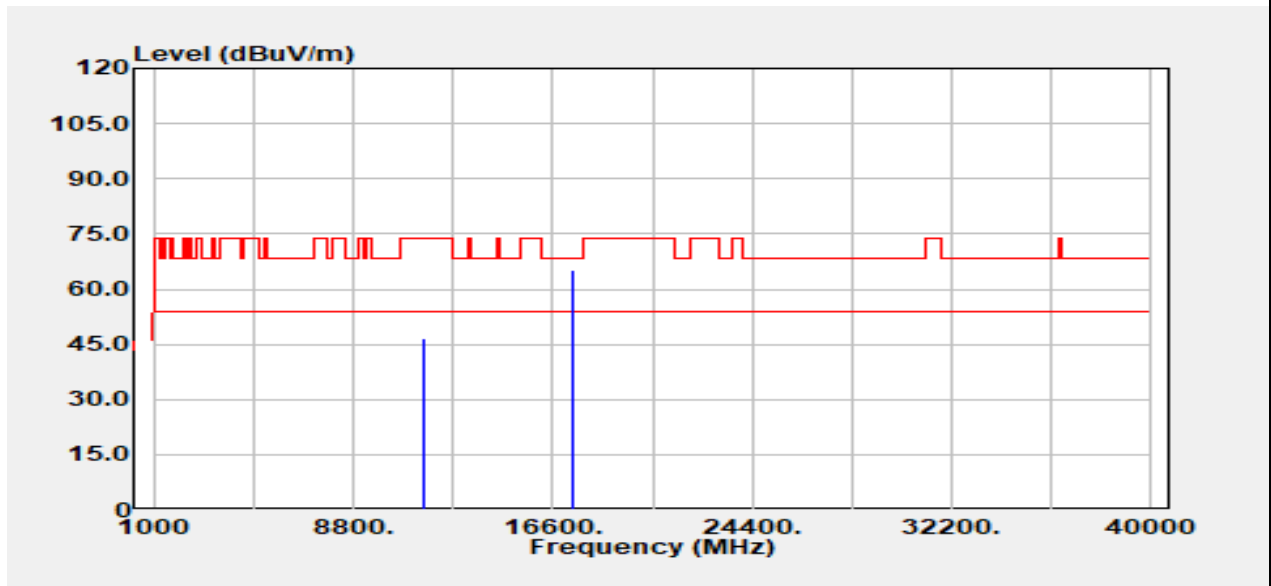
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
11590.00	Peak	27.75	19.34	47.09	74.00	-26.91
11590.00	Average	21.32	19.34	40.67	54.00	-13.33
17385.00	Peak	30.35	35.37	65.72	68.20	-2.48
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.



Test Mode	IEEE 802.11n 40 MHz/ 5795 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 28, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		

