

# Test Report

Verified code: 879734

Report No.: E202203219481-2

Customer: Fiberhome Telecommunication Technologies Co., Ltd.

Address: No.88 Youkeyuan Road, Hongshan District, Wuhan,Hubei, China

Sample Name: GPON ONU

Sample Model: HG6245Y

Receive Sample Date: Apr.18,2022

Test Date: Apr.19,2022 ~ May.07,2022

Reference Document: CFR 47, FCC Parts Subpart E Unlicensed National Information Infrastructure Devices

Test Result:

Prepared by: Chen Xiaocong

Reviewed by: Jiang Tao

Approved by: Xiao Liang

GUANGZHOU GRG METROLOGY & TEST CO., LTD

ISSUED DATE: 2022-05-20

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**1. TEST RESULT SUMMARY**

| Standard                                 | Item                                    | Limit / Severity              | Result             |
|------------------------------------------|-----------------------------------------|-------------------------------|--------------------|
| CFR 47, FCC Parts Subpart E<br>(§15.407) | 26dB Bandwidth & 99% Occupied Bandwidth | 15.407(a)                     | PASS               |
|                                          | AC Power Line Conducted Emissions       | 15.207<br>15.407(b)(6)        | PASS               |
|                                          | Unwanted Emissions and Band Edge        | 15.205<br>15.209<br>15.407(b) | PASS               |
|                                          | Output Power                            | 15.407(a)                     | PASS               |
|                                          | Peak Power Spectral Density             | 15.407(a)                     | PASS               |
|                                          | Frequency Stability                     | 15.407(g)                     | PASS               |
|                                          | Antenna Requirement                     | 15.203                        | PASS <sup>1)</sup> |

Note: <sup>1)</sup> The EUT have four antennas. The antenna is internal antenna.

The max gain of antenna is 3.0dBi, which accordance 15.203 is considered sufficient to comply with the provisions of this section.

----- The following blanks -----

## 2. GENERAL DESCRIPTION OF EUT

### 2.1. APPLICANT

Name: Fiberhome Telecommunication Technologies Co., Ltd.  
Address: No.88 Youkeyuan Road, Hongshan District, Wuhan,Hubei, China

### 2.2. MANUFACTURER

Name: Fiberhome Telecommunication Technologies Co., Ltd.  
Address: No.88 Youkeyuan Road, Hongshan District, Wuhan,Hubei, China

### 2.3. FACTORY

Name: Fiberhome Telecommunication Technologies Co., Ltd.  
Address: No.67,Chuangye Street,East Lake High-tech Development Zone,Wuhan City,Hubei Province,P.R.China

### 2.4. BASIC DESCRIPTION OF EQUIPMENT UNDER TEST

Product Name: GPON ONU  
Product Model: HG6245Y  
Adding Model: /  
FCC ID: 2AV2N-HG6245Y  
Trade Name: FiberHome  
Power Supply: DC12.0V power supplied by adapter  
Adapter Specification: Adapter: RD1202500-C55-195MG  
Input:100-240V~50/60Hz 1.5A Max  
Output:12V 2.5A  
Frequency Band: U-NII-1: 5180 MHz~5240 MHz  
Modulation Type: OFDM, OFDMA  
Antenna Specification: Internal antenna  
U-NII-1:  
Internal antenna 1 with 3.0dBi gain (Max.)  
Internal antenna 2 with 3.0dBi gain (Max.)  
Internal antenna 3 with 3.0dBi gain (Max.)  
Internal antenna 4 with 3.0dBi gain (Max.)  
Number Of Channel: U-NII-1:  
IEEE 802.11a / n HT20 / ac VHT20 / ax HE20: 4 Channels  
IEEE 802.11n HT40 / ac VHT40 / ax HE40: 2 Channels  
IEEE 802.11ac VHT80 / ax HE80: 1 Channel  
Channels Spacing: IEEE 802.11a: 20MHz  
IEEE 802.11n HT20: 20MHz  
IEEE 802.11n HT40: 40MHz

IEEE 802.11ac VHT20: 20MHz

IEEE 802.11ac VHT40: 40MHz

IEEE 802.11ac VHT80: 80MHz

IEEE 802.11ax HE20: 20MHz

IEEE 802.11ax HE40: 40MHz

IEEE 802.11ax HE80: 80MHz

Transmit Power: U-NII-1:

18.94dBm for IEEE 802.11a

24.30dBm for IEEE 802.11n HT20

22.62dBm for IEEE 802.11ac VHT20

24.28dBm for IEEE 802.11ax HE20

22.42dBm for IEEE 802.11n HT40

22.69dBm for IEEE 802.11ac VHT40

24.28dBm for IEEE 802.11ax HE40

22.39dBm for IEEE 802.11ac VHT80

22.39dBm for IEEE 802.11ax HE80

Temperature Range: -5℃~45℃

Hardware

Version: /

Software

Version: V1.0

Sample submitting way: ☒ Provided by customer ☐ Sampling

Sample No: E202203219481-0002

Note: /

**2.5. TEST OPERATION MODE**

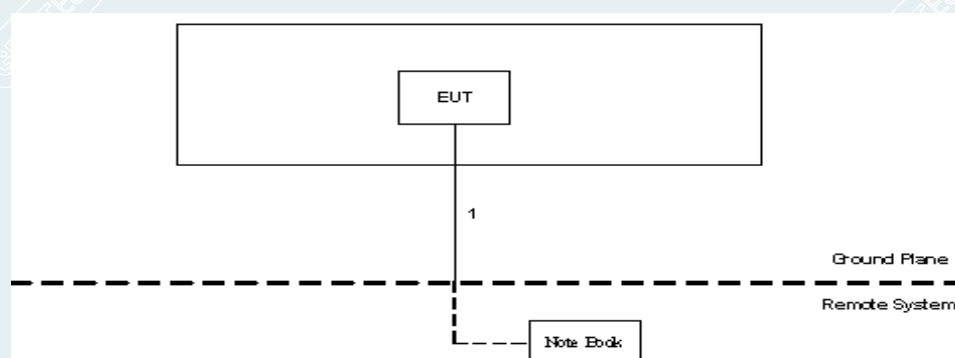
| Mode No. | Description of the modes |
|----------|--------------------------|
| 1        | 5G Wi-Fi TX mode         |

Note: The items of radiated emission just record the worst case of 20MHz/40MHz/80MHz bandwidth.

**2.6. LOCAL SUPPORTIVEINSTRUMENTS**

| Name of Equipment | Manufacturer | Model            | Serial Number | Note                                |
|-------------------|--------------|------------------|---------------|-------------------------------------|
| Notebook          | LENOVO       | ZHAOYANG K4e-IML | LRX00A41      | /                                   |
| /                 | /            | /                | /             | /                                   |
| <b>Cable</b>      |              |                  |               |                                     |
| DC cable          | /            | /                | /             | UnShielded,1.5m                     |
| RJ45              | /            | /                | /             | UnShielded,3.0m(for conducted test) |
| RJ45              | /            | /                | /             | UnShielded,10.0m(for radiated test) |

## 2.7. CONFIGURATION OF SYSTEM UNDER TEST



### Test software:

| Software version |
|------------------|
| CMD telnet       |

| Mode                          | Frequency (MHz) | Power Setting |
|-------------------------------|-----------------|---------------|
| IEEE 802.11a(SISO ant1,2,3,4) | 5180            | 88            |
|                               | 5200            | 88            |
|                               | 5240            | 88            |
| IEEE 802.11n HT20             | 5180            | 88            |
|                               | 5200            | 88            |
|                               | 5240            | 88            |
| IEEE 802.11n HT40             | 5190            | 80            |
|                               | 5230            | 80            |
| IEEE 802.11ac VHT20           | 5180            | 88            |
|                               | 5200            | 88            |
|                               | 5240            | 88            |
| IEEE 802.11ac VHT40           | 5190            | 80            |
|                               | 5230            | 80            |
| IEEE 802.11ac VHT80           | 5210            | 80            |
| IEEE 802.11ax VHT20           | 5180            | 88            |
|                               | 5200            | 88            |
|                               | 5240            | 88            |
| IEEE 802.11ax VHT40           | 5190            | 80            |
|                               | 5230            | 80            |
| IEEE 802.11ax VHT80           | 5210            | 80            |

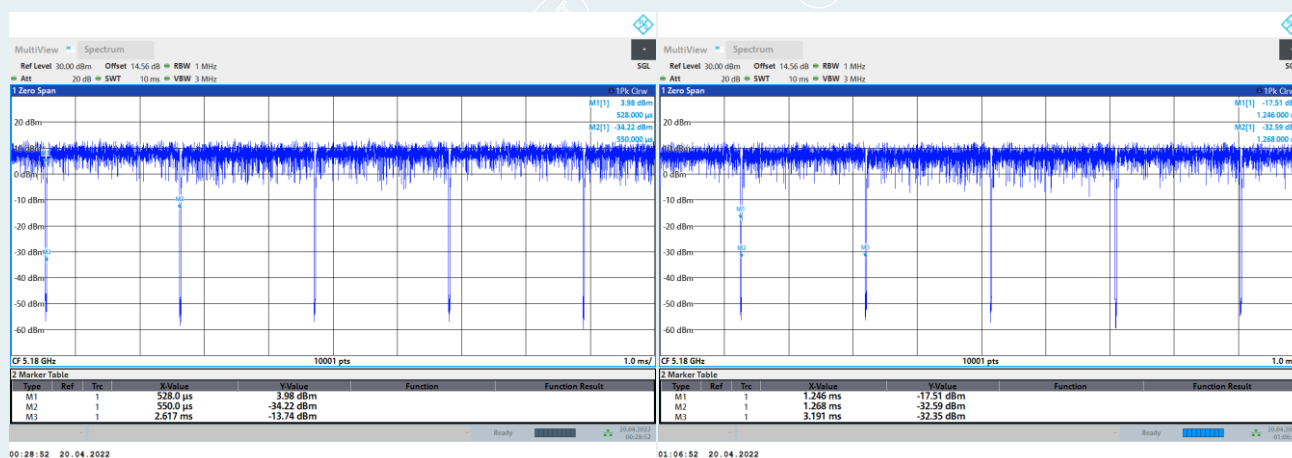
## 2.8. DUTY CYCLE

|                                 |              |                     |             |
|---------------------------------|--------------|---------------------|-------------|
| <b>EUT Name</b>                 | GPON ONU     | <b>Model</b>        | HG6245Y     |
| <b>Environmental Conditions</b> | 23.9°C/47%RH | <b>Test Voltage</b> | AC120V/60Hz |
| <b>Tested By</b>                | Liu lingfeng | <b>Tested Date</b>  | 2022/04/20  |

| Mode       | Frequency (MHz) | Antenna | Duty Cycle (%) | Correction Factor (dB) | 1/T (kHz) |
|------------|-----------------|---------|----------------|------------------------|-----------|
| 802.11a    | 5180            | Ant1    | 98.95          | 0                      | 0.48      |
| 802.11n20  | 5180            | Ant1    | 98.87          | 0                      | 0.52      |
| 802.11n40  | 5190            | Ant1    | 90.71          | 0.42                   | 1.06      |
| 802.11ac20 | 5180            | Ant1    | 98.62          | 0                      | 0.52      |
| 802.11ac40 | 5190            | Ant1    | 97.25          | 0.12                   | 1.05      |
| 802.11ac80 | 5210            | Ant1    | 94.48          | 0.25                   | 2.16      |
| 802.11ax20 | 5180            | Ant1    | 98.62          | 0                      | 0.52      |
| 802.11ax40 | 5190            | Ant1    | 97.27          | 0.12                   | 1.04      |
| 802.11ax80 | 5210            | Ant1    | 94.65          | 0.24                   | 2.09      |

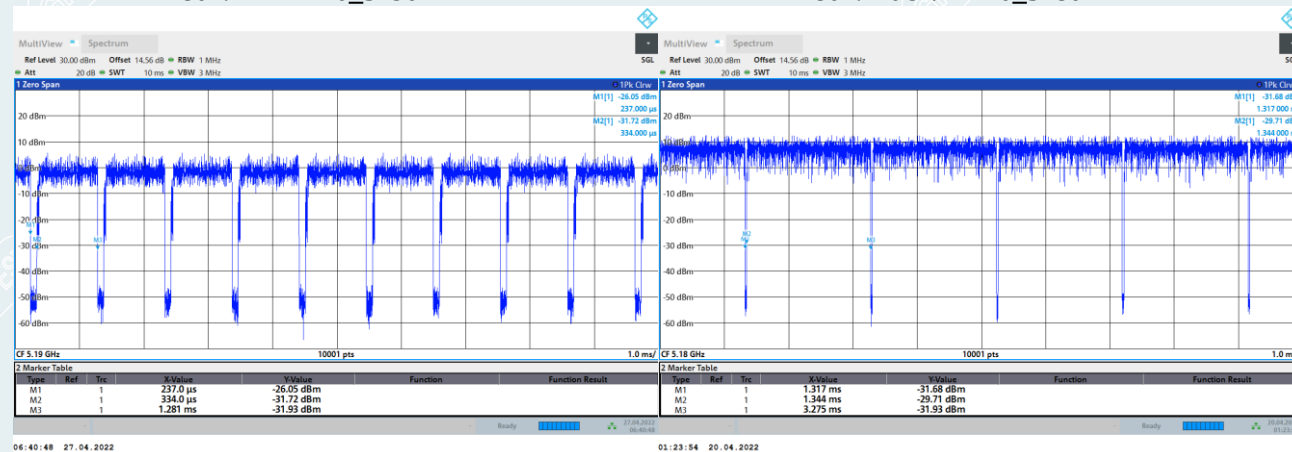
802.11a\_5180MHz

802.11n HT20\_5180MHz

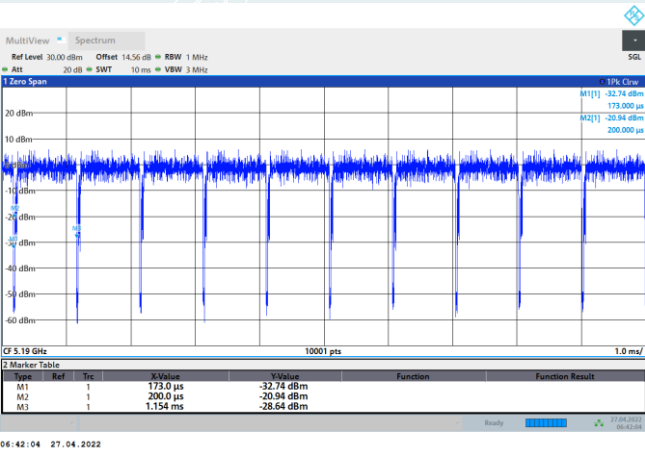


802.11n HT40\_5190MHz

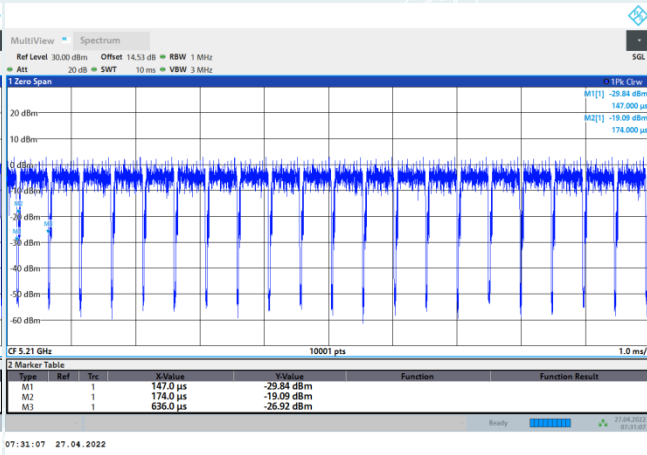
802.11ac VHT20\_5180MHz



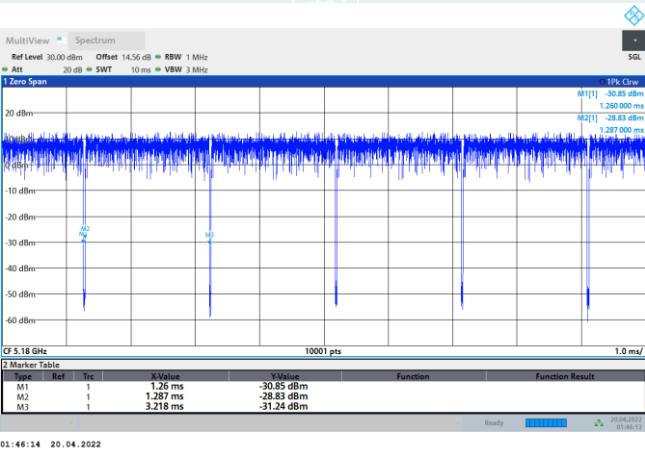
802.11ac VHT40\_5190MHz



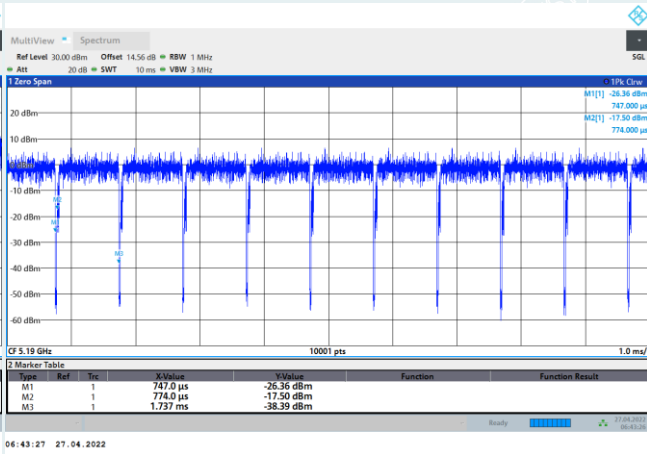
802.11ac VHT80\_5210MHz



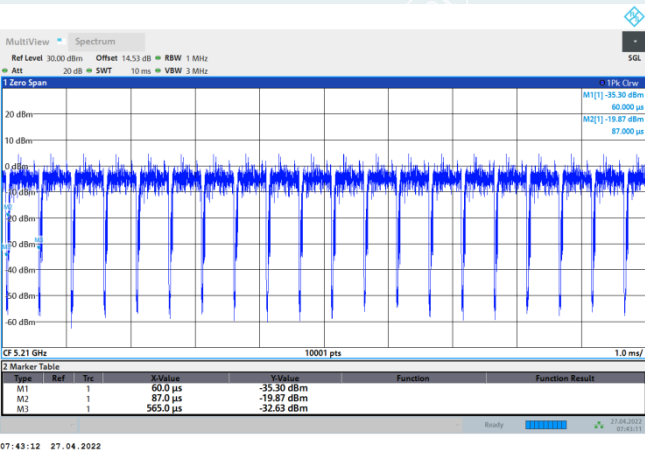
802.11ax HE20\_5180MHz



802.11ax HE40\_5190MHz



802.11ax HE80\_5210MHz



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### 3. LABORATORY AND ACCREDITATIONS

#### 3.1. LABORATORY

The tests & measurements refer to this report were performed by Shenzhen EMC Laboratory of Guangzhou GRG Metrology & Test Co., Ltd.

Add : No.1301 Guangang Road Xinlan Community, Guanlan Street, Longhua District  
Shenzhen, 518110, People's Republic of China

P.C. : 518000

Tel : 0755-61180008

Fax : 0755-61180008

#### 3.2. ACCREDITATIONS

Our laboratories are accredited and approved by the following approval agencies according to ISO/IEC 17025.

**USA** A2LA(Certificate #2861.01)

**China** CNAS(L0446)

The measuring facility of laboratories has been authorized or registered by the following approval agencies.

**Canada** ISED (Company Number: 24897, CAB identifier:CN0069)

**USA** FCC (Registration Number: 759402, Designation Number:CN1198)

Copies of granted accreditation certificates are available for downloading from our web site,

<http://www.grgtest.com>

#### 3.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

| Measurement         |            | Frequency     | Uncertainty |
|---------------------|------------|---------------|-------------|
| Radiated Emission   | Horizontal | 30MHz~1000MHz | 4.30dB      |
|                     |            | 1GHz~18GHz    | 5.60dB      |
|                     |            | 18GHz~26GHz   | 3.65dB      |
|                     |            | 26GHz~40GHz   | 4.00dB      |
|                     | Vertical   | 30MHz~1000MHz | 4.30dB      |
|                     |            | 1GHz~18GHz    | 5.60dB      |
|                     |            | 18GHz~26GHz   | 3.65dB      |
|                     |            | 26GHz~40GHz   | 4.00dB      |
| Conduction Emission |            | 9kHz~150kHz   | 2.80dB      |
|                     |            | 150kHz~10MHz  | 2.80dB      |
|                     |            | 10MHz~30MHz   | 2.20dB      |

| Measurement                  | Uncertainty          |
|------------------------------|----------------------|
| RF frequency                 | $6.0 \times 10^{-6}$ |
| RF power conducted           | 0.78 dB              |
| Occupied channel bandwidth   | 0.4 dB               |
| Unwanted emission, conducted | 0.68 dB              |
| Humidity                     | 6 %                  |
| Temperature                  | 2°C                  |

This uncertainty represents an expanded uncertainty factor of  $k=2$ .

----- The following blanks -----

**4. LIST OF USED TEST EQUIPMENT AT GRGT**

| Name of Equipment                                                   | Manufacturer | Model           | Serial Number | Calibration Due |
|---------------------------------------------------------------------|--------------|-----------------|---------------|-----------------|
| <b>Conducted Emissions</b>                                          |              |                 |               |                 |
| EMI Receiver                                                        | R&S          | ESCI            | 100783        | 2022-09-13      |
| LISN(EUT)                                                           | R&S          | ENV216          | 101543        | 2022-09-14      |
| Test S/W                                                            | Tonscend     | JS32-CE         | /             | /               |
| <b>Radiated Spurious Emission&amp;Restricted bands of operation</b> |              |                 |               |                 |
| Loop Antenna                                                        | TESEQ        | HLA6121         | 52599         | 2023-04-02      |
| Test Receiver                                                       | R&S          | ESCI            | 100088        | 2022-10-31      |
| Preamplifier                                                        | EMEC         | EM330           | /             | 2023-03-05      |
| Bi-log Antenna                                                      | TESEQ        | CBL6143A        | 32399         | 2022-11-25      |
| Spectrum Analyzer                                                   | Agilent      | N9010A          | MY55370330    | 2022-11-08      |
| Horn Antenna                                                        | Schwarzbeck  | BBHA9120D       | 286           | 2022-09-11      |
| Board-Band<br>Horn Antenna                                          | Schwarzbeck  | BBHA 9170       | BBHA 9170-497 | 2022-10-16      |
| Amplifier                                                           | Tonscend     | TAP01018048     | AP20E8060075  | 2022-06-07      |
| Amplifier                                                           | Tonscend     | TAP184050       | AP20E806071   | 2022-05-17      |
| Test S/W                                                            | Tonscend     | JS32-RE/2.5.2.4 |               |                 |
| <b>26dB Bandwidth&amp; 99% Occupied bandwidth</b>                   |              |                 |               |                 |
| Spectrum Analyzer                                                   | R&S          | FSV3044         | 101223        | 2023-02-28      |
| <b>Output Power</b>                                                 |              |                 |               |                 |
| Pulse power sensor                                                  | Agilent      | MA2411B         | 1126150       | 2023-03-01      |
| Power meter                                                         | Anritsu      | ML2495A         | 1204003       | 2023-02-28      |
| <b>Frequency Stability</b>                                          |              |                 |               |                 |
| Spectrum Analyzer                                                   | R&S          | FSV3044         | 101223        | 2023-02-28      |
| Temperature& humidity<br>chamber                                    | HOSON        | HS01060SDF      | 1910008401    | 2022-09-02      |
| <b>Power Spectral Density</b>                                       |              |                 |               |                 |
| Spectrum Analyzer                                                   | R&S          | FSV3044         | 101223        | 2023-02-28      |

Note: The calibration interval of the above test instruments is 12 months.

## 5. CONDUCTED EMISSION MEASUREMENT

### 5.1. LIMITS

| Frequency range      | Limits (dB $\mu$ V) |              |
|----------------------|---------------------|--------------|
|                      | Quasi-peak          | Average      |
| 150kHz $\sim$ 0.5MHz | 66 $\sim$ 56        | 56 $\sim$ 46 |
| 0.5 MHz $\sim$ 5 MHz | 56                  | 46           |
| 5 MHz $\sim$ 30 MHz  | 60                  | 50           |

**NOTE:** (1) The lower limit shall apply at the transition frequencies.

(2) The limit decreases in line with the logarithm of the frequency in the range of 150 kHz to 0.5MHz.

### 5.2. TEST PROCEDURES

#### Procedure of Preliminary Test

Test procedures follow ANSI C63.10:2013.

For measurement of the disturbance voltage the equipment under test (EUT) is connected to the power supply mains and any other extended network via one or more artificial network(s). An EUT, whether intended to be grounded or not, and which is to be used on a table is configured as follows:

– Either the bottom or the rear of the EUT shall be at a controlled distance of 40 cm from a reference ground plane. This ground plane is normally the wall or floor of a shielded room. It may also be a grounded metal plane of at least 2 m by 2 m. This is physically accomplished as follows:

1) place the EUT on a table of non-conducting material which is at least 80 cm high. Place the EUT so that it is 40 cm from the wall of the shielded room, or

2) place the EUT on a table of non-conducting material which is 40 cm high so that the bottom of the EUT is 40 cm above the ground plane;

– All other conductive surfaces of the EUT shall be at least 80 cm from the reference ground plane;

– The EUT are placed on the floor that one side of the housings is 40 cm from the vertical reference ground plane and other metallic parts;

– Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth forming a bundle 30 cm to 40 cm long, hanging approximately in the middle between the ground plane and the table.

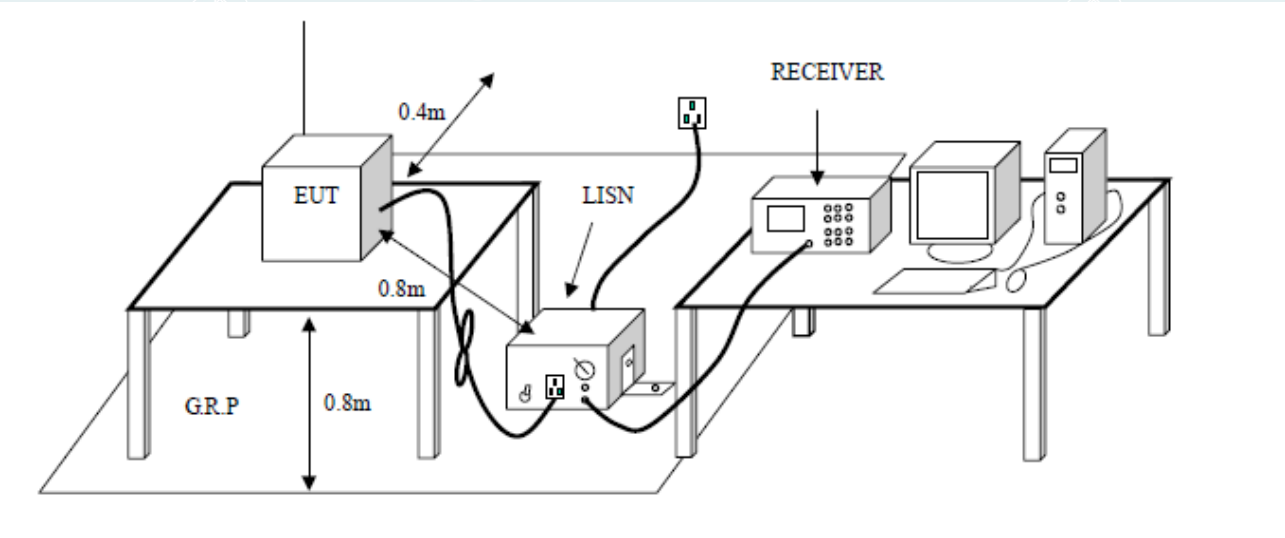
– Use serial board or connecting line to make EUT and notebook to communicate, according to the actual demand to make EUT emit fixed frequency signal.

The test mode(s) described in Item 2.5 were scanned during the preliminary test. After the preliminary scan, we found the test mode described in Item 2.5 producing the highest emission level. The EUT configuration and cable configuration of the above highest emission levels were recorded for reference of the final test.

#### Procedure of Final Test

EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test. A scan was taken on both power lines, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. The test data of the worst-case condition(s) was recorded.

5.3. TEST SETUP



5.4. DATA SAMPLE

| Frequency (MHz) | QP Reading (dBuV) | Average Reading (dBuV) | Correction Factor (dB) | QP Result (dBuV) | Average Result (dBuV) | QP Limit (dBuV) | Average Limit (dBuV) | QP Margin (dB) | Average Margin (dB) | Remark (Pass/Fail) |
|-----------------|-------------------|------------------------|------------------------|------------------|-----------------------|-----------------|----------------------|----------------|---------------------|--------------------|
| X.XXXX          | 32.69             | 25.65                  | 11.52                  | 44.21            | 37.17                 | 65.78           | 55.79                | -21.57         | -18.62              | Pass               |

Factor = Insertion loss of LISN + Cable Loss  
Result = Quasi-peak Reading/ Average Reading + Factor  
Limit = Limit stated in standard  
Margin = Result (dBuV) – Limit (dBuV)

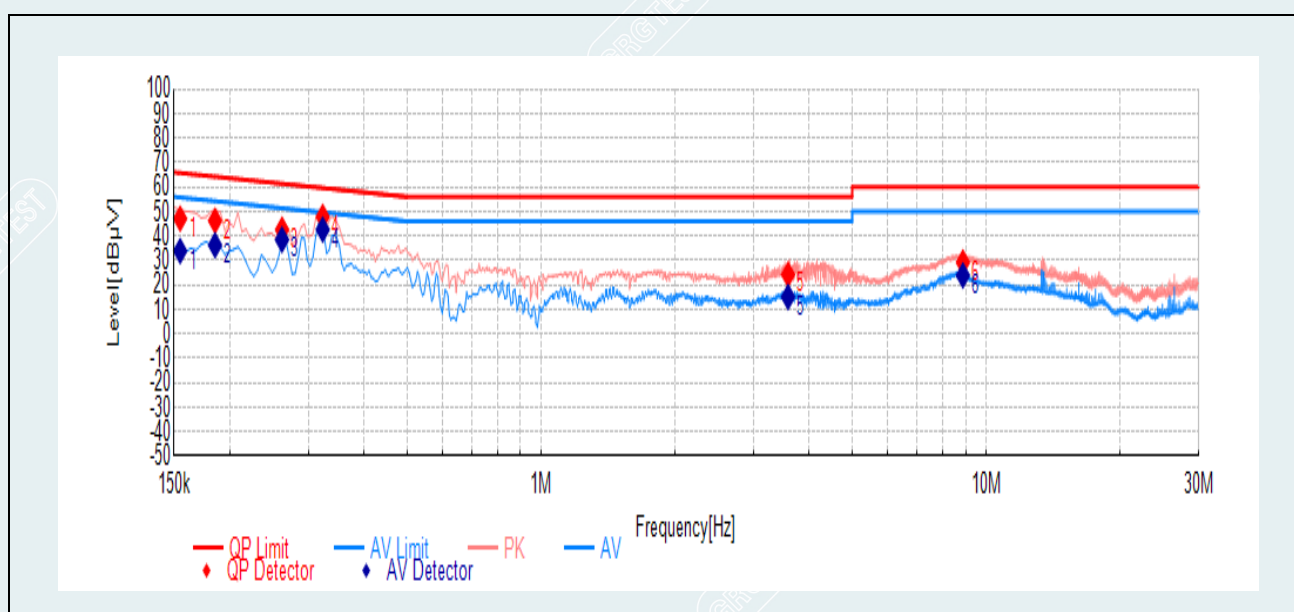
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## 5.5. TEST RESULTS

All models were pretested and only the worst modes and channels were recorded in this report. (IEEE 802.11a 5180MHz ant2)

|                          |              |               |                    |
|--------------------------|--------------|---------------|--------------------|
| EUT Name                 | GPON ONU     | Model         | HG6245Y            |
| Environmental Conditions | 23.9°C/47%RH | Test Mode     | Mode1              |
| Power supply             | AC120V/60Hz  | Test Engineer | Liu lingfeng       |
| Test Date                | 2022/04/24   | Sample No.    | E202203219481-0002 |

IEEE 802.11a:5180MHz



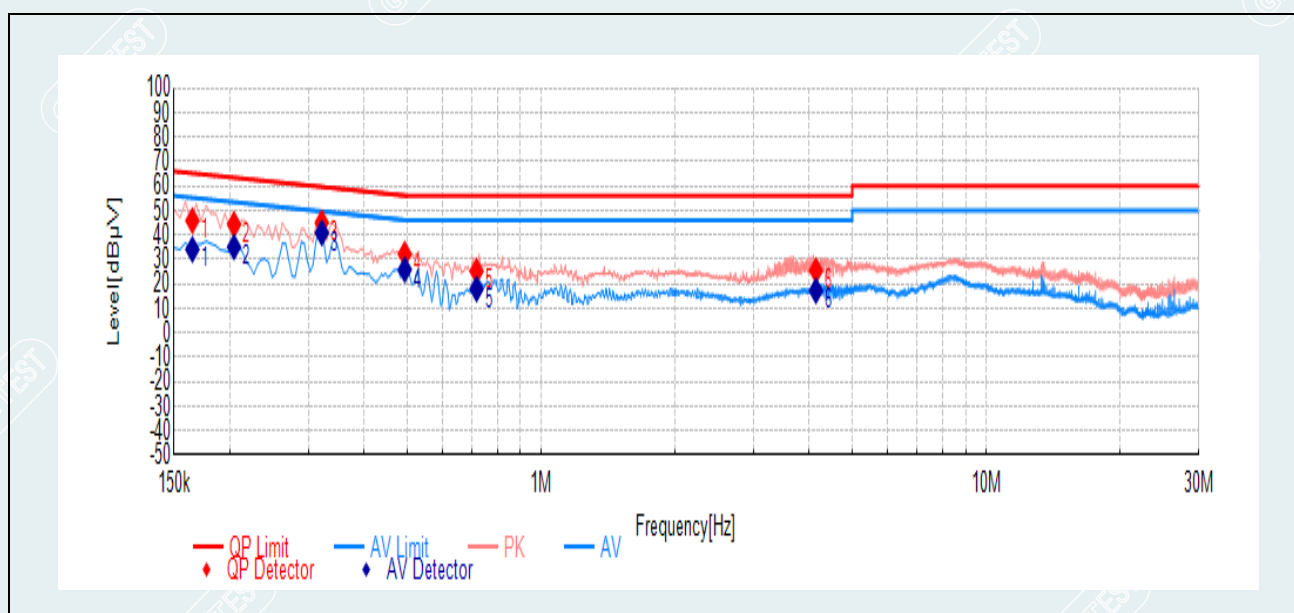
| No. | Frequency [MHz] | QuasiPeak result [dBμV] | QuasiPeak limit [dBμV] | QuasiPeak Margin [dB] | Average result [dBμV] | Average limit [dBμV] | Average Margin [dB] | Remark |
|-----|-----------------|-------------------------|------------------------|-----------------------|-----------------------|----------------------|---------------------|--------|
| 1   | 0.1547          | 47.08                   | 65.74                  | 18.66                 | 33.89                 | 55.74                | 21.85               | PASS   |
| 2   | 0.1853          | 46.22                   | 64.25                  | 18.03                 | 36.23                 | 54.25                | 18.02               | PASS   |
| 3   | 0.2620          | 42.55                   | 61.37                  | 18.82                 | 38.49                 | 51.37                | 12.88               | PASS   |
| 4   | 0.3234          | 47.80                   | 59.62                  | 11.82                 | 42.59                 | 49.62                | 7.03                | PASS   |
| 5   | 3.5894          | 24.29                   | 56.00                  | 31.71                 | 15.11                 | 46.00                | 30.89               | PASS   |
| 6   | 8.8676          | 29.22                   | 60.00                  | 30.78                 | 23.89                 | 50.00                | 26.11               | PASS   |

Note:

*L = Live Line*

|                          |              |               |                    |
|--------------------------|--------------|---------------|--------------------|
| EUT Name                 | GPON ONU     | Model         | HG6245Y            |
| Environmental Conditions | 23.9°C/47%RH | Test Mode     | Model1             |
| Power supply             | AC120V/60Hz  | Test Engineer | Liu lingfeng       |
| Test Date                | 2022/04/24   | Sample No.    | E202203219481-0002 |

IEEE 802.11a:5180MHz



| No. | Frequency [MHz] | QuasiPeak result [dBμV] | QuasiPeak limit [dBμV] | QuasiPeak Margin [dB] | Average result [dBμV] | Average limit [dBμV] | Average Margin [dB] | Remark |
|-----|-----------------|-------------------------|------------------------|-----------------------|-----------------------|----------------------|---------------------|--------|
| 1   | 0.1648          | 45.84                   | 65.22                  | 19.38                 | 34.08                 | 55.22                | 21.14               | PASS   |
| 2   | 0.2044          | 44.35                   | 63.43                  | 19.08                 | 35.08                 | 53.43                | 18.35               | PASS   |
| 3   | 0.3219          | 45.03                   | 59.66                  | 14.63                 | 40.89                 | 49.66                | 8.77                | PASS   |
| 4   | 0.4944          | 32.26                   | 56.09                  | 23.83                 | 25.84                 | 46.09                | 20.25               | PASS   |
| 5   | 0.7166          | 25.22                   | 56.00                  | 30.78                 | 17.92                 | 46.00                | 28.08               | PASS   |
| 6   | 4.1469          | 25.47                   | 56.00                  | 30.53                 | 17.22                 | 46.00                | 28.78               | PASS   |

Note: N = Neutral Line.

