



# TEST REPORT

**FCC ID: OM7VRP**

Applicant : Shenzhen HouTian Network Communication Technology Co., Ltd  
Address : RM421,Area 3,Block B,Mingyou Industrial product purchasing center,  
Baoyuan Road,Bao'an District, China

**Equipment under Test (EUT):**

Name : WiFi Repeater  
Model : VRP5G

**Standards** : FCC PART 15, SUBPART C : 2015 (Section 15.247)  
ANSI C63.10:2013

**Report No.** : T1860042 06

**Date of Test** : January 07, 2016- January 15, 2016

**Date of Issue** : January 18, 2016

**Test Result :**

**PASS \***

\* In the configuration tested, the EUT complied with the standards specified above  
Authorized Signature

(Mark Zhu)  
Manager

The manufacture should ensure that all the products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of Shenzhen Alpha Product Testing Co., Ltd. Or test done by Shenzhen Alpha Product Testing Co., Ltd. Approvals in connection with, distribution or use of the product described in this report must be approved by Shenzhen Alpha Product Testing Co., Ltd. Approvals in writing.

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## 1. General Information

### 1.1 Description of Device (EUT)

Trade Name : 

EUT : WiFi Repeater

Model No. VRP5G

DIFF : N/A

Antenna Type : PCB Antenna, 2PCS of Maximum Gain 5dBi for WLAN

Operation Frequency : IEEE 802.11b/g: 2412MHz-2462MHz  
IEEE 802.11n HT20: 2412MHz-2462MHz  
IEEE 802.11n HT40: 2422MHz-2452MHz  
IEEE 802.11b/g: 11Channels

Channel number : IEEE 802.11n HT20: 11 Channels  
IEEE 802.11n HT40: 7Channels  
IEEE 802.11b: DSSS(CCK,DQPSK,DBPSK)

Modulation type : IEEE 802.11g: OFDM(64QAM, 16QAM, QPSK, BPSK)  
IEEE 802.11n : OFDM(64QAM, 16QAM, QPSK, BPSK)

Power Supply : AC 120V/60Hz

Applicant : Shenzhen HouTian Network Communication Technology Co., Ltd

Address : RM421,Area 3,Block B,Mingyou Industrial product purchasing center,  
Baoyuan Road,Bao'an District, China

Manufacture : Shenzhen HouTian Network Communication Technology Co., Ltd

Address : RM421,Area 3,Block B,Mingyou Industrial product purchasing center,  
Baoyuan Road,Bao'an District, China

## 1.2 Description of Test Facility

Shenzhen Alpha Product Testing Co., Ltd  
Building B, East Area of Nanchang Second, Industrial Zone, Gushu 2nd Road,  
Bao'an, Shenzhen, China

August 11, 2014 File on Federal Communication Commission  
Registration Number: 203110

July 18, 2014 Certificated by IC  
Registration Number: 12135A

## 2 EMC Equipment List

| Equipment              | Manufacture   | Model No.               | Serial No.        | Last cal.  | Cal Interval |
|------------------------|---------------|-------------------------|-------------------|------------|--------------|
| 3m Semi-Anechoic       | ETS-LINDGREN  | N/A                     | SEL0017           | 2015.01.19 | 1Year        |
| Spectrum analyzer      | Agilent       | E4407B                  | MY46185649        | 2015.01.19 | 1Year        |
| Receiver               | R&S           | ESCI                    | 1166.5950K03-1011 | 2015.01.19 | 1Year        |
| Receiver               | R&S           | ESCI                    | 101202            | 2015.01.19 | 1Year        |
| Bilog Antenna          | Schwarzbeck   | VULB 9168               | VULB9168-438      | 2015.01.21 | 1Year        |
| Horn Antenna           | EMCO          | 3115                    | 640201028-06      | 2015.01.21 | 1Year        |
| Active Loop Antenna    | Beijing Daze  | ZN30900A                | SEL0097           | 2015.01.21 | 1Year        |
| Cable                  | Resenberger   | N/A                     | No.1              | 2015.01.19 | 1Year        |
| Cable                  | SCHWARZBECK   | N/A                     | No.2              | 2015.01.19 | 1Year        |
| Cable                  | SCHWARZBECK   | N/A                     | No.3              | 2015.01.19 | 1Year        |
| Pre-amplifier          | Schwarzbeck   | BBV9743                 | 9743-019          | 2015.01.19 | 1Year        |
| Pre-amplifier          | R&S           | AFS33-18002650-30-8P-44 | SEL0080           | 2015.01.19 | 1Year        |
| Base station           | Agilent       | E5515C                  | GB44300243        | 2015.01.19 | 1 Year       |
| Temperature controller | Terchy        | MHQ                     | 120               | 2015.01.19 | 1Year        |
| Power divider          | Anritsu       | K240C                   | 020346            | 2015.01.19 | 1 Year       |
| Signal Generator       | HP            | 83732B                  | VS3449051         | 2015.01.19 | 1 Year       |
| Power Meter            | Anritsu       | ML2487A                 | 6K00001491        | 2015.01.19 | 1Year        |
| Power sensor           | Anritsu       | ML2491A                 | 32516             | 2015.01.19 | 1Year        |
| L.I.S.N.#1             | Schwarzbeck   | NSLK8126                | 8126466           | 2015.01.19 | 1Year        |
| L.I.S.N.#2             | ROHDE&SCHWARZ | ENV216                  | 101043            | 2015.01.19 | 1 Year       |

### 3 Test Procedure

**POWER LINE CONDUCTED INTERFERENCE:** The test procedure used was ANSI C63.10:2013 using a 50 u H LISN. Both Lines were observed. The bandwidth of the receiver was 10kHz with an appropriate sweep speed. The ambient temperature of the EUT was 25°C with a humidity of 58%.

**RADIATION INTERFERENCE:** The test procedure used was ANSI Standard ANSI C63.10:2013 using a ANRITSU spectrum analyzer with a pre-selector. The analyzer was calibrated in dB above a micro volt at the output of the antenna. The resolution bandwidth was 100kHz and the video bandwidth was 300 kHz up to 1 GHz and 1 MHz with a video BW of 3MHz above 1 GHz. The ambient temperature of the EUT was 25°C with a humidity of 58%.

**FORMULA OF CONVERSION FACTORS:** The Field Strength at 3m was established by adding the meter reading of the spectrum analyzer (which is set to read in units of dBuV) to the antenna correction factor supplied by the antenna manufacturer and cable loss. The antenna correction factors and cable loss are stated in terms of dB. The gain of the Pre-selector was accounted for in the Spectrum Analyzer Meter Reading.

Example:

Freq (MHz) METER READING + ACF + CABLE = FS  
33.20 dBuV + 10.36 dB + 0.9 dB= 44.46 dBuV/m @ 3m

**ANSI STANDARD C63.10:2013 MEASUREMENT PROCEDURES:** The EUT was placed on a table 80 cm high and with dimensions of 1m by 1.5m. The EUT was placed in the center of the table (1.5m side). The table used for radiated measurements is capable of continuous rotation. When an emission was found, the table was rotated to produce the maximum signal strength. At this point, the antenna was raised and lowered from 1m to 4m. The antenna was placed in both the horizontal and vertical planes. The situation was similar for the conducted measurement except that the table did not rotate. The EUT was setup as described in ANSI Standard C63.10:2013 10.1.7 with the EUT 40 cm from the vertical ground wall.

## 4 Summary of Measurement

### 4.1 Summary of test result

| Test Item           | Test Requirement | Standards Paragraph           | Result     |
|---------------------|------------------|-------------------------------|------------|
| Spurious Emission   | FCC PART 15:2015 | Section 15.247&15.209         | Compliance |
| Conduction Emission | FCC PART 15:2015 | Section 15.207&               | Compliance |
| Bandwidth Test      | FCC PART 15:2015 | Section 15.247                | Compliance |
| Peak Power          | FCC PART 15:2015 | Section 15.247                | Compliance |
| Power Density       | FCC PART 15:2015 | Section 15.247                | Compliance |
| Band Edge           | FCC PART 15:2015 | Section 15.247<br>Section 5.5 | Compliance |
| Antenna Requirement | FCC PART 15:2015 | Section 15.203                | Compliance |

Note: The EUT has been tested as an independent unit. And Continual Transmitting in maximum power (The adapter be used during Test)

### 4.2 Test connection



### 4.3 Assistant equipment used for test

|                  |   |          |
|------------------|---|----------|
| Description      | : | Notebook |
| Manufacturer     | : | ACER     |
| Model No.        | : | ZQT      |
| FCC DoC Approved |   |          |

### 4.4 Test mode

| Dutycycle :100%<br>Keeping TX                                                                                                       |                               |             |                    |
|-------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------|--------------------|
| Mode                                                                                                                                | data rate<br>(Mbps)(see Note) | Channel     | Frequency<br>(MHz) |
| IEEE 802.11b                                                                                                                        | 1                             | Low :CH1    | 2412               |
|                                                                                                                                     | 1                             | Middle: CH6 | 2437               |
|                                                                                                                                     | 1                             | High: CH11  | 2462               |
| IEEE 802.11g                                                                                                                        | 6                             | Low :CH1    | 2412               |
|                                                                                                                                     | 6                             | Middle: CH6 | 2437               |
|                                                                                                                                     | 6                             | High: CH11  | 2462               |
| IEEE 802.11<br>n/HT20 with 2.4G                                                                                                     | 6.5                           | Low :CH1    | 2412               |
|                                                                                                                                     | 6.5                           | Middle: CH6 | 2437               |
|                                                                                                                                     | 6.5                           | High: CH11  | 2462               |
| IEEE 802.11<br>n/HT40 with 2.4G                                                                                                     | 13.5                          | Low :CH3    | 2422               |
|                                                                                                                                     | 13.5                          | Middle:CH6  | 2437               |
|                                                                                                                                     | 13.5                          | High:CH9    | 2452               |
| Note: According exploratory test, EUT will have maximum output power in those data rate. so those data rate were used for all test. |                               |             |                    |
| Note: Only 802.11n Mode can keep in MIMO mode.                                                                                      |                               |             |                    |

### 4.5 Channel list

| For IEEE 802.11b/g and IEEE 802.11n/HT20 with 2.4G |                    |         |                    |         |                    |
|----------------------------------------------------|--------------------|---------|--------------------|---------|--------------------|
| Channel                                            | Frequency<br>(MHz) | Channel | Frequency<br>(MHz) | Channel | Frequency<br>(MHz) |
| CH1                                                | 2412               | CH5     | 2432               | CH9     | 2452               |
| CH2                                                | 2417               | CH6     | 2437               | CH10    | 2457               |
| CH3                                                | 2422               | CH7     | 2442               | CH11    | 2462               |
| CH4                                                | 2427               | CH8     | 2447               |         |                    |

| For IEEE 802.11n/HT40 with 2.4G |                 |         |                 |         |                 |
|---------------------------------|-----------------|---------|-----------------|---------|-----------------|
| Channel                         | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| CH1                             | /               | CH5     | 2432            | CH9     | 2452            |
| CH2                             | /               | CH6     | 2437            | /       | /               |
| CH3                             | 2422            | CH7     | 2442            | /       | /               |
| CH4                             | 2427            | CH8     | 2447            | /       | /               |

#### 4.6 Test Conditions

|                   |           |
|-------------------|-----------|
| Temperature range | 21-25°C   |
| Humidity range    | 40-75%    |
| Pressure range    | 86-106kPa |

#### 4.7 Measurement Uncertainty (95% confidence levels, k=2)

| Item                                                                  | MU                 | Remark      |
|-----------------------------------------------------------------------|--------------------|-------------|
| Uncertainty for Power point Conducted Emissions Test                  | 2.42dB             |             |
| Uncertainty for Radiation Emission test in 3m chamber (below 30MHz)   | 2.13 dB            | Polarize: V |
|                                                                       | 2.57dB             | Polarize: H |
| Uncertainty for Radiation Emission test in 3m chamber (30MHz to 1GHz) | 3.54dB             | Polarize: V |
|                                                                       | 4.1dB              | Polarize: H |
| Uncertainty for Radiation Emission test in 3m chamber (1GHz to 25GHz) | 2.08dB             | Polarize: H |
|                                                                       | 2.56dB             | Polarize: V |
| Uncertainty for radio frequency                                       | $1 \times 10^{-9}$ |             |
| Uncertainty for conducted RF Power                                    | 0.65dB             |             |
| Uncertainty for temperature                                           | 0.2°C              |             |
| Uncertainty for humidity                                              | 1%                 |             |
| Uncertainty for DC and low frequency voltages                         | 0.06%              |             |