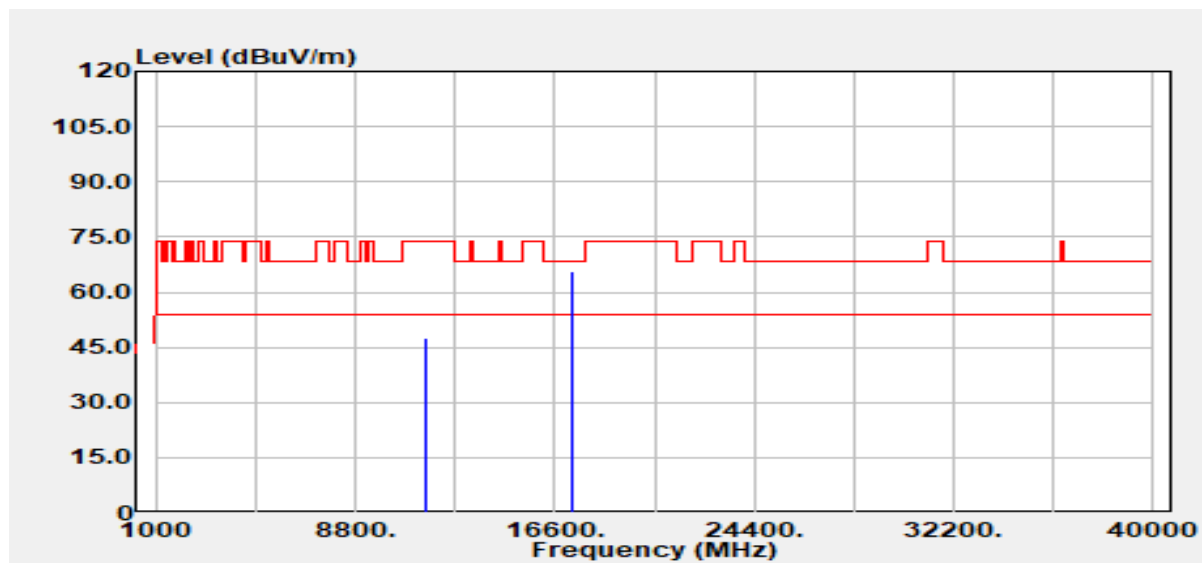


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d $\mu$ V	Factor dB	Actual FS d $\mu$ V/m	Limit @3m d $\mu$ V/m	Margin dB
11590.00	Peak	27.28	19.34	46.62	74.00	-27.38
11590.00	Average	21.30	19.34	40.64	54.00	-13.36
17385.00	Peak	30.06	35.37	65.43	68.20	-2.77
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11ac VHT80/ 5775 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 28, 2022
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average		

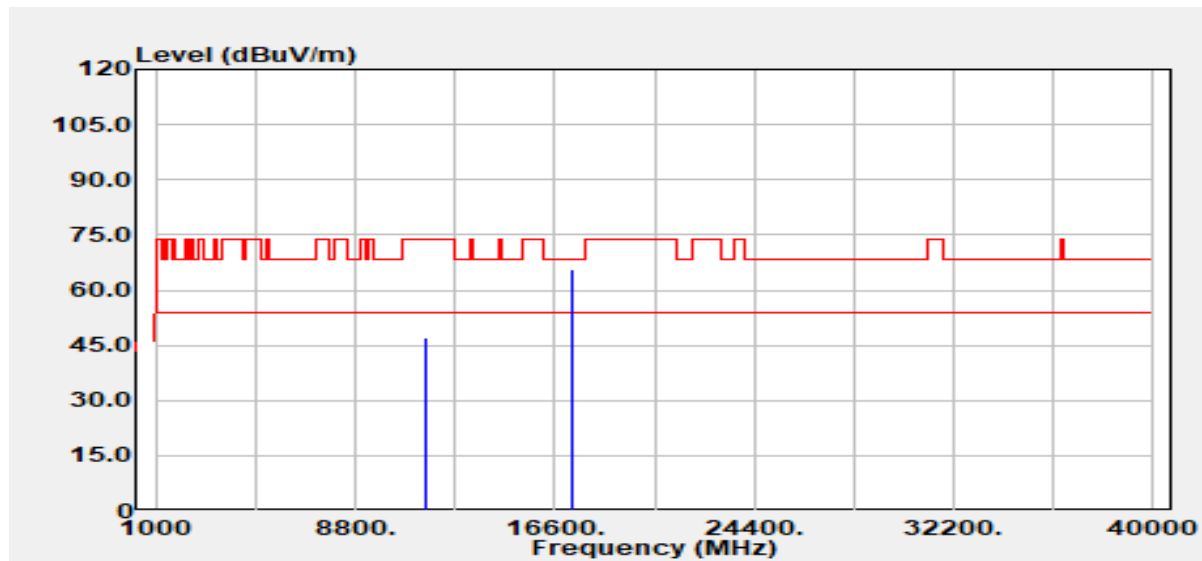


Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB $\mu$ V	Factor dB	Actual FS dB $\mu$ V/m	Limit @3m dB $\mu$ V/m	Margin dB
11550.00	Peak	28.36	19.28	47.64	74.00	-26.36
11550.00	Average	21.74	19.28	41.02	54.00	-12.98
17325.00	Peak	30.11	35.59	65.70	68.20	-2.50
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11ac VHT80/ 5775 MHz	Temp/Hum	24.8(°C)/ 61%RH
Test Item	Harmonic	Test Date	October 28, 2022
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average		



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11550.00	Peak	27.87	19.28	47.15	74.00	-26.85
11550.00	Average	21.75	19.28	41.03	54.00	-12.97
17325.00	Peak	30.24	35.59	65.83	68.20	-2.37
N/A						

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

- End of Test Report -