## 6. RADIATED SPURIOUS EMISSIONS

### 6.1. LIMITS

The maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- (1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (4) For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

The unwanted emissions which fall in Restricted bands shall not exceed the field strength levels specified in the following table:

15.209 Radiated emission limits

| Frequency (MHz) | Field Strength( $\mu$ V/m) | Distance(m) |
|-----------------|----------------------------|-------------|
| 0.009-0.490     | 2400/F(kHz)                | 300         |
| 0.490-1.705     | 24000/F(kHz)               | 30          |
| 1.705-30        | 30                         | 30          |
| 30-88           | 100                        | 3           |
| 88-216          | 150                        | 3           |
| 216-960         | 200                        | 3           |
| Above 960       | 500                        | 3           |

## 6.2. TEST PROCEDURES

- EUT was placed on a turn table, which is 0.8 meter high above ground for below 1GHz test, and which is 1.5 meter high above ground for above 1GHz test.
- EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower.
- Set the EUT transmit continuously with maximum output power.
- The turn table can rotate 360 degrees to determine the position of the maximum emission level.
- The antenna can be moved up and down between 1 meter and 4 meters to find out the maximum emission level. Both horizontal and vertical polarization of the antenna are set on test.
- Spectrum analyzer setting parameters please see the below table.
- Repeat above procedures until all channels were measured.
- Record the results in the test report.

For 9kHz-150kHz

| Spectrum Parameters | Setting                                 |
|---------------------|-----------------------------------------|
| RBW                 | 300Hz(for Peak&AVG)/CISPR 200Hz(for QP) |
| VBW                 | 300Hz(for Peak&AVG)/CISPR 200Hz(for QP) |
| Start frequency     | 9kHz                                    |
| Stop frequency      | 150kHz                                  |
| Sweep Time          | Auto                                    |
| Detector            | PEAK/QP/AVG                             |
| Trace Mode          | Max Hold                                |

Note : For 9kHz-90kHz&110kHz-150kHz,the detector is average,other frequency is CISPR QP detector.

For 150kHz-30MHz

| Spectrum Parameters | Setting  |
|---------------------|----------|
| RBW                 | 9kHz     |
| VBW                 | 9kHz     |
| Start frequency     | 150kHz   |
| Stop frequency      | 30MHz    |
| Sweep Time          | Auto     |
| Detector            | QP       |
| Trace Mode          | Max Hold |

Note : For 150kHz-490kHz,the detector is average,other frequency is CISPR QP detector.

## For 30MHz-1GHz

| Spectrum Parameters | Setting  |
|---------------------|----------|
| RBW                 | 120kHz   |
| VBW                 | 300kHz   |
| Start frequency     | 30MHz    |
| Stop frequency      | 1GHz     |
| Sweep Time          | Auto     |
| Detector            | QP       |
| Trace Mode          | Max Hold |

## For Above 1GHz

| Spectrum Parameters | Setting          |                                                                                                                 |
|---------------------|------------------|-----------------------------------------------------------------------------------------------------------------|
| RBW                 | 1MHz             |                                                                                                                 |
| VBW                 | PEAK Measurement | AVG Measurement                                                                                                 |
|                     | 3MHz             | Duty cycle $\geq$ 98%, VBW=10Hz<br>Duty cycle<98%, VBW $\geq$ 1/T<br>Video bandwidth mode=RMS (power averaging) |
| Start frequency     | 1GHz             |                                                                                                                 |
| Stop frequency      | 40GHz            |                                                                                                                 |
| Sweep Time          | Auto             |                                                                                                                 |
| Detector            | PEAK             |                                                                                                                 |
| Trace Mode          | Max Hold         |                                                                                                                 |

Note :

- (1) T is the on-time time of the duty cycle, when EUT transmit continuously with maximum output power, unit is seconds. reference section 2.7 for the on-time time.
- (2) Above 18G test distance is 1m, so the Peak Limit= $74+20*\log(3/1)=83.54$  (dB $\mu$ V/m).  
The Avg Limit= $54+20*\log(3/1)=63.54$  (dB $\mu$ V/m).

----- The following blanks -----

### 6.3. TEST SETUP

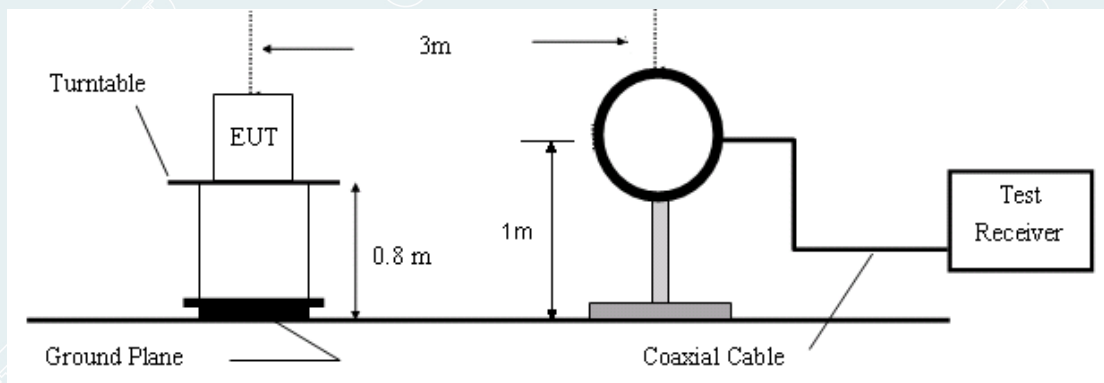


Figure 1. 9kHz to 30MHz radiated emissions test configuration

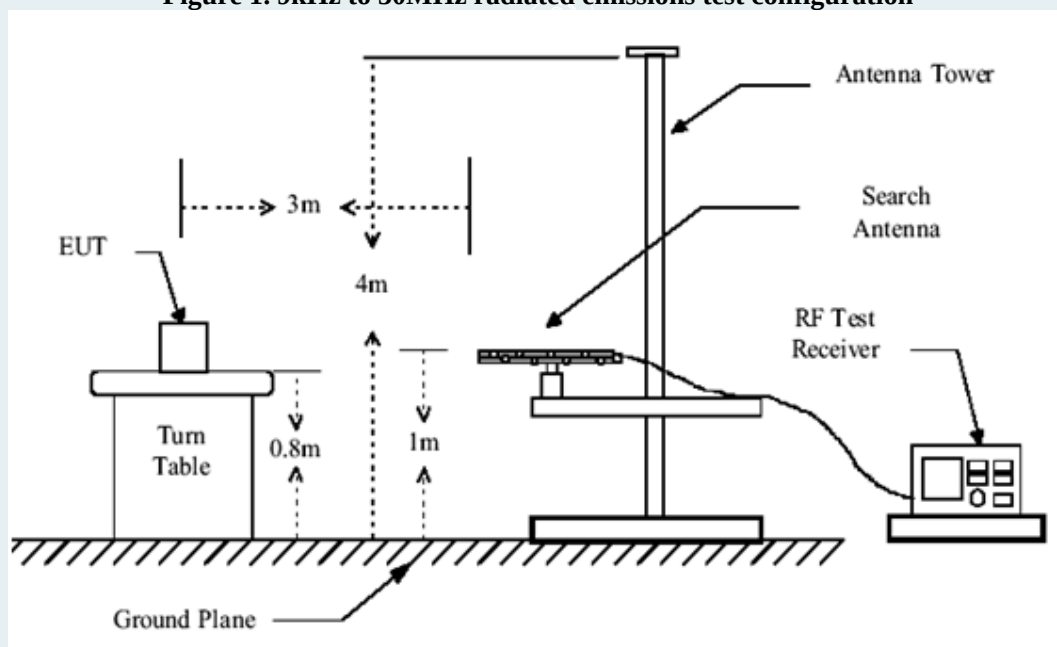


Figure 2. 30MHz to 1GHz radiated emissions test configuration

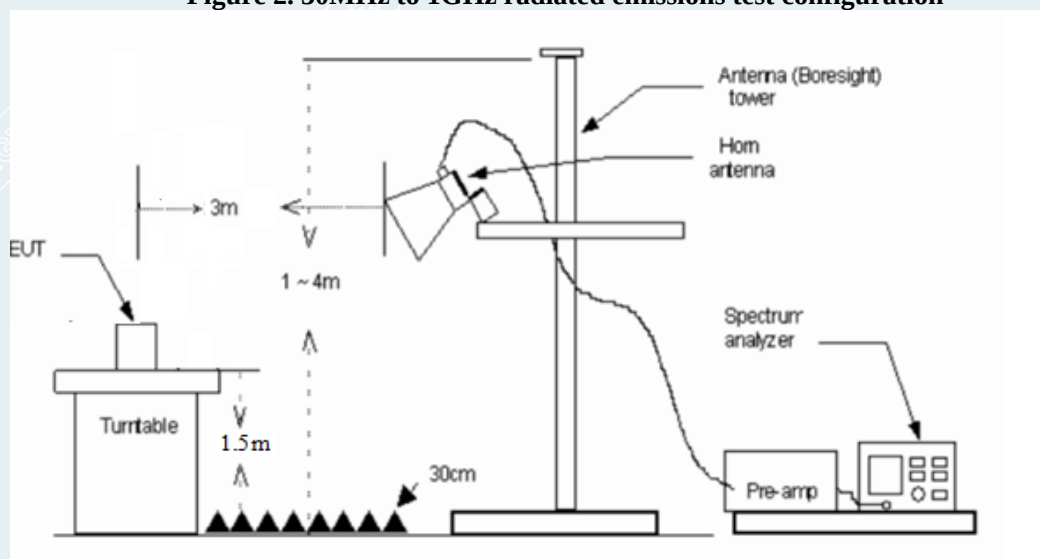


Figure 3. 1GHz-18GHz radiated emissions test configuration

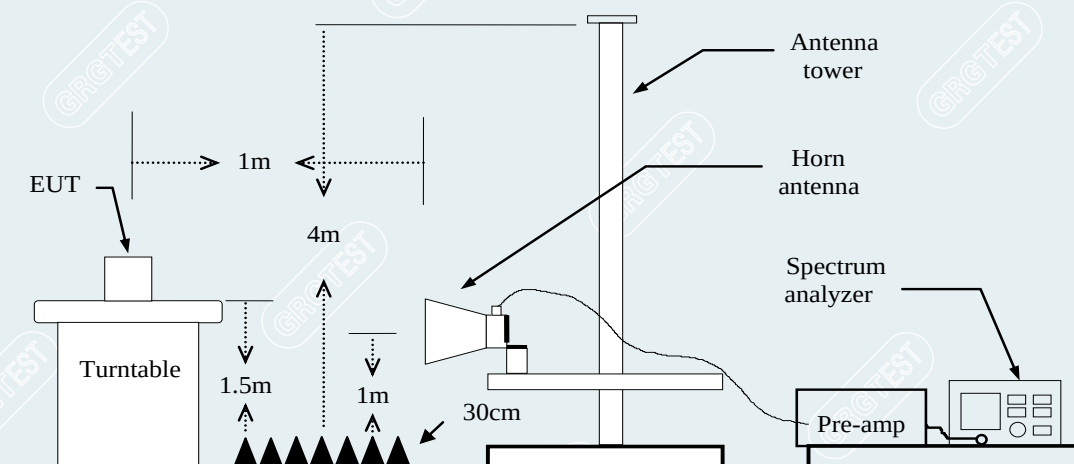


Figure 4. Above 18GHz radiated emissions test configuration

#### 6.4. DATA SAMPLE

##### 30MHz to 1GHz

| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>Factor(dB/m) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark | Pole     |
|-----|--------------------|---------------------|-------------------------|--------------------|-------------------|----------------|--------|----------|
| xxx | xxx                | 37.06               | -15.48                  | 21.58              | 40.00             | -18.42         | QP     | Vertical |

##### 1GHz-18GHz

| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Level<br>(dBuV/m) | Factor<br>(dB) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark | Pole     |
|-----|--------------------|---------------------|-------------------|----------------|-------------------|----------------|--------|----------|
| xxx | xxx                | 49.66               | 53.43             | 3.77           | 74.00             | 20.57          | peak   | Vertical |
| xxx | xxx                | 34.98               | 38.75             | 3.77           | 54.00             | 15.25          | AVG    | Vertical |

##### Above 18GHz

| No. | Frequency<br>(MHz) | Reading<br>(dBuV/m) | Level<br>(dBuV/m) | Factor<br>(dB) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark | Pole     |
|-----|--------------------|---------------------|-------------------|----------------|-------------------|----------------|--------|----------|
| xxx | xxx                | 59.22               | 58.58             | -0.64          | 83.54             | 24.96          | peak   | Vertical |
| xxx | xxx                | 53.01               | 52.37             | -0.64          | 63.54             | 11.17          | AVG    | Vertical |

Frequency (MHz) = Emission frequency in MHz

Ant.Pol. (H/V) = Antenna polarization

Reading (dBuV) = Uncorrected Analyzer / Receiver reading

Correction Factor (dB/m) = Antenna factor + Cable loss – Amplifier gain

Result (dBuV/m) = Reading (dBuV) + Correction Factor (dB/m)

Limit (dBuV/m) = Limit stated in standard

Margin (dB) = Remark Result (dBuV/m) – Limit (dBuV/m)

Peak = Peak Reading

QP = Quasi-peak Reading

AVG = Average Reading

## 6.5. TEST RESULTS

### 30MHz to 1GHz

All models were pretested and only the worst modes and channels were recorded in this report. (IEEE 802.11a 5180MHz ant2)

Mode: Mode 1/IEEE 802.11a ant2

Temp. /Hum.:25.5°C/45%RH

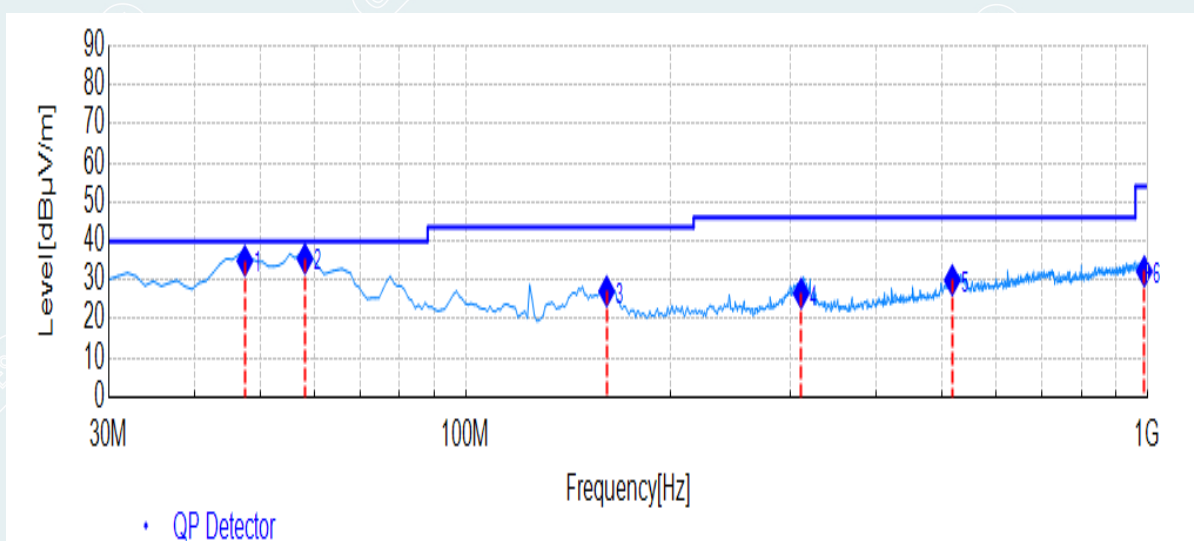
Test Engineer: Liu lingfeng

Polarity: Vertical

Channel :5180MHz

Power supply:AC120V/60Hz

Test Date: 2022-05-05



| NO. | Freq. [MHz] | QP Reading[dBμV/m] | Factor [dB] | QP Value [dBμV/m] | QP Limit [dBμV/m] | QP Margin [dB] | Polarity |
|-----|-------------|--------------------|-------------|-------------------|-------------------|----------------|----------|
| 1   | 47.4775     | 19.92              | 15.01       | 34.93             | 40.00             | 5.07           | Vertical |
| 2   | 58.1582     | 20.34              | 15.14       | 35.48             | 40.00             | 4.52           | Vertical |
| 3   | 161.0811    | 14.61              | 12.53       | 27.14             | 43.50             | 16.36          | Vertical |
| 4   | 310.6106    | 10.81              | 15.75       | 26.56             | 46.00             | 19.44          | Vertical |
| 5   | 517.4274    | 10.49              | 19.48       | 29.97             | 46.00             | 16.03          | Vertical |
| 6   | 989.3193    | 5.91               | 26.35       | 32.26             | 54.00             | 21.74          | Vertical |

Mode: Mode 1/ IEEE 802.11a ant2

Temp. /Hum.:25.5°C/45%RH

Test Engineer: Liu lingfeng

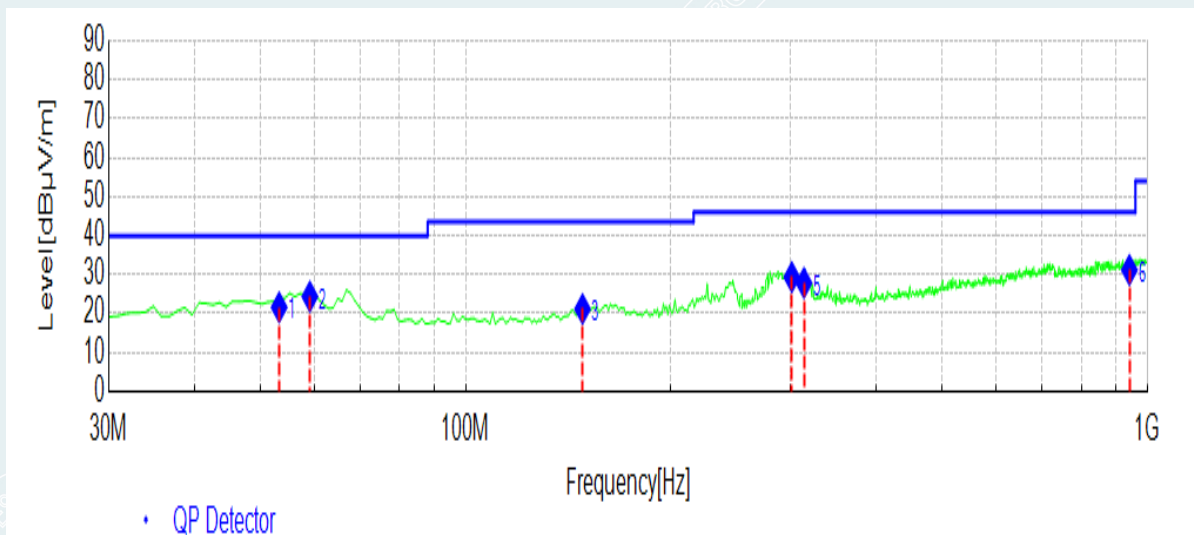
Polarity: Horizontal

Channel :5180MHz

Power supply:AC120V/60Hz

Test Date: 2022-05-05

/



| NO. | Freq.<br>[MHz] | QP<br>Reading[dBμV/m] | Factor<br>[dB] | QP Value<br>[dBμV/m] | QP Limit<br>[dBμV/m] | QP<br>Margin<br>[dB] | Polarity   |
|-----|----------------|-----------------------|----------------|----------------------|----------------------|----------------------|------------|
| 1   | 53.3033        | 6.4                   | 15.20          | 21.60                | 40.00                | 18.40                | Horizontal |
| 2   | 59.1291        | 9.26                  | 15.12          | 24.38                | 40.00                | 15.62                | Horizontal |
| 3   | 148.4585       | 8.97                  | 12.20          | 21.17                | 43.50                | 22.33                | Horizontal |
| 4   | 300.9009       | 13.66                 | 15.69          | 29.35                | 46.00                | 16.65                | Horizontal |
| 5   | 313.5235       | 12.08                 | 15.77          | 27.85                | 46.00                | 18.15                | Horizontal |
| 6   | 940.7708       | 5.19                  | 26.02          | 31.21                | 46.00                | 14.79                | Horizontal |

**Above 1GHz-18GHz**

Pre-scan all modes and recorded the worst case results in this report ( IEEE 802.11a / 802.11n HT20 / 802.11n HT40 / 802.11ac VHT80 / 802.11ax HE20 / 802.11ax HE40 / 802.11ax HE80).

Mode: Mode 1/ IEEE 802.11a ant2

Channel :5180MHz

Temp. /Hum.:25℃/60%RH

Power supply:AC120V/60Hz

Test Engineer: Liu lingfeng

Test Date: 2022-05-05

**PK Final Data List**

| NO. | Freq.<br>[MHz] | Reading<br>[dBμV/m] | Level<br>[dBμV/m] | Factor<br>[dB] | Limit<br>[dBμV/m] | Margin<br>[dB] | Polarity   |
|-----|----------------|---------------------|-------------------|----------------|-------------------|----------------|------------|
| 1   | 1511.5000      | 61.93               | -19.35            | 42.58          | 74.00             | 31.42          | Horizontal |
| 2   | 1764.5000      | 64.64               | -19.94            | 44.70          | 74.00             | 29.30          | Horizontal |
| 3   | 3178.0000      | 62.22               | -16.45            | 45.77          | 74.00             | 28.23          | Horizontal |
| 4   | 6902.5000      | 54.11               | -2.86             | 51.25          | 74.00             | 22.75          | Horizontal |
| 5   | 10358.2500     | 59.55               | 2.65              | 62.20          | 74.00             | 11.80          | Horizontal |
| 6   | 14705.2500     | 51.83               | 7.65              | 59.48          | 74.00             | 14.52          | Horizontal |

**AV Final Data List**

| NO. | Freq.<br>[MHz] | Factor<br>[dB] | AV<br>Reading<br>[dBμV/m] | AV Value<br>[dBμV/m] | AV Limit<br>[dBμV/m] | AV<br>Margin<br>[dB] | Polarity   |
|-----|----------------|----------------|---------------------------|----------------------|----------------------|----------------------|------------|
| 1   | 10358.2500     | 47.01          | 2.65                      | 49.66                | 54.00                | 4.34                 | Horizontal |

**PK Final Data List**

| NO. | Freq.<br>[MHz] | Reading<br>[dBμV/m] | Level<br>[dBμV/m] | Factor<br>[dB] | Limit<br>[dBμV/m] | Margin<br>[dB] | Polarity |
|-----|----------------|---------------------|-------------------|----------------|-------------------|----------------|----------|
| 1   | 1715.0000      | 61.63               | -19.91            | 41.72          | 74.00             | 32.28          | Vertical |
| 2   | 2644.5000      | 61.39               | -18.20            | 43.19          | 74.00             | 30.81          | Vertical |
| 3   | 4003.0000      | 57.75               | -11.87            | 45.88          | 74.00             | 28.12          | Vertical |
| 4   | 10036.2500     | 52.68               | 1.57              | 54.25          | 74.00             | 19.75          | Vertical |
| 5   | 12991.7500     | 52.67               | 4.27              | 56.94          | 74.00             | 17.06          | Vertical |
| 6   | 14716.7500     | 52.31               | 7.62              | 59.93          | 74.00             | 14.07          | Vertical |

**AV Final Data List**

| NO. | Freq.<br>[MHz] | Factor<br>[dB] | AV<br>Reading<br>[dBμV/m] | AV Value<br>[dBμV/m] | AV Limit<br>[dBμV/m] | AV<br>Margin<br>[dB] | Polarity |
|-----|----------------|----------------|---------------------------|----------------------|----------------------|----------------------|----------|
| 1   | 14716.7500     | 41.47          | 7.62                      | 49.09                | 54.00                | 4.91                 | Vertical |

Mode: Mode 1/ IEEE 802.11a ant2

Channel :5200MHz

Temp. /Hum.:25℃/60%RH

Power supply:AC120V/60Hz

Test Engineer: Liu lingfeng

Test Date: 2022-05-05

## PK Final Data List

| NO. | Freq.<br>[MHz] | Reading<br>[dBμV/m] | Factor<br>[dB] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Polarity   |
|-----|----------------|---------------------|----------------|-------------------|-------------------|----------------|------------|
| 1   | 1511.5000      | 60.63               | -19.35         | 41.28             | 74.00             | 32.72          | Horizontal |
| 2   | 2639.0000      | 61.37               | -18.25         | 43.12             | 74.00             | 30.88          | Horizontal |
| 3   | 3189.0000      | 59.2                | -16.50         | 42.70             | 74.00             | 31.30          | Horizontal |
| 4   | 8121.5000      | 53.98               | -0.56          | 53.42             | 74.00             | 20.58          | Horizontal |
| 5   | 10358.2500     | 59.22               | 2.65           | 61.87             | 74.00             | 12.13          | Horizontal |
| 6   | 13906.0000     | 51.67               | 8.70           | 60.37             | 74.00             | 13.63          | Horizontal |

## AV Final Data List

| NO. | Freq.<br>[MHz] | AV Reading<br>[dBμV/m] | Factor<br>[dB] | AV Value<br>[dBμV/m] | AV Limit<br>[dBμV/m] | AV<br>Margin<br>[dB] | Polarity   |
|-----|----------------|------------------------|----------------|----------------------|----------------------|----------------------|------------|
| 5   | 10358.2500     | 47.04                  | 2.65           | 49.69                | 54.00                | 4.31                 | Horizontal |

## PK Final Data List

| NO. | Freq.<br>[MHz] | Reading<br>[dBμV/m] | Factor<br>[dB] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Polarity |
|-----|----------------|---------------------|----------------|-------------------|-------------------|----------------|----------|
| 1   | 1055.0000      | 64.73               | -19.84         | 44.89             | 74.00             | 29.11          | Vertical |
| 2   | 1511.5000      | 61.45               | -19.35         | 42.10             | 74.00             | 31.90          | Vertical |
| 3   | 2127.5000      | 60.12               | -20.32         | 39.80             | 74.00             | 34.20          | Vertical |
| 4   | 3145.0000      | 57.6                | -16.31         | 41.29             | 74.00             | 32.71          | Vertical |
| 5   | 10893.0000     | 52.65               | 4.28           | 56.93             | 74.00             | 17.07          | Vertical |
| 6   | 13906.0000     | 50.78               | 8.70           | 59.48             | 74.00             | 14.52          | Vertical |

## AV Final Data List

| NO. | Freq.<br>[MHz] | AV Reading<br>[dBμV/m] | Factor<br>[dB] | AV Value<br>[dBμV/m] | AV Limit<br>[dBμV/m] | AV<br>Margin<br>[dB] | Polarity |
|-----|----------------|------------------------|----------------|----------------------|----------------------|----------------------|----------|
| 1   | 13906.0000     | 40.81                  | 8.70           | 49.51                | 54.00                | 4.49                 | Vertical |

Mode: Mode 1/ IEEE 802.11a ant2

Channel :5240MHz

Temp. /Hum.:25℃/60%RH

Power supply:AC120V/60Hz

Test Engineer: Liu lingfeng

Test Date: 2022-05-05

## PK Final Data List

| NO. | Freq.<br>[MHz] | Reading<br>[dBμV/m] | Level<br>[dBμV/m] | Factor<br>[dB] | Limit<br>[dBμV/m] | Margin<br>[dB] | Polarity   |
|-----|----------------|---------------------|-------------------|----------------|-------------------|----------------|------------|
| 1   | 1511.5000      | 60.57               | -19.35            | 41.22          | 74.00             | 32.78          | Horizontal |
| 2   | 2446.5000      | 60.15               | -19.11            | 41.04          | 74.00             | 32.96          | Horizontal |
| 3   | 3205.5000      | 60.41               | -16.53            | 43.88          | 74.00             | 30.12          | Horizontal |
| 4   | 8029.5000      | 54.04               | -1.16             | 52.88          | 74.00             | 21.12          | Horizontal |
| 5   | 10479.0000     | 56.22               | 3.21              | 59.43          | 74.00             | 14.57          | Horizontal |
| 6   | 14699.5000     | 52.14               | 7.67              | 59.81          | 74.00             | 14.19          | Horizontal |

## AV Final Data List

| NO. | Freq.<br>[MHz] | AV Reading<br>[dBμV/m] | Factor<br>[dB] | AV Value<br>[dBμV/m] | AV Limit<br>[dBμV/m] | AV<br>Margin<br>[dB] | Polarity   |
|-----|----------------|------------------------|----------------|----------------------|----------------------|----------------------|------------|
| 1   | 10479.0000     | 45.66                  | 3.21           | 48.87                | 54.00                | 5.13                 | Horizontal |

## PK Final Data List

| NO. | Freq.<br>[MHz] | Reading<br>[dBμV/m] | Level<br>[dBμV/m] | Factor<br>[dB] | Limit<br>[dBμV/m] | Margin<br>[dB] | Polarity |
|-----|----------------|---------------------|-------------------|----------------|-------------------|----------------|----------|
| 1   | 1594.0000      | 63.59               | -19.12            | 44.47          | 74.00             | 29.53          | Vertical |
| 2   | 2540.0000      | 63.06               | -18.86            | 44.20          | 74.00             | 29.80          | Vertical |
| 3   | 3447.5000      | 57.77               | -15.03            | 42.74          | 74.00             | 31.26          | Vertical |
| 4   | 8104.2500      | 52.97               | -0.50             | 52.47          | 74.00             | 21.53          | Vertical |
| 5   | 10887.2500     | 53.11               | 4.28              | 57.39          | 74.00             | 16.61          | Vertical |
| 6   | 14521.2500     | 52.53               | 7.48              | 60.01          | 74.00             | 13.99          | Vertical |

## AV Final Data List

| NO. | Freq.<br>[MHz] | AV Reading<br>[dBμV/m] | Factor<br>[dB] | AV Value<br>[dBμV/m] | AV Limit<br>[dBμV/m] | AV<br>Margin<br>[dB] | Polarity |
|-----|----------------|------------------------|----------------|----------------------|----------------------|----------------------|----------|
| 1   | 14521.2500     | 42.50                  | 7.48           | 49.98                | 54.00                | 4.02                 | Vertical |

Mode: Mode 1/ IEEE 802.11n HT20

Temp. /Hum.:25°C/60%RH

Test Engineer: Liu lingfeng

Channel :5180MHz

Power supply:AC120V/60Hz

Test Date: 2022-05-05

| NO. | Freq.<br>[MHz] | Reading<br>[dBμV/m] | Level<br>[dBμV/m] | Factor<br>[dB] | Limit<br>[dBμV/m] | Margin<br>[dB] | Polarity   |
|-----|----------------|---------------------|-------------------|----------------|-------------------|----------------|------------|
| 1   | 3196.6967      | 63.23               | -16.54            | 46.69          | 74.00             | 27.31          | Horizontal |
| 2   | 5817.3173      | 63.31               | -6.14             | 57.17          | 74.00             | 16.83          | Horizontal |
| 3   | 8156.8284      | 56.80               | -0.67             | 56.13          | 74.00             | 17.87          | Horizontal |
| 4   | 10354.4272     | 63.20               | 2.63              | 65.83          | 74.00             | 8.17           | Horizontal |
| 5   | 14070.7854     | 56.63               | 6.69              | 63.32          | 74.00             | 10.68          | Horizontal |
| 6   | 17091.0455     | 53.03               | 12.91             | 65.94          | 74.00             | 8.06           | Horizontal |

| NO. | Freq.<br>[MHz] | Factor<br>[dB] | AV<br>Reading<br>[dBμV/m] | AV Value<br>[dBμV/m] | AV Limit<br>[dBμV/m] | AV<br>Margin<br>[dB] | Polarity   |
|-----|----------------|----------------|---------------------------|----------------------|----------------------|----------------------|------------|
| 1   | 10354.4272     | 50.12          | 2.63                      | 52.75                | 54                   | 1.25                 | Horizontal |

| NO. | Freq.<br>[MHz] | Reading<br>[dBμV/m] | Level<br>[dBμV/m] | Factor<br>[dB] | Limit<br>[dBμV/m] | Margin<br>[dB] | Polarity |
|-----|----------------|---------------------|-------------------|----------------|-------------------|----------------|----------|
| 1   | 3174.6747      | 62.05               | -16.44            | 45.61          | 74.00             | 28.39          | Vertical |
| 2   | 4633.6336      | 59.32               | -8.87             | 50.45          | 74.00             | 23.55          | Vertical |
| 3   | 8105.0525      | 57.41               | -0.51             | 56.90          | 74.00             | 17.10          | Vertical |
| 4   | 10354.4272     | 57.89               | 2.63              | 60.52          | 74.00             | 13.48          | Vertical |
| 5   | 14364.1821     | 55.17               | 7.81              | 62.98          | 74.00             | 11.02          | Vertical |
| 6   | 17056.5283     | 54.47               | 12.41             | 66.88          | 74.00             | 7.12           | Vertical |

| NO. | Freq.<br>[MHz] | Factor<br>[dB] | AV<br>Reading<br>[dBμV/m] | AV Value<br>[dBμV/m] | AV Limit<br>[dBμV/m] | AV<br>Margin<br>[dB] | Polarity |
|-----|----------------|----------------|---------------------------|----------------------|----------------------|----------------------|----------|
| 1   | 10354.4272     | 44.74          | 2.63                      | 47.37                | 54                   | 6.63                 | Vertical |