## 5 Spurious Emission

### 5.1 Radiation Emission

#### 5.1.1 Radiation Emission Limits(15.209)

| Frequencies<br>(MHz) | Field Strength<br>(micorvolts/meter) | Measurement Distance<br>(meters) |
|----------------------|--------------------------------------|----------------------------------|
| 0.009~0.490          | 2400/F(KHz)                          | 300                              |
| 0.490~1.705          | 24000/F(KHz)                         | 30                               |
| 1.705~30.0           | 30                                   | 30                               |
| 30~88                | 100                                  | 3                                |
| 88~216               | 150                                  | 3                                |
| 216~960              | 200                                  | 3                                |
| Above 960            | 500                                  | 3                                |

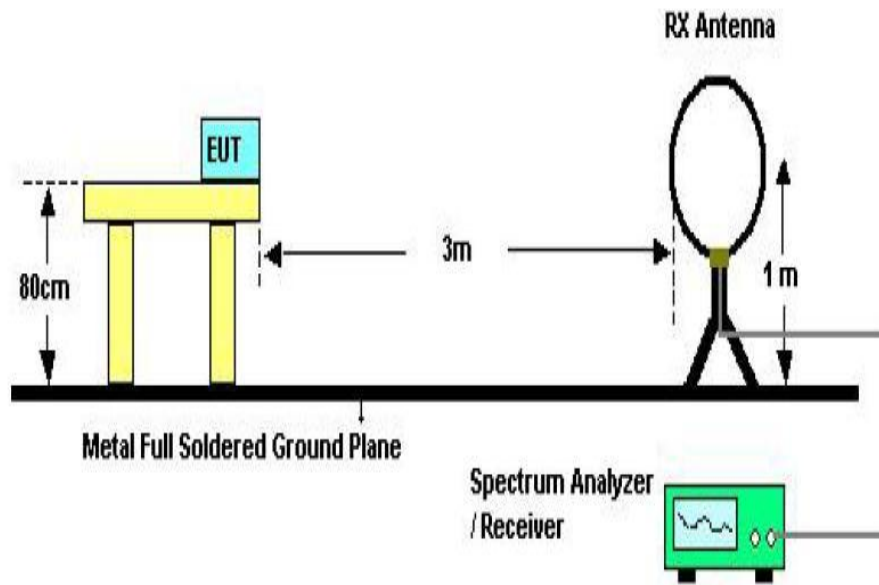
Harmonic emissions limits comply with below 54 dBuV/m at 3m. Other emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or comply with the radiated emissions limits specified in section 15.209(a) limit in the table below has to be followed.

**NOTE:**

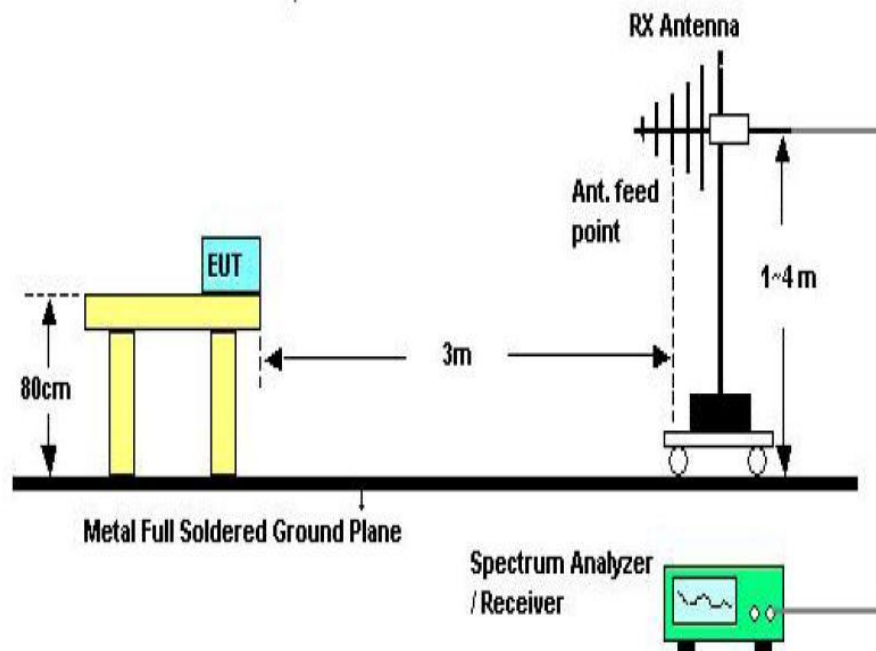
- a) The tighter limit applies at the band edges.
- b)  $\text{Emission Level(dB uV/m)} = 20 \log \text{Emission Level(uv/m)}$

#### 5.1.2 Test Setup

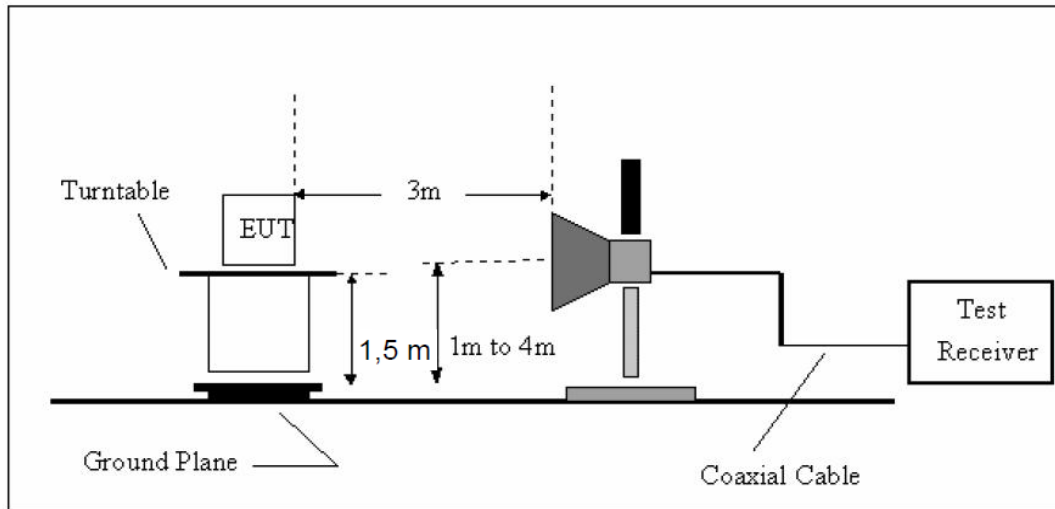
See the next page



Below 30MHz Test Setup



Above 30MHz Test Setup



Above 1GHz Test Setup

### 5.1.3 Test Procedure

- The measuring distance of 3m shall be used for measurements at frequency up to 1GHz and above 1GHz, The EUT was placed on a rotating 0.8 m high above ground for below 1GHz and 1.5m high for above1GHz testing, The table was rotated 360 degrees to determine the position of the highest radiation
- The Test antenna shall vary between 1m and 4m,Both Horizontal and Vertical antenna are set of make measurement.
- The initial step in collecting conducted emission data is a spectrum analyzer Peak detector mode pre-scanning the measurement frequency range. Significant Peaks are then marked. and then Qusia Peak Detector mode premeasured
- If Peak value comply with QP limit Below 1GHz.The EUT deemed to comply with QP limit. But the Peak value and average value both need to comply with applicable limit above 1GHz.
- For the actual test configuration, please see the test setup photo.

### 5.1.4 Test Equipment Setting For emission test Result

|              |            |            |
|--------------|------------|------------|
| 9KHz~150KHz  | RBW 200Hz  | VBW1KHz    |
| 150KHz~30MHz | RBW 9KHz   | VBW 30KHz  |
| 30MHz~1GHz   | RBW 120KHz | VBW 300KHz |

Above 1GHz

RBW 1MHz

VBW 3MHz

#### 5.1.5 Test Condition

Continual Transmitting in maximum power.

#### 5.1.6 Test Result

##### TX MODE

All modes have been tested , and only worse case of 802.11 b mode is reported only.

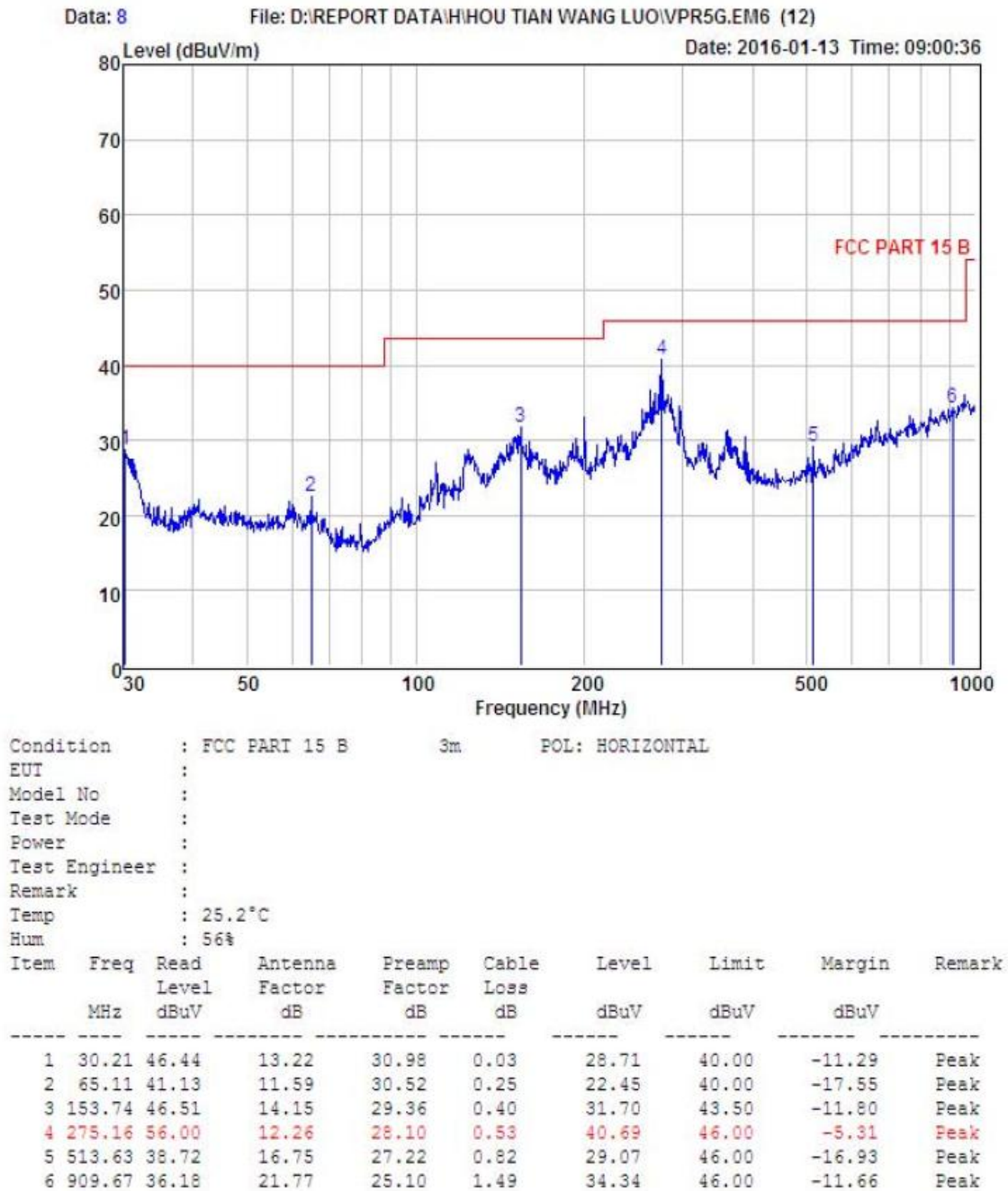
We have scanned the 9KHz from 25GHz to the EUT.

Detailed information please see the following page.