Mode: Mode 1/ IEEE 802.11n HT20

Temp. /Hum.:25°C/60%RH

Test Engineer: Liu lingfeng

Channel :5200MHz

Power supply:AC120V/60Hz

Test Date: 2022-05-05

| NO. | Freq.<br>[MHz] | Reading<br>[dBμV/m] | Level<br>[dBμV/m] | Factor<br>[dB] | Limit<br>[dBμV/m] | Margin<br>[dB] | Polarity   |
|-----|----------------|---------------------|-------------------|----------------|-------------------|----------------|------------|
| 1   | 4974.9750      | 61.60               | -9.49             | 52.11          | 74.00             | 21.89          | Horizontal |
| 2   | 6406.4064      | 57.35               | -3.24             | 54.11          | 74.00             | 19.89          | Horizontal |
| 3   | 8110.8054      | 57.19               | -0.53             | 56.66          | 74.00             | 17.34          | Horizontal |
| 4   | 10400.4502     | 62.15               | 2.85              | 65.00          | 74.00             | 9.00           | Horizontal |
| 5   | 13909.7049     | 54.53               | 8.65              | 63.18          | 74.00             | 10.82          | Horizontal |
| 6   | 17102.5513     | 54.45               | 13.03             | 67.48          | 74.00             | 6.52           | Horizontal |

| NO. | Freq.<br>[MHz] | Factor<br>[dB] | AV<br>Reading<br>[dBμV/m] | AV Value<br>[dBμV/m] | AV Limit<br>[dBμV/m] | AV<br>Margin<br>[dB] | Polarity   |
|-----|----------------|----------------|---------------------------|----------------------|----------------------|----------------------|------------|
| 1   | 10400.4502     | 42.55          | 2.85                      | 45.4                 | 54                   | 8.6                  | Horizontal |

| NO. | Freq.<br>[MHz] | Reading<br>[dBμV/m] | Level<br>[dBμV/m] | Factor<br>[dB] | Limit<br>[dBμV/m] | Margin<br>[dB] | Polarity |
|-----|----------------|---------------------|-------------------|----------------|-------------------|----------------|----------|
| 1   | 3163.6637      | 61.11               | -16.39            | 44.72          | 74.00             | 29.28          | Vertical |
| 2   | 6362.3624      | 57.10               | -3.41             | 53.69          | 74.00             | 20.31          | Vertical |
| 3   | 8070.5353      | 57.58               | -0.77             | 56.81          | 74.00             | 17.19          | Vertical |
| 4   | 10394.6973     | 58.55               | 2.82              | 61.37          | 74.00             | 12.63          | Vertical |
| 5   | 13921.2106     | 54.49               | 8.52              | 63.01          | 74.00             | 10.99          | Vertical |
| 6   | 16613.5568     | 53.83               | 10.30             | 64.13          | 74.00             | 9.87           | Vertical |

| NO. | Freq.<br>[MHz] | Factor<br>[dB] | AV<br>Reading<br>[dBμV/m] | AV Value<br>[dBμV/m] | AV Limit<br>[dBμV/m] | AV<br>Margin<br>[dB] | Polarity |
|-----|----------------|----------------|---------------------------|----------------------|----------------------|----------------------|----------|
| 1   | 10394.6973     | 46.35          | 2.82                      | 49.17                | 54                   | 4.83                 | Vertical |

Mode: Mode 1/ IEEE 802.11n HT20

Temp. /Hum.:25°C/60%RH

Test Engineer: Liu lingfeng

Channel :5240MHz

Power supply:AC120V/60Hz

Test Date: 2022-05-05

| NO. | Freq.<br>[MHz] | Reading<br>[dBμV/m] | Level<br>[dBμV/m] | Factor<br>[dB] | Limit<br>[dBμV/m] | Margin<br>[dB] | Polarity   |
|-----|----------------|---------------------|-------------------|----------------|-------------------|----------------|------------|
| 1   | 2646.1461      | 64.21               | -18.19            | 46.02          | 74.00             | 27.98          | Horizontal |
| 2   | 6461.4615      | 57.38               | -3.03             | 54.35          | 74.00             | 19.65          | Horizontal |
| 3   | 8151.0755      | 57.59               | -0.66             | 56.93          | 74.00             | 17.07          | Horizontal |
| 4   | 10475.2376     | 59.62               | 3.19              | 62.81          | 74.00             | 11.19          | Horizontal |
| 5   | 14042.0210     | 56.79               | 7.05              | 63.84          | 74.00             | 10.16          | Horizontal |
| 6   | 17154.3272     | 53.68               | 12.77             | 66.45          | 74.00             | 7.55           | Horizontal |

| NO. | Freq.<br>[MHz] | Factor<br>[dB] | AV<br>Reading<br>[dBμV/m] | AV Value<br>[dBμV/m] | AV Limit<br>[dBμV/m] | AV<br>Margin<br>[dB] | Polarity   |
|-----|----------------|----------------|---------------------------|----------------------|----------------------|----------------------|------------|
| 1   | 10475.2376     | 47.69          | 3.19                      | 50.88                | 54                   | 3.12                 | Horizontal |

| NO. | Freq.<br>[MHz] | Reading<br>[dBμV/m] | Level<br>[dBμV/m] | Factor<br>[dB] | Limit<br>[dBμV/m] | Margin<br>[dB] | Polarity |
|-----|----------------|---------------------|-------------------|----------------|-------------------|----------------|----------|
| 1   | 4264.7648      | 60.73               | -11.60            | 49.13          | 74.00             | 24.87          | Vertical |
| 2   | 8122.3112      | 56.70               | -0.56             | 56.14          | 74.00             | 17.86          | Vertical |
| 3   | 9848.1741      | 58.26               | 1.23              | 59.49          | 74.00             | 14.51          | Vertical |
| 4   | 11292.1461     | 55.59               | 4.29              | 59.88          | 74.00             | 14.12          | Vertical |
| 5   | 14461.9810     | 55.74               | 7.56              | 63.30          | 74.00             | 10.70          | Vertical |
| 6   | 17096.7984     | 53.57               | 12.99             | 66.56          | 74.00             | 7.44           | Vertical |

| NO. | Freq.<br>[MHz] | Factor<br>[dB] | AV<br>Reading<br>[dBμV/m] | AV Value<br>[dBμV/m] | AV Limit<br>[dBμV/m] | AV<br>Margin<br>[dB] | Polarity |
|-----|----------------|----------------|---------------------------|----------------------|----------------------|----------------------|----------|
| 1   | 11292.1461     | 45.67          | 4.29                      | 49.96                | 54                   | 4.04                 | Vertical |

Mode: Mode 1/ IEEE 802.11n HT40

Temp. /Hum.:25°C/60%RH

Test Engineer: Liu lingfeng

Channel :5190MHz

Power supply:AC120V/60Hz

Test Date: 2022-05-05

| NO. | Freq.<br>[MHz] | Reading<br>[dBμV/m] | Level<br>[dBμV/m] | Factor<br>[dB] | Limit<br>[dBμV/m] | Margin<br>[dB] | Polarity   |
|-----|----------------|---------------------|-------------------|----------------|-------------------|----------------|------------|
| 1   | 3180.1802      | 63.21               | -16.46            | 46.75          | 74.00             | 27.25          | Horizontal |
| 2   | 6483.4835      | 56.57               | -2.94             | 53.63          | 74.00             | 20.37          | Horizontal |
| 3   | 8145.3227      | 57.07               | -0.64             | 56.43          | 74.00             | 17.57          | Horizontal |
| 4   | 10722.6113     | 55.79               | 4.32              | 60.11          | 74.00             | 13.89          | Horizontal |
| 5   | 13909.7049     | 55.18               | 8.65              | 63.83          | 74.00             | 10.17          | Horizontal |
| 6   | 17022.0110     | 54.86               | 11.91             | 66.77          | 74.00             | 7.23           | Horizontal |

| NO. | Freq.<br>[MHz] | Factor<br>[dB] | AV<br>Reading<br>[dBμV/m] | AV Value<br>[dBμV/m] | AV Limit<br>[dBμV/m] | AV<br>Margin<br>[dB] | Polarity   |
|-----|----------------|----------------|---------------------------|----------------------|----------------------|----------------------|------------|
| 1   | 10722.6113     | 45.59          | 4.32                      | 49.91                | 54                   | 4.09                 | Horizontal |

| NO. | Freq.<br>[MHz] | Reading<br>[dBμV/m] | Level<br>[dBμV/m] | Factor<br>[dB] | Limit<br>[dBμV/m] | Margin<br>[dB] | Polarity |
|-----|----------------|---------------------|-------------------|----------------|-------------------|----------------|----------|
| 1   | 3169.1692      | 64.79               | -16.41            | 48.38          | 74.00             | 25.62          | Vertical |
| 2   | 6384.3844      | 57.40               | -3.33             | 54.07          | 74.00             | 19.93          | Vertical |
| 3   | 8214.3572      | 57.28               | -0.86             | 56.42          | 74.00             | 17.58          | Vertical |
| 4   | 10705.3527     | 55.89               | 4.32              | 60.21          | 74.00             | 13.79          | Vertical |
| 5   | 13898.1991     | 54.89               | 8.74              | 63.63          | 74.00             | 10.37          | Vertical |
| 6   | 17177.3387     | 53.69               | 12.66             | 66.35          | 74.00             | 7.65           | Vertical |

| NO. | Freq.<br>[MHz] | Factor<br>[dB] | AV<br>Reading<br>[dBμV/m] | AV Value<br>[dBμV/m] | AV Limit<br>[dBμV/m] | AV<br>Margin<br>[dB] | Polarity |
|-----|----------------|----------------|---------------------------|----------------------|----------------------|----------------------|----------|
| 1   | 10705.3527     | 45.35          | 4.32                      | 49.67                | 54                   | 4.33                 | Vertical |

Mode: Mode 1/ IEEE 802.11n HT40

Temp. /Hum.:25°C/60%RH

Test Engineer: Liu lingfeng

Channel :5230MHz

Power supply:AC120V/60Hz

Test Date: 2022-05-05

| NO. | Freq.<br>[MHz] | Reading<br>[dBμV/m] | Level<br>[dBμV/m] | Factor<br>[dB] | Limit<br>[dBμV/m] | Margin<br>[dB] | Polarity   |
|-----|----------------|---------------------|-------------------|----------------|-------------------|----------------|------------|
| 1   | 3174.6747      | 64.54               | -16.44            | 48.10          | 74.00             | 25.90          | Horizontal |
| 2   | 6345.8458      | 57.32               | -3.47             | 53.85          | 74.00             | 20.15          | Horizontal |
| 3   | 8070.5353      | 57.30               | -0.77             | 56.53          | 74.00             | 17.47          | Horizontal |
| 4   | 10682.3412     | 55.92               | 4.23              | 60.15          | 74.00             | 13.85          | Horizontal |
| 5   | 13903.9520     | 54.38               | 8.72              | 63.10          | 74.00             | 10.90          | Horizontal |
| 6   | 17073.7869     | 53.89               | 12.66             | 66.55          | 74.00             | 7.45           | Horizontal |

| NO. | Freq.<br>[MHz] | Factor<br>[dB] | AV<br>Reading<br>[dBμV/m] | AV Value<br>[dBμV/m] | AV Limit<br>[dBμV/m] | AV<br>Margin<br>[dB] | Polarity   |
|-----|----------------|----------------|---------------------------|----------------------|----------------------|----------------------|------------|
| 1   | 10682.3412     | 45.72          | 4.23                      | 49.95                | 54                   | 4.05                 | Horizontal |

| NO. | Freq.<br>[MHz] | Reading<br>[dBμV/m] | Level<br>[dBμV/m] | Factor<br>[dB] | Limit<br>[dBμV/m] | Margin<br>[dB] | Polarity |
|-----|----------------|---------------------|-------------------|----------------|-------------------|----------------|----------|
| 1   | 2662.6627      | 64.52               | -18.06            | 46.46          | 74.00             | 27.54          | Vertical |
| 2   | 6230.2302      | 58.40               | -4.48             | 53.92          | 74.00             | 20.08          | Vertical |
| 3   | 8105.0525      | 56.92               | -0.51             | 56.41          | 74.00             | 17.59          | Vertical |
| 4   | 10624.8124     | 56.36               | 3.94              | 60.30          | 74.00             | 13.70          | Vertical |
| 5   | 13909.7049     | 56.27               | 8.65              | 64.92          | 74.00             | 9.08           | Vertical |
| 6   | 17079.5398     | 53.48               | 12.74             | 66.22          | 74.00             | 7.78           | Vertical |

| NO. | Freq.<br>[MHz] | Factor<br>[dB] | AV<br>Reading<br>[dBμV/m] | AV Value<br>[dBμV/m] | AV Limit<br>[dBμV/m] | AV<br>Margin<br>[dB] | Polarity |
|-----|----------------|----------------|---------------------------|----------------------|----------------------|----------------------|----------|
| 1   | 10624.8124     | 46.16          | 3.94                      | 50.1                 | 54                   | 3.9                  | Vertical |

Mode: Mode 1/ IEEE 802.11ac VHT80

Temp. /Hum.:25°C/60%RH

Test Engineer: Liu lingfeng

Channel :5210MHz

Power supply:AC120V/60Hz

Test Date: 2022-05-05

| NO. | Freq.<br>[MHz] | Reading<br>[dBμV/m] | Level<br>[dBμV/m] | Factor<br>[dB] | Limit<br>[dBμV/m] | Margin<br>[dB] | Polarity   |
|-----|----------------|---------------------|-------------------|----------------|-------------------|----------------|------------|
| 1   | 1578.0781      | 65.38               | -19.16            | 46.22          | 74.00             | 27.78          | Horizontal |
| 2   | 4556.5566      | 58.16               | -9.07             | 49.09          | 74.00             | 24.91          | Horizontal |
| 3   | 8191.3457      | 57.35               | -0.79             | 56.56          | 74.00             | 17.44          | Horizontal |
| 4   | 10665.0825     | 56.65               | 4.14              | 60.79          | 74.00             | 13.21          | Horizontal |
| 5   | 13869.4347     | 55.15               | 8.35              | 63.50          | 74.00             | 10.50          | Horizontal |
| 6   | 17096.7984     | 54.20               | 12.99             | 67.19          | 74.00             | 6.81           | Horizontal |

| NO. | Freq.<br>[MHz] | Factor<br>[dB] | AV<br>Reading<br>[dBμV/m] | AV Value<br>[dBμV/m] | AV Limit<br>[dBμV/m] | AV<br>Margin<br>[dB] | Polarity   |
|-----|----------------|----------------|---------------------------|----------------------|----------------------|----------------------|------------|
| 1   | 10665.0825     | 45.75          | 4.14                      | 49.89                | 54                   | 4.11                 | Horizontal |

| NO. | Freq.<br>[MHz] | Reading<br>[dBμV/m] | Level<br>[dBμV/m] | Factor<br>[dB] | Limit<br>[dBμV/m] | Margin<br>[dB] | Polarity |
|-----|----------------|---------------------|-------------------|----------------|-------------------|----------------|----------|
| 1   | 4595.0951      | 57.71               | -8.33             | 49.38          | 74.00             | 24.62          | Vertical |
| 2   | 6444.9449      | 58.13               | -3.09             | 55.04          | 74.00             | 18.96          | Vertical |
| 3   | 8053.2766      | 57.44               | -0.93             | 56.51          | 74.00             | 17.49          | Vertical |
| 4   | 10383.1916     | 56.58               | 2.77              | 59.35          | 74.00             | 14.65          | Vertical |
| 5   | 13909.7049     | 55.25               | 8.65              | 63.90          | 74.00             | 10.10          | Vertical |
| 6   | 17154.3272     | 54.37               | 12.77             | 67.14          | 74.00             | 6.86           | Vertical |

| NO. | Freq.<br>[MHz] | Factor<br>[dB] | AV<br>Reading<br>[dBμV/m] | AV Value<br>[dBμV/m] | AV Limit<br>[dBμV/m] | AV<br>Margin<br>[dB] | Polarity |
|-----|----------------|----------------|---------------------------|----------------------|----------------------|----------------------|----------|
| 1   | 10383.1916     | 44.58          | 2.77                      | 47.35                | 54                   | 6.65                 | Vertical |

Mode: Mode 1/ IEEE 802.11ax HE20

Temp. /Hum.:25°C/60%RH

Test Engineer: Liu lingfeng

Channel :5180MHz

Power supply:AC120V/60Hz

Test Date: 2022-05-05

| NO. | Freq.<br>[MHz] | Reading<br>[dBμV/m] | Level<br>[dBμV/m] | Factor<br>[dB] | Limit<br>[dBμV/m] | Margin<br>[dB] | Polarity   |
|-----|----------------|---------------------|-------------------|----------------|-------------------|----------------|------------|
| 1   | 3163.6637      | 59.75               | -16.39            | 43.36          | 74.00             | 30.64          | Horizontal |
| 2   | 4259.2593      | 59.09               | -11.67            | 47.42          | 74.00             | 26.58          | Horizontal |
| 3   | 8076.2881      | 53.68               | -0.71             | 52.97          | 74.00             | 21.03          | Horizontal |
| 4   | 10354.4272     | 61.39               | 2.63              | 64.02          | 74.00             | 9.98           | Horizontal |
| 5   | 13869.4347     | 51.47               | 8.35              | 59.82          | 74.00             | 14.18          | Horizontal |
| 6   | 17045.0225     | 51.53               | 12.25             | 63.78          | 74.00             | 10.22          | Horizontal |

| NO. | Freq.<br>[MHz] | Factor<br>[dB] | AV<br>Reading<br>[dBμV/m] | AV Value<br>[dBμV/m] | AV Limit<br>[dBμV/m] | AV<br>Margin<br>[dB] | Polarity   |
|-----|----------------|----------------|---------------------------|----------------------|----------------------|----------------------|------------|
| 1   | 10354.4272     | 49.45          | 2.63                      | 52.08                | 54                   | 1.92                 | Horizontal |

| NO. | Freq.<br>[MHz] | Reading<br>[dBμV/m] | Level<br>[dBμV/m] | Factor<br>[dB] | Limit<br>[dBμV/m] | Margin<br>[dB] | Polarity |
|-----|----------------|---------------------|-------------------|----------------|-------------------|----------------|----------|
| 1   | 5024.5245      | 62.11               | -9.22             | 52.89          | 74.00             | 21.11          | Vertical |
| 2   | 6400.9009      | 54.8                | -3.26             | 51.54          | 74.00             | 22.46          | Vertical |
| 3   | 8059.0295      | 55.73               | -0.88             | 54.85          | 74.00             | 19.15          | Vertical |
| 4   | 10348.6743     | 61.89               | 2.61              | 64.50          | 74.00             | 9.50           | Vertical |
| 5   | 13903.9520     | 52.35               | 8.72              | 61.07          | 74.00             | 12.93          | Vertical |
| 6   | 17102.5513     | 50.32               | 13.03             | 63.35          | 74.00             | 10.65          | Vertical |

| NO. | Freq.<br>[MHz] | Factor<br>[dB] | AV<br>Reading<br>[dBμV/m] | AV Value<br>[dBμV/m] | AV Limit<br>[dBμV/m] | AV<br>Margin<br>[dB] | Polarity |
|-----|----------------|----------------|---------------------------|----------------------|----------------------|----------------------|----------|
| 1   | 10348.6743     | 49.77          | 2.61                      | 52.38                | 54                   | 1.62                 | Vertical |

Mode: Mode 1/ IEEE 802.11ax HE20

Temp. /Hum.:25°C/60%RH

Test Engineer: Liu lingfeng

Channel :5200MHz

Power supply:AC120V/60Hz

Test Date: 2022-05-05

| NO. | Freq.<br>[MHz] | Reading<br>[dBμV/m] | Level<br>[dBμV/m] | Factor<br>[dB] | Limit<br>[dBμV/m] | Margin<br>[dB] | Polarity   |
|-----|----------------|---------------------|-------------------|----------------|-------------------|----------------|------------|
| 1   | 1594.5946      | 63.16               | -19.12            | 44.04          | 74.00             | 29.96          | Horizontal |
| 2   | 3174.6747      | 61.91               | -16.44            | 45.47          | 74.00             | 28.53          | Horizontal |
| 3   | 6378.8789      | 56.99               | -3.35             | 53.64          | 74.00             | 20.36          | Horizontal |
| 4   | 8105.0525      | 56.46               | -0.51             | 55.95          | 74.00             | 18.05          | Horizontal |
| 5   | 10394.6973     | 65.88               | 2.82              | 68.70          | 74.00             | 5.30           | Horizontal |
| 6   | 13909.7049     | 55.50               | 8.65              | 64.15          | 74.00             | 9.85           | Horizontal |

| NO. | Freq.<br>[MHz] | Factor<br>[dB] | AV<br>Reading<br>[dBμV/m] | AV Value<br>[dBμV/m] | AV Limit<br>[dBμV/m] | AV<br>Margin<br>[dB] | Polarity |
|-----|----------------|----------------|---------------------------|----------------------|----------------------|----------------------|----------|
| 1   | 10348.6743     | 49.77          | 2.61                      | 52.38                | 54                   | 1.62                 | Vertical |

| NO. | Freq.<br>[MHz] | Reading<br>[dBμV/m] | Level<br>[dBμV/m] | Factor<br>[dB] | Limit<br>[dBμV/m] | Margin<br>[dB] | Polarity |
|-----|----------------|---------------------|-------------------|----------------|-------------------|----------------|----------|
| 1   | 1512.0120      | 63.55               | -19.35            | 44.20          | 74.00             | 29.80          | Vertical |
| 2   | 2640.6406      | 63.86               | -18.23            | 45.63          | 74.00             | 28.37          | Vertical |
| 3   | 6395.3954      | 57.33               | -3.28             | 54.05          | 74.00             | 19.95          | Vertical |
| 4   | 8128.0640      | 56.76               | -0.58             | 56.18          | 74.00             | 17.82          | Vertical |
| 5   | 10406.2031     | 64.25               | 2.87              | 67.12          | 74.00             | 6.88           | Vertical |
| 6   | 13915.4577     | 54.84               | 8.59              | 63.43          | 74.00             | 10.57          | Vertical |

| NO. | Freq.<br>[MHz] | Factor<br>[dB] | AV<br>Reading<br>[dBμV/m] | AV Value<br>[dBμV/m] | AV Limit<br>[dBμV/m] | AV<br>Margin<br>[dB] | Polarity |
|-----|----------------|----------------|---------------------------|----------------------|----------------------|----------------------|----------|
| 1   | 10348.6743     | 49.77          | 2.61                      | 52.38                | 54                   | 1.62                 | Vertical |

Mode: Mode 1/ IEEE 802.11ax HE20

Temp. /Hum.:25°C/60%RH

Test Engineer: Liu lingfeng

Channel :5240MHz

Power supply:AC120V/60Hz

Test Date: 2022-05-05

| NO. | Freq.<br>[MHz] | Reading<br>[dBμV/m] | Level<br>[dBμV/m] | Factor<br>[dB] | Limit<br>[dBμV/m] | Margin<br>[dB] | Polarity   |
|-----|----------------|---------------------|-------------------|----------------|-------------------|----------------|------------|
| 1   | 3174.6747      | 63.55               | -16.44            | 47.11          | 74.00             | 26.89          | Horizontal |
| 2   | 5646.6466      | 62.50               | -7.23             | 55.27          | 74.00             | 18.73          | Horizontal |
| 3   | 8007.2536      | 57.67               | -1.37             | 56.30          | 74.00             | 17.70          | Horizontal |
| 4   | 10475.2376     | 59.86               | 3.19              | 63.05          | 74.00             | 10.95          | Horizontal |
| 5   | 13903.9520     | 54.75               | 8.72              | 63.47          | 74.00             | 10.53          | Horizontal |
| 6   | 17091.0455     | 53.06               | 12.91             | 65.97          | 74.00             | 8.03           | Horizontal |

| NO. | Freq.<br>[MHz] | Factor<br>[dB] | AV<br>Reading<br>[dBμV/m] | AV Value<br>[dBμV/m] | AV Limit<br>[dBμV/m] | AV<br>Margin<br>[dB] | Polarity   |
|-----|----------------|----------------|---------------------------|----------------------|----------------------|----------------------|------------|
| 1   | 10475.2376     | 47.56          | 3.19                      | 50.75                | 54                   | 3.25                 | Horizontal |

| NO. | Freq.<br>[MHz] | Reading<br>[dBμV/m] | Level<br>[dBμV/m] | Factor<br>[dB] | Limit<br>[dBμV/m] | Margin<br>[dB] | Polarity |
|-----|----------------|---------------------|-------------------|----------------|-------------------|----------------|----------|
| 1   | 1324.8248      | 62.90               | -19.68            | 43.22          | 74.00             | 30.78          | Vertical |
| 2   | 1594.5946      | 66.42               | -19.12            | 47.30          | 74.00             | 26.70          | Vertical |
| 3   | 2635.1351      | 64.99               | -18.28            | 46.71          | 74.00             | 27.29          | Vertical |
| 4   | 8099.2997      | 57.54               | -0.50             | 57.04          | 74.00             | 16.96          | Vertical |
| 5   | 10480.9905     | 58.27               | 3.22              | 61.49          | 74.00             | 12.51          | Vertical |
| 6   | 13892.4462     | 54.17               | 8.67              | 62.84          | 74.00             | 11.16          | Vertical |

| NO. | Freq.<br>[MHz] | Factor<br>[dB] | AV<br>Reading<br>[dBμV/m] | AV Value<br>[dBμV/m] | AV Limit<br>[dBμV/m] | AV<br>Margin<br>[dB] | Polarity |
|-----|----------------|----------------|---------------------------|----------------------|----------------------|----------------------|----------|
| 1   | 10480.9905     | 47.09          | 3.22                      | 50.31                | 54                   | 3.69                 | Vertical |

Mode: Mode 1/ IEEE 802.11ax HE40

Temp. /Hum.:25°C/60%RH

Test Engineer: Liu lingfeng

Channel :5190MHz

Power supply:AC120V/60Hz

Test Date: 2022-05-05

| NO. | Freq.<br>[MHz] | Reading<br>[dBμV/m] | Level<br>[dBμV/m] | Factor<br>[dB] | Limit<br>[dBμV/m] | Margin<br>[dB] | Polarity   |
|-----|----------------|---------------------|-------------------|----------------|-------------------|----------------|------------|
| 1   | 3174.6747      | 63.16               | -16.44            | 46.72          | 74.00             | 27.28          | Horizontal |
| 2   | 4831.8318      | 60.60               | -9.29             | 51.31          | 74.00             | 22.69          | Horizontal |
| 3   | 6455.9560      | 56.66               | -3.05             | 53.61          | 74.00             | 20.39          | Horizontal |
| 4   | 8093.5468      | 57.06               | -0.55             | 56.51          | 74.00             | 17.49          | Horizontal |
| 5   | 10354.4272     | 62.35               | 2.63              | 64.98          | 74.00             | 9.02           | Horizontal |
| 6   | 13886.6933     | 53.86               | 8.59              | 62.45          | 74.00             | 11.55          | Horizontal |

| NO. | Freq.<br>[MHz] | Factor<br>[dB] | AV<br>Reading<br>[dBμV/m] | AV<br>Value<br>[dBμV/<br>m] | AV Limit<br>[dBμV/m] | AV<br>Margin<br>[dB] | Polarity   |
|-----|----------------|----------------|---------------------------|-----------------------------|----------------------|----------------------|------------|
| 1   | 10354.4272     | 49.21          | 2.63                      | 51.84                       | 54                   | 2.16                 | Horizontal |

| NO. | Freq.<br>[MHz] | Reading<br>[dBμV/m] | Level<br>[dBμV/m] | Factor<br>[dB] | Limit<br>[dBμV/m] | Margin<br>[dB] | Polarity |
|-----|----------------|---------------------|-------------------|----------------|-------------------|----------------|----------|
| 1   | 2646.1461      | 63.87               | -18.19            | 45.68          | 74.00             | 28.32          | Vertical |
| 2   | 6334.8348      | 57.39               | -3.52             | 53.87          | 74.00             | 20.13          | Vertical |
| 3   | 8145.3227      | 58.07               | -0.64             | 57.43          | 74.00             | 16.57          | Vertical |
| 4   | 10365.9330     | 62.23               | 2.69              | 64.92          | 74.00             | 9.08           | Vertical |
| 5   | 13909.7049     | 54.72               | 8.65              | 63.37          | 74.00             | 10.63          | Vertical |
| 6   | 17085.2926     | 53.89               | 12.83             | 66.72          | 74.00             | 7.28           | Vertical |

| NO. | Freq.<br>[MHz] | Factor<br>[dB] | AV<br>Reading<br>[dBμV/m] | AV<br>Value<br>[dBμV/<br>m] | AV Limit<br>[dBμV/m] | AV<br>Margin<br>[dB] | Polarity |
|-----|----------------|----------------|---------------------------|-----------------------------|----------------------|----------------------|----------|
| 1   | 10365.9330     | 49.18          | 2.69                      | 51.87                       | 54                   | 2.13                 | Vertical |

Mode: Mode 1/ IEEE 802.11ax HE40

Temp. /Hum.:25°C/60%RH

Test Engineer: Liu lingfeng

Channel :5230MHz

Power supply:AC120V/60Hz

Test Date: 2022-05-05

| NO. | Freq.<br>[MHz] | Reading<br>[dBμV/m] | Level<br>[dBμV/m] | Factor<br>[dB] | Limit<br>[dBμV/m] | Margin<br>[dB] | Polarity   |
|-----|----------------|---------------------|-------------------|----------------|-------------------|----------------|------------|
| 1   | 3191.1912      | 65.37               | -16.51            | 48.86          | 74.00             | 25.14          | Horizontal |
| 2   | 4540.0400      | 58.78               | -9.39             | 49.39          | 74.00             | 24.61          | Horizontal |
| 3   | 6395.3954      | 57.52               | -3.28             | 54.24          | 74.00             | 19.76          | Horizontal |
| 4   | 8743.6218      | 57.81               | -1.43             | 56.38          | 74.00             | 17.62          | Horizontal |
| 5   | 10480.9905     | 57.90               | 3.22              | 61.12          | 74.00             | 12.88          | Horizontal |
| 6   | 17085.2926     | 53.45               | 12.83             | 66.28          | 74.00             | 7.72           | Horizontal |

| NO. | Freq.<br>[MHz] | Factor<br>[dB] | AV<br>Reading<br>[dBμV/m] | AV<br>Value<br>[dBμV/<br>m] | AV Limit<br>[dBμV/m] | AV<br>Margin<br>[dB] | Polarity   |
|-----|----------------|----------------|---------------------------|-----------------------------|----------------------|----------------------|------------|
| 1   | 10480.9905     | 46.32          | 3.22                      | 49.54                       | 54                   | 4.46                 | Horizontal |

| NO. | Freq.<br>[MHz] | Reading<br>[dBμV/m] | Level<br>[dBμV/m] | Factor<br>[dB] | Limit<br>[dBμV/m] | Margin<br>[dB] | Polarity |
|-----|----------------|---------------------|-------------------|----------------|-------------------|----------------|----------|
| 1   | 2458.9590      | 64.72               | -19.10            | 45.62          | 74.00             | 28.38          | Vertical |
| 2   | 5008.0080      | 62.57               | -9.36             | 53.21          | 74.00             | 20.79          | Vertical |
| 3   | 6450.4505      | 57.16               | -3.07             | 54.09          | 74.00             | 19.91          | Vertical |
| 4   | 8076.2881      | 57.17               | -0.71             | 56.46          | 74.00             | 17.54          | Vertical |
| 5   | 10486.7434     | 57.75               | 3.25              | 61.00          | 74.00             | 13.00          | Vertical |
| 6   | 13915.4577     | 55.06               | 8.59              | 63.65          | 74.00             | 10.35          | Vertical |

| NO. | Freq.<br>[MHz] | Factor<br>[dB] | AV<br>Reading<br>[dBμV/m] | AV<br>Value<br>[dBμV/<br>m] | AV Limit<br>[dBμV/m] | AV<br>Margin<br>[dB] | Polarity |
|-----|----------------|----------------|---------------------------|-----------------------------|----------------------|----------------------|----------|
| 1   | 10486.7434     | 47.45          | 3.25                      | 50.7                        | 54                   | 3.3                  | Vertical |

Mode: Mode 1/ IEEE 802.11ax HE80

Temp. /Hum.:25°C/60%RH

Test Engineer: Liu lingfeng

Channel :5210MHz

Power supply:AC120V/60Hz

Test Date: 2022-05-05

| NO. | Freq. [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Polarity   |
|-----|-------------|------------------|----------------|-------------|----------------|-------------|------------|
| 1   | 2657.1572   | 62.10            | -18.10         | 44.00       | 74.00          | 30.00       | Horizontal |
| 2   | 4573.0731   | 58.90            | -8.76          | 50.14       | 74.00          | 23.86       | Horizontal |
| 3   | 8133.8169   | 56.64            | -0.60          | 56.04       | 74.00          | 17.96       | Horizontal |
| 4   | 10354.4272  | 61.00            | 2.63           | 63.63       | 74.00          | 10.37       | Horizontal |
| 5   | 13834.9175  | 55.44            | 7.87           | 63.31       | 74.00          | 10.69       | Horizontal |
| 6   | 17119.8099  | 53.19            | 12.94          | 66.13       | 74.00          | 7.87        | Horizontal |

| NO. | Freq. [MHz] | Factor [dB] | AV Reading [dBμV/m] | AV Value [dBμV/m] | AV Limit [dBμV/m] | AV Margin [dB] | Polarity   |
|-----|-------------|-------------|---------------------|-------------------|-------------------|----------------|------------|
| 1   | 10354.4272  | 48.89       | 2.63                | 51.52             | 54                | 2.48           | Horizontal |

| NO. | Freq. [MHz] | Reading [dBμV/m] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Polarity |
|-----|-------------|------------------|----------------|-------------|----------------|-------------|----------|
| 1   | 3180.1802   | 61.50            | -16.46         | 45.04       | 74.00          | 28.96       | Vertical |
| 2   | 4842.8428   | 62.27            | -9.35          | 52.92       | 74.00          | 21.08       | Vertical |
| 3   | 8168.3342   | 57.10            | -0.71          | 56.39       | 74.00          | 17.61       | Vertical |
| 4   | 10365.9330  | 62.29            | 2.69           | 64.98       | 74.00          | 9.02        | Vertical |
| 5   | 13915.4577  | 55.36            | 8.59           | 63.95       | 74.00          | 10.05       | Vertical |
| 6   | 17626.0630  | 54.38            | 13.39          | 67.77       | 74.00          | 6.23        | Vertical |

| NO. | Freq. [MHz] | Factor [dB] | AV Reading [dBμV/m] | AV Value [dBμV/m] | AV Limit [dBμV/m] | AV Margin [dB] | Polarity |
|-----|-------------|-------------|---------------------|-------------------|-------------------|----------------|----------|
| 1   | 10365.9330  | 49.15       | 2.69                | 51.84             | 54                | 2.16           | Vertical |

**Above 18 GHz**

Pre-scan all modes and recorded the worst case results in this report (IEEE 802.11a ant2)