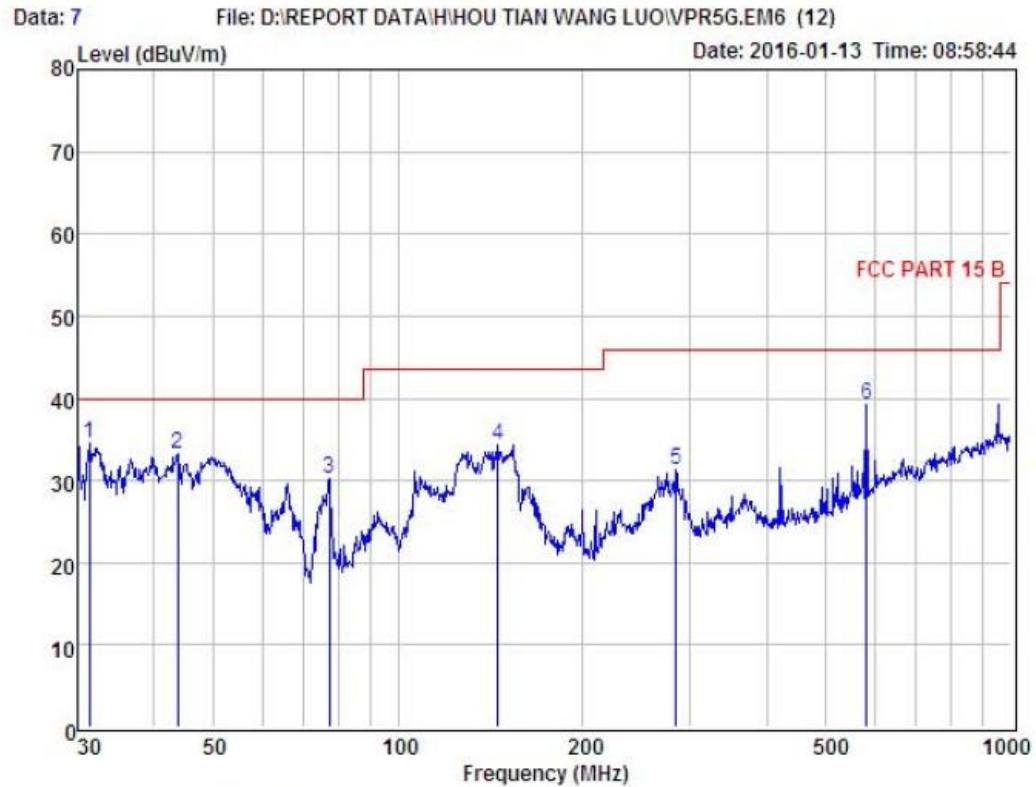
From 9KHz to 30MHz:      Conclusion: PASS

Note: The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

802.11b ant1:



Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss

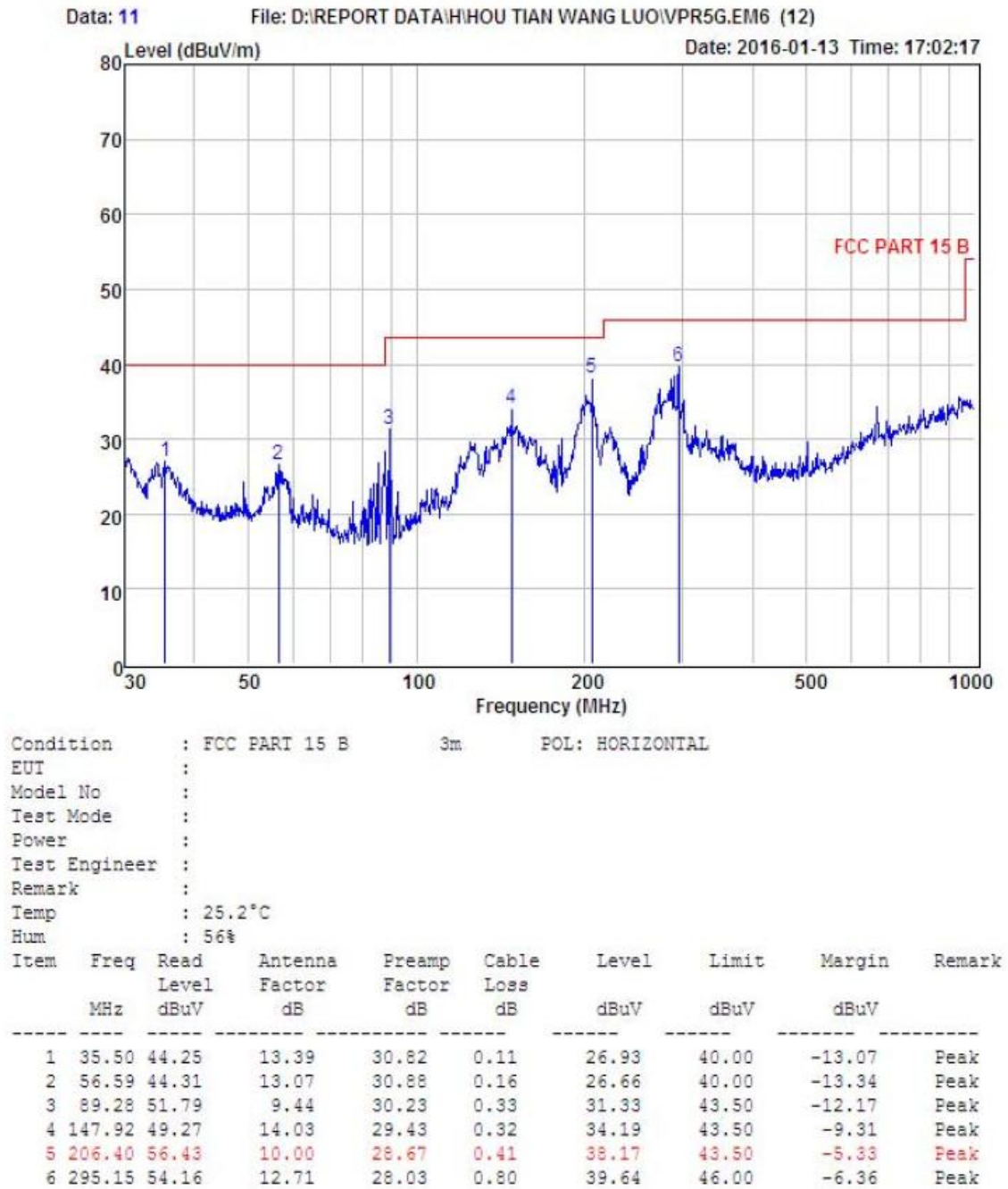


Condition : FCC PART 15 B 3m POL: VERTICAL  
 EUT :  
 Model No :  
 Test Mode :  
 Power :  
 Test Engineer :  
 Remark :  
 Temp : 25.2°C  
 Hum : 56%

| Item | Freq<br>MHz | Read<br>Level<br>dBuV | Antenna<br>Factor<br>dB | Preamp<br>Factor<br>dB | Cable<br>Loss<br>dB | Level<br>dBuV | Limit<br>dBuV | Margin<br>dBuV | Remark |
|------|-------------|-----------------------|-------------------------|------------------------|---------------------|---------------|---------------|----------------|--------|
| 1    | 31.40       | 52.11                 | 13.28                   | 30.98                  | 0.07                | 34.48         | 40.00         | -5.52          | Peak   |
| 2    | 43.66       | 49.73                 | 13.79                   | 30.40                  | 0.09                | 33.21         | 40.00         | -6.79          | Peak   |
| 3    | 77.32       | 50.43                 | 9.60                    | 30.06                  | 0.29                | 30.26         | 40.00         | -9.74          | Peak   |
| 4    | 145.35      | 49.54                 | 13.77                   | 29.41                  | 0.44                | 34.34         | 43.50         | -9.16          | Peak   |
| 5    | 283.98      | 46.33                 | 12.45                   | 28.08                  | 0.64                | 31.34         | 46.00         | -14.66         | Peak   |
| 6    | 580.70      | 46.99                 | 17.93                   | 26.53                  | 0.90                | 39.29         | 46.00         | -6.71          | Peak   |

Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss

802.11b ant2:

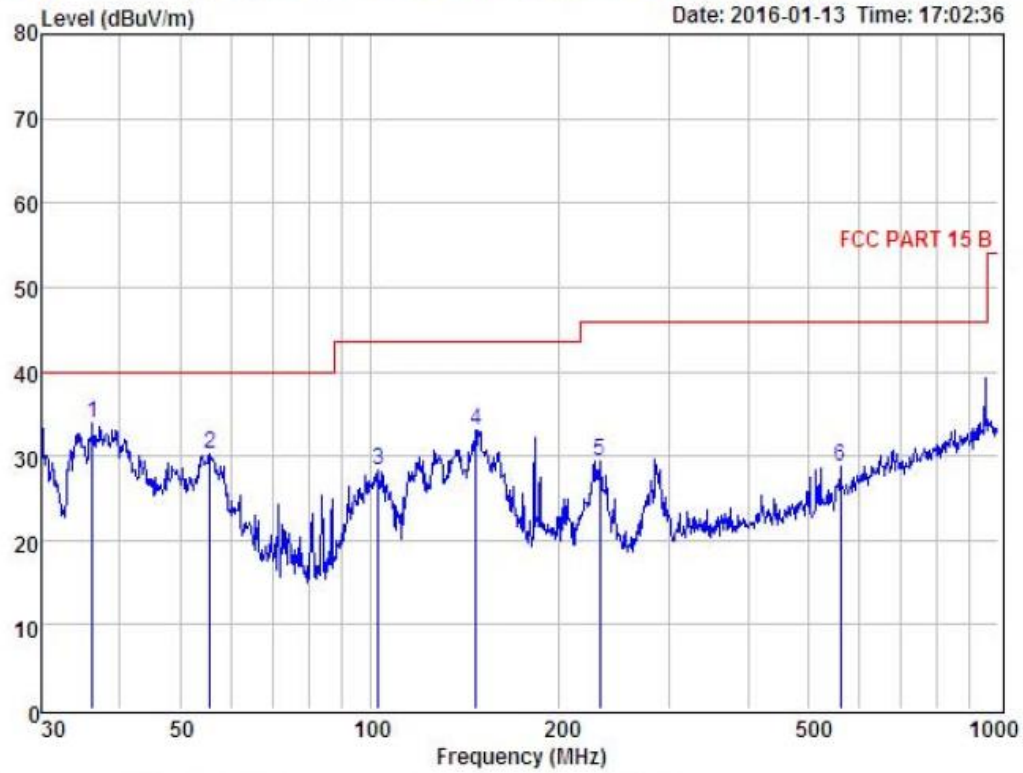


Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss

Data: 12

File: D:\REPORT DATA\H\HOU TIAN WANG LUO\VPR5G.EM6 (12)

Date: 2016-01-13 Time: 17:02:36



Condition : FCC PART 15 B 3m POL: VERTICAL  
 EUT :  
 Model No :  
 Test Mode :  
 Power :  
 Test Engineer :  
 Remark :  
 Temp : 25.2°C  
 Hum : 56%

| Item | Freq<br>MHz | Read<br>Level<br>dBuV | Antenna<br>Factor<br>dB | Preamp<br>Factor<br>dB | Cable<br>Loss<br>dB | Level<br>dBuV | Limit<br>dBuV | Margin<br>dBuV | Remark |
|------|-------------|-----------------------|-------------------------|------------------------|---------------------|---------------|---------------|----------------|--------|
| 1    | 36.13       | 51.17                 | 13.39                   | 30.83                  | 0.11                | 33.84         | 40.00         | -6.16          | Peak   |
| 2    | 55.61       | 47.79                 | 13.07                   | 30.87                  | 0.18                | 30.17         | 40.00         | -9.83          | Peak   |
| 3    | 103.08      | 47.53                 | 10.54                   | 30.04                  | 0.28                | 28.31         | 43.50         | -15.19         | Peak   |
| 4    | 147.40      | 48.20                 | 13.90                   | 29.43                  | 0.37                | 33.04         | 43.50         | -10.46         | Peak   |
| 5    | 232.53      | 45.61                 | 11.26                   | 28.10                  | 0.56                | 29.33         | 46.00         | -16.67         | Peak   |
| 6    | 560.69      | 36.91                 | 17.56                   | 26.76                  | 1.05                | 28.76         | 46.00         | -17.24         | Peak   |

Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss

From 1G-25GHz with port 1 antenna

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX Low        |                          |             |