Mode: Mode 1/ IEEE802.11a ant2

Channel :5180MHz

Temp. /Hum.:25°C/60%RH

Power supply:AC120V/60Hz

Test Engineer: Liu lingfeng

Test Date: 2022-05-07

| Suspected Data List |                |                     |                |                   |                   |                |            |
|---------------------|----------------|---------------------|----------------|-------------------|-------------------|----------------|------------|
| NO.                 | Freq.<br>[MHz] | Reading<br>[dBμV/m] | Factor<br>[dB] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Polarity   |
| 1                   | 19038.0380     | 48.4                | -6.66          | 41.74             | 83.54             | 41.8           | Horizontal |
| 2                   | 21701.2012     | 49.78               | -6.97          | 42.81             | 83.54             | 40.73          | Horizontal |
| 3                   | 23037.0370     | 46.84               | -5.25          | 41.59             | 83.54             | 41.95          | Horizontal |
| 4                   | 25623.6236     | 47.59               | -4.79          | 42.80             | 83.54             | 40.74          | Horizontal |
| 5                   | 33797.2973     | 50.28               | -8.20          | 42.08             | 83.54             | 41.46          | Horizontal |
| 6                   | 36108.1081     | 50.12               | -5.43          | 44.69             | 83.54             | 38.85          | Horizontal |

| Suspected Data List |                |                     |                |                   |                   |                |          |
|---------------------|----------------|---------------------|----------------|-------------------|-------------------|----------------|----------|
| NO.                 | Freq.<br>[MHz] | Reading<br>[dBμV/m] | Factor<br>[dB] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Polarity |
| 1                   | 21879.8799     | 49.71               | -7.04          | 42.67             | 83.54             | 40.87          | Vertical |
| 2                   | 24857.8579     | 47.49               | -4.93          | 42.56             | 83.54             | 40.98          | Vertical |
| 3                   | 25495.9960     | 47.05               | -4.79          | 42.26             | 83.54             | 41.28          | Vertical |
| 4                   | 32108.1081     | 50.97               | -7.95          | 43.02             | 83.54             | 40.52          | Vertical |
| 5                   | 35837.8378     | 49.36               | -5.43          | 43.93             | 83.54             | 39.61          | Vertical |
| 6                   | 38162.1622     | 50.74               | -8.26          | 42.48             | 83.54             | 41.06          | Vertical |

Mode: Mode 1/ IEEE 802.11a ant2

Temp. /Hum.:25°C/60%RH

Test Engineer: Liu lingfeng

Channel :5200MHz

Power supply:AC120V/60Hz

Test Date: 2022-05-07

| Suspected Data List |                |                     |                |                   |                   |                |            |
|---------------------|----------------|---------------------|----------------|-------------------|-------------------|----------------|------------|
| NO.                 | Freq.<br>[MHz] | Reading<br>[dBμV/m] | Factor<br>[dB] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Polarity   |
| 1                   | 20952.4525     | 48.55               | -6.73          | 41.82             | 83.54             | 41.72          | Horizontal |
| 2                   | 22033.0330     | 50.16               | -7.02          | 43.14             | 83.54             | 40.4           | Horizontal |
| 3                   | 23692.1922     | 48.64               | -5.67          | 42.97             | 83.54             | 40.57          | Horizontal |
| 4                   | 32418.9189     | 50.67               | -8.14          | 42.53             | 83.54             | 41.01          | Horizontal |
| 5                   | 37040.5405     | 49.16               | -6.82          | 42.34             | 83.54             | 41.2           | Horizontal |
| 6                   | 39824.3243     | 50.56               | -6.14          | 44.42             | 83.54             | 39.12          | Horizontal |

| Suspected Data List |                |                     |                |                   |                   |                |          |
|---------------------|----------------|---------------------|----------------|-------------------|-------------------|----------------|----------|
| NO.                 | Freq.<br>[MHz] | Reading<br>[dBμV/m] | Factor<br>[dB] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Polarity |
| 1                   | 22279.7798     | 49.3                | -6.56          | 42.74             | 83.54             | 40.8           | Vertical |
| 2                   | 24849.3493     | 48.16               | -4.94          | 43.22             | 83.54             | 40.32          | Vertical |
| 3                   | 32229.7297     | 51.88               | -8.02          | 43.86             | 83.54             | 39.68          | Vertical |
| 4                   | 33418.9189     | 51.37               | -8.35          | 43.02             | 83.54             | 40.52          | Vertical |
| 5                   | 36121.6216     | 48.81               | -5.45          | 43.36             | 83.54             | 40.18          | Vertical |
| 6                   | 37783.7838     | 51.55               | -8.22          | 43.33             | 83.54             | 40.21          | Vertical |

Mode: Mode 1/ IEEE 802.11a ant2

Temp. /Hum.:25°C/60%RH

Test Engineer: Liu lingfeng

Channel :5240MHz

Power supply:AC120V/60Hz

Test Date: 2022-05-07

| Suspected Data List |                |                     |                |                   |                   |                |            |
|---------------------|----------------|---------------------|----------------|-------------------|-------------------|----------------|------------|
| NO.                 | Freq.<br>[MHz] | Reading<br>[dBμV/m] | Factor<br>[dB] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Polarity   |
| 1                   | 22458.4585     | 48.99               | -6.23          | 42.76             | 83.54             | 40.78          | Horizontal |
| 2                   | 25606.6066     | 48.15               | -4.79          | 43.36             | 83.54             | 40.18          | Horizontal |
| 3                   | 32567.5676     | 50.54               | -8.24          | 42.30             | 83.54             | 41.24          | Horizontal |
| 4                   | 35540.5405     | 47.85               | -5.72          | 42.13             | 83.54             | 41.41          | Horizontal |
| 5                   | 37081.0811     | 49.55               | -6.89          | 42.66             | 83.54             | 40.88          | Horizontal |
| 6                   | 39162.1622     | 51.52               | -6.32          | 45.20             | 83.54             | 38.34          | Horizontal |

| Suspected Data List |                |                     |                |                   |                   |                |          |
|---------------------|----------------|---------------------|----------------|-------------------|-------------------|----------------|----------|
| NO.                 | Freq.<br>[MHz] | Reading<br>[dBμV/m] | Factor<br>[dB] | Level<br>[dBμV/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Polarity |
| 1                   | 22322.3223     | 49.52               | -6.48          | 43.04             | 83.54             | 40.5           | Vertical |
| 2                   | 24942.9429     | 47.97               | -4.84          | 43.13             | 83.54             | 40.41          | Vertical |
| 3                   | 32635.1351     | 50.31               | -8.28          | 42.03             | 83.54             | 41.51          | Vertical |
| 4                   | 35743.2432     | 49.14               | -5.52          | 43.62             | 83.54             | 39.92          | Vertical |
| 5                   | 37256.7568     | 50.19               | -7.23          | 42.96             | 83.54             | 40.58          | Vertical |
| 6                   | 39175.6757     | 50.82               | -6.32          | 44.50             | 83.54             | 39.04          | Vertical |

----- The following blanks -----

## 7. RESTRICTED BANDS OF OPERATION

### 7.1. LIMITS

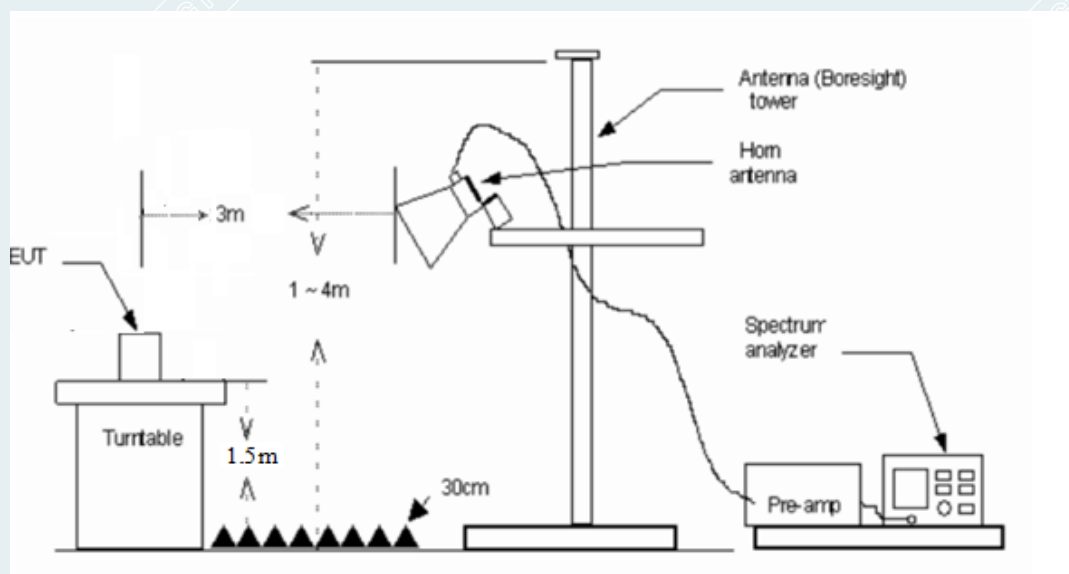
Section 15.407(b)(7) The provisions of §15.205 apply to intentional radiators operating under this section. 15.205(a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

| MHz                        | MHz                   | MHz             | GHz              |
|----------------------------|-----------------------|-----------------|------------------|
| 0.090 - 0.110              | 16.42 - 16.423        | 399.9 - 410     | 4.5 - 5.15       |
| <sup>1</sup> 0.495 - 0.505 | 16.69475 - 16.69525   | 608 - 614       | 5.35 - 5.46      |
| 2.1735 - 2.1905            | 16.80425 - 16.80475   | 960 - 1240      | 7.25 - 7.75      |
| 4.125 - 4.128              | 25.5 - 25.67          | 1300 - 1427     | 8.025 - 8.5      |
| 4.17725 - 4.17775          | 37.5 - 38.25          | 1435 - 1626.5   | 9.0 - 9.2        |
| 4.20725 - 4.20775          | 73 - 74.6             | 1645.5 - 1646.5 | 9.3 - 9.5        |
| 6.215 - 6.218              | 74.8 - 75.2           | 1660 - 1710     | 10.6 - 12.7      |
| 6.26775 - 6.26825          | 108 - 121.94          | 1718.8 - 1722.2 | 13.25 - 13.4     |
| 6.31175 - 6.31225          | 123 - 138             | 2200 - 2300     | 14.47 - 14.5     |
| 8.291 - 8.294              | 149.9 - 150.05        | 2310 - 2390     | 15.35 - 16.2     |
| 8.362 - 8.366              | 156.52475 - 156.52525 | 2483.5 - 2500   | 17.7 - 21.4      |
| 8.37625 - 8.38675          | 156.7 - 156.9         | 2655 - 2900     | 22.01 - 23.12    |
| 8.41425 - 8.41475          | 162.0125 - 167.17     | 3260 - 3267     | 23.6 - 24.0      |
| 12.29 - 12.293             | 167.72 - 173.2        | 3332 - 3339     | 31.2 - 31.8      |
| 12.51975 - 12.52025        | 240 - 285             | 3345.8 - 3358   | 36.43 - 36.5     |
| 12.57675 - 12.57725        | 322 - 335.4           | 3600 - 4400     | ( <sup>2</sup> ) |

### 7.2. TEST PROCEDURES

- 1) The EUT is placed on a turntable, which is 1.5m above the ground plane.
- 2) The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
- 3) EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
- 4) Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:
  - a) PEAK Measurement: RBW=1MHz / VBW=3MHz / Sweep=AUTO
  - b) AVERAGE Measurement: RBW=1MHz, Sweep=AUTO, There are two cases of VBW.  
If the EUT is configured to transmit with duty cycle  $\geq 98\%$ , set VBW=10Hz. If the EUT duty cycle is  $< 98\%$ , set VBW  $\geq 1/T$ , Where T is defined in section 2.7.
- 5) Repeat the procedures until all the PEAK and AVERAGE versus polarization are measured.

### 7.3. TEST SETUP



----- The following blanks -----

#### 7.4. TEST RESULTS

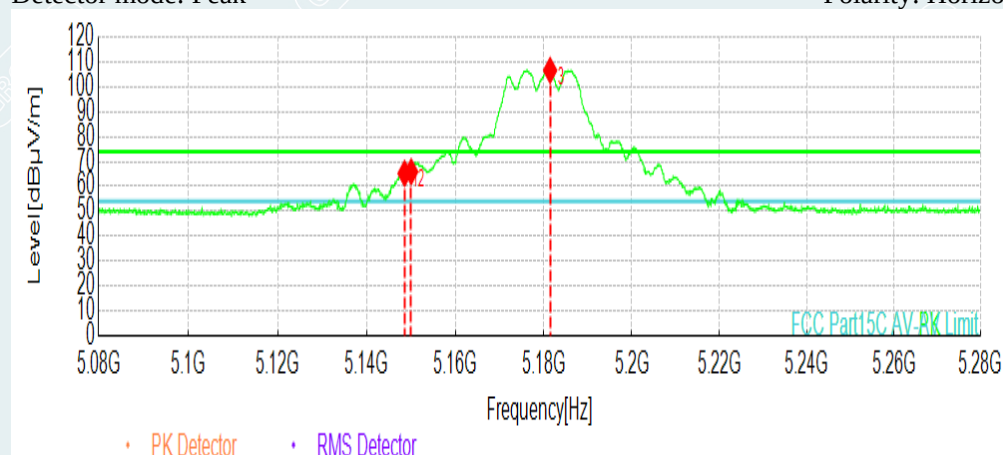
|                             |                                   |
|-----------------------------|-----------------------------------|
| Temp: 25°C; Humi:60%        | Power supply: AC120V/60Hz         |
| Test Engineer: Liu lingfeng | Test Date: 2022-4-26 to 2022-4-27 |

Pre-scan all modes and recorded the worst case results in this report ( IEEE 802.11a / 802.11n HT20 / 802.11n HT40 / 802.11ac VHT80 / 802.11ax HE20 / 802.11ax HE40 / 802.11ax HE80).

##### 802.11a mode/5180MHz

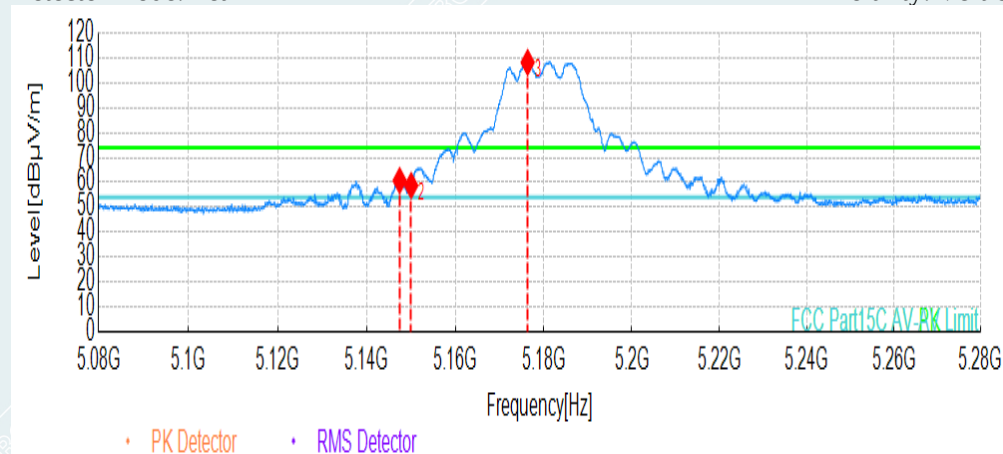
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical

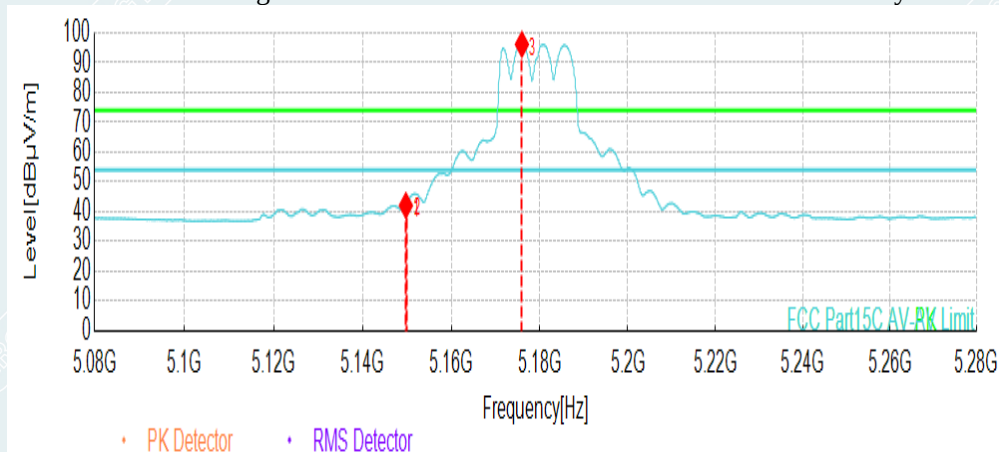


| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Polarity   |
|-----|-------------|----------------|-------------|----------------|-------------|------------|
| 1   | 5148.5343   | 65.24          | 14.13       | 74.00          | 8.76        | Horizontal |
| 2   | 5150.0350   | 65.91          | 14.14       | 74.00          | 8.09        | Horizontal |
| 3   | 5181.4507   | 106.64         | 14.37       | -              | -           | Horizontal |
| 1   | 5147.4337   | 60.71          | 14.12       | 74.00          | 13.29       | Vertical   |
| 2   | 5150.0350   | 58.75          | 14.14       | 74.00          | 15.25       | Vertical   |
| 3   | 5176.3482   | 108.22         | 14.33       | -              | -           | Vertical   |

**802.11a mode/5180MHz Ant2**

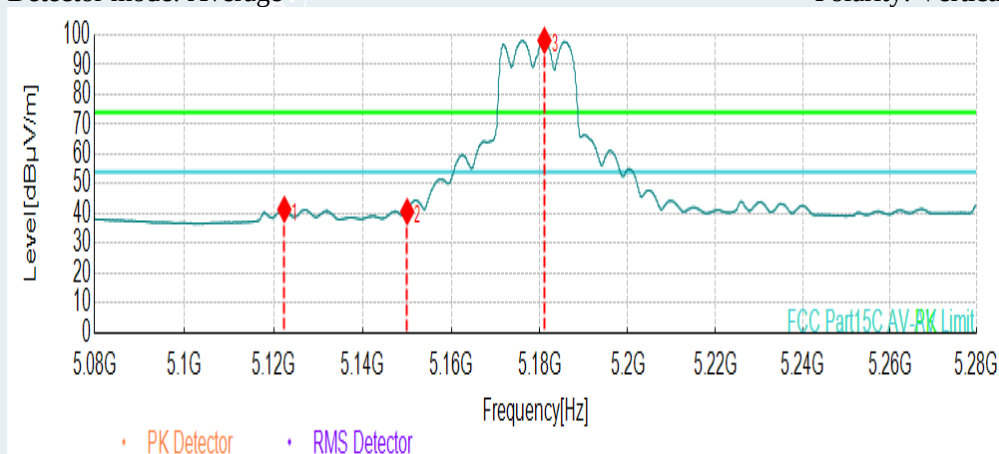
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical

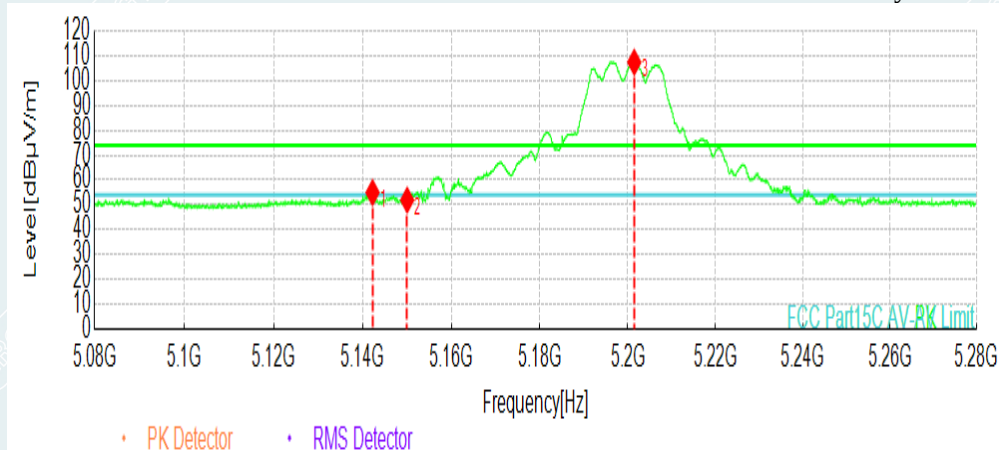


| NO. | Freq.<br>[MHz] | Level<br>[dBμV/m] | Factor<br>[dB] | Limit<br>[dBμV/m] | Margin<br>[dB] | Polarity   |
|-----|----------------|-------------------|----------------|-------------------|----------------|------------|
| 1   | 5149.7349      | 42.12             | 14.14          | 54.00             | 11.88          | Horizontal |
| 2   | 5150.0350      | 43.05             | 14.14          | 54.00             | 10.95          | Horizontal |
| 3   | 5175.9480      | 96.21             | 14.33          | -                 | -              | Horizontal |
| 1   | 5122.4212      | 41.47             | 13.94          | 54.00             | 12.53          | Vertical   |
| 2   | 5150.0350      | 40.74             | 14.14          | 54.00             | 13.26          | Vertical   |
| 3   | 5181.0505      | 98.19             | 14.36          | -                 | -              | Vertical   |

**802.11a mode/5200MHz**

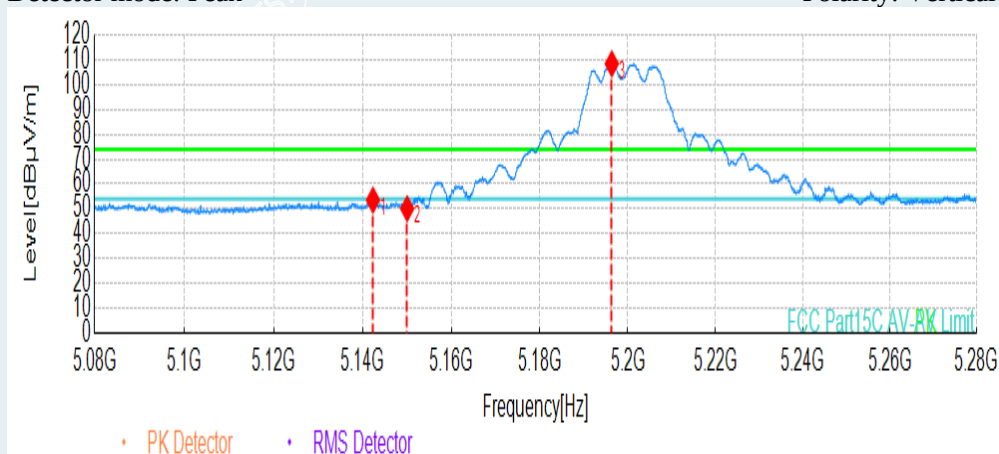
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical

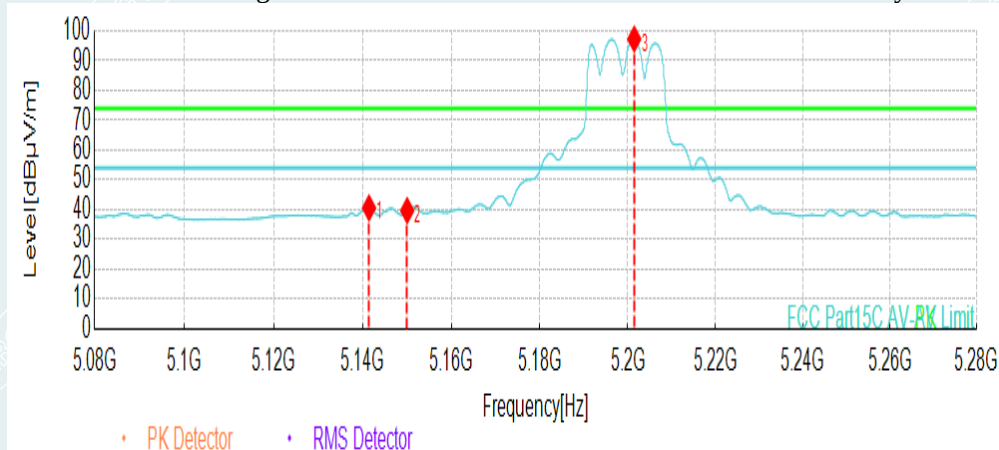


| NO. | Freq.<br>[MHz] | Level<br>[dBμV/m] | Factor<br>[dB] | Limit<br>[dBμV/m] | Margin<br>[dB] | Polarity   |
|-----|----------------|-------------------|----------------|-------------------|----------------|------------|
| 1   | 5142.2311      | 54.96             | 14.08          | 74.00             | 19.04          | Horizontal |
| 2   | 5150.0350      | 51.92             | 14.14          | 74.00             | 22.08          | Horizontal |
| 3   | 5201.4607      | 107.44            | 14.51          | -                 | -              | Horizontal |
| 1   | 5142.3312      | 53.50             | 14.08          | 74.00             | 20.50          | Vertical   |
| 2   | 5150.0350      | 50.09             | 14.14          | 74.00             | 23.91          | Vertical   |
| 3   | 5196.3582      | 108.44            | 14.47          | -                 | -              | Vertical   |

**802.11a mode/5200MHz**

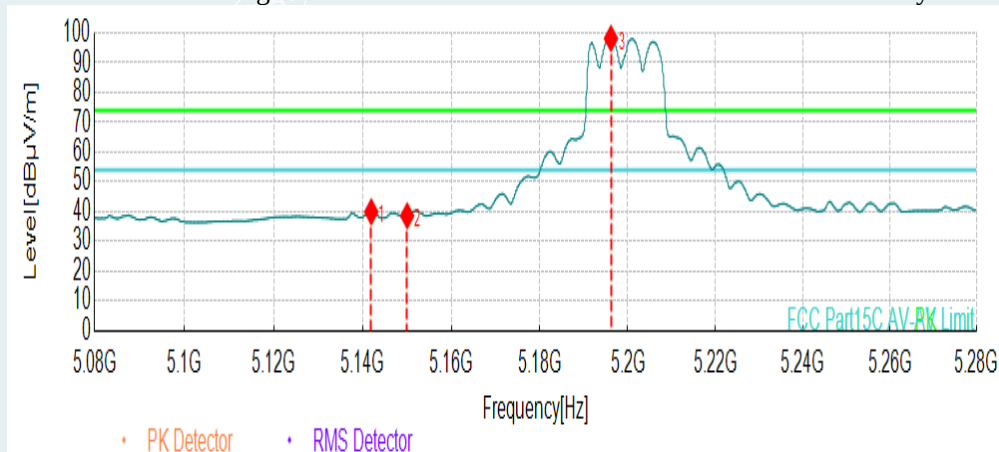
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical

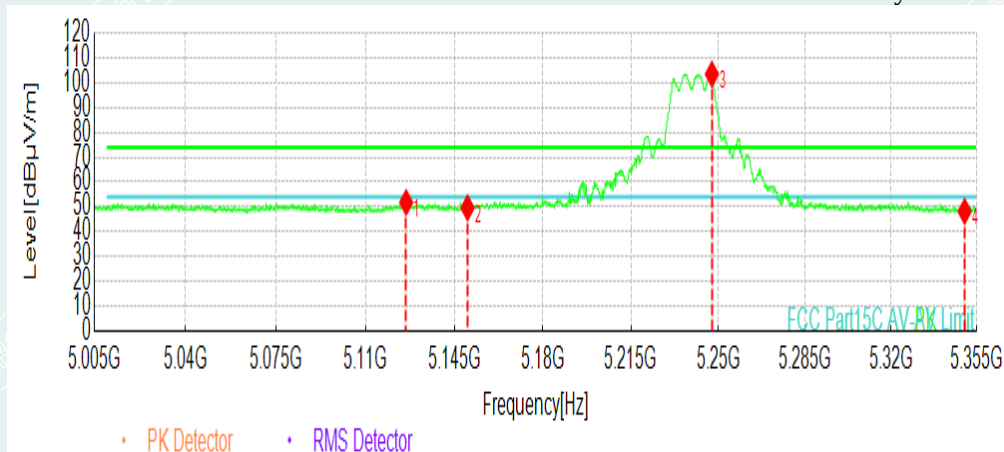


| NO. | Freq.<br>[MHz] | Level<br>[dBμV/m] | Factor<br>[dB] | Limit<br>[dBμV/m] | Margin<br>[dB] | Polarity   |
|-----|----------------|-------------------|----------------|-------------------|----------------|------------|
| 1   | 5141.4307      | 40.65             | 14.08          | 54.00             | 13.35          | Horizontal |
| 2   | 5150.0350      | 39.75             | 14.14          | 54.00             | 14.25          | Horizontal |
| 3   | 5201.4607      | 97.32             | 14.51          | -                 | -              | Horizontal |
| 1   | 5141.9310      | 40.00             | 14.08          | 54.00             | 14.00          | Vertical   |
| 2   | 5150.0350      | 38.66             | 14.14          | 54.00             | 15.34          | Vertical   |
| 3   | 5196.1581      | 98.21             | 14.47          | -                 | -              | Vertical   |

**802.11a mode/5240MHz**

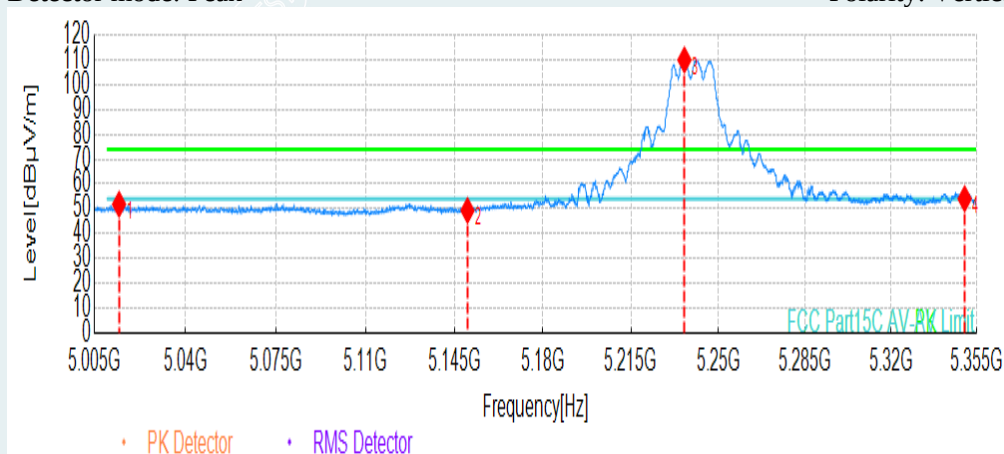
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical

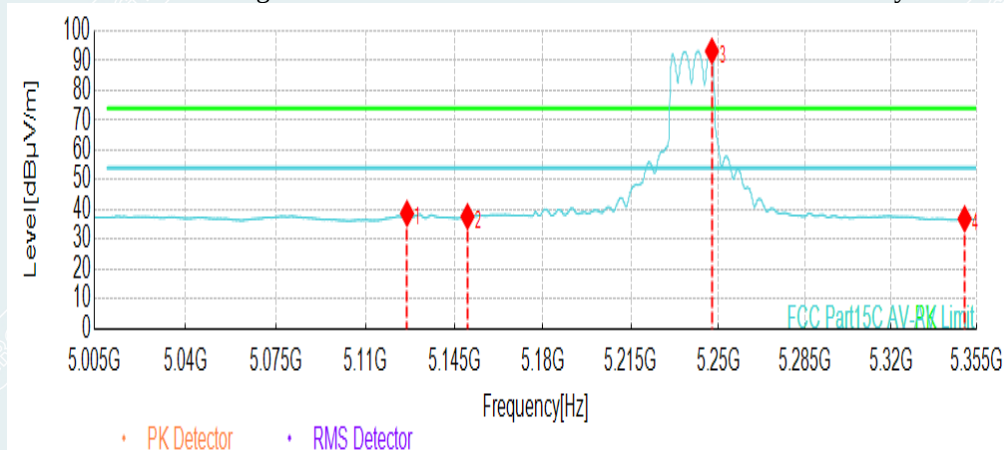


| NO. | Freq.<br>[MHz] | Level<br>[dBμV/m] | Factor<br>[dB] | Limit<br>[dBμV/m] | Margin<br>[dB] | Polarity   |
|-----|----------------|-------------------|----------------|-------------------|----------------|------------|
| 1   | 5125.9855      | 51.77             | 13.97          | 74.00             | 22.23          | Horizontal |
| 2   | 5150.1476      | 49.59             | 14.14          | 74.00             | 24.41          | Horizontal |
| 3   | 5247.4962      | 103.47            | 14.78          | -                 | -              | Horizontal |
| 4   | 5350.0975      | 48.17             | 15.15          | 74.00             | 25.83          | Horizontal |
| 1   | 5014.4547      | 51.85             | 13.91          | 74.00             | 22.15          | Vertical   |
| 2   | 5150.1476      | 49.34             | 14.14          | 74.00             | 24.66          | Vertical   |
| 3   | 5236.4657      | 109.99            | 14.71          | -                 | -              | Vertical   |
| 4   | 5350.0975      | 54.06             | 15.15          | 74.00             | 19.94          | Vertical   |

**802.11a mode/5240MHz**

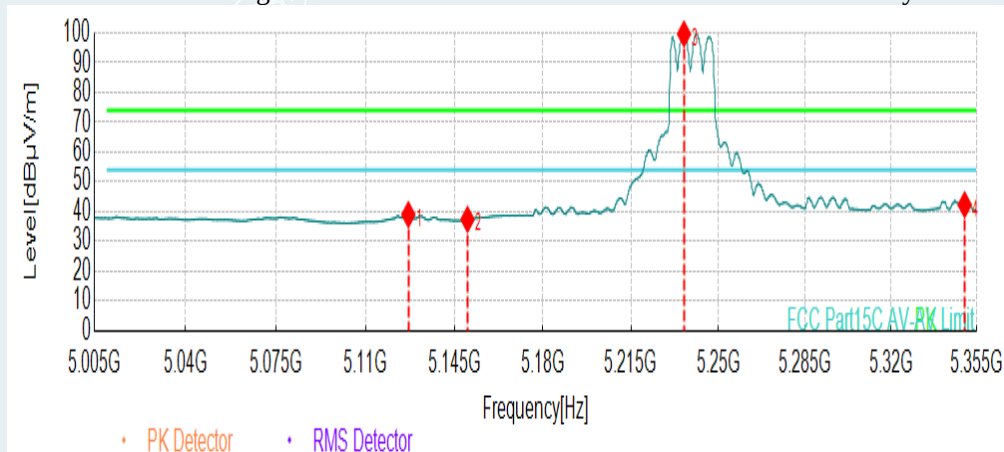
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical

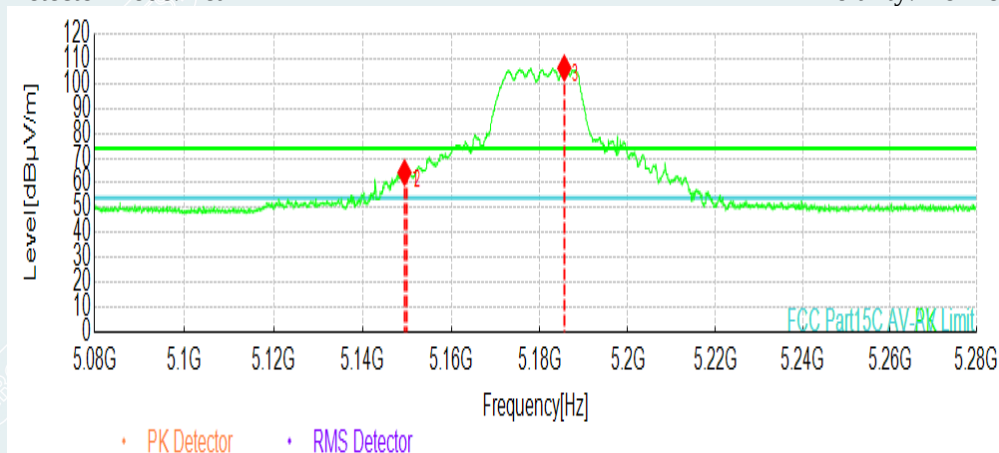


| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Polarity   |
|-----|-------------|----------------|-------------|----------------|-------------|------------|
| 1   | 5126.3357   | 38.78          | 13.97       | 54.00          | 15.22       | Horizontal |
| 2   | 5150.1476   | 37.72          | 14.14       | 54.00          | 16.28       | Horizontal |
| 3   | 5247.4962   | 93.28          | 14.78       | -              | -           | Horizontal |
| 4   | 5350.0975   | 36.97          | 15.15       | 54.00          | 17.03       | Horizontal |
| 1   | 5126.8609   | 39.06          | 13.97       | 54.00          | 14.94       | Vertical   |
| 2   | 5150.1476   | 37.46          | 14.14       | 54.00          | 16.54       | Vertical   |
| 3   | 5236.2906   | 99.70          | 14.71       | -              | -           | Vertical   |
| 4   | 5350.0975   | 42.38          | 15.15       | 54.00          | 11.62       | Vertical   |