IEEE 802.11b

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1120           | V               | 54.80                     | ---                     | -11.24                  | 43.56            | ---            | 74.00                     | 54.00                   | -10.44         | Peak   |
| 1745           | V               | 50.95                     | ---                     | -9.53                   | 41.42            | ---            | 74.00                     | 54.00                   | -12.58         | Peak   |
| 2289           | V               | 52.42                     | ---                     | -8.07                   | 44.35            | ---            | 74.00                     | 54.00                   | -9.65          | Peak   |
| 4824           | V               | 41.87                     | ---                     | 0.64                    | 42.51            | ---            | 74.00                     | 54.00                   | -11.49         | Peak   |
| N/A            |                 |                           |                         |                         |                  |                |                           |                         |                |        |

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX Low        |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1295           | H               | 51.52                     | ---                     | -10.96                  | 40.56            | ---            | 74.00                     | 54.00                   | -13.44         | Peak   |
| 1932           | H               | 46.64                     | ---                     | -8.86                   | 37.78            | ---            | 74.00                     | 54.00                   | -16.22         | Peak   |
| 2913           | H               | 45.82                     | ---                     | -5.95                   | 39.87            | ---            | 74.00                     | 54.00                   | -14.13         | Peak   |
| 4824           | H               | 40.65                     | ---                     | 0.64                    | 41.29            | ---            | 74.00                     | 54.00                   | -12.71         | Peak   |
| N/A            |                 |                           |                         |                         |                  |                |                           |                         |                |        |

**Notes:** AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX Mid        |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1289           | V               | 54.82                     | ---                     | -10.96                  | 43.86            | ---            | 74.00                     | 54.00                   | -10.14         | Peak   |
| 2042           | V               | 53.64                     | ---                     | -8.58                   | 45.06            | ---            | 74.00                     | 54.00                   | -8.94          | Peak   |
| 2953           | V               | 48.60                     | ---                     | -5.86                   | 42.74            | ---            | 74.00                     | 54.00                   | -11.26         | Peak   |
| 4874           | V               | 40.22                     | ---                     | 0.76                    | 40.98            | ---            | 74.00                     | 54.00                   | -13.02         | Peak   |

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX Mid        |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1245           | H               | 48.70                     | ---                     | -11.52                  | 37.18            | ---            | 74.00                     | 54.00                   | -16.82         | Peak   |
| 1959           | H               | 49.90                     | ---                     | -8.64                   | 41.26            | ---            | 74.00                     | 54.00                   | -12.74         | Peak   |
| 3452           | H               | 48.53                     | ---                     | -4.95                   | 43.58            | ---            | 74.00                     | 54.00                   | -10.42         | Peak   |
| 4874           | H               | 39.63                     | ---                     | 0.76                    | 40.39            | ---            | 74.00                     | 54.00                   | -13.61         | Peak   |

**Notes:** AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX High       |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1395           | V               | 52.91                     | ---                     | -10.43                  | 42.48            | ---            | 74.00                     | 54.00                   | -11.52         | Peak   |
| 2276           | V               | 48.90                     | ---                     | -8.07                   | 40.83            | ---            | 74.00                     | 54.00                   | -13.17         | Peak   |
| 3112           | V               | 50.20                     | ---                     | -5.63                   | 44.57            | ---            | 74.00                     | 54.00                   | -9.43          | Peak   |
| 4924           | V               | 40.81                     | ---                     | 0.87                    | 41.68            | ---            | 74.00                     | 54.00                   | -12.32         | Peak   |

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX High       |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1344           | H               | 49.02                     | ---                     | -10.84                  | 38.18            | ---            | 74.00                     | 54.00                   | -15.82         | Peak   |
| 2387           | H               | 49.08                     | ---                     | -7.59                   | 41.49            | ---            | 74.00                     | 54.00                   | -12.51         | Peak   |
| 3704           | H               | 40.28                     | ---                     | -4.24                   | 36.04            | ---            | 74.00                     | 54.00                   | -17.96         | Peak   |
| 4924           | H               | 39.55                     | ---                     | 0.87                    | 40.42            | ---            | 74.00                     | 54.00                   | -13.58         | Peak   |

**Notes:** AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

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|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX Low        |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1145           | V               | 51.43                     | ---                     | -11.24                  | 40.19            | ---            | 74.00                     | 54.00                   | -13.81         | Peak   |
| 2586           | V               | 51.18                     | ---                     | -7.13                   | 44.05            | ---            | 74.00                     | 54.00                   | -9.95          | Peak   |
| 3062           | V               | 48.35                     | ---                     | -5.74                   | 42.61            | ---            | 74.00                     | 54.00                   | -11.39         | Peak   |
| 4824           | V               | 41.08                     | ---                     | 0.64                    | 41.72            | ---            | 74.00                     | 54.00                   | -12.28         | Peak   |
| N/A            |                 |                           |                         |                         |                  |                |                           |                         |                |        |

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX Low        |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1294           | H               | 48.01                     | ---                     | -10.96                  | 37.05            | ---            | 74.00                     | 54.00                   | -16.95         | Peak   |
| 2038           | H               | 48.15                     | ---                     | -8.58                   | 39.57            | ---            | 74.00                     | 54.00                   | -14.43         | Peak   |
| 3483           | H               | 46.32                     | ---                     | -4.95                   | 41.37            | ---            | 74.00                     | 54.00                   | -12.63         | Peak   |
| 4824           | H               | 42.22                     | ---                     | 0.64                    | 42.86            | ---            | 74.00                     | 54.00                   | -11.14         | Peak   |
| N/A            |                 |                           |                         |                         |                  |                |                           |                         |                |        |

**Notes:** AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX Mid        |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1374           | V               | 53.41                     | ---                     | -10.43                  | 42.98            | ---            | 74.00                     | 54.00                   | -11.02         | Peak   |
| 2589           | V               | 51.55                     | ---                     | -7.13                   | 44.42            | ---            | 74.00                     | 54.00                   | -9.58          | Peak   |
| 3365           | V               | 51.99                     | ---                     | -5.18                   | 46.81            | ---            | 74.00                     | 54.00                   | -7.19          | Peak   |
| 4874           | V               | 42.85                     | ---                     | 0.76                    | 43.61            | ---            | 74.00                     | 54.00                   | -10.39         | Peak   |

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX Mid        |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1321           | H               | 47.99                     | ---                     | -10.84                  | 37.15            | ---            | 74.00                     | 54.00                   | -16.85         | Peak   |
| 2314           | H               | 50.11                     | ---                     | -7.46                   | 42.65            | ---            | 74.00                     | 54.00                   | -11.35         | Peak   |
| 3577           | H               | 46.28                     | ---                     | -4.76                   | 41.52            | ---            | 74.00                     | 54.00                   | -12.48         | Peak   |
| 4874           | H               | 39.19                     | ---                     | 0.76                    | 39.95            | ---            | 74.00                     | 54.00                   | -14.05         | Peak   |

**Notes:** AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX High       |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1302           | V               | 54.36                     | ---                     | -10.84                  | 43.52            | ---            | 74.00                     | 54.00                   | -10.48         | Peak   |
| 2982           | V               | 46.69                     | ---                     | -5.86                   | 40.83            | ---            | 74.00                     | 54.00                   | -13.17         | Peak   |
| 3831           | V               | 48.64                     | ---                     | -3.96                   | 44.68            | ---            | 74.00                     | 54.00                   | -9.32          | Peak   |
| 4924           | V               | 40.58                     | ---                     | 0.87                    | 41.45            | ---            | 74.00                     | 54.00                   | -12.55         | Peak   |

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX High       |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1446           | H               | 48.56                     | ---                     | -10.29                  | 38.27            | ---            | 74.00                     | 54.00                   | -15.73         | Peak   |
| 2198           | H               | 44.42                     | ---                     | -8.24                   | 36.18            | ---            | 74.00                     | 54.00                   | -17.82         | Peak   |
| 3905           | H               | 46.47                     | ---                     | -3.68                   | 42.79            | ---            | 74.00                     | 54.00                   | -11.21         | Peak   |
| 4924           | H               | 40.72                     | ---                     | 0.87                    | 41.59            | ---            | 74.00                     | 54.00                   | -12.41         | Peak   |

**Notes:** AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

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|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX Low        |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1492           | V               | 52.62                     | ---                     | -10.27                  | 42.35            | ---            | 74.00                     | 54.00                   | -11.65         | Peak   |
| 2671           | V               | 47.02                     | ---                     | -6.94                   | 40.08            | ---            | 74.00                     | 54.00                   | -13.92         | Peak   |
| 3948           | V               | 48.81                     | ---                     | -3.68                   | 45.13            | ---            | 74.00                     | 54.00                   | -8.87          | Peak   |
| 4824           | V               | 42.82                     | ---                     | 0.64                    | 43.46            | ---            | 74.00                     | 54.00                   | -10.54         | Peak   |
| N/A            |                 |                           |                         |                         |                  |                |                           |                         |                |        |

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX Low        |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1451           | H               | 51.14                     | ---                     | -10.27                  | 40.87            | ---            | 74.00                     | 54.00                   | -13.13         | Peak   |
| 2839           | H               | 44.36                     | ---                     | -6.17                   | 38.19            | ---            | 74.00                     | 54.00                   | -15.81         | Peak   |
| 3607           | H               | 47.76                     | ---                     | -4.52                   | 43.24            | ---            | 74.00                     | 54.00                   | -10.76         | Peak   |
| 4824           | H               | 41.93                     | ---                     | 0.64                    | 42.57            | ---            | 74.00                     | 54.00                   | -11.43         | Peak   |
| N/A            |                 |                           |                         |                         |                  |                |                           |                         |                |        |

**Notes:** AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX Mid        |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1262           | V               | 54.53                     | ---                     | -10.96                  | 43.57            | ---            | 74.00                     | 54.00                   | -10.43         | Peak   |
| 2013           | V               | 48.86                     | ---                     | -8.58                   | 40.28            | ---            | 74.00                     | 54.00                   | -13.72         | Peak   |
| 3798           | V               | 48.18                     | ---                     | -4.07                   | 44.11            | ---            | 74.00                     | 54.00                   | -9.89          | Peak   |
| 4874           | V               | 41.59                     | ---                     | 0.76                    | 42.35            | ---            | 74.00                     | 54.00                   | -11.65         | Peak   |

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX Mid        |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1511           | H               | 49.30                     | ---                     | -10.14                  | 39.16            | ---            | 74.00                     | 54.00                   | -14.84         | Peak   |
| 2353           | H               | 50.02                     | ---                     | -7.59                   | 42.43            | ---            | 74.00                     | 54.00                   | -11.57         | Peak   |
| 3266           | H               | 45.43                     | ---                     | -5.39                   | 40.04            | ---            | 74.00                     | 54.00                   | -13.96         | Peak   |
| 4874           | H               | 37.75                     | ---                     | 0.76                    | 38.51            | ---            | 74.00                     | 54.00                   | -15.49         | Peak   |

**Notes:** AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX High       |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1477           | V               | 52.79                     | ---                     | -10.27                  | 42.52            | ---            | 74.00                     | 54.00                   | -11.48         | Peak   |
| 2703           | V               | 46.69                     | ---                     | -6.43                   | 40.26            | ---            | 74.00                     | 54.00                   | -13.74         | Peak   |
| 3561           | V               | 47.82                     | ---                     | -4.76                   | 43.06            | ---            | 74.00                     | 54.00                   | -10.94         | Peak   |
| 4924           | V               | 44.10                     | ---                     | 0.87                    | 44.97            | ---            | 74.00                     | 54.00                   | -9.03          | Peak   |

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX High       |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1503           | H               | 50.02                     | ---                     | -10.14                  | 39.88            | ---            | 74.00                     | 54.00                   | -14.12         | Peak   |
| 3588           | H               | 41.11                     | ---                     | -4.96                   | 36.15            | ---            | 74.00                     | 54.00                   | -17.85         | Peak   |
| 4153           | H               | 43.69                     | ---                     | -2.48                   | 41.21            | ---            | 74.00                     | 54.00                   | -12.79         | Peak   |
| 4924           | H               | 42.50                     | ---                     | 0.87                    | 43.37            | ---            | 74.00                     | 54.00                   | -10.63         | Peak   |

**Notes:** AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

## IEEE 802.11n/HT40 with 2.4G

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX Low        |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1551           | V               | 53.66                     | ---                     | -10.07                  | 43.59            | ---            | 74.00                     | 54.00                   | -10.41         | Peak   |
| 2695           | V               | 51.96                     | ---                     | -6.94                   | 45.02            | ---            | 74.00                     | 54.00                   | -8.98          | Peak   |
| 3463           | V               | 47.31                     | ---                     | -4.95                   | 42.36            | ---            | 74.00                     | 54.00                   | -11.64         | Peak   |
| 4844           | V               | 40.05                     | ---                     | 0.64                    | 40.69            | ---            | 74.00                     | 54.00                   | -13.31         | Peak   |
| N/A            |                 |                           |                         |                         |                  |                |                           |                         |                |        |