**802.11n HT20 mode/5180MHz MIMO**

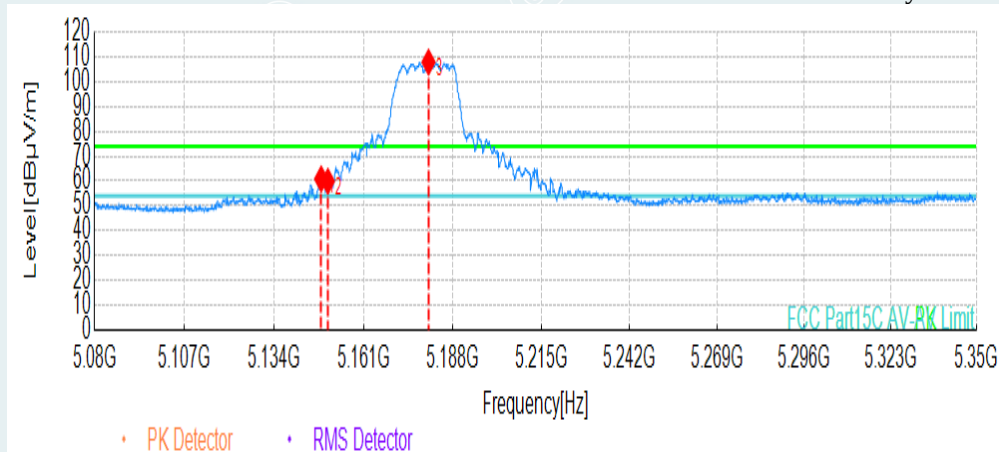
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical

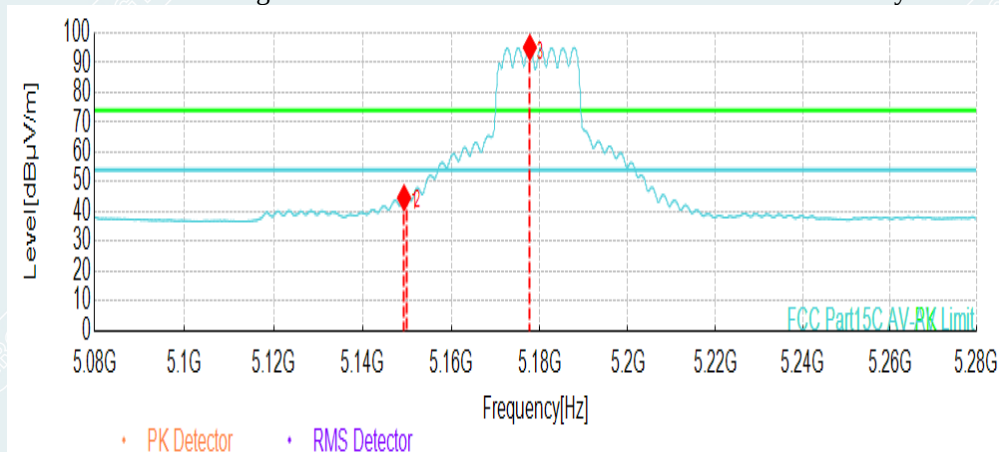


| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Polarity   |
|-----|-------------|----------------|-------------|----------------|-------------|------------|
| 1   | 5149.4347   | 64.21          | 14.14       | 74.00          | 9.79        | Horizontal |
| 2   | 5150.0350   | 63.89          | 14.14       | 74.00          | 10.11       | Horizontal |
| 3   | 5185.5528   | 106.31         | 14.40       | -              | -           | Horizontal |
| 1   | 5148.0740   | 60.85          | 14.13       | 74.00          | 13.15       | Vertical   |
| 2   | 5150.1001   | 59.87          | 14.14       | 74.00          | 14.13       | Vertical   |
| 3   | 5180.6253   | 107.91         | 14.36       | -              | -           | Vertical   |

**802.11n HT20 mode/5180MHz MIMO**

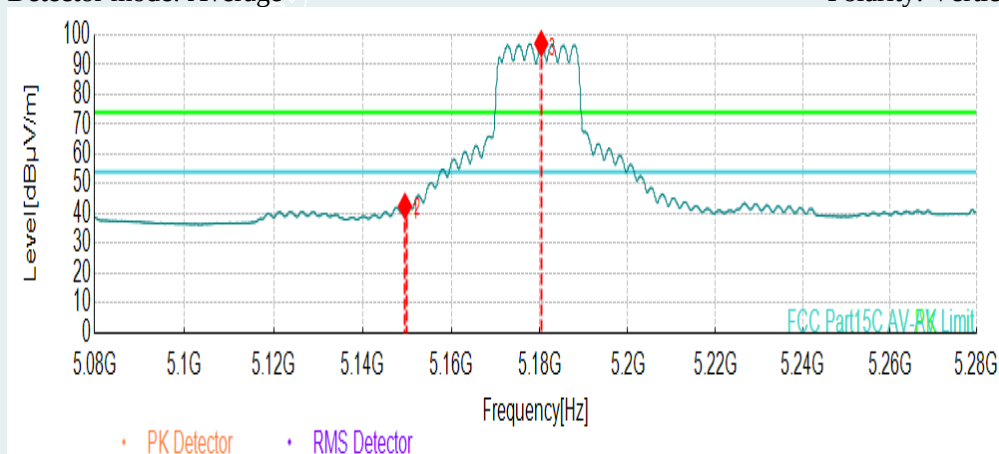
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical

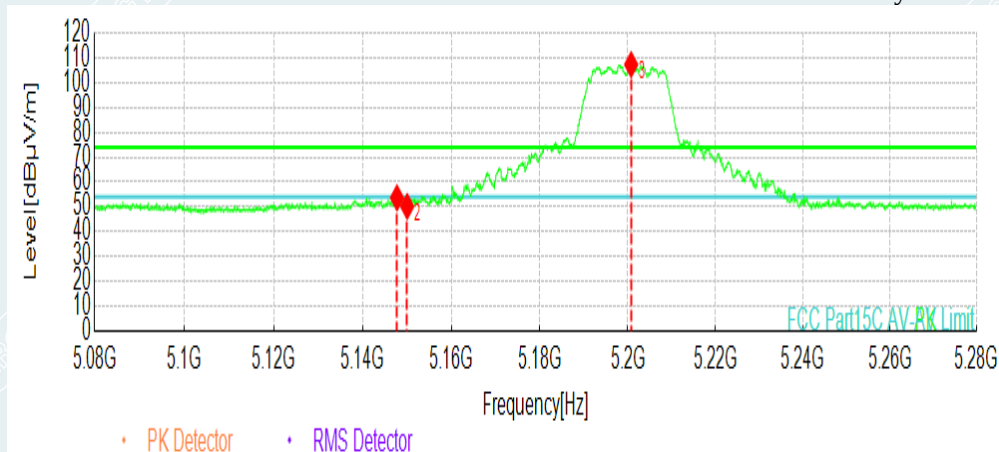


| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Polarity   |
|-----|-------------|----------------|-------------|----------------|-------------|------------|
| 1   | 5149.3347   | 44.68          | 14.14       | 54.00          | 9.32        | Horizontal |
| 2   | 5150.0350   | 45.66          | 14.14       | 54.00          | 8.34        | Horizontal |
| 3   | 5177.7489   | 95.18          | 14.34       | -              | -           | Horizontal |
| 1   | 5149.5348   | 42.51          | 14.14       | 54.00          | 11.49       | Vertical   |
| 2   | 5150.0350   | 43.69          | 14.14       | 54.00          | 10.31       | Vertical   |
| 3   | 5180.3502   | 97.12          | 14.36       | -              | -           | Vertical   |

**802.11n HT20 mode/5200MHz MIMO**

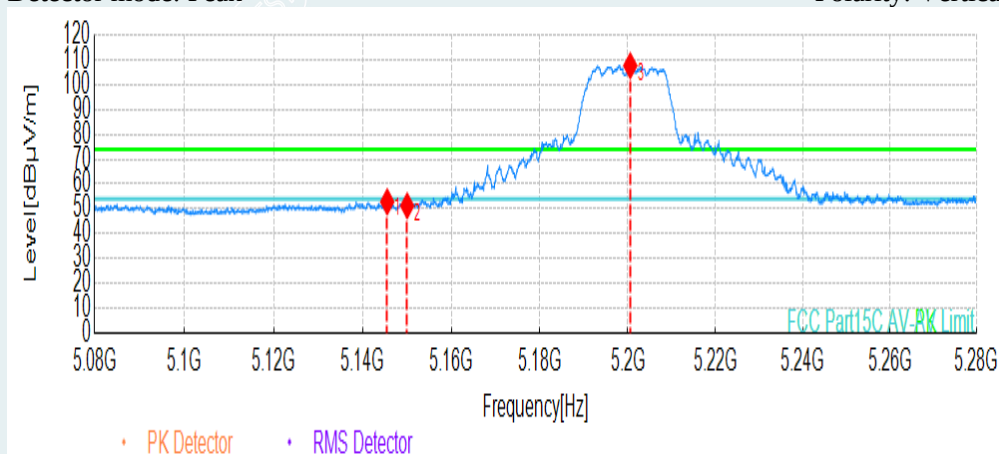
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical

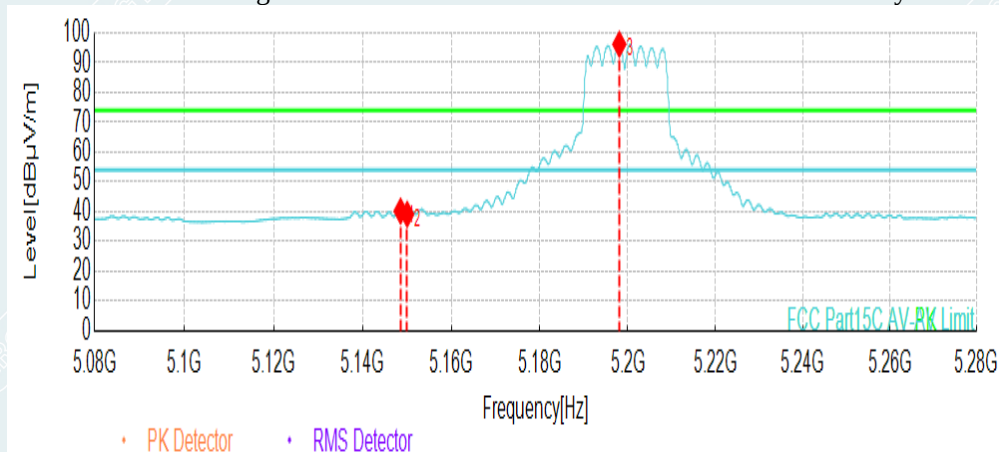


| NO. | Freq.<br>[MHz] | Level<br>[dBμV/m] | Factor<br>[dB] | Limit<br>[dBμV/m] | Margin<br>[dB] | Polarity   |
|-----|----------------|-------------------|----------------|-------------------|----------------|------------|
| 1   | 5147.7339      | 53.65             | 14.12          | 74.00             | 20.35          | Horizontal |
| 2   | 5150.0350      | 50.17             | 14.14          | 74.00             | 23.83          | Horizontal |
| 3   | 5200.7604      | 107.30            | 14.50          | -                 | -              | Horizontal |
| 1   | 5145.5328      | 52.82             | 14.11          | 74.00             | 21.18          | Vertical   |
| 2   | 5150.0350      | 51.23             | 14.14          | 74.00             | 22.77          | Vertical   |
| 3   | 5200.5603      | 107.67            | 14.50          | -                 | -              | Vertical   |

**802.11n HT20 mode/5200MHz MIMO**

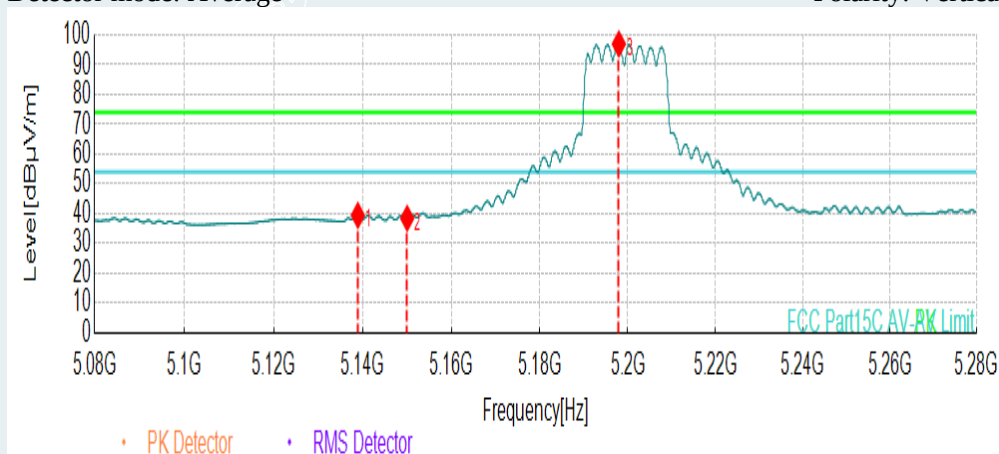
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical

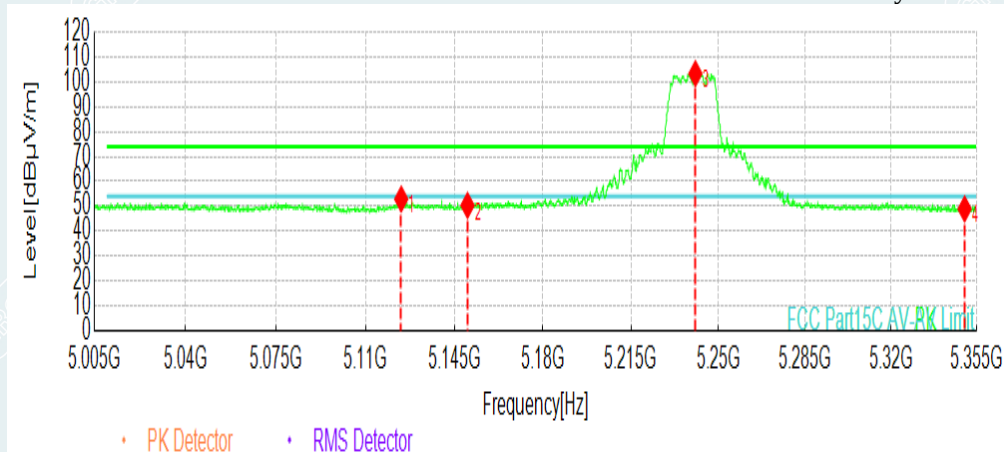


| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Polarity   |
|-----|-------------|----------------|-------------|----------------|-------------|------------|
| 1   | 5148.5343   | 40.25          | 14.13       | 54.00          | 13.75       | Horizontal |
| 2   | 5150.0350   | 39.19          | 14.14       | 54.00          | 14.81       | Horizontal |
| 3   | 5198.0590   | 96.27          | 14.49       | -              | -           | Horizontal |
| 1   | 5138.9295   | 39.48          | 14.06       | 54.00          | 14.52       | Vertical   |
| 2   | 5150.0350   | 38.49          | 14.14       | 54.00          | 15.51       | Vertical   |
| 3   | 5197.9590   | 97.03          | 14.49       | -              | -           | Vertical   |

**802.11n HT20 mode/5240MHz MIMO**

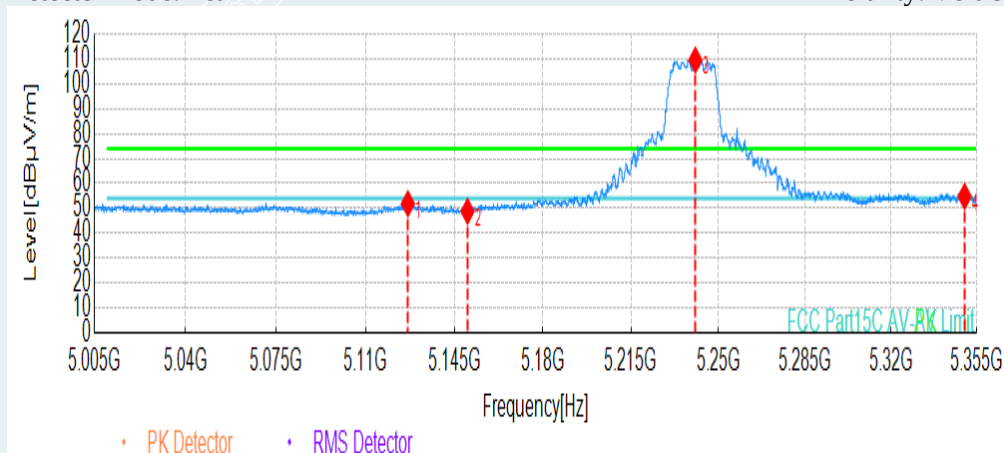
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical

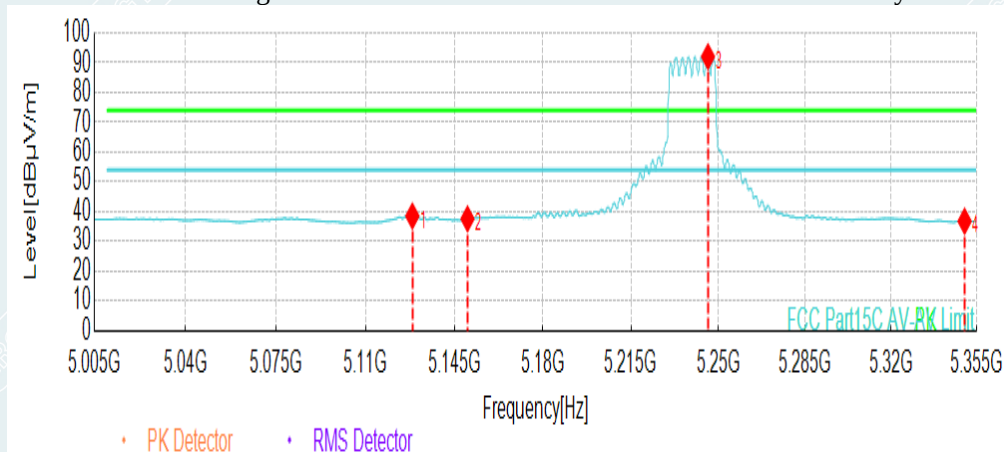


| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Polarity   |
|-----|-------------|----------------|-------------|----------------|-------------|------------|
| 1   | 5124.0595   | 52.90          | 13.95       | 74.00          | 21.10       | Horizontal |
| 2   | 5150.1476   | 50.36          | 14.14       | 74.00          | 23.64       | Horizontal |
| 3   | 5240.8429   | 103.33         | 14.74       | -              | -           | Horizontal |
| 4   | 5350.0975   | 48.95          | 15.15       | 74.00          | 25.05       | Horizontal |
| 1   | 5126.6858   | 51.83          | 13.97       | 74.00          | 22.17       | Vertical   |
| 2   | 5150.1476   | 48.75          | 14.14       | 74.00          | 25.25       | Vertical   |
| 3   | 5240.8429   | 109.58         | 14.74       | -              | -           | Vertical   |
| 4   | 5350.0975   | 54.77          | 15.15       | 74.00          | 19.23       | Vertical   |

**802.11n HT20 mode/5240MHz MIMO**

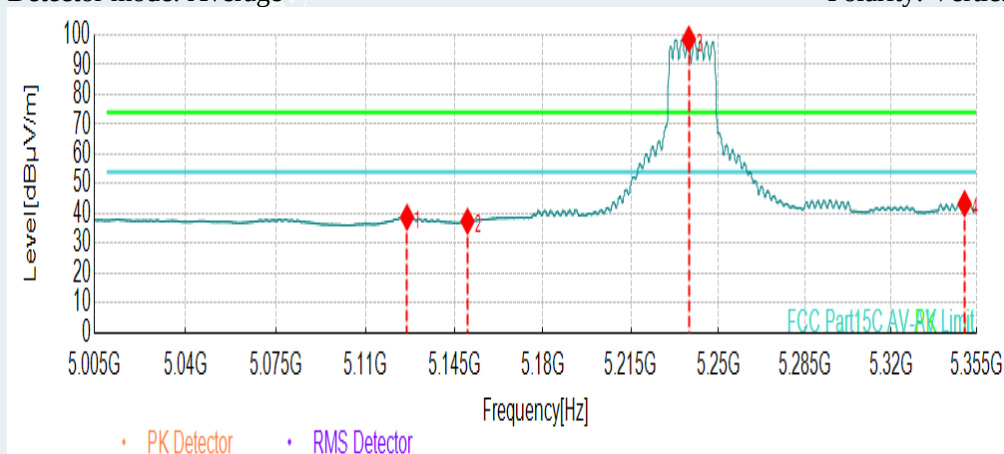
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical

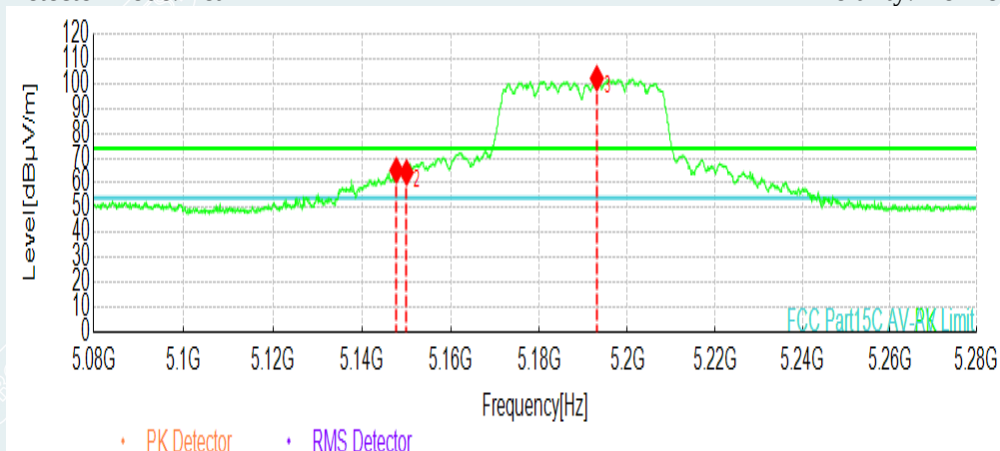


| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Polarity   |
|-----|-------------|----------------|-------------|----------------|-------------|------------|
| 1   | 5128.4367   | 38.57          | 13.98       | 54.00          | 15.43       | Horizontal |
| 2   | 5150.1476   | 37.66          | 14.14       | 54.00          | 16.34       | Horizontal |
| 3   | 5245.9205   | 92.08          | 14.77       | -              | -           | Horizontal |
| 4   | 5350.0975   | 36.85          | 15.15       | 54.00          | 17.15       | Horizontal |
| 1   | 5126.3357   | 38.82          | 13.97       | 54.00          | 15.18       | Vertical   |
| 2   | 5150.1476   | 37.50          | 14.14       | 54.00          | 16.50       | Vertical   |
| 3   | 5238.2166   | 98.65          | 14.72       | -              | -           | Vertical   |
| 4   | 5350.0975   | 43.39          | 15.15       | 54.00          | 10.61       | Vertical   |

**802.11n HT40 mode/5190MHz MIMO**

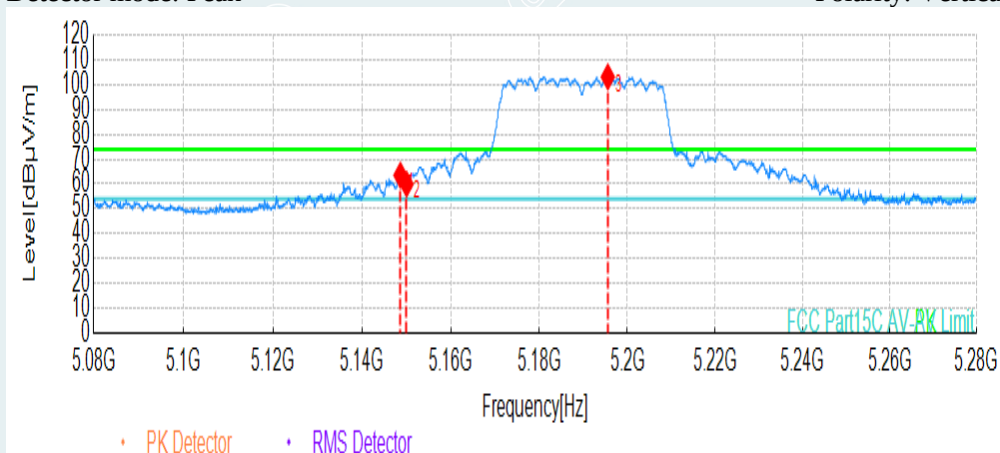
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical

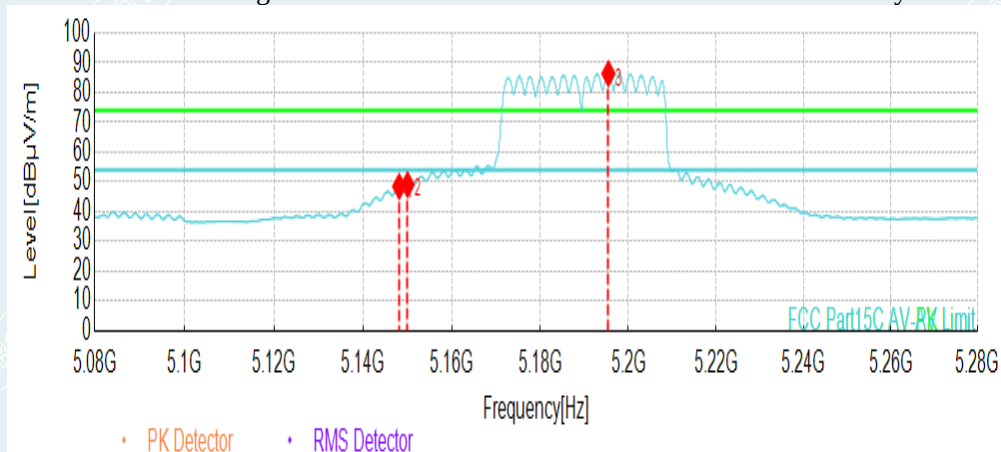


| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Polarity   |
|-----|-------------|----------------|-------------|----------------|-------------|------------|
| 1   | 5147.7339   | 65.05          | 14.12       | 74.00          | 8.95        | Horizontal |
| 2   | 5150.0350   | 64.21          | 14.14       | 74.00          | 9.79        | Horizontal |
| 3   | 5193.0565   | 102.16         | 14.45       | -              | -           | Horizontal |
| 1   | 5148.6343   | 63.54          | 14.13       | 74.00          | 10.46       | Vertical   |
| 2   | 5150.0350   | 59.95          | 14.14       | 74.00          | 14.05       | Vertical   |
| 3   | 5195.5578   | 103.15         | 14.47       | -              | -           | Vertical   |

**802.11n HT40 mode/5190MHz MIMO**

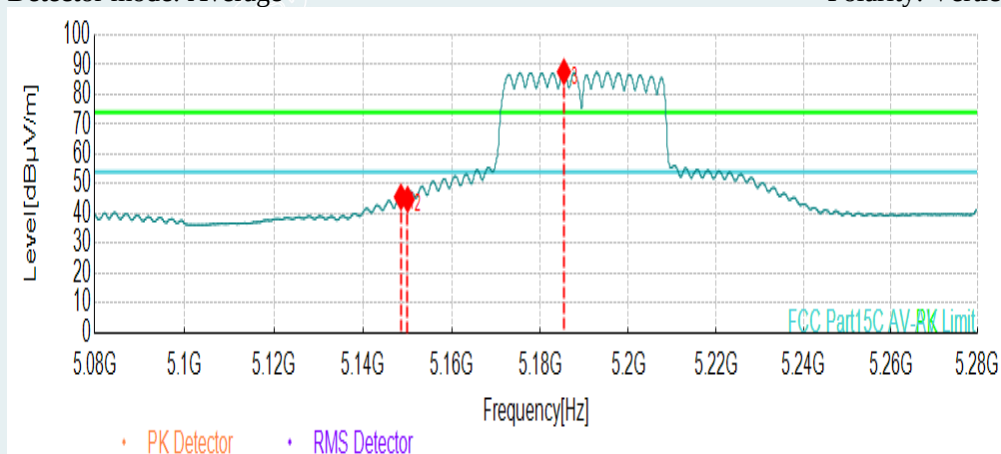
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical

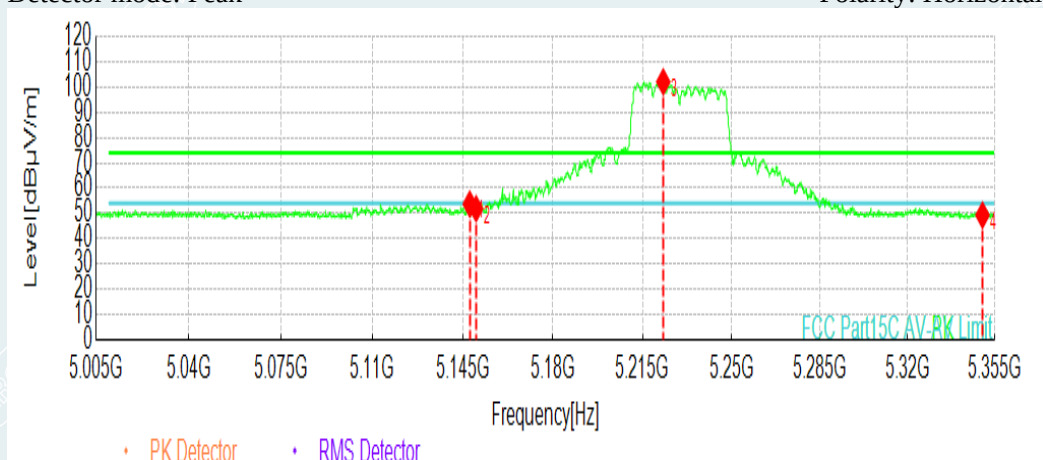


| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Polarity   |
|-----|-------------|----------------|-------------|----------------|-------------|------------|
| 1   | 5148.1341   | 48.52          | 14.13       | 54.00          | 5.48        | Horizontal |
| 2   | 5150.0350   | 49.13          | 14.14       | 54.00          | 4.87        | Horizontal |
| 3   | 5195.4577   | 86.39          | 14.47       | -              | -           | Horizontal |
| 1   | 5148.5343   | 45.64          | 14.13       | 54.00          | 8.36        | Vertical   |
| 2   | 5150.0350   | 44.83          | 14.14       | 54.00          | 9.17        | Vertical   |
| 3   | 5185.3527   | 87.64          | 14.39       | -              | -           | Vertical   |

**802.11n HT40 mode/5230MHz MIMO**

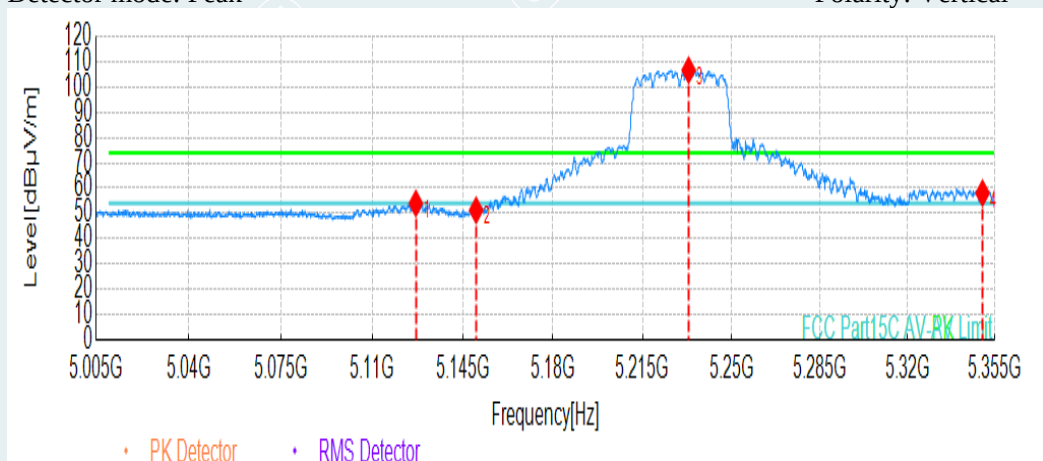
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical

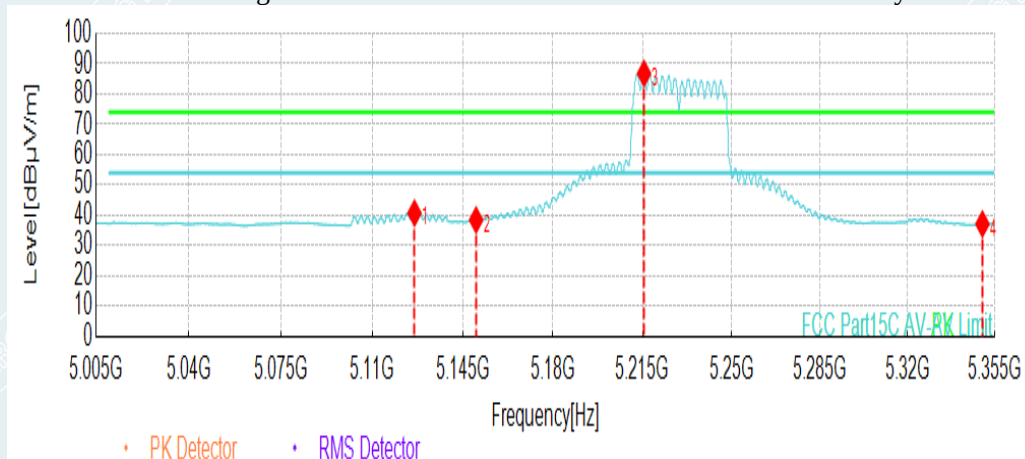


| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Polarity   |
|-----|-------------|----------------|-------------|----------------|-------------|------------|
| 1   | 5147.6963   | 53.69          | 14.12       | 74.00          | 20.31       | Horizontal |
| 2   | 5150.1476   | 51.87          | 14.14       | 74.00          | 22.13       | Horizontal |
| 3   | 5223.1591   | 102.05         | 14.63       | -              | -           | Horizontal |
| 4   | 5350.0975   | 49.30          | 15.15       | 74.00          | 24.70       | Horizontal |
| 1   | 5126.8609   | 53.98          | 13.97       | 74.00          | 20.02       | Vertical   |
| 2   | 5150.1476   | 51.25          | 14.14       | 74.00          | 22.75       | Vertical   |
| 3   | 5233.1391   | 106.67         | 14.69       | -              | -           | Vertical   |
| 4   | 5350.0975   | 58.04          | 15.15       | 74.00          | 15.96       | Vertical   |