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX Low        |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1542           | H               | 48.55                     | ---                     | -10.14                  | 38.41            | ---            | 74.00                     | 54.00                   | -15.59         | Peak   |
| 2358           | H               | 51.15                     | ---                     | -7.59                   | 43.56            | ---            | 74.00                     | 54.00                   | -10.44         | Peak   |
| 3096           | H               | 46.93                     | ---                     | -5.74                   | 41.19            | ---            | 74.00                     | 54.00                   | -12.81         | Peak   |
| 4844           | H               | 39.62                     | ---                     | 0.64                    | 40.26            | ---            | 74.00                     | 54.00                   | -13.74         | Peak   |
| N/A            |                 |                           |                         |                         |                  |                |                           |                         |                |        |

**Notes:** AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX Mid        |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1628           | V               | 52.22                     | ---                     | -9.84                   | 42.38            | ---            | 74.00                     | 54.00                   | -11.62         | Peak   |
| 2593           | V               | 51.64                     | ---                     | -7.13                   | 44.51            | ---            | 74.00                     | 54.00                   | -9.49          | Peak   |
| 3301           | V               | 48.48                     | ---                     | -5.31                   | 43.17            | ---            | 74.00                     | 54.00                   | -10.83         | Peak   |
| 4874           | V               | 40.67                     | ---                     | 0.76                    | 41.43            | ---            | 74.00                     | 54.00                   | -12.57         | Peak   |

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX Mid        |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1564           | H               | 49.40                     | ---                     | -10.07                  | 39.33            | ---            | 74.00                     | 54.00                   | -14.67         | Peak   |
| 2248           | H               | 49.31                     | ---                     | -8.13                   | 41.18            | ---            | 74.00                     | 54.00                   | -12.82         | Peak   |
| 3159           | H               | 48.77                     | ---                     | -5.52                   | 43.25            | ---            | 74.00                     | 54.00                   | -10.75         | Peak   |
| 4874           | H               | 37.60                     | ---                     | 0.76                    | 38.36            | ---            | 74.00                     | 54.00                   | -15.64         | Peak   |

**Notes:** AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX High       |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1645           | V               | 52.92                     | ---                     | -9.84                   | 43.08            | ---            | 74.00                     | 54.00                   | -10.92         | Peak   |
| 2590           | V               | 47.55                     | ---                     | -7.13                   | 40.42            | ---            | 74.00                     | 54.00                   | -13.58         | Peak   |
| 3851           | V               | 48.77                     | ---                     | -3.84                   | 44.93            | ---            | 74.00                     | 54.00                   | -9.07          | Peak   |
| 4904           | V               | 42.01                     | ---                     | 0.87                    | 42.88            | ---            | 74.00                     | 54.00                   | -11.12         | Peak   |

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX High       |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1792           | H               | 49.66                     | ---                     | -9.27                   | 40.39            | ---            | 74.00                     | 54.00                   | -13.61         | Peak   |
| 2804           | H               | 43.63                     | ---                     | -6.17                   | 37.46            | ---            | 74.00                     | 54.00                   | -16.54         | Peak   |
| 3743           | H               | 45.48                     | ---                     | -4.24                   | 41.24            | ---            | 74.00                     | 54.00                   | -12.76         | Peak   |
| 4904           | H               | 41.24                     | ---                     | 0.87                    | 42.11            | ---            | 74.00                     | 54.00                   | -11.89         | Peak   |

**Notes:** AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

From 1G-25GHz with port 2 antenna

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX Low        |                          |             |

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| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1120           | V               | 54.92                     | ---                     | -11.24                  | 43.68            | ---            | 74.00                     | 54.00                   | -10.32         | Peak   |
| 1745           | V               | 50.64                     | ---                     | -9.53                   | 41.11            | ---            | 74.00                     | 54.00                   | -12.89         | Peak   |
| 2289           | V               | 47.90                     | ---                     | -8.07                   | 39.83            | ---            | 74.00                     | 54.00                   | -14.17         | Peak   |
| 4824           | V               | 43.38                     | ---                     | 0.64                    | 44.02            | ---            | 74.00                     | 54.00                   | -9.98          | Peak   |
| N/A            |                 |                           |                         |                         |                  |                |                           |                         |                |        |

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX Low        |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1295           | H               | 52.39                     | ---                     | -10.96                  | 41.43            | ---            | 74.00                     | 54.00                   | -12.57         | Peak   |
| 1932           | H               | 46.02                     | ---                     | -8.86                   | 37.16            | ---            | 74.00                     | 54.00                   | -16.84         | Peak   |
| 2913           | H               | 48.86                     | ---                     | -5.95                   | 42.91            | ---            | 74.00                     | 54.00                   | -11.09         | Peak   |
| 4824           | H               | 39.11                     | ---                     | 0.64                    | 39.75            | ---            | 74.00                     | 54.00                   | -14.25         | Peak   |
| N/A            |                 |                           |                         |                         |                  |                |                           |                         |                |        |

**Notes:** AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX Mid        |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1289           | V               | 55.59                     | ---                     | -10.96                  | 44.63            | ---            | 74.00                     | 54.00                   | -9.37          | Peak   |
| 2042           | V               | 51.45                     | ---                     | -8.58                   | 42.87            | ---            | 74.00                     | 54.00                   | -11.13         | Peak   |
| 2953           | V               | 47.37                     | ---                     | -5.86                   | 41.51            | ---            | 74.00                     | 54.00                   | -12.49         | Peak   |
| 4874           | V               | 43.16                     | ---                     | 0.76                    | 43.92            | ---            | 74.00                     | 54.00                   | -10.08         | Peak   |

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX Mid        |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1245           | H               | 51.27                     | ---                     | -11.52                  | 39.75            | ---            | 74.00                     | 54.00                   | -14.25         | Peak   |
| 1959           | H               | 43.97                     | ---                     | -8.64                   | 35.33            | ---            | 74.00                     | 54.00                   | -18.67         | Peak   |
| 3452           | H               | 46.81                     | ---                     | -4.95                   | 41.86            | ---            | 74.00                     | 54.00                   | -12.14         | Peak   |
| 4874           | H               | 37.92                     | ---                     | 0.76                    | 38.68            | ---            | 74.00                     | 54.00                   | -15.32         | Peak   |

**Notes:** AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX High       |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1395           | V               | 55.67                     | ---                     | -10.43                  | 45.24            | ---            | 74.00                     | 54.00                   | -8.76          | Peak   |
| 2276           | V               | 50.69                     | ---                     | -8.07                   | 42.62            | ---            | 74.00                     | 54.00                   | -11.38         | Peak   |
| 3112           | V               | 49.74                     | ---                     | -5.63                   | 44.11            | ---            | 74.00                     | 54.00                   | -9.89          | Peak   |
| 4924           | V               | 39.49                     | ---                     | 0.87                    | 40.36            | ---            | 74.00                     | 54.00                   | -13.64         | Peak   |

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX High       |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1344           | H               | 49.11                     | ---                     | -10.84                  | 38.27            | ---            | 74.00                     | 54.00                   | -15.73         | Peak   |
| 2387           | H               | 49.11                     | ---                     | -7.59                   | 41.52            | ---            | 74.00                     | 54.00                   | -12.48         | Peak   |
| 3704           | H               | 44.49                     | ---                     | -4.24                   | 40.25            | ---            | 74.00                     | 54.00                   | -13.75         | Peak   |
| 4924           | H               | 42.51                     | ---                     | 0.87                    | 43.38            | ---            | 74.00                     | 54.00                   | -10.62         | Peak   |

**Notes:** AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

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|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX Low        |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1145           | V               | 53.70                     | ---                     | -11.24                  | 42.46            | ---            | 74.00                     | 54.00                   | -11.54         | Peak   |
| 2586           | V               | 47.04                     | ---                     | -7.13                   | 39.91            | ---            | 74.00                     | 54.00                   | -14.09         | Peak   |
| 3062           | V               | 46.93                     | ---                     | -5.74                   | 41.19            | ---            | 74.00                     | 54.00                   | -12.81         | Peak   |
| 4824           | V               | 42.90                     | ---                     | 0.64                    | 43.54            | ---            | 74.00                     | 54.00                   | -10.46         | Peak   |
| N/A            |                 |                           |                         |                         |                  |                |                           |                         |                |        |

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX Low        |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1294           | H               | 49.42                     | ---                     | -10.96                  | 38.46            | ---            | 74.00                     | 54.00                   | -15.54         | Peak   |
| 2038           | H               | 49.69                     | ---                     | -8.58                   | 41.11            | ---            | 74.00                     | 54.00                   | -12.89         | Peak   |
| 3483           | H               | 44.32                     | ---                     | -4.95                   | 39.37            | ---            | 74.00                     | 54.00                   | -14.63         | Peak   |
| 4824           | H               | 36.61                     | ---                     | 0.64                    | 37.25            | ---            | 74.00                     | 54.00                   | -16.75         | Peak   |
| N/A            |                 |                           |                         |                         |                  |                |                           |                         |                |        |

**Notes:** AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX Mid        |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1374           | V               | 51.61                     | ---                     | -10.43                  | 41.18            | ---            | 74.00                     | 54.00                   | -12.82         | Peak   |
| 2589           | V               | 51.86                     | ---                     | -7.13                   | 44.73            | ---            | 74.00                     | 54.00                   | -9.27          | Peak   |
| 3365           | V               | 45.57                     | ---                     | -5.18                   | 40.39            | ---            | 74.00                     | 54.00                   | -13.61         | Peak   |
| 4874           | V               | 41.75                     | ---                     | 0.76                    | 42.51            | ---            | 74.00                     | 54.00                   | -11.49         | Peak   |

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX Mid        |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1321           | H               | 49.97                     | ---                     | -10.84                  | 39.13            | ---            | 74.00                     | 54.00                   | -14.87         | Peak   |
| 2314           | H               | 49.88                     | ---                     | -7.46                   | 42.42            | ---            | 74.00                     | 54.00                   | -11.58         | Peak   |
| 3577           | H               | 42.50                     | ---                     | -4.76                   | 37.74            | ---            | 74.00                     | 54.00                   | -16.26         | Peak   |
| 4874           | H               | 39.50                     | ---                     | 0.76                    | 40.26            | ---            | 74.00                     | 54.00                   | -13.74         | Peak   |

**Notes:** AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX High       |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1302           | V               | 53.76                     | ---                     | -10.84                  | 42.92            | ---            | 74.00                     | 54.00                   | -11.08         | Peak   |
| 2982           | V               | 46.07                     | ---                     | -5.86                   | 40.21            | ---            | 74.00                     | 54.00                   | -13.79         | Peak   |
| 3831           | V               | 48.69                     | ---                     | -3.96                   | 44.73            | ---            | 74.00                     | 54.00                   | -9.27          | Peak   |
| 4924           | V               | 40.52                     | ---                     | 0.87                    | 41.39            | ---            | 74.00                     | 54.00                   | -12.61         | Peak   |

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX High       |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1446           | H               | 48.91                     | ---                     | -10.29                  | 38.62            | ---            | 74.00                     | 54.00                   | -15.38         | Peak   |
| 2198           | H               | 49.51                     | ---                     | -8.24                   | 41.27            | ---            | 74.00                     | 54.00                   | -12.73         | Peak   |
| 3905           | H               | 47.49                     | ---                     | -3.68                   | 43.81            | ---            | 74.00                     | 54.00                   | -10.19         | Peak   |
| 4924           | H               | 39.56                     | ---                     | 0.87                    | 40.43            | ---            | 74.00                     | 54.00                   | -13.57         | Peak   |

**Notes:** AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

## IEEE 802.11n/HT20

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX Low        |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1492           | V               | 51.76                     | ---                     | -10.27                  | 41.49            | ---            | 74.00                     | 54.00                   | -12.51         | Peak   |
| 2671           | V               | 46.86                     | ---                     | -6.94                   | 39.92            | ---            | 74.00                     | 54.00                   | -14.08         | Peak   |
| 3948           | V               | 47.55                     | ---                     | -3.68                   | 43.87            | ---            | 74.00                     | 54.00                   | -10.13         | Peak   |
| 4824           | V               | 43.41                     | ---                     | 0.64                    | 44.05            | ---            | 74.00                     | 54.00                   | -9.95          | Peak   |
| N/A            |                 |                           |                         |                         |                  |                |                           |                         |                |        |