**802.11n HT40 mode/5230MHz MIMO**

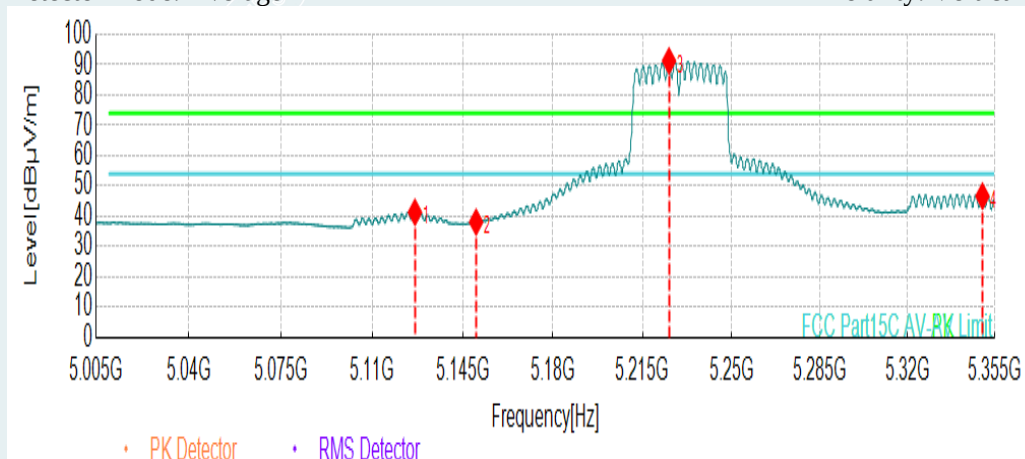
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical

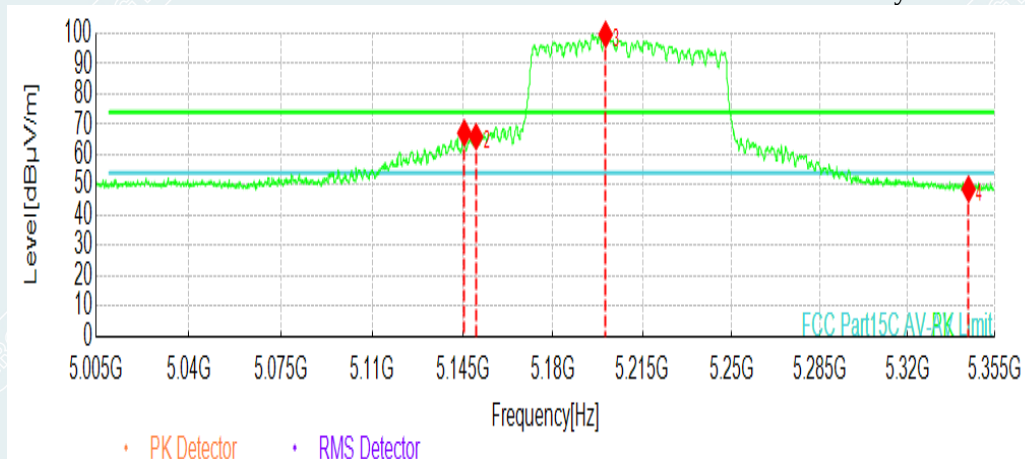


| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Polarity   |
|-----|-------------|----------------|-------------|----------------|-------------|------------|
| 1   | 5126.3357   | 40.77          | 13.97       | 54.00          | 13.23       | Horizontal |
| 2   | 5150.1476   | 38.50          | 14.14       | 54.00          | 15.50       | Horizontal |
| 3   | 5215.6303   | 86.83          | 14.59       | -              | -           | Horizontal |
| 4   | 5350.0975   | 37.17          | 15.15       | 54.00          | 16.83       | Horizontal |
| 1   | 5126.5108   | 41.38          | 13.97       | 54.00          | 12.62       | Vertical   |
| 2   | 5150.1476   | 38.14          | 14.14       | 54.00          | 15.86       | Vertical   |
| 3   | 5225.4352   | 91.30          | 14.65       | -              | -           | Vertical   |
| 4   | 5350.0975   | 46.71          | 15.15       | 54.00          | 7.29        | Vertical   |

**802.11ac VHT80 mode/5210MHz MIMO**

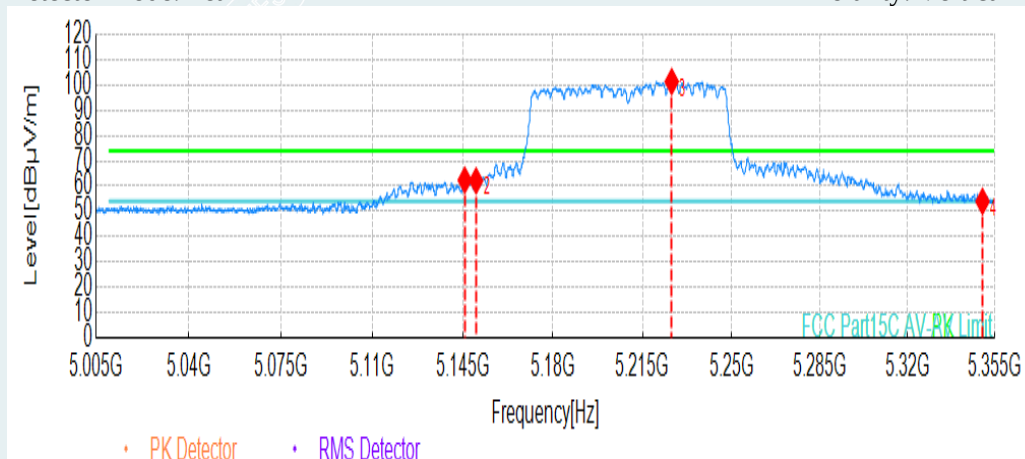
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical

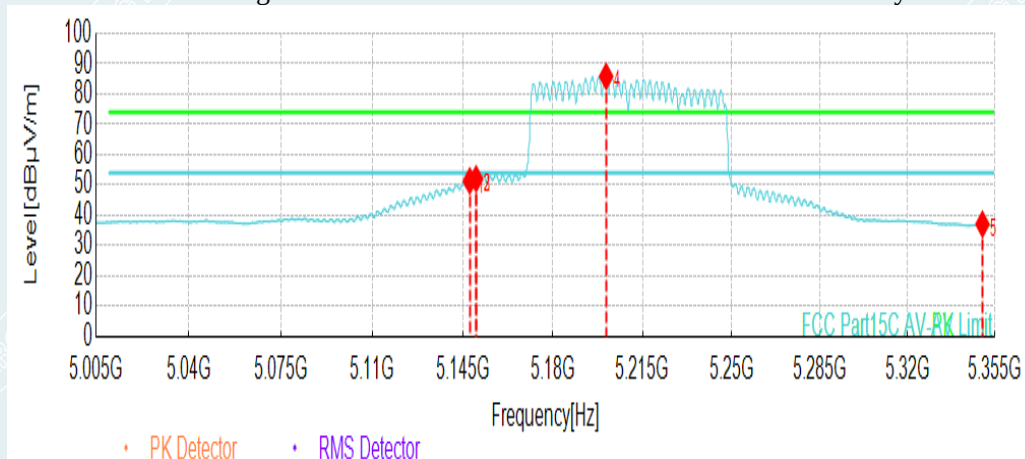


| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Polarity   |
|-----|-------------|----------------|-------------|----------------|-------------|------------|
| 1   | 5145.5953   | 67.18          | 14.11       | 74.00          | 6.82        | Horizontal |
| 2   | 5150.1476   | 65.97          | 14.14       | 74.00          | 8.03        | Horizontal |
| 3   | 5200.5728   | 99.70          | 14.50       | -              | -           | Horizontal |
| 4   | 5344.4947   | 48.69          | 15.14       | 74.00          | 25.31       | Horizontal |
| 1   | 5145.7704   | 62.38          | 14.11       | 74.00          | 11.62       | Vertical   |
| 2   | 5150.1476   | 62.15          | 14.14       | 74.00          | 11.85       | Vertical   |
| 3   | 5226.4857   | 101.39         | 14.65       | -              | -           | Vertical   |
| 4   | 5350.0975   | 53.97          | 15.15       | 74.00          | 20.03       | Vertical   |

**802.11ac VHT80 mode/5210MHz MIMO**

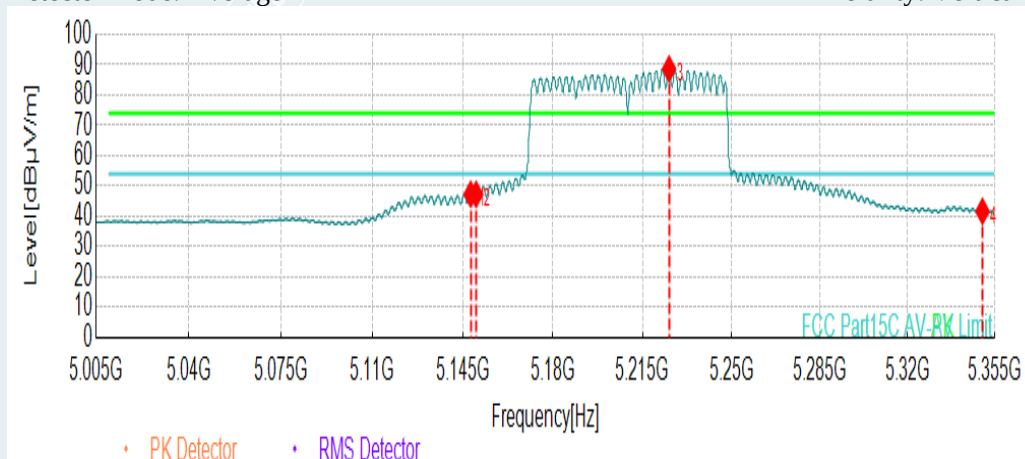
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical

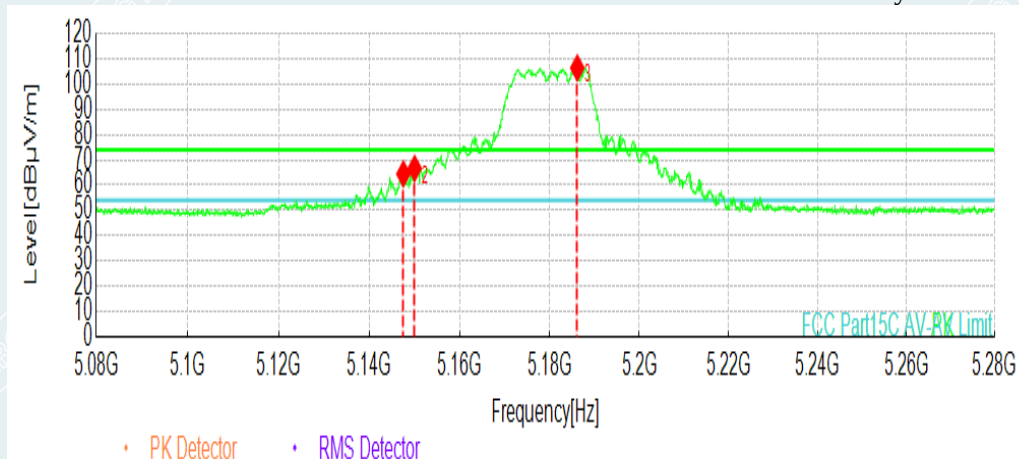


| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Polarity   |
|-----|-------------|----------------|-------------|----------------|-------------|------------|
| 1   | 5147.6963   | 51.39          | 14.12       | 54.00          | 2.61        | Horizontal |
| 2   | 5150.1476   | 52.05          | 14.14       | 54.00          | 1.95        | Horizontal |
| 3   | 5200.7479   | 85.89          | 14.50       | -              | -           | Horizontal |
| 4   | 5350.0975   | 37.11          | 15.15       | 54.00          | 16.89       | Horizontal |
| 1   | 5148.0465   | 47.36          | 14.13       | 54.00          | 6.64        | Vertical   |
| 2   | 5150.1476   | 47.31          | 14.14       | 54.00          | 6.69        | Vertical   |
| 3   | 5225.4352   | 88.69          | 14.65       | -              | -           | Vertical   |
| 4   | 5350.0975   | 41.69          | 15.15       | 54.00          | 12.31       | Vertical   |

**802.11ax HE20 mode/5180MHz MIMO**

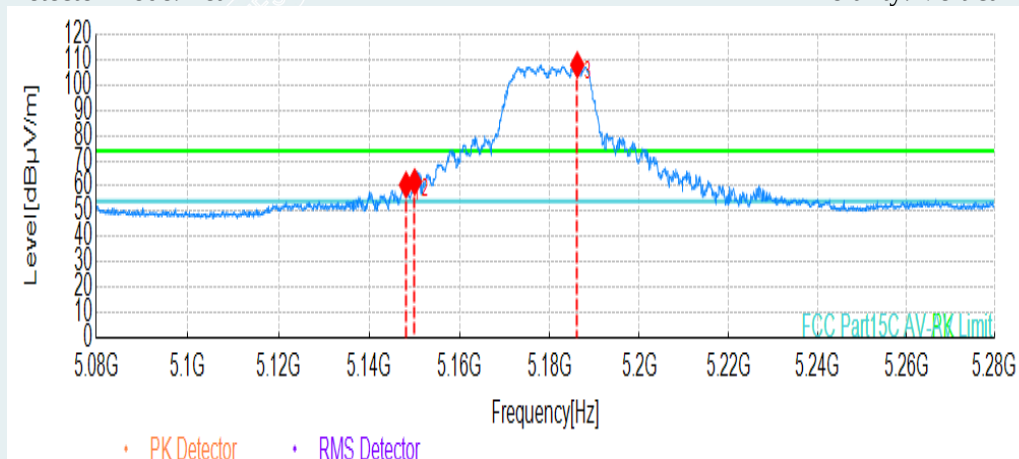
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical

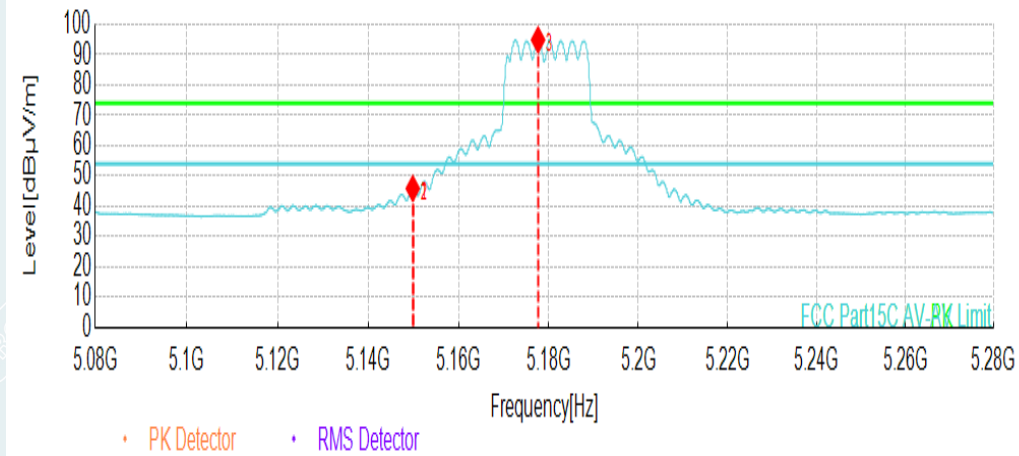


| NO. | Freq.<br>[MHz] | Level<br>[dBμV/m] | Factor<br>[dB] | Limit<br>[dBμV/m] | Margin<br>[dB] | Polarity   |
|-----|----------------|-------------------|----------------|-------------------|----------------|------------|
| 1   | 5147.5338      | 64.42             | 14.12          | 74.00             | 9.58           | Horizontal |
| 2   | 5150.0350      | 66.62             | 14.14          | 74.00             | 7.38           | Horizontal |
| 3   | 5186.1531      | 106.41            | 14.40          | -                 | -              | Horizontal |
| 1   | 5148.1341      | 60.48             | 14.13          | 74.00             | 13.52          | Vertical   |
| 2   | 5150.0350      | 61.66             | 14.14          | 74.00             | 12.34          | Vertical   |
| 3   | 5186.1531      | 108.01            | 14.40          | -                 | -              | Vertical   |

**802.11ax HE20 mode/5180MHz MIMO**

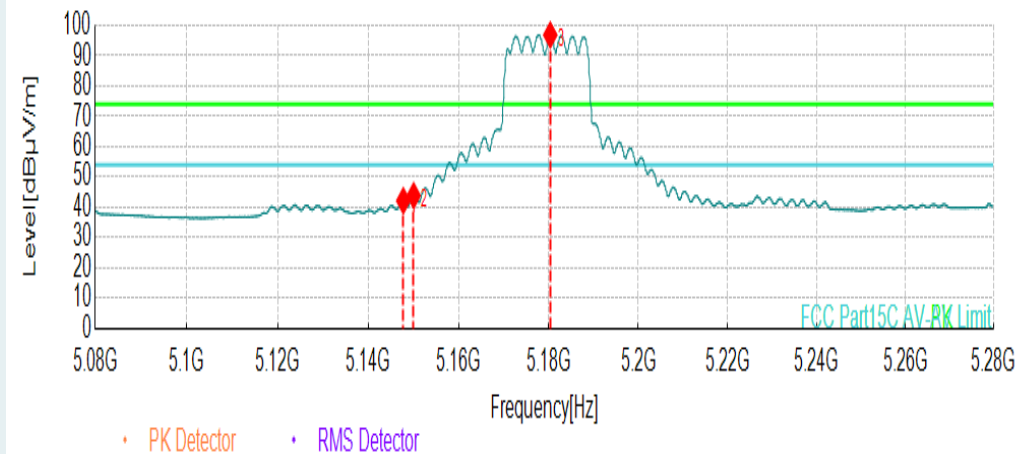
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical

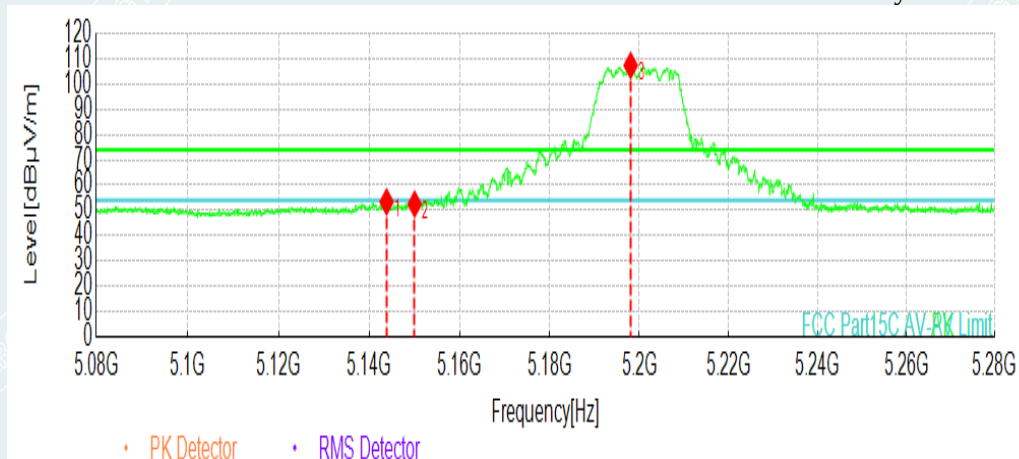


| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Polarity   |
|-----|-------------|----------------|-------------|----------------|-------------|------------|
| 1   | 5149.8349   | 45.91          | 14.14       | 54.00          | 8.09        | Horizontal |
| 2   | 5150.0350   | 45.84          | 14.14       | 54.00          | 8.16        | Horizontal |
| 3   | 5177.6488   | 94.96          | 14.34       | -              | -           | Horizontal |
| 1   | 5147.7339   | 42.22          | 14.12       | 54.00          | 11.78       | Vertical   |
| 2   | 5150.0350   | 43.91          | 14.14       | 54.00          | 10.09       | Vertical   |
| 3   | 5180.3502   | 96.92          | 14.36       | -              | -           | Vertical   |

**802.11ax HE20 mode/5200MHz MIMO**

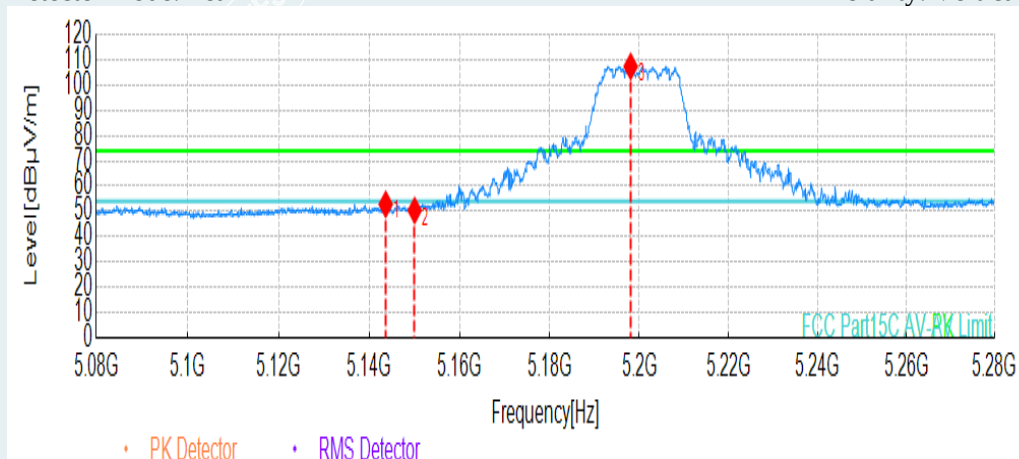
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical

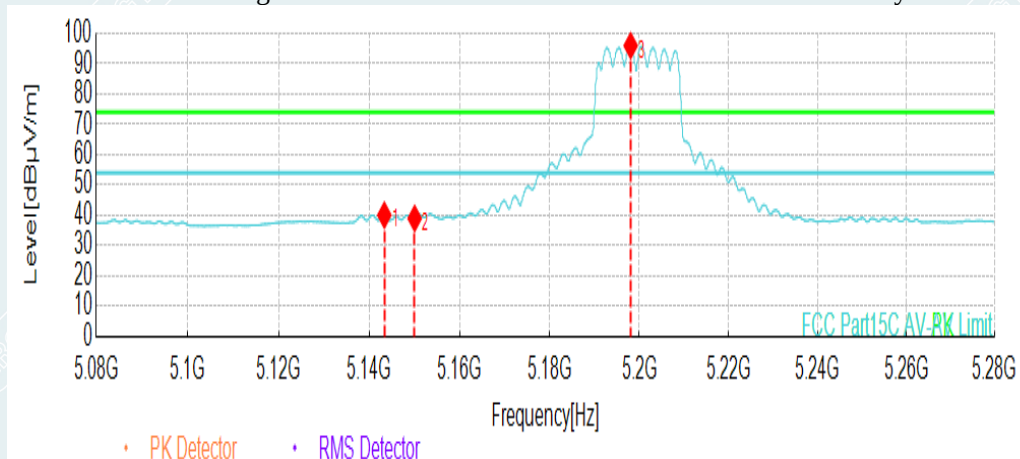


| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Polarity   |
|-----|-------------|----------------|-------------|----------------|-------------|------------|
| 1   | 5143.8319   | 53.41          | 14.10       | 74.00          | 20.59       | Horizontal |
| 2   | 5150.0350   | 52.52          | 14.14       | 74.00          | 21.48       | Horizontal |
| 3   | 5198.0590   | 107.38         | 14.49       | -              | -           | Horizontal |
| 1   | 5143.6318   | 52.83          | 14.09       | 74.00          | 21.17       | Vertical   |
| 2   | 5150.0350   | 50.39          | 14.14       | 74.00          | 23.61       | Vertical   |
| 3   | 5198.0590   | 107.36         | 14.49       | -              | -           | Vertical   |

**802.11ax HE20 mode/5200MHz MIMO**

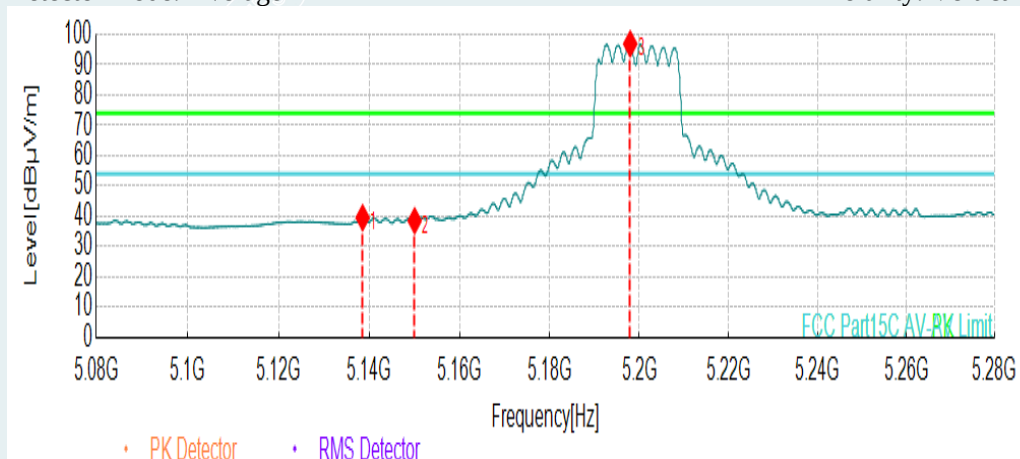
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical

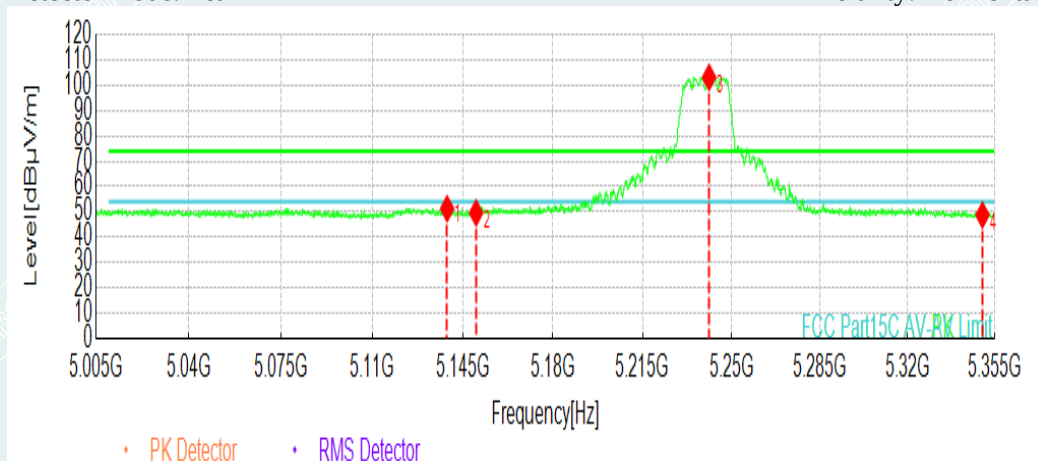


| NO. | Freq.<br>[MHz] | Level<br>[dBμV/m] | Factor<br>[dB] | Limit<br>[dBμV/m] | Margin<br>[dB] | Polarity   |
|-----|----------------|-------------------|----------------|-------------------|----------------|------------|
| 1   | 5143.3317      | 40.13             | 14.09          | 54.00             | 13.87          | Horizontal |
| 2   | 5150.0350      | 39.01             | 14.14          | 54.00             | 14.99          | Horizontal |
| 3   | 5198.0590      | 96.01             | 14.49          | -                 | -              | Horizontal |
| 1   | 5138.5293      | 39.60             | 14.06          | 54.00             | 14.40          | Vertical   |
| 2   | 5150.0350      | 38.58             | 14.14          | 54.00             | 15.42          | Vertical   |
| 3   | 5197.9590      | 96.94             | 14.49          | -                 | -              | Vertical   |

**802.11ax HE20 mode/5240MHz MIMO**

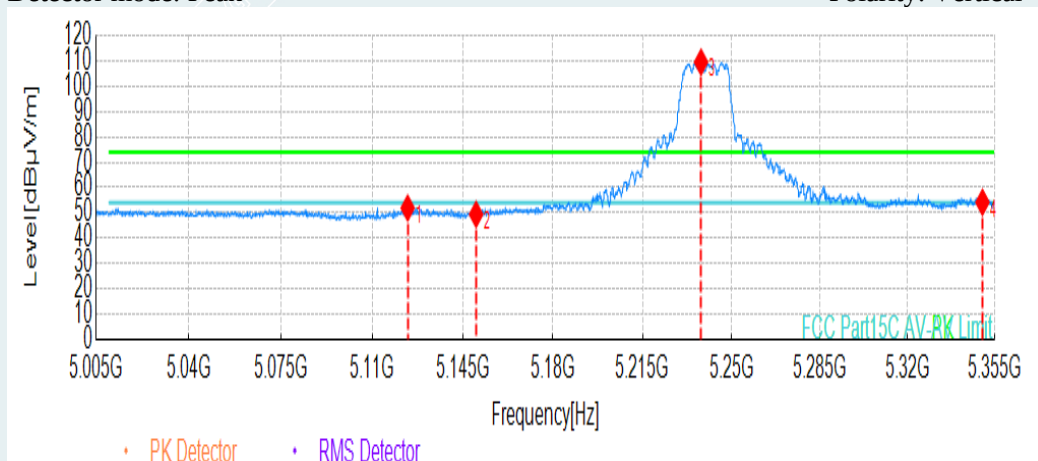
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical

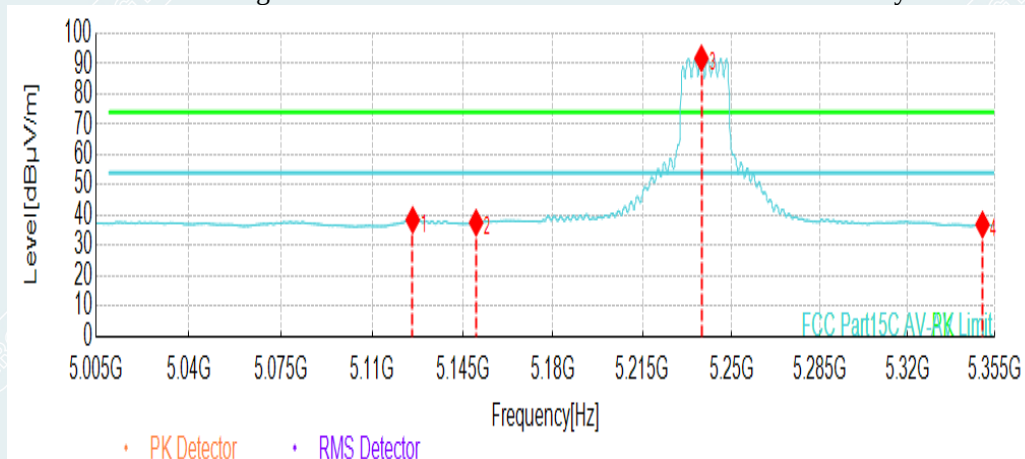


| NO. | Freq.<br>[MHz] | Level<br>[dBμV/m] | Factor<br>[dB] | Limit<br>[dBμV/m] | Margin<br>[dB] | Polarity   |
|-----|----------------|-------------------|----------------|-------------------|----------------|------------|
| 1   | 5138.9420      | 51.26             | 14.06          | 74.00             | 22.74          | Horizontal |
| 2   | 5150.1476      | 49.61             | 14.14          | 74.00             | 24.39          | Horizontal |
| 3   | 5241.1931      | 103.11            | 14.74          | -                 | -              | Horizontal |
| 4   | 5350.0975      | 48.76             | 15.15          | 74.00             | 25.24          | Horizontal |
| 1   | 5123.7094      | 51.90             | 13.95          | 74.00             | 22.10          | Vertical   |
| 2   | 5150.1476      | 49.41             | 14.14          | 74.00             | 24.59          | Vertical   |
| 3   | 5238.0415      | 109.54            | 14.72          | -                 | -              | Vertical   |
| 4   | 5350.0975      | 54.18             | 15.15          | 74.00             | 19.82          | Vertical   |

**802.11ax HE20 mode/5240MHz MIMO**

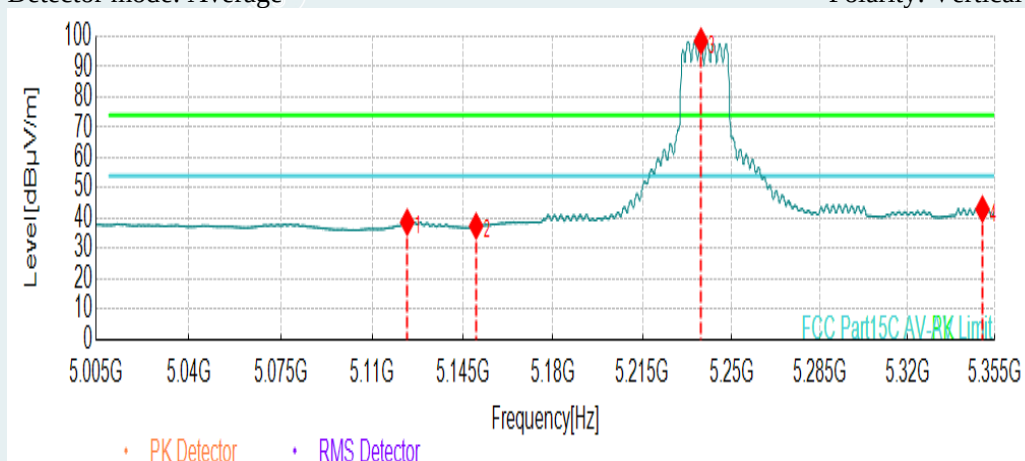
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical

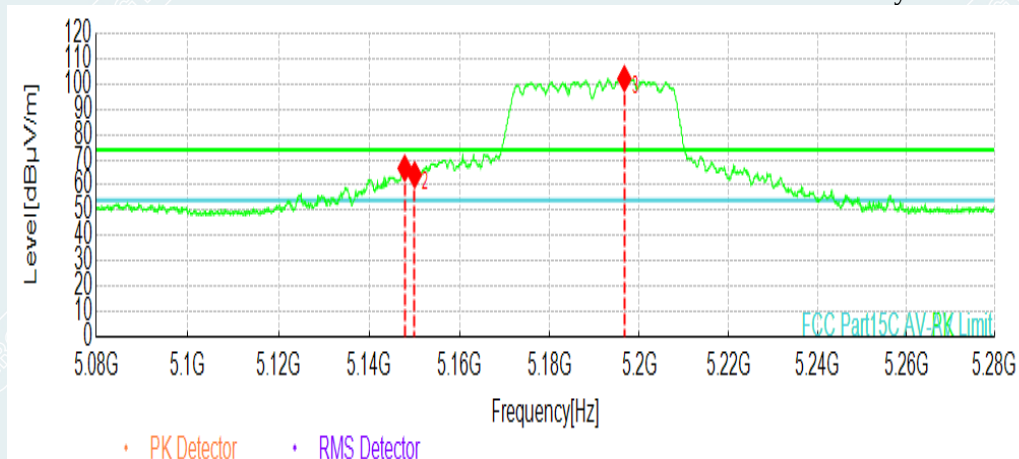


| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Polarity   |
|-----|-------------|----------------|-------------|----------------|-------------|------------|
| 1   | 5125.6353   | 38.51          | 13.96       | 54.00          | 15.49       | Horizontal |
| 2   | 5150.1476   | 37.60          | 14.14       | 54.00          | 16.40       | Horizontal |
| 3   | 5238.2166   | 91.82          | 14.72       | -              | -           | Horizontal |
| 4   | 5350.0975   | 36.98          | 15.15       | 54.00          | 17.02       | Horizontal |
| 1   | 5123.5343   | 38.73          | 13.95       | 54.00          | 15.27       | Vertical   |
| 2   | 5150.1476   | 37.50          | 14.14       | 54.00          | 16.50       | Vertical   |
| 3   | 5238.0415   | 98.47          | 14.72       | -              | -           | Vertical   |
| 4   | 5350.0975   | 43.06          | 15.15       | 54.00          | 10.94       | Vertical   |

**802.11ax HE40 mode/5190MHz MIMO**

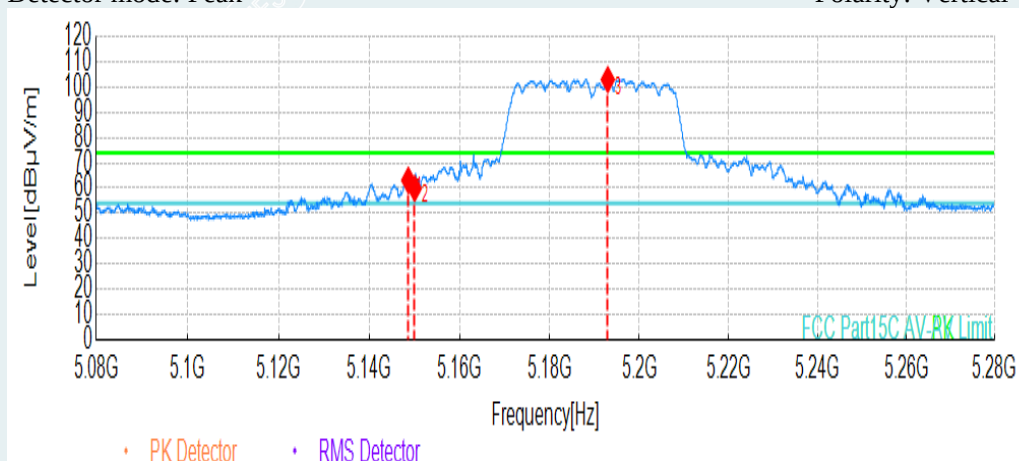
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical

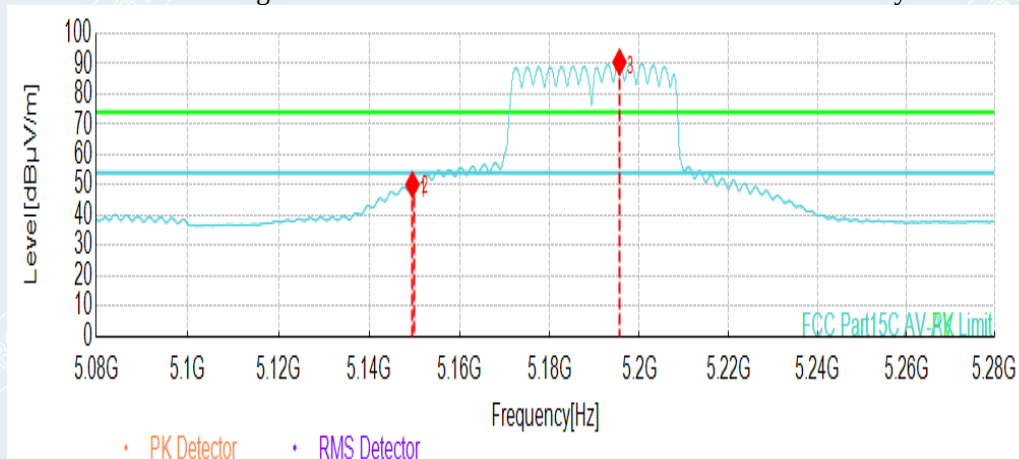


| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Polarity   |
|-----|-------------|----------------|-------------|----------------|-------------|------------|
| 1   | 5147.8339   | 66.68          | 14.12       | 74.00          | 7.32        | Horizontal |
| 2   | 5150.0350   | 64.06          | 14.14       | 74.00          | 9.94        | Horizontal |
| 3   | 5196.6583   | 102.16         | 14.48       | -              | -           | Horizontal |
| 1   | 5148.6343   | 63.11          | 14.13       | 74.00          | 10.89       | Vertical   |
| 2   | 5150.0350   | 59.84          | 14.14       | 74.00          | 14.16       | Vertical   |
| 3   | 5192.9565   | 102.96         | 14.45       | -              | -           | Vertical   |

**802.11ax HE40 mode/5190MHz MIMO**

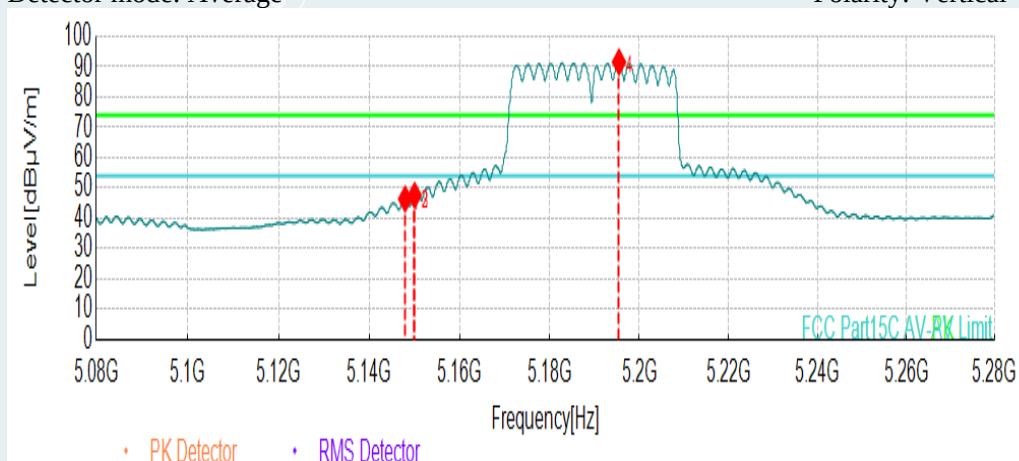
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical

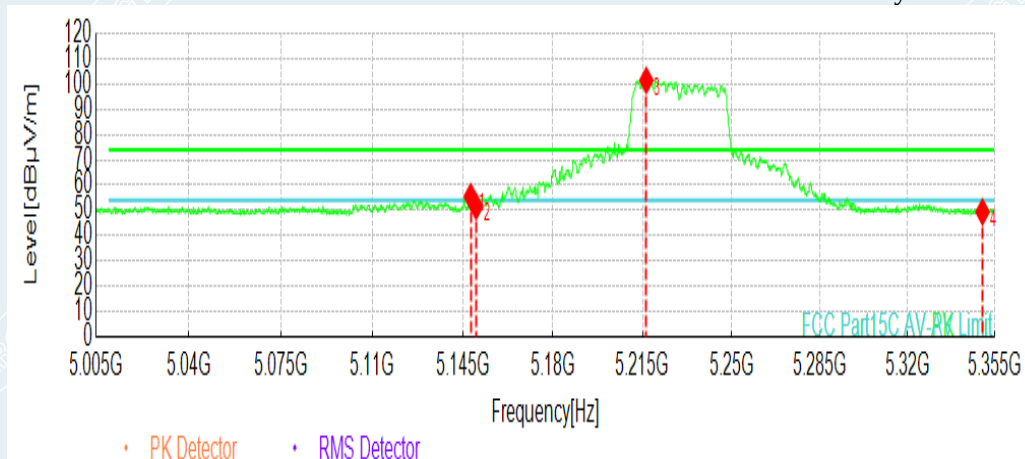


| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Polarity   |
|-----|-------------|----------------|-------------|----------------|-------------|------------|
| 1   | 5149.5348   | 50.15          | 14.14       | 54.00          | 3.85        | Horizontal |
| 2   | 5150.0350   | 51.45          | 14.14       | 54.00          | 2.55        | Horizontal |
| 3   | 5195.5578   | 90.55          | 14.47       | -              | -           | Horizontal |
| 1   | 5147.9340   | 46.44          | 14.13       | 54.00          | 7.56        | Vertical   |
| 2   | 5150.0350   | 47.64          | 14.14       | 54.00          | 6.36        | Vertical   |
| 3   | 5195.4577   | 91.60          | 14.47       | -              | -           | Vertical   |

**802.11ax HE40 mode/5230MHz MIMO**

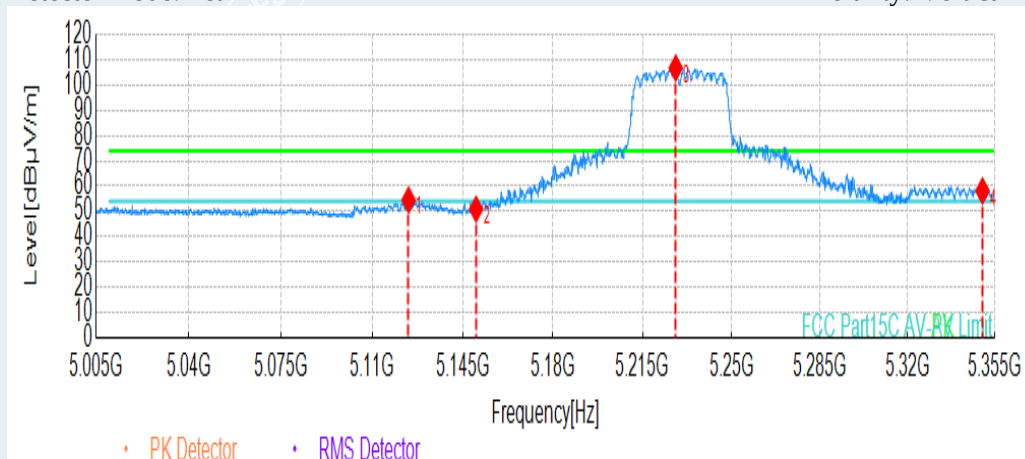
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical

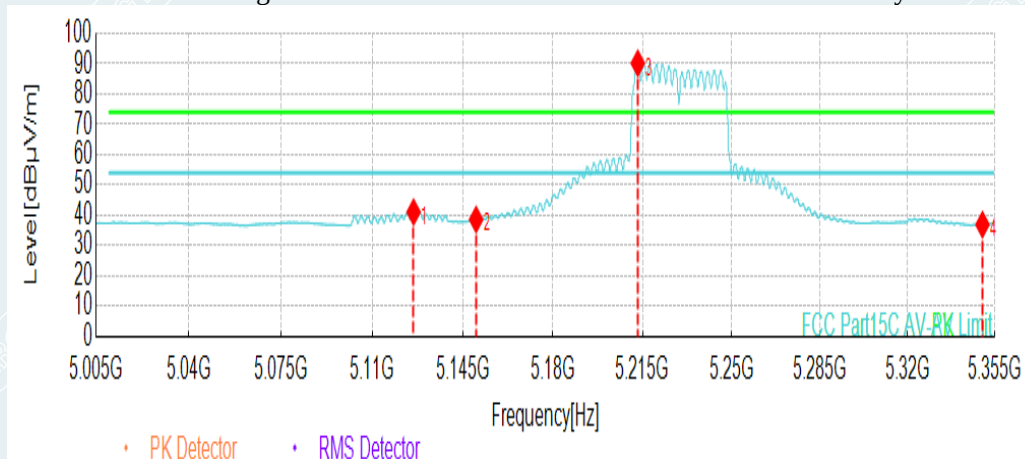


| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Polarity   |
|-----|-------------|----------------|-------------|----------------|-------------|------------|
| 1   | 5148.0465   | 55.48          | 14.13       | 74.00          | 18.52       | Horizontal |
| 2   | 5150.1476   | 51.54          | 14.14       | 74.00          | 22.46       | Horizontal |
| 3   | 5216.5058   | 101.48         | 14.60       | -              | -           | Horizontal |
| 4   | 5350.0975   | 49.38          | 15.15       | 74.00          | 24.62       | Horizontal |
| 1   | 5124.0595   | 54.52          | 13.95       | 74.00          | 19.48       | Vertical   |
| 2   | 5150.1476   | 50.92          | 14.14       | 74.00          | 23.08       | Vertical   |
| 3   | 5228.0615   | 106.78         | 14.66       | -              | -           | Vertical   |
| 4   | 5350.0975   | 58.14          | 15.15       | 74.00          | 15.86       | Vertical   |

**802.11ax HE40 mode/5230MHz MIMO**

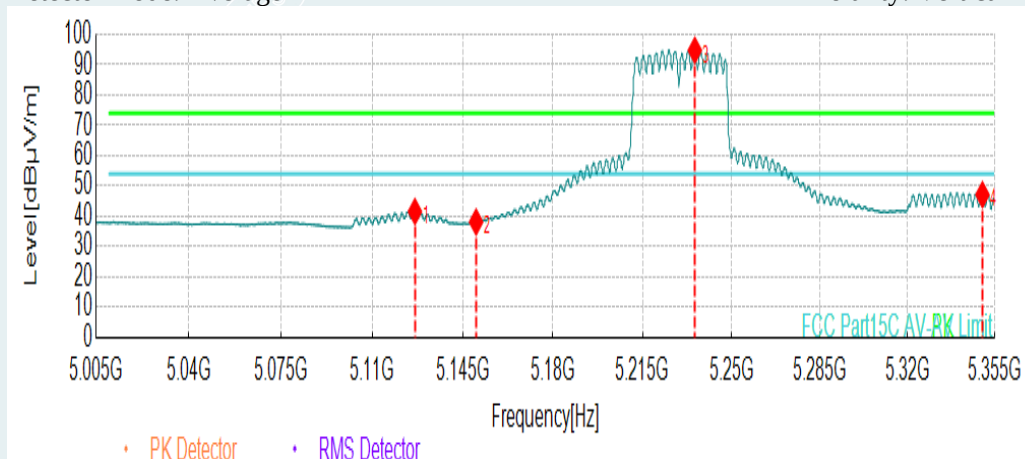
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical

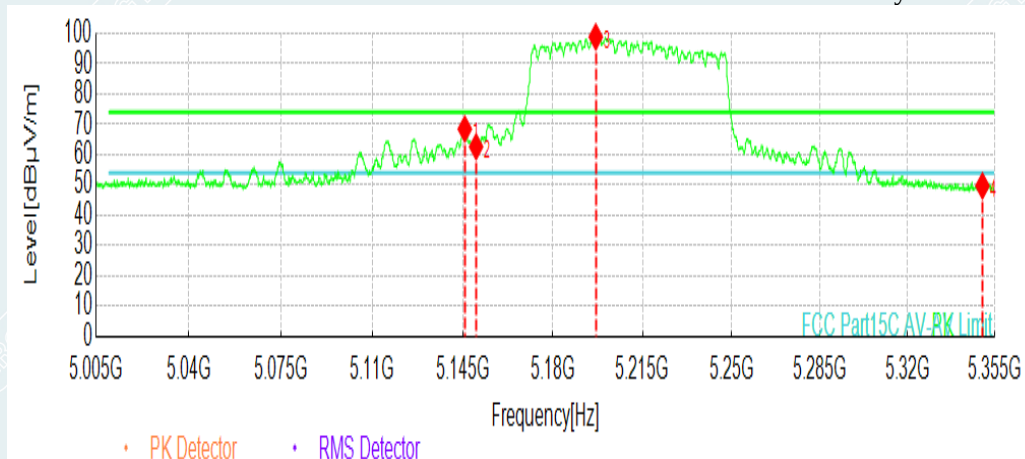


| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Polarity   |
|-----|-------------|----------------|-------------|----------------|-------------|------------|
| 1   | 5125.9855   | 41.14          | 13.97       | 54.00          | 12.86       | Horizontal |
| 2   | 5150.1476   | 38.67          | 14.14       | 54.00          | 15.33       | Horizontal |
| 3   | 5213.1791   | 90.21          | 14.58       | -              | -           | Horizontal |
| 4   | 5350.0975   | 36.99          | 15.15       | 54.00          | 17.01       | Horizontal |
| 1   | 5126.5108   | 41.63          | 13.97       | 54.00          | 12.37       | Vertical   |
| 2   | 5150.1476   | 38.20          | 14.14       | 54.00          | 15.80       | Vertical   |
| 3   | 5235.5903   | 94.81          | 14.71       | -              | -           | Vertical   |
| 4   | 5350.0975   | 47.19          | 15.15       | 54.00          | 6.81        | Vertical   |

**802.11ax HE80 mode/5210MHz MIMO**

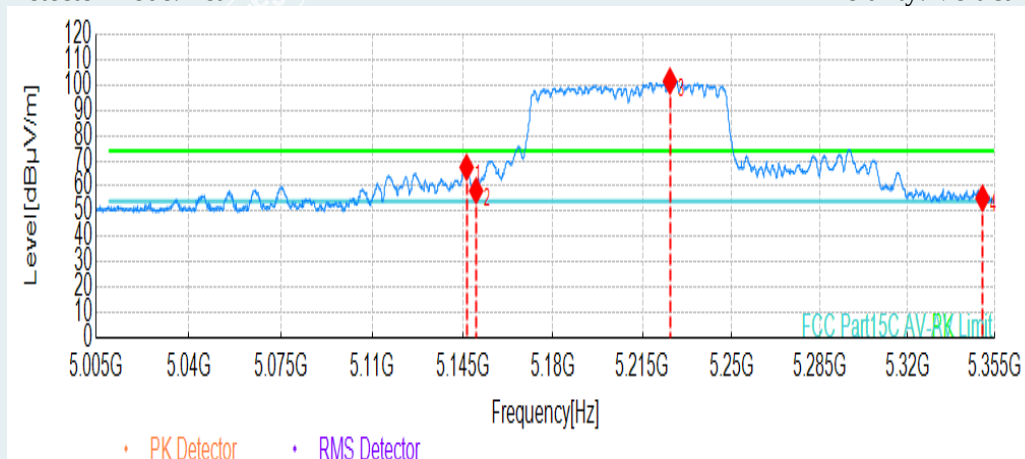
Detector mode: Peak

Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical

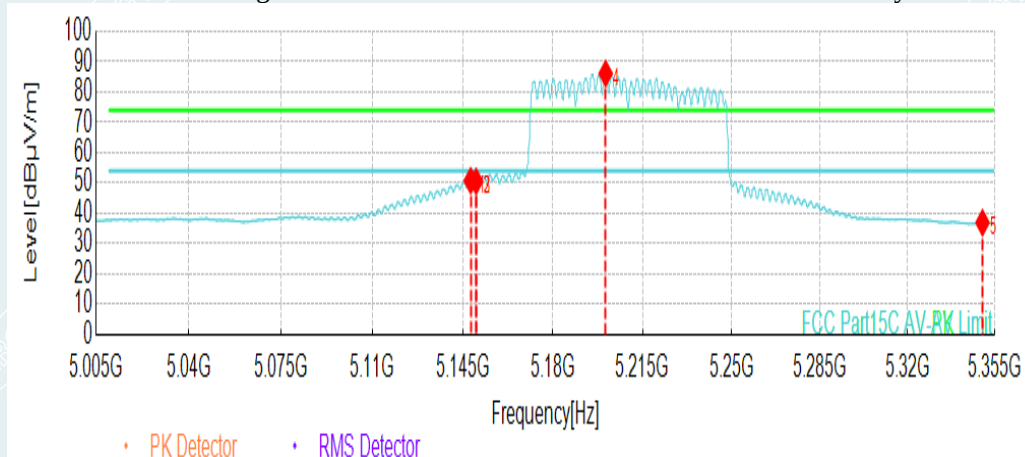


| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Polarity   |
|-----|-------------|----------------|-------------|----------------|-------------|------------|
| 1   | 5145.7704   | 68.53          | 14.11       | 74.00          | 5.47        | Horizontal |
| 2   | 5150.1476   | 62.69          | 14.14       | 74.00          | 11.31       | Horizontal |
| 3   | 5196.7209   | 98.92          | 14.48       | -              | -           | Horizontal |
| 4   | 5350.0975   | 49.76          | 15.15       | 74.00          | 24.24       | Horizontal |
| 1   | 5146.4707   | 67.45          | 14.11       | 74.00          | 6.55        | Vertical   |
| 2   | 5150.1476   | 58.18          | 14.14       | 74.00          | 15.82       | Vertical   |
| 3   | 5225.7854   | 101.56         | 14.65       | -              | -           | Vertical   |
| 4   | 5350.0975   | 55.20          | 15.15       | 74.00          | 18.80       | Vertical   |

**802.11ax HE80 mode/5210MHz MIMO**

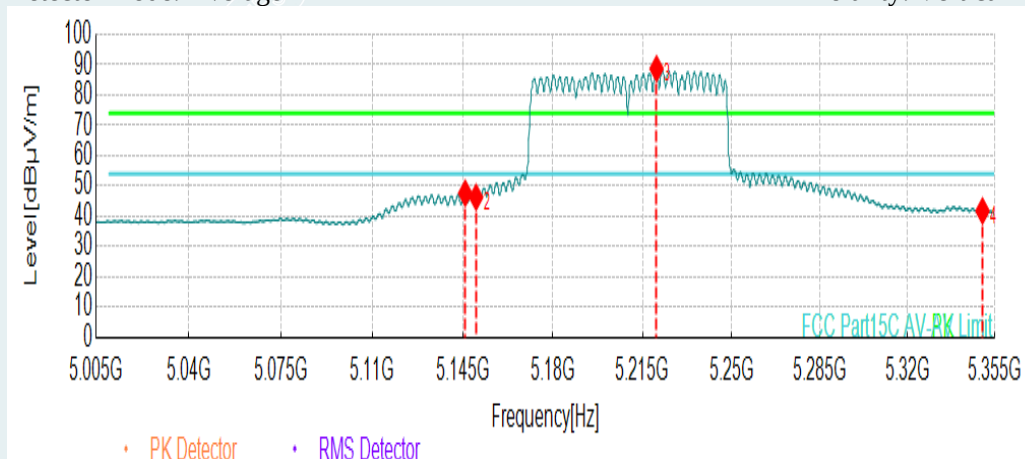
Detector mode: Average

Polarity: Horizontal



Detector mode: Average

Polarity: Vertical



| NO. | Freq. [MHz] | Level [dBμV/m] | Factor [dB] | Limit [dBμV/m] | Margin [dB] | Polarity   |
|-----|-------------|----------------|-------------|----------------|-------------|------------|
| 1   | 5148.0465   | 50.84          | 14.13       | 54.00          | 3.16        | Horizontal |
| 2   | 5150.1476   | 50.60          | 14.14       | 54.00          | 3.40        | Horizontal |
| 3   | 5200.5728   | 86.17          | 14.50       | -              | -           | Horizontal |
| 4   | 5350.0975   | 36.97          | 15.15       | 54.00          | 17.03       | Horizontal |
| 1   | 5145.9455   | 47.66          | 14.11       | 54.00          | 6.34        | Vertical   |
| 2   | 5150.1476   | 46.33          | 14.14       | 54.00          | 7.67        | Vertical   |
| 3   | 5220.5328   | 88.76          | 14.62       | -              | -           | Vertical   |
| 4   | 5350.0975   | 41.80          | 15.15       | 54.00          | 12.20       | Vertical   |

Remark: Max field strength in 3m distance. No any other emission which falls in restricted bands can be detected and be reported.

## 8. 26DB BANDWIDTH & 99% OCCUPIED BANDWIDTH

### 8.1. LIMITS

| Band    | Frequency (MHz) | Test Item                             | Limit |
|---------|-----------------|---------------------------------------|-------|
| U-NII-1 | 5150-5250       | 26dB Bandwidth&99% Occupied Bandwidth | N/A   |

### 8.2. TEST PROCEDURES

#### For 26dB Bandwidth Measurement :

- Connect EUT antenna terminal to the spectrum analyzer with RF cable.
- Spectrum analyzer setting parameters in accordance with table 1.
- Set the EUT transmit continuously with maximum output power.
- Allow trace to stabilize, measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the instrument. Readjust RBW and repeat measurements needed until the RBW/EBW ratio is approximately 1%.
- Repeat above procedures until all modes and channels were measured.
- Record the results in the test report.

#### For 99% Occupied Bandwidth Measurement :

- Connect EUT antenna terminal to the spectrum analyzer with RF cable.
- Spectrum analyzer setting parameters in accordance with table 3.
- Set the EUT transmit continuously with maximum output power.
- Allow trace to stabilize, use the 99% power bandwidth function to measure bandwidth.
- Repeat above procedures until all modes and channels were measured.

Record the results in the test report.

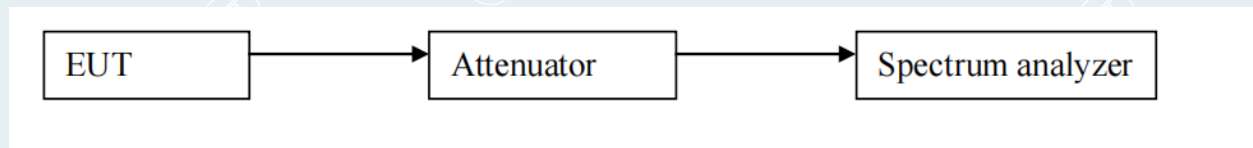
Table 1:

| 26dB Bandwidth      |                                                                                            |
|---------------------|--------------------------------------------------------------------------------------------|
| Spectrum Parameters | Setting                                                                                    |
| RBW                 | approximately 1% of the emission bandwidth                                                 |
| VBW                 | >RBW                                                                                       |
| Span                | 40MHz(20MHz Bandwidth mode)<br>60MHz(40MHz Bandwidth mode)<br>120MHz(80MHz Bandwidth mode) |
| Sweep Time          | Auto                                                                                       |
| Detector            | Peak                                                                                       |
| Trace Mode          | Max Hold                                                                                   |

Table 2:

| 99% Occupied Bandwidth |                                         |
|------------------------|-----------------------------------------|
| Spectrum Parameters    | Setting                                 |
| RBW                    | 1% to 5% of the OBW                     |
| VBW                    | approximately three times the RBW       |
| Span                   | between 1.5 times and 5.0 times the OBW |
| Sweep Time             | Auto                                    |
| Detector               | Peak                                    |
| Trace Mode             | Max Hold                                |

### 8.3. TEST SETUP



### 8.4. TEST RESULTS

#### 26DB BANDWIDTH

| Test Mode                 | Antenna | Frequency [MHz] | 26dB EBW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|---------------------------|---------|-----------------|----------------|----------|----------|------------|---------|
| 802.11a                   | Ant1    | 5180            | 21.498         | 5169.278 | 5190.776 | ---        | PASS    |
|                           | Ant1    | 5200            | 21.543         | 5189.278 | 5210.821 | ---        | PASS    |
|                           | Ant1    | 5240            | 21.393         | 5229.311 | 5250.704 | ---        | PASS    |
|                           | Ant2    | 5180            | 22.218         | 5168.825 | 5191.043 | ---        | PASS    |
|                           | Ant2    | 5200            | 21.795         | 5189.209 | 5211.004 | ---        | PASS    |
|                           | Ant2    | 5240            | 21.498         | 5229.296 | 5250.794 | ---        | PASS    |
|                           | Ant3    | 5180            | 21.801         | 5169.197 | 5190.998 | ---        | PASS    |
|                           | Ant3    | 5200            | 21.546         | 5189.251 | 5210.797 | ---        | PASS    |
|                           | Ant3    | 5240            | 21.48          | 5229.275 | 5250.755 | ---        | PASS    |
|                           | Ant4    | 5180            | 21.633         | 5169.239 | 5190.872 | ---        | PASS    |
|                           | Ant4    | 5200            | 21.708         | 5189.248 | 5210.956 | ---        | PASS    |
|                           | Ant4    | 5240            | 21.396         | 5229.287 | 5250.683 | ---        | PASS    |
| 802.11n<br>HT20 MIMO      | Ant1    | 5180            | 21.978         | 5168.933 | 5190.911 | ---        | PASS    |
|                           | Ant1    | 5200            | 21.804         | 5188.987 | 5210.791 | ---        | PASS    |
|                           | Ant1    | 5240            | 21.72          | 5229.029 | 5250.749 | ---        | PASS    |
|                           | Ant2    | 5180            | 22.266         | 5168.768 | 5191.034 | ---        | PASS    |
|                           | Ant2    | 5200            | 21.978         | 5188.984 | 5210.962 | ---        | PASS    |
|                           | Ant2    | 5240            | 21.723         | 5229.056 | 5250.779 | ---        | PASS    |
|                           | Ant3    | 5180            | 21.936         | 5168.96  | 5190.896 | ---        | PASS    |
|                           | Ant3    | 5200            | 21.939         | 5188.951 | 5210.89  | ---        | PASS    |
|                           | Ant3    | 5240            | 21.705         | 5229.05  | 5250.755 | ---        | PASS    |
|                           | Ant4    | 5180            | 21.936         | 5169.014 | 5190.95  | ---        | PASS    |
|                           | Ant4    | 5200            | 21.771         | 5189.059 | 5210.83  | ---        | PASS    |
|                           | Ant4    | 5240            | 21.813         | 5228.993 | 5250.806 | ---        | PASS    |
| 802.11n<br>HT40 MIMO      | Ant1    | 5190            | 39.912         | 5170.008 | 5209.02  | ---        | PASS    |
|                           | Ant1    | 5230            | 39.798         | 5210.14  | 5249.938 | ---        | PASS    |
|                           | Ant2    | 5190            | 40.632         | 5169.306 | 5209.938 | ---        | PASS    |
|                           | Ant2    | 5230            | 39.768         | 5210.092 | 5249.86  | ---        | PASS    |
|                           | Ant3    | 5190            | 39.816         | 5170.02  | 5209.836 | ---        | PASS    |
|                           | Ant3    | 5230            | 39.75          | 5210.182 | 5249.932 | ---        | PASS    |
|                           | Ant4    | 5190            | 39.762         | 5170.098 | 5209.86  | ---        | PASS    |
|                           | Ant4    | 5230            | 39.846         | 5210.05  | 5249.896 | ---        | PASS    |
| 802.11ac<br>VHT20<br>MIMO | Ant1    | 5180            | 21.864         | 5169.086 | 5190.95  | ---        | PASS    |
|                           | Ant1    | 5200            | 21.885         | 5188.984 | 5210.869 | ---        | PASS    |
|                           | Ant1    | 5240            | 21.72          | 5229.119 | 5250.839 | ---        | PASS    |
|                           | Ant2    | 5180            | 22.647         | 5168.378 | 5191.025 | ---        | PASS    |
|                           | Ant2    | 5200            | 21.924         | 5189.062 | 5210.986 | ---        | PASS    |
|                           | Ant2    | 5240            | 21.75          | 5229.164 | 5250.914 | ---        | PASS    |
|                           | Ant3    | 5180            | 21.954         | 5169.053 | 5191.007 | ---        | PASS    |
|                           | Ant3    | 5200            | 21.876         | 5189.065 | 5210.941 | ---        | PASS    |
|                           | Ant3    | 5240            | 21.807         | 5229.083 | 5250.89  | ---        | PASS    |

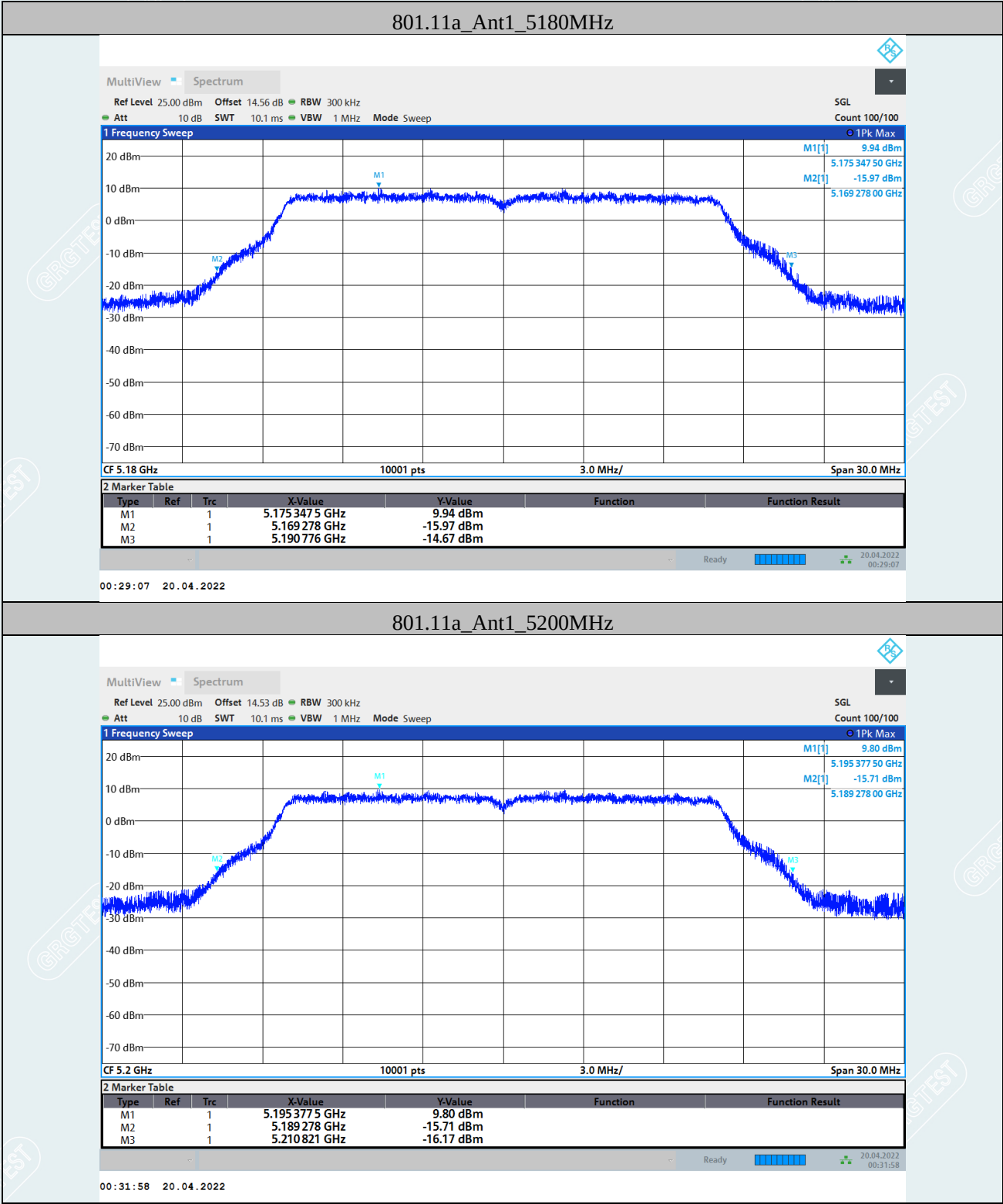
|                           |      |      |        |          |          |     |      |
|---------------------------|------|------|--------|----------|----------|-----|------|
|                           | Ant4 | 5180 | 21.879 | 5169.08  | 5190.959 | --- | PASS |
|                           | Ant4 | 5200 | 21.852 | 5189.041 | 5210.893 | --- | PASS |
|                           | Ant4 | 5240 | 21.738 | 5229.086 | 5250.824 | --- | PASS |
| 802.11ac<br>VHT40<br>MIMO | Ant1 | 5190 | 39.906 | 5169.972 | 5209.878 | --- | PASS |
|                           | Ant1 | 5230 | 39.918 | 5209.942 | 5249.86  | --- | PASS |
|                           | Ant2 | 5190 | 40.134 | 5169.93  | 5210.064 | --- | PASS |
|                           | Ant2 | 5230 | 39.858 | 5210.014 | 5249.872 | --- | PASS |
|                           | Ant3 | 5190 | 39.996 | 5169.996 | 5209.992 | --- | PASS |
|                           | Ant3 | 5230 | 39.684 | 5210.074 | 5249.758 | --- | PASS |
|                           | Ant4 | 5190 | 39.858 | 5170.086 | 5209.944 | --- | PASS |
|                           | Ant4 | 5230 | 39.87  | 5209.966 | 5249.836 | --- | PASS |
|                           | Ant4 | 5230 | 39.87  | 5209.966 | 5249.836 | --- | PASS |
| 802.11ac<br>VHT80<br>MIMO | Ant1 | 5210 | 79.98  | 5170.016 | 5249.996 | --- | PASS |
|                           | Ant2 | 5210 | 80.244 | 5169.944 | 5250.188 | --- | PASS |
|                           | Ant3 | 5210 | 80.088 | 5170.028 | 5250.116 | --- | PASS |
|                           | Ant4 | 5210 | 80.22  | 5169.86  | 5250.08  | --- | PASS |
| 802.11ax<br>HE20 MIMO     | Ant1 | 5180 | 21.894 | 5169.029 | 5190.923 | --- | PASS |
|                           | Ant1 | 5200 | 21.738 | 5189.059 | 5210.797 | --- | PASS |
|                           | Ant1 | 5240 | 21.687 | 5229.158 | 5250.845 | --- | PASS |
|                           | Ant2 | 5180 | 22.698 | 5168.345 | 5191.043 | --- | PASS |
|                           | Ant2 | 5200 | 21.867 | 5189.095 | 5210.962 | --- | PASS |
|                           | Ant2 | 5240 | 21.813 | 5229.074 | 5250.887 | --- | PASS |
|                           | Ant3 | 5180 | 21.879 | 5169.041 | 5190.92  | --- | PASS |
|                           | Ant3 | 5200 | 21.801 | 5189.092 | 5210.893 | --- | PASS |
|                           | Ant3 | 5240 | 21.801 | 5229.098 | 5250.899 | --- | PASS |
|                           | Ant4 | 5180 | 22.017 | 5168.927 | 5190.944 | --- | PASS |
|                           | Ant4 | 5200 | 21.84  | 5189.074 | 5210.914 | --- | PASS |
|                           | Ant4 | 5240 | 21.672 | 5229.131 | 5250.803 | --- | PASS |
| 802.11ax<br>HE40 MIMO     | Ant1 | 5190 | 39.78  | 5170.056 | 5209.836 | --- | PASS |
|                           | Ant1 | 5230 | 39.936 | 5209.978 | 5249.914 | --- | PASS |
|                           | Ant2 | 5190 | 41.214 | 5168.7   | 5209.914 | --- | PASS |
|                           | Ant2 | 5230 | 39.726 | 5210.17  | 5249.896 | --- | PASS |
|                           | Ant3 | 5190 | 39.912 | 5169.948 | 5209.86  | --- | PASS |
|                           | Ant3 | 5230 | 39.834 | 5210.092 | 5249.926 | --- | PASS |
|                           | Ant4 | 5190 | 39.726 | 5170.08  | 5209.806 | --- | PASS |
|                           | Ant4 | 5230 | 39.744 | 5210.098 | 5249.842 | --- | PASS |
| 802.11ax<br>HE80 MIMO     | Ant1 | 5210 | 80.436 | 5169.644 | 5250.08  | --- | PASS |
|                           | Ant2 | 5210 | 80.22  | 5169.956 | 5250.176 | --- | PASS |
|                           | Ant3 | 5210 | 80.256 | 5170.052 | 5250.308 | --- | PASS |
|                           | Ant4 | 5210 | 80.16  | 5169.92  | 5250.08  | --- | PASS |