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX Low        |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1451           | H               | 49.38                     | ---                     | -10.27                  | 39.11            | ---            | 74.00                     | 54.00                   | -14.89         | Peak   |
| 2839           | H               | 48.59                     | ---                     | -6.17                   | 42.42            | ---            | 74.00                     | 54.00                   | -11.58         | Peak   |
| 3607           | H               | 44.75                     | ---                     | -4.52                   | 40.23            | ---            | 74.00                     | 54.00                   | -13.77         | Peak   |
| 4824           | H               | 36.68                     | ---                     | 0.64                    | 37.32            | ---            | 74.00                     | 54.00                   | -16.68         | Peak   |
| N/A            |                 |                           |                         |                         |                  |                |                           |                         |                |        |

**Notes:** AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX Mid        |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1262           | V               | 53.29                     | ---                     | -10.96                  | 42.33            | ---            | 74.00                     | 54.00                   | -11.67         | Peak   |
| 2013           | V               | 53.16                     | ---                     | -8.58                   | 44.58            | ---            | 74.00                     | 54.00                   | -9.42          | Peak   |
| 3798           | V               | 44.21                     | ---                     | -4.07                   | 40.14            | ---            | 74.00                     | 54.00                   | -13.86         | Peak   |
| 4874           | V               | 42.52                     | ---                     | 0.76                    | 43.28            | ---            | 74.00                     | 54.00                   | -10.72         | Peak   |

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX Mid        |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1511           | H               | 49.06                     | ---                     | -10.14                  | 38.92            | ---            | 74.00                     | 54.00                   | -15.08         | Peak   |
| 2353           | H               | 49.13                     | ---                     | -7.59                   | 41.54            | ---            | 74.00                     | 54.00                   | -12.46         | Peak   |
| 3266           | H               | 49.08                     | ---                     | -5.39                   | 43.69            | ---            | 74.00                     | 54.00                   | -10.31         | Peak   |
| 4874           | H               | 41.40                     | ---                     | 0.76                    | 42.16            | ---            | 74.00                     | 54.00                   | -11.84         | Peak   |

**Notes:** AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX High       |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1477           | V               | 52.52                     | ---                     | -10.27                  | 42.25            | ---            | 74.00                     | 54.00                   | -11.75         | Peak   |
| 2703           | V               | 45.75                     | ---                     | -6.43                   | 39.32            | ---            | 74.00                     | 54.00                   | -14.68         | Peak   |
| 3561           | V               | 49.49                     | ---                     | -4.76                   | 44.73            | ---            | 74.00                     | 54.00                   | -9.27          | Peak   |
| 4924           | V               | 41.00                     | ---                     | 0.87                    | 41.87            | ---            | 74.00                     | 54.00                   | -12.13         | Peak   |

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX High       |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1503           | H               | 51.67                     | ---                     | -10.14                  | 41.53            | ---            | 74.00                     | 54.00                   | -12.47         | Peak   |
| 3588           | H               | 44.14                     | ---                     | -4.96                   | 39.18            | ---            | 74.00                     | 54.00                   | -14.82         | Peak   |
| 4153           | H               | 46.41                     | ---                     | -2.48                   | 43.93            | ---            | 74.00                     | 54.00                   | -10.07         | Peak   |
| 4924           | H               | 39.59                     | ---                     | 0.87                    | 40.46            | ---            | 74.00                     | 54.00                   | -13.54         | Peak   |

**Notes:** AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

## IEEE 802.11n/HT40

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX Low        |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1551           | V               | 53.34                     | ---                     | -10.07                  | 43.27            | ---            | 74.00                     | 54.00                   | -10.73         | Peak   |
| 2695           | V               | 48.65                     | ---                     | -6.94                   | 41.71            | ---            | 74.00                     | 54.00                   | -12.29         | Peak   |
| 3463           | V               | 49.14                     | ---                     | -4.95                   | 44.19            | ---            | 74.00                     | 54.00                   | -9.81          | Peak   |
| 4844           | V               | 44.68                     | ---                     | 0.64                    | 45.32            | ---            | 74.00                     | 54.00                   | -8.68          | Peak   |
| N/A            |                 |                           |                         |                         |                  |                |                           |                         |                |        |

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX Low        |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1542           | H               | 48.41                     | ---                     | -10.14                  | 38.27            | ---            | 74.00                     | 54.00                   | -15.73         | Peak   |
| 2358           | H               | 50.12                     | ---                     | -7.59                   | 42.53            | ---            | 74.00                     | 54.00                   | -11.47         | Peak   |
| 3096           | H               | 50.12                     | ---                     | -5.74                   | 44.38            | ---            | 74.00                     | 54.00                   | -9.62          | Peak   |
| 4844           | H               | 40.17                     | ---                     | 0.64                    | 40.81            | ---            | 74.00                     | 54.00                   | -13.19         | Peak   |
| N/A            |                 |                           |                         |                         |                  |                |                           |                         |                |        |

**Notes:** AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX Mid        |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1628           | V               | 52.67                     | ---                     | -9.84                   | 42.83            | ---            | 74.00                     | 54.00                   | -11.17         | Peak   |
| 2593           | V               | 47.75                     | ---                     | -7.13                   | 40.62            | ---            | 74.00                     | 54.00                   | -13.38         | Peak   |
| 3301           | V               | 51.22                     | ---                     | -5.31                   | 45.91            | ---            | 74.00                     | 54.00                   | -8.09          | Peak   |
| 4874           | V               | 42.61                     | ---                     | 0.76                    | 43.37            | ---            | 74.00                     | 54.00                   | -10.63         | Peak   |

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX Mid        |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1564           | H               | 50.35                     | ---                     | -10.07                  | 40.28            | ---            | 74.00                     | 54.00                   | -13.72         | Peak   |
| 2248           | H               | 50.56                     | ---                     | -8.13                   | 42.43            | ---            | 74.00                     | 54.00                   | -11.57         | Peak   |
| 3159           | H               | 44.44                     | ---                     | -5.52                   | 38.92            | ---            | 74.00                     | 54.00                   | -15.08         | Peak   |
| 4874           | H               | 42.66                     | ---                     | 0.76                    | 43.42            | ---            | 74.00                     | 54.00                   | -10.58         | Peak   |

**Notes:** AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX High       |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1645           | V               | 54.02                     | ---                     | -9.84                   | 44.18            | ---            | 74.00                     | 54.00                   | -9.82          | Peak   |
| 2590           | V               | 49.38                     | ---                     | -7.13                   | 42.25            | ---            | 74.00                     | 54.00                   | -11.75         | Peak   |
| 3851           | V               | 47.15                     | ---                     | -3.84                   | 43.31            | ---            | 74.00                     | 54.00                   | -10.69         | Peak   |
| 4904           | V               | 39.31                     | ---                     | 0.87                    | 40.18            | ---            | 74.00                     | 54.00                   | -13.82         | Peak   |

|                    |               |                          |             |
|--------------------|---------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C          | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa        | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | TX High       |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1792           | H               | 52.56                     | ---                     | -9.27                   | 43.29            | ---            | 74.00                     | 54.00                   | -10.71         | Peak   |
| 2804           | H               | 43.69                     | ---                     | -6.17                   | 37.52            | ---            | 74.00                     | 54.00                   | -16.48         | Peak   |
| 3743           | H               | 46.08                     | ---                     | -4.24                   | 41.84            | ---            | 74.00                     | 54.00                   | -12.16         | Peak   |
| 4904           | H               | 38.15                     | ---                     | 0.87                    | 39.02            | ---            | 74.00                     | 54.00                   | -14.98         | Peak   |

**Notes:** AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

From 1G-25GHz with port 1 antenna and port 2 antenna simultaneously transmit:  
simultaneously transmit with IEEE 802.11n/HT20:

| EUT            |                 | WiFi Repeater                                                     |                         |                         | Model Name        |                | VRP5G                     |                         |                |        |
|----------------|-----------------|-------------------------------------------------------------------|-------------------------|-------------------------|-------------------|----------------|---------------------------|-------------------------|----------------|--------|
| Temperature    |                 | 26°C                                                              |                         |                         | Relative Humidity |                | 56%                       |                         |                |        |
| Pressure       |                 | 960hPa                                                            |                         |                         | Test voltage      |                | AC120V/60Hz               |                         |                |        |
| Test Mode      |                 | simultaneously transmit for port 1 and port 2 with TX Low 2412MHz |                         |                         |                   |                |                           |                         |                |        |
| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV)                                         | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs         |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|                |                 |                                                                   |                         |                         | Peak<br>(dBuV/m)  | AV<br>(dBuV/m) |                           |                         |                |        |
| 1492           | V               | 53.69                                                             | ---                     | -10.27                  | 43.42             | ---            | 74.00                     | 54.00                   | -10.58         | Peak   |
| 2671           | V               | 47.20                                                             | ---                     | -6.94                   | 40.26             | ---            | 74.00                     | 54.00                   | -13.74         | Peak   |
| 3948           | V               | 41.99                                                             | ---                     | -3.68                   | 38.31             | ---            | 74.00                     | 54.00                   | -15.69         | Peak   |
| 4824           | V               | 38.89                                                             | ---                     | 0.64                    | 39.53             | ---            | 74.00                     | 54.00                   | -14.47         | Peak   |
| N/A            |                 |                                                                   |                         |                         |                   |                |                           |                         |                |        |

|             |                                                                   |                   |             |
|-------------|-------------------------------------------------------------------|-------------------|-------------|
| EUT         | WiFi Repeater                                                     | Model Name        | VRP5G       |
| Temperature | 26°C                                                              | Relative Humidity | 56%         |
| Pressure    | 960hPa                                                            | Test voltage      | AC120V/60Hz |
| Test Mode   | simultaneously transmit for port 1 and port 2 with TX Low 2412MHz |                   |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1451           | H               | 49.89                     | ---                     | -10.27                  | 39.62            | ---            | 74.00                     | 54.00                   | -14.38         | Peak   |
| 2839           | H               | 42.64                     | ---                     | -6.17                   | 36.47            | ---            | 74.00                     | 54.00                   | -17.53         | Peak   |
| 3607           | H               | 48.44                     | ---                     | -4.52                   | 43.92            | ---            | 74.00                     | 54.00                   | -10.08         | Peak   |
| 4824           | H               | 41.20                     | ---                     | 0.64                    | 41.84            | ---            | 74.00                     | 54.00                   | -12.16         | Peak   |
| N/A            |                 |                           |                         |                         |                  |                |                           |                         |                |        |

**Notes:** AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

|                    |                                                                   |                          |             |
|--------------------|-------------------------------------------------------------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater                                                     | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C                                                              | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa                                                            | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | simultaneously transmit for port 1 and port 2 with TX Mid 2437MHz |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1262           | V               | 54.24                     | ---                     | -10.96                  | 43.28            | ---            | 74.00                     | 54.00                   | -10.72         | Peak   |
| 2013           | V               | 48.62                     | ---                     | -8.58                   | 40.04            | ---            | 74.00                     | 54.00                   | -13.96         | Peak   |
| 3798           | V               | 49.26                     | ---                     | -4.07                   | 45.19            | ---            | 74.00                     | 54.00                   | -8.81          | Peak   |
| 4874           | V               | 41.57                     | ---                     | 0.76                    | 42.33            | ---            | 74.00                     | 54.00                   | -11.67         | Peak   |

|                    |                                                                   |                          |             |
|--------------------|-------------------------------------------------------------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater                                                     | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C                                                              | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa                                                            | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | simultaneously transmit for port 1 and port 2 with TX Mid 2437MHz |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1511           | H               | 50.39                     | ---                     | -10.14                  | 40.25            | ---            | 74.00                     | 54.00                   | -13.75         | Peak   |
| 2353           | H               | 45.77                     | ---                     | -7.59                   | 38.18            | ---            | 74.00                     | 54.00                   | -15.82         | Peak   |
| 3266           | H               | 48.63                     | ---                     | -5.39                   | 43.24            | ---            | 74.00                     | 54.00                   | -10.76         | Peak   |
| 4874           | H               | 43.80                     | ---                     | 0.76                    | 44.56            | ---            | 74.00                     | 54.00                   | -9.44          | Peak   |

**Notes:** AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

|                    |                                                                    |                          |             |
|--------------------|--------------------------------------------------------------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater                                                      | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C                                                               | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa                                                             | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | simultaneously transmit for port 1 and port 2 with TX High 2462MHz |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1477           | V               | 51.29                     | ---                     | -10.27                  | 41.02            | ---            | 74.00                     | 54.00                   | -12.98         | Peak   |
| 2703           | V               | 50.70                     | ---                     | -6.43                   | 44.27            | ---            | 74.00                     | 54.00                   | -9.73          | Peak   |
| 3561           | V               | 47.60                     | ---                     | -4.76                   | 42.84            | ---            | 74.00                     | 54.00                   | -11.16         | Peak   |
| 4924           | V               | 39.39                     | ---                     | 0.87                    | 40.26            | ---            | 74.00                     | 54.00                   | -13.74         | Peak   |

|                    |                                                                    |                          |             |
|--------------------|--------------------------------------------------------------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater                                                      | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C                                                               | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa                                                             | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | simultaneously transmit for port 1 and port 2 with TX High 2462MHz |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1503           | H               | 49.31                     | ---                     | -10.14                  | 39.17            | ---            | 74.00                     | 54.00                   | -14.83         | Peak   |
| 3588           | H               | 46.33                     | ---                     | -4.96                   | 41.37            | ---            | 74.00                     | 54.00                   | -12.63         | Peak   |
| 4153           | H               | 46.00                     | ---                     | -2.48                   | 43.52            | ---            | 74.00                     | 54.00                   | -10.48         | Peak   |
| 4924           | H               | 36.21                     | ---                     | 0.87                    | 37.08            | ---            | 74.00                     | 54.00                   | -16.92         | Peak   |

**Notes:** AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

simultaneously transmit with IEEE 802.11n/HT40

|                    |                                                                   |                          |             |
|--------------------|-------------------------------------------------------------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater                                                     | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C                                                              | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa                                                            | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | simultaneously transmit for port 1 and port 2 with TX Low 2422MHz |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1551           | V               | 54.76                     | ---                     | -10.07                  | 44.69            | ---            | 74.00                     | 54.00                   | -9.31          | Peak   |
| 2695           | V               | 48.18                     | ---                     | -6.94                   | 41.24            | ---            | 74.00                     | 54.00                   | -12.76         | Peak   |
| 3463           | V               | 48.69                     | ---                     | -4.95                   | 43.74            | ---            | 74.00                     | 54.00                   | -10.26         | Peak   |
| 4844           | V               | 37.47                     | ---                     | 0.64                    | 38.11            | ---            | 74.00                     | 54.00                   | -15.89         | Peak   |
| N/A            |                 |                           |                         |                         |                  |                |                           |                         |                |        |

|                    |                                                                   |                          |             |
|--------------------|-------------------------------------------------------------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater                                                     | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C                                                              | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa                                                            | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | simultaneously transmit for port 1 and port 2 with TX Low 2422MHz |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1542           | H               | 50.40                     | ---                     | -10.14                  | 40.26            | ---            | 74.00                     | 54.00                   | -13.74         | Peak   |
| 2358           | H               | 50.01                     | ---                     | -7.59                   | 42.42            | ---            | 74.00                     | 54.00                   | -11.58         | Peak   |
| 3096           | H               | 41.89                     | ---                     | -5.74                   | 36.15            | ---            | 74.00                     | 54.00                   | -17.85         | Peak   |
| 4844           | H               | 40.61                     | ---                     | 0.64                    | 41.25            | ---            | 74.00                     | 54.00                   | -12.75         | Peak   |
| N/A            |                 |                           |                         |                         |                  |                |                           |                         |                |        |

**Notes:** AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

|                    |                                                                   |                          |             |
|--------------------|-------------------------------------------------------------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater                                                     | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C                                                              | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa                                                            | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | simultaneously transmit for port 1 and port 2 with TX Mid 2437MHz |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1628           | V               | 51.09                     | ---                     | -9.84                   | 41.25            | ---            | 74.00                     | 54.00                   | -12.75         | Peak   |
| 2593           | V               | 50.44                     | ---                     | -7.13                   | 43.31            | ---            | 74.00                     | 54.00                   | -10.69         | Peak   |
| 3301           | V               | 49.47                     | ---                     | -5.31                   | 44.16            | ---            | 74.00                     | 54.00                   | -9.84          | Peak   |
| 4874           | V               | 39.81                     | ---                     | 0.76                    | 40.57            | ---            | 74.00                     | 54.00                   | -13.43         | Peak   |

|                    |                                                                   |                          |             |
|--------------------|-------------------------------------------------------------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater                                                     | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C                                                              | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa                                                            | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | simultaneously transmit for port 1 and port 2 with TX Mid 2437MHz |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1564           | H               | 48.93                     | ---                     | -10.07                  | 38.86            | ---            | 74.00                     | 54.00                   | -15.14         | Peak   |
| 2248           | H               | 50.40                     | ---                     | -8.13                   | 42.27            | ---            | 74.00                     | 54.00                   | -11.73         | Peak   |
| 3159           | H               | 46.44                     | ---                     | -5.52                   | 40.92            | ---            | 74.00                     | 54.00                   | -13.08         | Peak   |
| 4874           | H               | 38.75                     | ---                     | 0.76                    | 39.51            | ---            | 74.00                     | 54.00                   | -14.49         | Peak   |

**Notes:** AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

|                    |                                                                    |                          |             |
|--------------------|--------------------------------------------------------------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater                                                      | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C                                                               | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa                                                             | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | simultaneously transmit for port 1 and port 2 with TX High 2452MHz |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1645           | V               | 51.27                     | ---                     | -9.84                   | 41.43            | ---            | 74.00                     | 54.00                   | -12.57         | Peak   |
| 2590           | V               | 50.29                     | ---                     | -7.13                   | 43.16            | ---            | 74.00                     | 54.00                   | -10.84         | Peak   |
| 3851           | V               | 48.48                     | ---                     | -3.84                   | 44.64            | ---            | 74.00                     | 54.00                   | -9.36          | Peak   |
| 4904           | V               | 41.72                     | ---                     | 0.87                    | 42.59            | ---            | 74.00                     | 54.00                   | -11.41         | Peak   |

|                    |                                                                    |                          |             |
|--------------------|--------------------------------------------------------------------|--------------------------|-------------|
| <b>EUT</b>         | WiFi Repeater                                                      | <b>Model Name</b>        | VRP5G       |
| <b>Temperature</b> | 26°C                                                               | <b>Relative Humidity</b> | 56%         |
| <b>Pressure</b>    | 960hPa                                                             | <b>Test voltage</b>      | AC120V/60Hz |
| <b>Test Mode</b>   | simultaneously transmit for port 1 and port 2 with TX High 2452MHz |                          |             |

| Freq.<br>(MHz) | Ant. Pol<br>H/V | Peak<br>Reading<br>(dBuV) | AV<br>Reading<br>(dBuV) | Ant. / CL<br>CF<br>(dB) | Actual Fs        |                | Peak<br>Limit<br>(dBuV/m) | AV<br>Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|----------------|-----------------|---------------------------|-------------------------|-------------------------|------------------|----------------|---------------------------|-------------------------|----------------|--------|
|                |                 |                           |                         |                         | Peak<br>(dBuV/m) | AV<br>(dBuV/m) |                           |                         |                |        |
| 1792           | H               | 46.43                     | ---                     | -9.27                   | 37.16            | ---            | 74.00                     | 54.00                   | -16.84         | Peak   |
| 2804           | H               | 46.60                     | ---                     | -6.17                   | 40.43            | ---            | 74.00                     | 54.00                   | -13.57         | Peak   |
| 3743           | H               | 47.55                     | ---                     | -4.24                   | 43.31            | ---            | 74.00                     | 54.00                   | -10.69         | Peak   |
| 4904           | H               | 38.26                     | ---                     | 0.87                    | 39.13            | ---            | 74.00                     | 54.00                   | -14.87         | Peak   |

**Notes:** AV Means AV detector test data, Peak Means Peak detector test data.

Emissions attenuated more than 20 dB below the permissible value are not reported.

## 6 POWER LINE CONDUCTED EMISSION

### 6.1 Conducted Emission Limits(15.207)

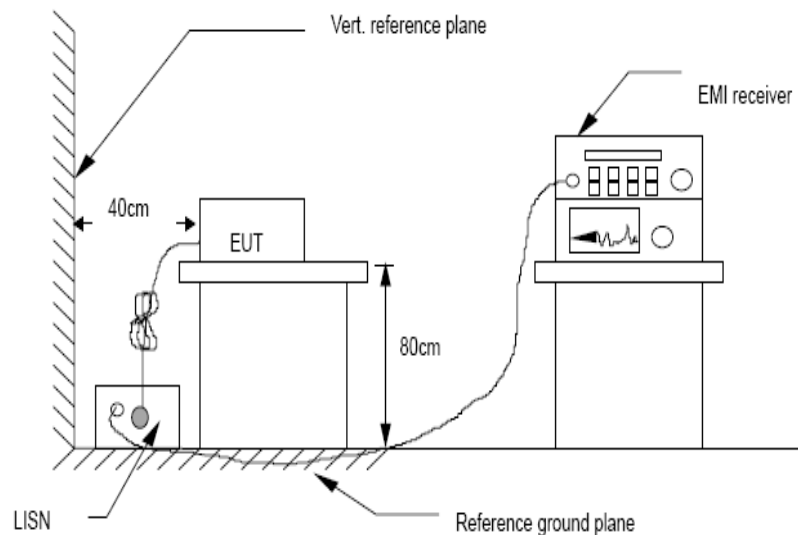
| Frequency<br>MHz | Limits dB( $\mu$ V) |               |
|------------------|---------------------|---------------|
|                  | Quasi-peak Level    | Average Level |
| 0.15 -0.50       | 66 -56*             | 56 - 46*      |
| 0.50 -5.00       | 56                  | 46            |
| 5.00 -30.00      | 60                  | 50            |

Notes: 1. \*Decreasing linearly with logarithm of frequency.

2. The lower limit shall apply at the transition frequencies.

3.The limit decreases in line with the logarithm of the frequency in the rang of 0.15 to 0.50 MHz.

### 6.2 Test Setup



### 6.3 Test Procedure

The EUT is put on the plane 0.8m high above the ground by insulating support and is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC lines are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.10:2013 on Conducted Emission Measurement. The bandwidth of test receiver (R & S ESCDLB ECHO 50) is set at 9 kHz.

### 6.4 Test Results

TX MODE

All modes have been tested, and only worse case of 802.11 b mode, antenna port 1 is reported only.

**PASS**

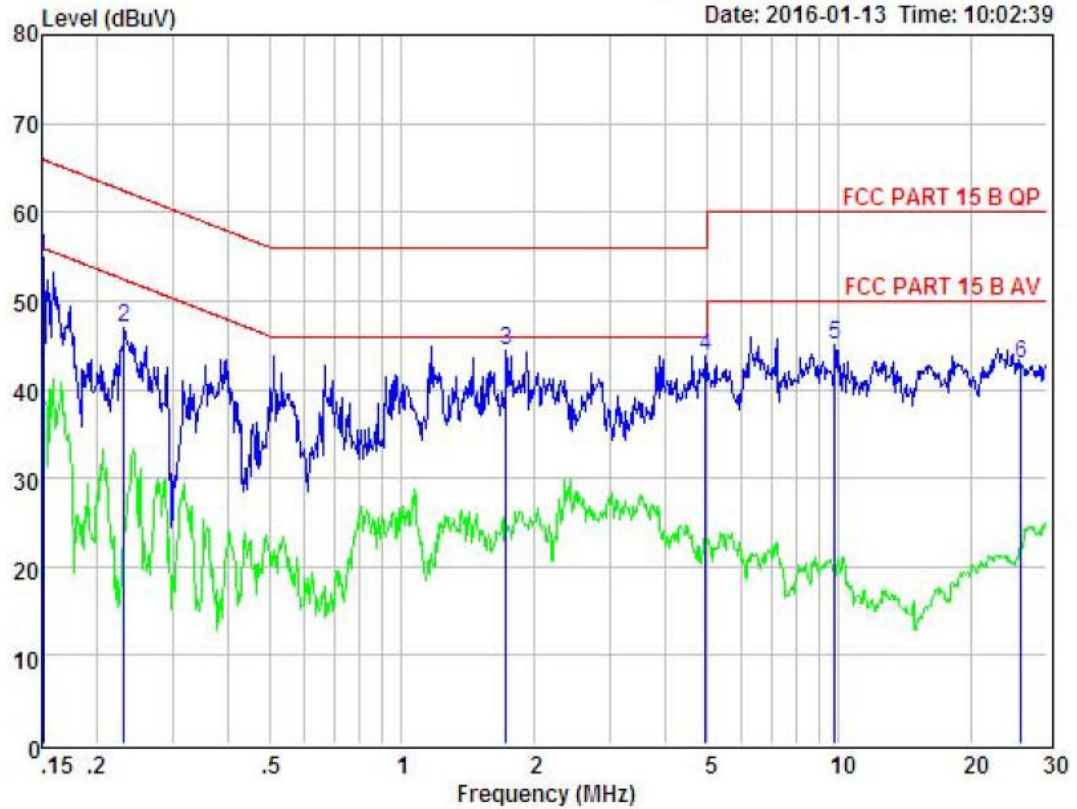
Detailed information please see the following page.