**99% OCCUPIED BANDWIDTH**

| TestMode                  | Antenna | Frequency [MHz] | OCB [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|---------------------------|---------|-----------------|-----------|----------|----------|------------|---------|
| 802.11a                   | Ant1    | 5180            | 16.685    | 5171.660 | 5188.345 | ---        | PASS    |
|                           | Ant1    | 5200            | 16.698    | 5191.648 | 5208.346 | ---        | PASS    |
|                           | Ant1    | 5240            | 16.682    | 5231.659 | 5248.342 | ---        | PASS    |
|                           | Ant2    | 5180            | 16.741    | 5171.622 | 5188.363 | ---        | PASS    |
|                           | Ant2    | 5200            | 16.723    | 5191.629 | 5208.352 | ---        | PASS    |
|                           | Ant2    | 5240            | 16.685    | 5231.648 | 5248.332 | ---        | PASS    |
|                           | Ant3    | 5180            | 16.726    | 5171.624 | 5188.350 | ---        | PASS    |
|                           | Ant3    | 5200            | 16.707    | 5191.633 | 5208.341 | ---        | PASS    |
|                           | Ant3    | 5240            | 16.682    | 5231.644 | 5248.326 | ---        | PASS    |
|                           | Ant4    | 5180            | 16.699    | 5171.632 | 5188.332 | ---        | PASS    |
|                           | Ant4    | 5200            | 16.696    | 5191.628 | 5208.324 | ---        | PASS    |
|                           | Ant4    | 5240            | 16.689    | 5231.633 | 5248.322 | ---        | PASS    |
| 802.11n<br>HT20<br>MIMO   | Ant1    | 5180            | 17.882    | 5170.988 | 5188.870 | ---        | PASS    |
|                           | Ant1    | 5200            | 17.89     | 5190.981 | 5208.871 | ---        | PASS    |
|                           | Ant1    | 5240            | 17.882    | 5230.996 | 5248.878 | ---        | PASS    |
|                           | Ant2    | 5180            | 17.931    | 5170.972 | 5188.904 | ---        | PASS    |
|                           | Ant2    | 5200            | 17.887    | 5190.997 | 5208.885 | ---        | PASS    |
|                           | Ant2    | 5240            | 17.863    | 5231.015 | 5248.879 | ---        | PASS    |
|                           | Ant3    | 5180            | 17.897    | 5170.990 | 5188.886 | ---        | PASS    |
|                           | Ant3    | 5200            | 17.889    | 5190.987 | 5208.876 | ---        | PASS    |
|                           | Ant3    | 5240            | 17.872    | 5231.007 | 5248.879 | ---        | PASS    |
|                           | Ant4    | 5180            | 17.897    | 5170.980 | 5188.878 | ---        | PASS    |
|                           | Ant4    | 5200            | 17.885    | 5190.983 | 5208.868 | ---        | PASS    |
|                           | Ant4    | 5240            | 17.862    | 5230.999 | 5248.862 | ---        | PASS    |
| 802.11n<br>HT40<br>MIMO   | Ant1    | 5190            | 36.401    | 5171.738 | 5208.139 | ---        | PASS    |
|                           | Ant1    | 5230            | 36.384    | 5211.749 | 5248.133 | ---        | PASS    |
|                           | Ant2    | 5190            | 36.426    | 5171.736 | 5208.163 | ---        | PASS    |
|                           | Ant2    | 5230            | 36.395    | 5211.784 | 5248.179 | ---        | PASS    |
|                           | Ant3    | 5190            | 36.414    | 5171.753 | 5208.168 | ---        | PASS    |
|                           | Ant3    | 5230            | 36.386    | 5211.805 | 5248.191 | ---        | PASS    |
|                           | Ant4    | 5190            | 36.384    | 5171.743 | 5208.127 | ---        | PASS    |
|                           | Ant4    | 5230            | 36.357    | 5211.760 | 5248.117 | ---        | PASS    |
| 802.11ac<br>VHT20<br>MIMO | Ant1    | 5180            | 17.869    | 5171.021 | 5188.891 | ---        | PASS    |
|                           | Ant1    | 5200            | 17.846    | 5191.030 | 5208.876 | ---        | PASS    |
|                           | Ant1    | 5240            | 17.848    | 5231.035 | 5248.882 | ---        | PASS    |
|                           | Ant2    | 5180            | 17.894    | 5171.016 | 5188.910 | ---        | PASS    |
|                           | Ant2    | 5200            | 17.88     | 5191.018 | 5208.898 | ---        | PASS    |
|                           | Ant2    | 5240            | 17.852    | 5231.041 | 5248.893 | ---        | PASS    |
|                           | Ant3    | 5180            | 17.869    | 5171.025 | 5188.894 | ---        | PASS    |
|                           | Ant3    | 5200            | 17.856    | 5191.028 | 5208.884 | ---        | PASS    |
|                           | Ant3    | 5240            | 17.844    | 5231.044 | 5248.888 | ---        | PASS    |
|                           | Ant4    | 5180            | 17.871    | 5171.017 | 5188.888 | ---        | PASS    |
|                           | Ant4    | 5200            | 17.852    | 5191.025 | 5208.877 | ---        | PASS    |
|                           | Ant4    | 5240            | 17.84     | 5231.034 | 5248.875 | ---        | PASS    |
| 802.11ac<br>VHT40<br>MIMO | Ant1    | 5190            | 36.386    | 5171.742 | 5208.128 | ---        | PASS    |
|                           | Ant1    | 5230            | 36.387    | 5211.746 | 5248.133 | ---        | PASS    |
|                           | Ant2    | 5190            | 36.404    | 5171.756 | 5208.160 | ---        | PASS    |
|                           | Ant2    | 5230            | 36.38     | 5211.796 | 5248.176 | ---        | PASS    |
|                           | Ant3    | 5190            | 36.41     | 5171.756 | 5208.167 | ---        | PASS    |
|                           | Ant3    | 5230            | 36.392    | 5211.781 | 5248.172 | ---        | PASS    |

|                           |      |      |        |          |          |     |      |
|---------------------------|------|------|--------|----------|----------|-----|------|
| 802.11ac<br>VHT80<br>MIMO | Ant4 | 5190 | 36.409 | 5171.732 | 5208.141 | --- | PASS |
|                           | Ant4 | 5230 | 36.354 | 5211.773 | 5248.127 | --- | PASS |
|                           | Ant1 | 5210 | 75.713 | 5172.043 | 5247.755 | --- | PASS |
|                           | Ant2 | 5210 | 75.755 | 5172.153 | 5247.908 | --- | PASS |
|                           | Ant3 | 5210 | 75.738 | 5172.164 | 5247.902 | --- | PASS |
|                           | Ant4 | 5210 | 75.674 | 5172.083 | 5247.757 | --- | PASS |
| 802.11ax<br>HE20<br>MIMO  | Ant1 | 5180 | 17.859 | 5171.024 | 5188.883 | --- | PASS |
|                           | Ant1 | 5200 | 17.846 | 5191.029 | 5208.875 | --- | PASS |
|                           | Ant1 | 5240 | 17.846 | 5231.034 | 5248.881 | --- | PASS |
|                           | Ant2 | 5180 | 17.887 | 5171.018 | 5188.905 | --- | PASS |
|                           | Ant2 | 5200 | 17.87  | 5191.025 | 5208.894 | --- | PASS |
|                           | Ant2 | 5240 | 17.86  | 5231.039 | 5248.899 | --- | PASS |
|                           | Ant3 | 5180 | 17.873 | 5171.027 | 5188.900 | --- | PASS |
|                           | Ant3 | 5200 | 17.852 | 5191.035 | 5208.887 | --- | PASS |
|                           | Ant3 | 5240 | 17.846 | 5231.043 | 5248.888 | --- | PASS |
|                           | Ant4 | 5180 | 17.867 | 5171.016 | 5188.883 | --- | PASS |
|                           | Ant4 | 5200 | 17.858 | 5191.020 | 5208.878 | --- | PASS |
|                           | Ant4 | 5240 | 17.84  | 5231.038 | 5248.878 | --- | PASS |
| 802.11ax<br>HE40<br>MIMO  | Ant1 | 5190 | 36.394 | 5171.728 | 5208.122 | --- | PASS |
|                           | Ant1 | 5230 | 36.359 | 5211.760 | 5248.119 | --- | PASS |
|                           | Ant2 | 5190 | 36.428 | 5171.740 | 5208.168 | --- | PASS |
|                           | Ant2 | 5230 | 36.362 | 5211.790 | 5248.153 | --- | PASS |
|                           | Ant3 | 5190 | 36.376 | 5171.764 | 5208.140 | --- | PASS |
|                           | Ant3 | 5230 | 36.393 | 5211.786 | 5248.179 | --- | PASS |
|                           | Ant4 | 5190 | 36.369 | 5171.750 | 5208.118 | --- | PASS |
|                           | Ant4 | 5230 | 36.348 | 5211.762 | 5248.110 | --- | PASS |
| 802.11ax<br>HE80<br>MIMO  | Ant1 | 5210 | 75.695 | 5172.025 | 5247.720 | --- | PASS |
|                           | Ant2 | 5210 | 75.712 | 5172.141 | 5247.853 | --- | PASS |
|                           | Ant3 | 5210 | 75.708 | 5172.144 | 5247.852 | --- | PASS |
|                           | Ant4 | 5210 | 75.677 | 5172.053 | 5247.730 | --- | PASS |

26DB BANDWIDTH



801.11a\_Ant1\_5200MHz

MultiView Spectrum

Ref Level 25.00 dBm Offset 14.53 dB RBW 300 kHz  
Att 10 dB SWT 10.1 ms VBW 1 MHz Mode Sweep

SGL  
Count 100/100

1 Frequency Sweep

20 dBm  
10 dBm  
0 dBm  
-10 dBm  
-20 dBm  
-30 dBm  
-40 dBm  
-50 dBm  
-60 dBm  
-70 dBm

M1

M2

M3

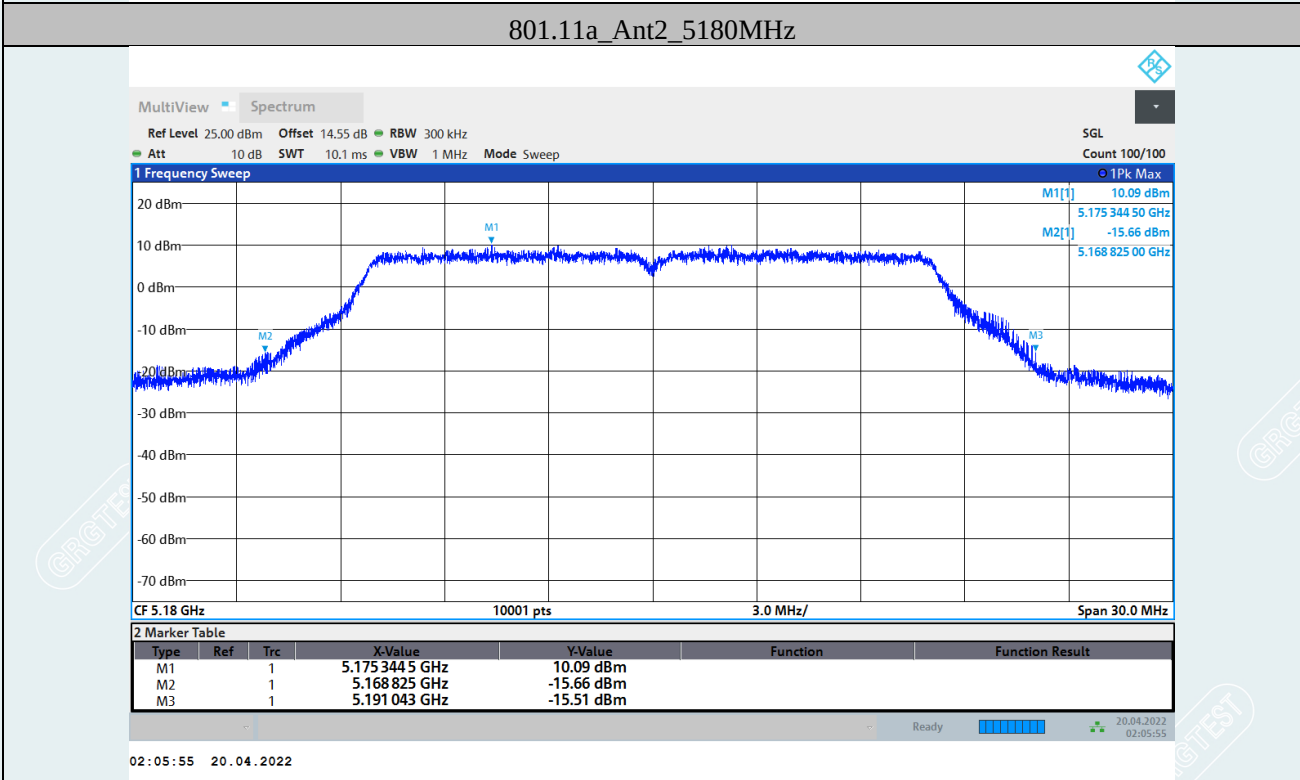
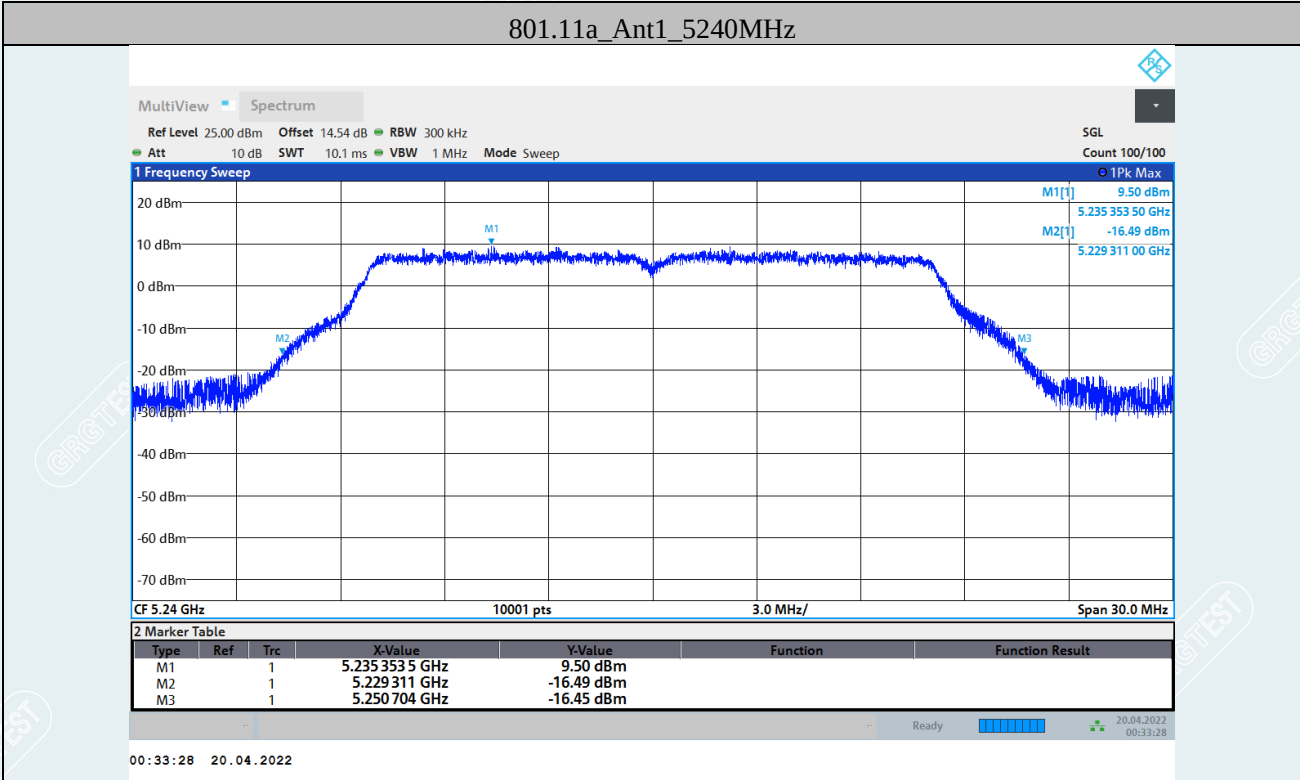
M1[1] 9.80 dBm  
5.195 377 50 GHz  
M2[1] -15.71 dBm  
5.189 278 00 GHz

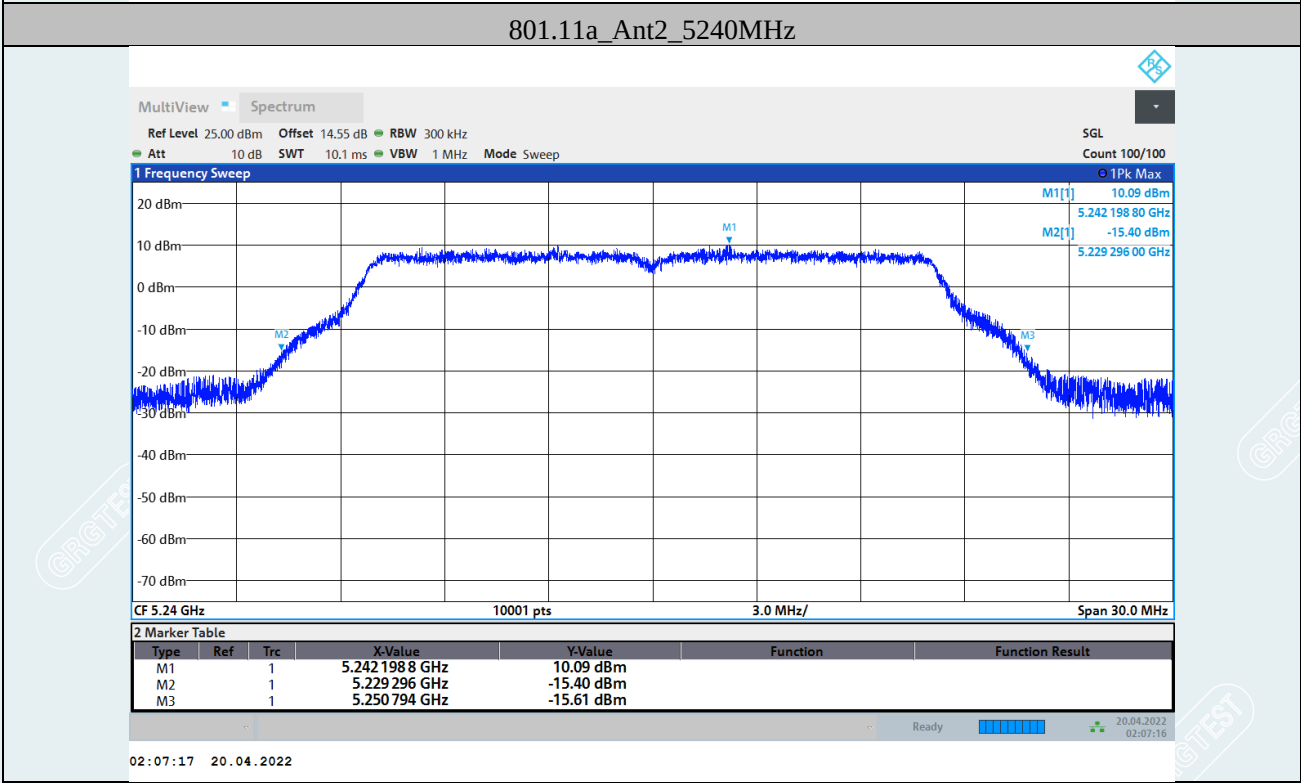
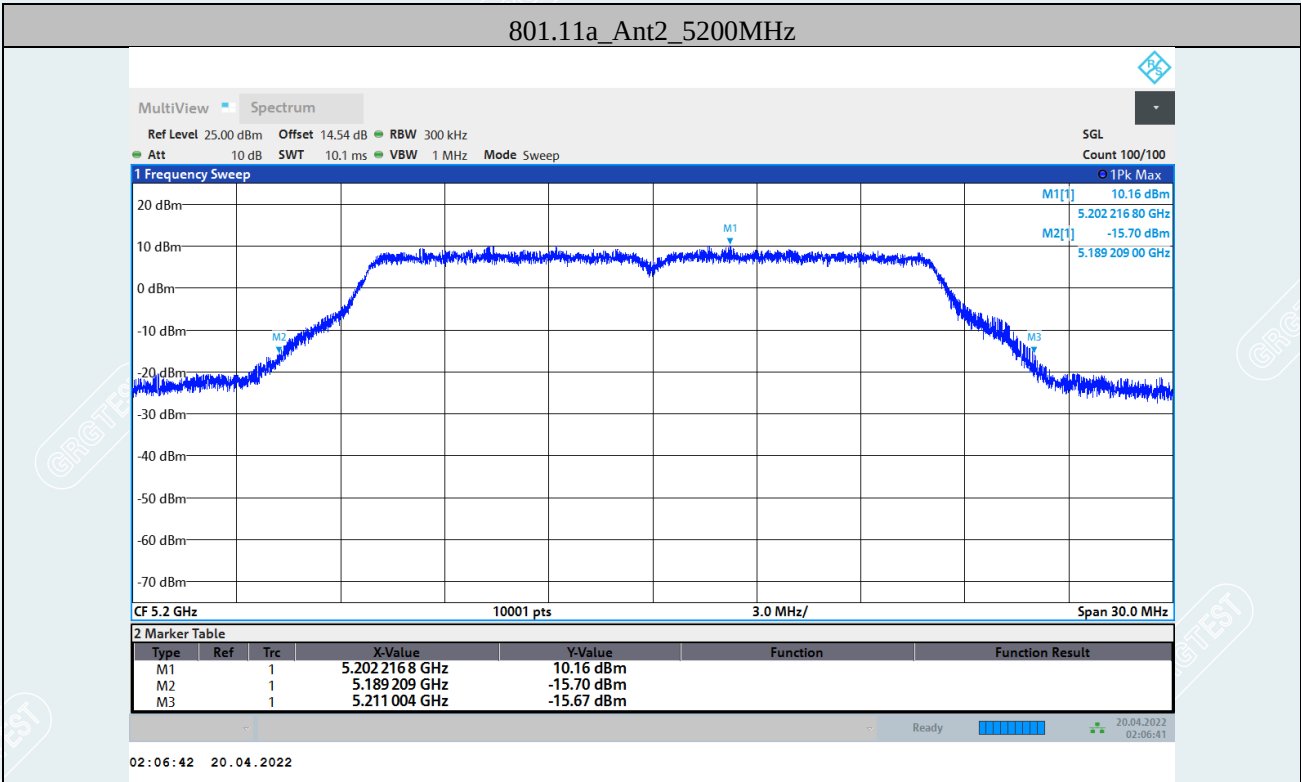
CF 5.2 GHz 10001 pts 3.0 MHz/ Span 30.0 MHz

2 Marker Table

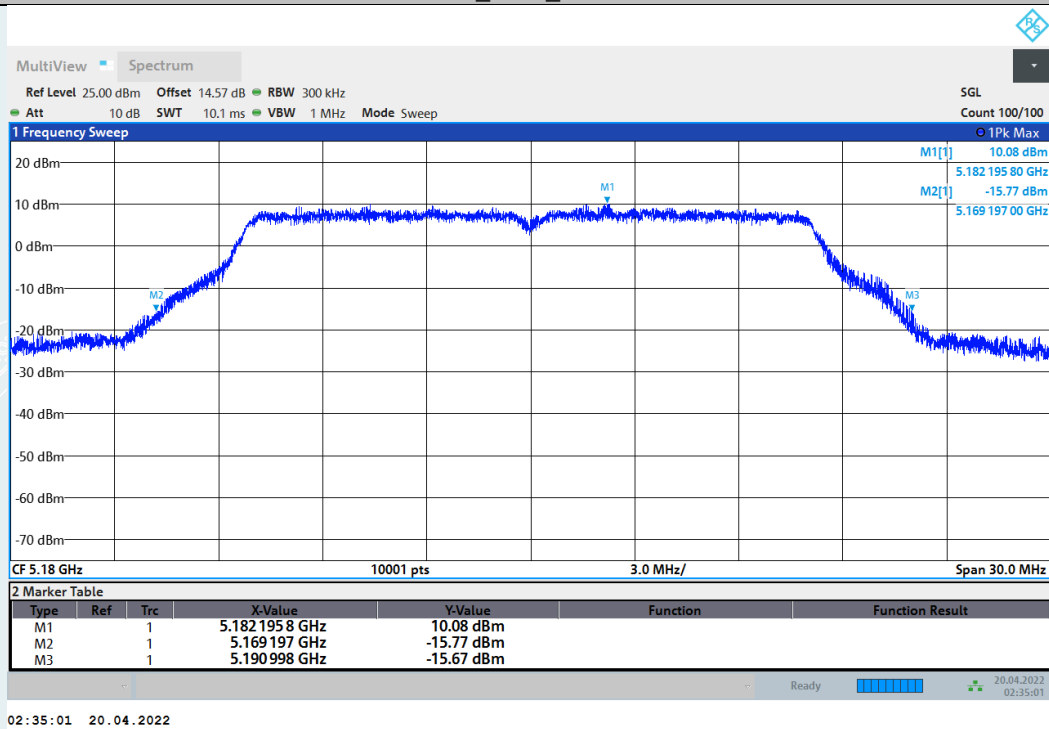
Ready 20.04.2022 00:31:58

00:31:58 20.04.2022

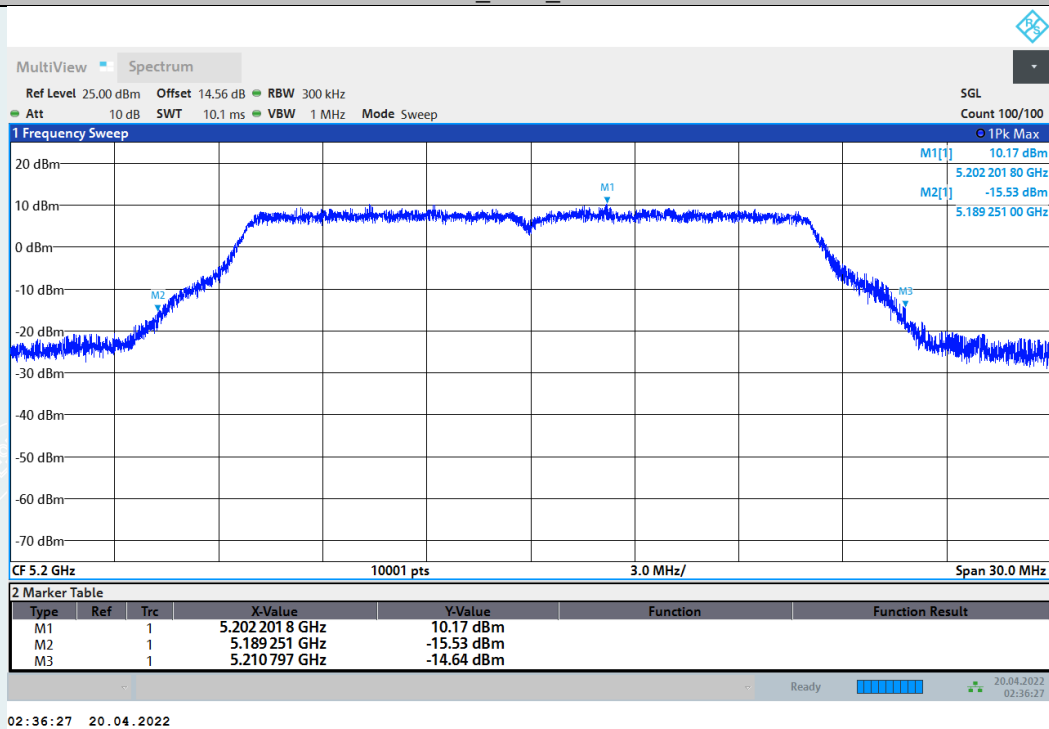


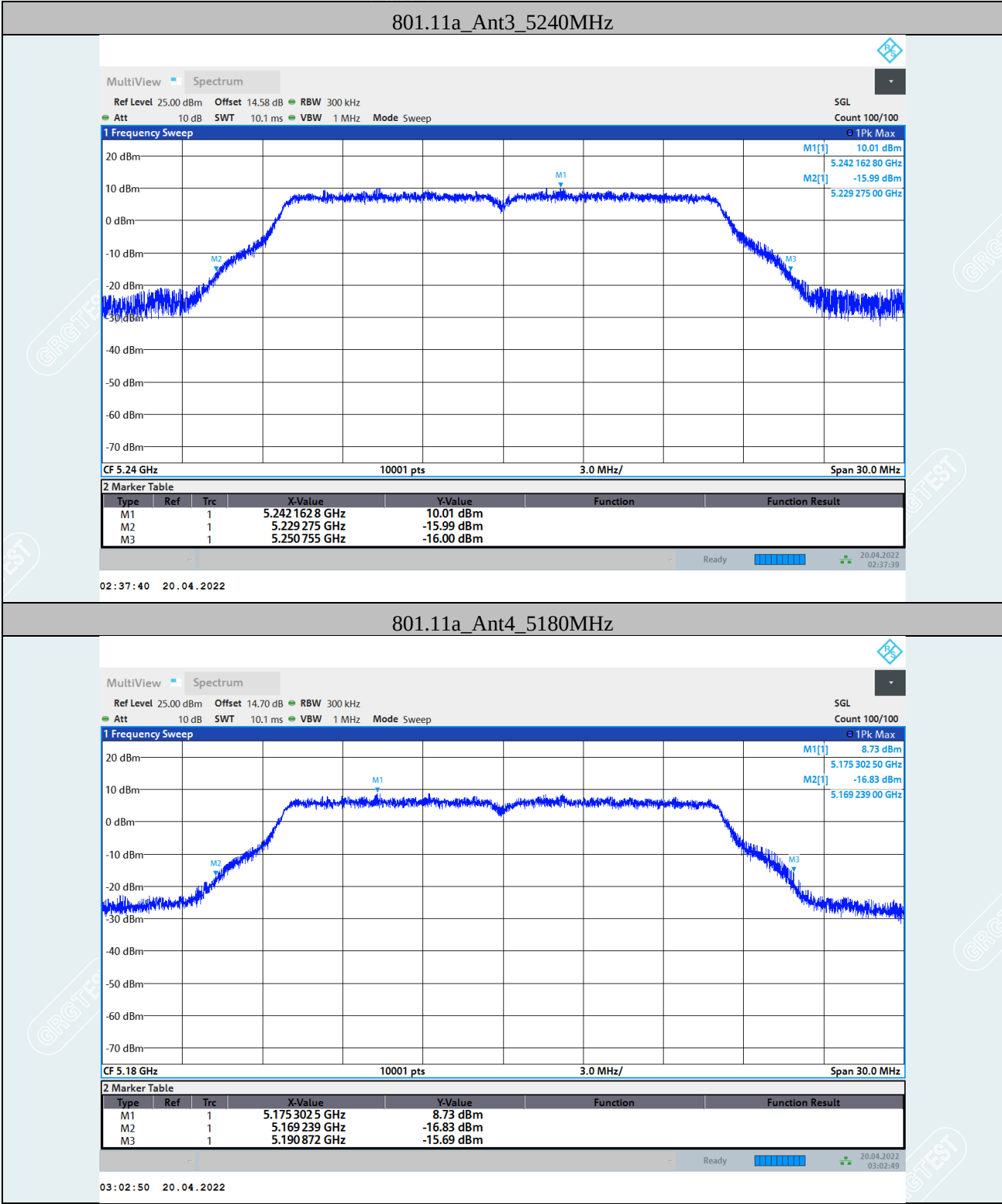


## 801.11a\_Ant3\_5180MHz



## 801.11a\_Ant3\_5200MHz





801.11a\_Ant4\_5180MHz

MultiView Spectrum

Ref Level 25.00 dBm Offset 14.70 dB RBW 300 kHz  
Att 10 dB SWT 10.1 ms VBW 1 MHz Mode Sweep

SGL  
Count 100/100

1 Frequency Sweep

20 dBm  
10 dBm  
0 dBm  
-10 dBm  
-20 dBm  
-30 dBm  
-40 dBm  
-50 dBm  
-60 dBm  
-70 dBm

M1

M2

M3

8.73 dBm  
5.175 302 50 GHz  
-16.83 dBm  
5.169 239 00 GHz

CF 5.18 GHz 10001 pts 3.0 MHz/ Span 30.0 MHz

2 Marker Table

Ready 20.04.2022 03:02:49

03:02:50 20.04.2022