802.11b ant1:

Data: 19

File: E:\TEST REPORT\H\HouTian\VRP5G.EM6 (24)

Date: 2016-01-13 Time: 10:02:39



Condition : F----- B QP POL: LINE Temp:25.7 °C Hum:51 %

EUT :

Model No : VRP5G

Test Mode :

Power : AC 120V/60Hz

Test Engineer:

Remark :

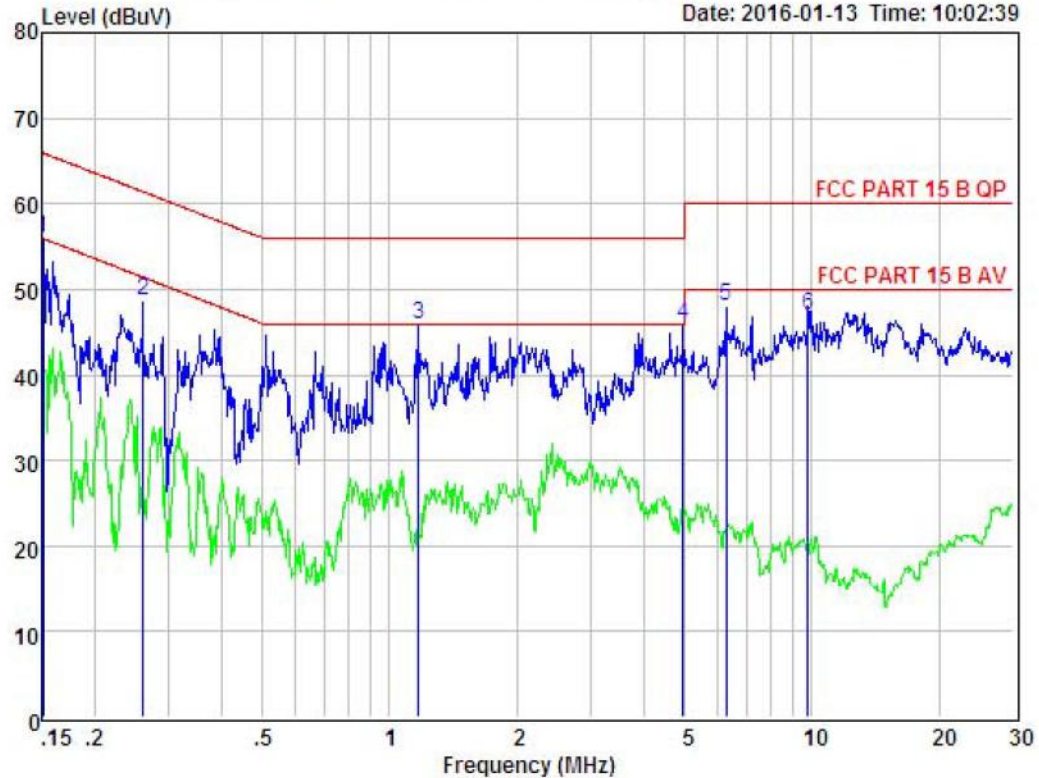
| Item | Freq<br>MHz | Read<br>dBuV | LISN<br>Factor<br>dB | Preamp<br>Factor<br>dB | Cable<br>Loss<br>dB | Level<br>dBuV | Limit<br>dBuV | Margin<br>dBuV | Remark |
|------|-------------|--------------|----------------------|------------------------|---------------------|---------------|---------------|----------------|--------|
| 1    | 0.151       | 45.23        | 0.03                 | -9.49                  | 0.10                | 54.85         | 65.96         | -11.11         | Peak   |
| 2    | 0.232       | 37.25        | 0.03                 | -9.52                  | 0.10                | 46.90         | 62.39         | -15.49         | Peak   |
| 3    | 1.734       | 34.51        | 0.05                 | -9.70                  | 0.10                | 44.36         | 56.00         | -11.64         | Peak   |
| 4    | 4.952       | 33.69        | 0.10                 | -9.93                  | 0.12                | 43.84         | 56.00         | -12.16         | Peak   |
| 5    | 9.809       | 34.66        | 0.18                 | -9.93                  | 0.20                | 44.97         | 60.00         | -15.03         | Peak   |
| 6    | 26.139      | 32.02        | 0.46                 | -9.83                  | 0.52                | 42.83         | 60.00         | -17.17         | Peak   |

Remarks: Level = Read + LISN Factor - Preamp Factor + Cable loss

Data: 17

File: E:\TEST REPORT\H\HouTian\VRP5G.EM6 (24)

Date: 2016-01-13 Time: 10:02:39



Condition : FCC PART 15 B QP POL: NEUTRAL Temp:25.7 °C Hum:51 %  
 EUT :  
 Model No :  
 Test Mode :  
 Power : AC 120V/60Hz  
 Test Engineer:  
 Remark :

| Item | Freq<br>MHz | Read<br>dBUV | LISN<br>Factor<br>dB | Preamp<br>Factor<br>dB | Cable<br>Loss<br>dB | Level<br>dBUV | Limit<br>dBUV | Margin<br>dBUV | Remark |
|------|-------------|--------------|----------------------|------------------------|---------------------|---------------|---------------|----------------|--------|
| 1    | 0.151       | 46.32        | 0.03                 | -9.49                  | 0.10                | 55.94         | 65.96         | -10.02         | Peak   |
| 2    | 0.260       | 39.05        | 0.03                 | -9.56                  | 0.10                | 48.74         | 61.42         | -12.68         | Peak   |
| 3    | 1.172       | 36.13        | 0.04                 | -9.65                  | 0.10                | 45.92         | 56.00         | -10.08         | Peak   |
| 4    | 4.952       | 35.69        | 0.10                 | -9.93                  | 0.12                | 45.84         | 56.00         | -10.16         | Peak   |
| 5    | 6.285       | 37.72        | 0.12                 | -9.97                  | 0.14                | 47.95         | 60.00         | -12.05         | Peak   |
| 6    | 9.809       | 36.66        | 0.18                 | -9.93                  | 0.20                | 46.97         | 60.00         | -13.03         | Peak   |

Remarks: Level = Read + LISN Factor - Preamp Factor + Cable loss

## 7 Conducted Maximum Output Power

### 7.1 Test limit

Please refer section RSS-247 & 15.247.

### 7.2 Test Procedure

Details see the KDB558074 Meas Guidance V03

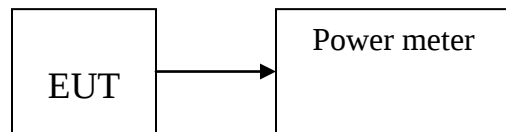
7.2.1 Place the EUT on the table and set it in transmitting mode.

7.2.2 Measure out each mode and each bands peak output power of EUT.

Note: The cable loss and attenuator loss were offset into measure device as amplitude offset.

Details see the KDB558074 DTS Meas Guidance V03

### 7.3 Test Setup



### 7.4 Test Results

**PASS**

Detailed information please see the following page.

| EUT: WiFi Repeater                   |                 | M/N: VRP5G            |                        |             |
|--------------------------------------|-----------------|-----------------------|------------------------|-------------|
| Test date: 2016-1-13                 |                 | Test site: RF site    | Tested by: Simple Guan |             |
| Mode                                 | Frequency (MHz) | PK Output power (dBm) | Limit (dBm)            | Margin (dB) |
| IEEE 802.11 b                        | CH1: 2412       | 12.31                 | 30                     | 17.69       |
|                                      | CH6: 2437       | 11.99                 | 30                     | 18.01       |
|                                      | CH11: 2462      | 13.70                 | 30                     | 16.30       |
| IEEE 802.11 g                        | CH1: 2412       | 10.59                 | 30                     | 19.41       |
|                                      | CH6: 2437       | 11.69                 | 30                     | 18.31       |
|                                      | CH11: 2462      | 12.45                 | 30                     | 17.55       |
| IEEE 802.11 n/HT20                   | CH1: 2412       | 10.31                 | 28                     | 17.69       |
|                                      | CH6: 2437       | 11.52                 | 28                     | 16.48       |
|                                      | CH11: 2462      | 10.51                 | 28                     | 17.49       |
| IEEE 802.11 n/HT40                   | CH1: 2422       | 10.73                 | 28                     | 17.27       |
|                                      | CH4: 2437       | 11.38                 | 28                     | 16.62       |
|                                      | CH7: 2452       | 11.94                 | 28                     | 16.06       |
| Note: This test with port 1 antenna. |                 |                       |                        |             |
| Conclusion: PASS                     |                 |                       |                        |             |

| EUT: WiFi Repeater                   |                 | M/N: VRP5G            |                        |             |
|--------------------------------------|-----------------|-----------------------|------------------------|-------------|
| Test date: 2016-1-13                 |                 | Test site: RF site    | Tested by: Simple Guan |             |
| Mode                                 | Frequency (MHz) | PK Output power (dBm) | Limit (dBm)            | Margin (dB) |
| IEEE 802.11 b                        | CH1: 2412       | 11.60                 | 30                     | 18.40       |
|                                      | CH6: 2437       | 11.57                 | 30                     | 18.43       |
|                                      | CH11: 2462      | 11.34                 | 30                     | 18.66       |
| IEEE 802.11 g                        | CH1: 2412       | 10.62                 | 30                     | 19.38       |
|                                      | CH6: 2437       | 10.94                 | 30                     | 19.06       |
|                                      | CH11: 2462      | 10.48                 | 30                     | 19.52       |
| IEEE 802.11 n/HT20                   | CH1: 2412       | 10.16                 | 28                     | 17.84       |
|                                      | CH6: 2437       | 11.14                 | 28                     | 16.86       |
|                                      | CH11: 2462      | 10.28                 | 28                     | 17.72       |
| IEEE 802.11 n/HT40                   | CH1: 2422       | 9.94                  | 28                     | 18.06       |
|                                      | CH4: 2437       | 10.18                 | 28                     | 17.82       |
|                                      | CH7: 2452       | 10.10                 | 28                     | 17.90       |
| Note: This test with port 2 antenna. |                 |                       |                        |             |
| Conclusion: PASS                     |                 |                       |                        |             |

| EUT: WiFi Repeater                                                                            |                 | M/N: VRP5G            |                        |             |
|-----------------------------------------------------------------------------------------------|-----------------|-----------------------|------------------------|-------------|
| Test date: 2016-1-13                                                                          |                 | Test site: RF site    | Tested by: Simple Guan |             |
| Mode                                                                                          | Frequency (MHz) | PK Output power (dBm) | Limit (dBm)            | Margin (dB) |
| IEEE 802.11 n/HT20                                                                            | CH1: 2412       | 13.25                 | 28                     | 14.75       |
|                                                                                               | CH6: 2437       | 14.34                 | 28                     | 13.66       |
|                                                                                               | CH11: 2462      | 13.41                 | 28                     | 14.59       |
| IEEE 802.11 n/HT40                                                                            | CH1: 2422       | 13.36                 | 28                     | 14.64       |
|                                                                                               | CH4: 2437       | 13.83                 | 28                     | 14.17       |
|                                                                                               | CH7: 2452       | 14.13                 | 28                     | 13.87       |
| Note: 1 This result with port 1 and port 2 antenna.                                           |                 |                       |                        |             |
| 2 According to KDB 662911, Result power = $10\log(10^{\text{ant1}/10} + 10^{\text{ant2}/10})$ |                 |                       |                        |             |
| 3 Result unit: W, The end PK Output power result is converted to units of dBm.                |                 |                       |                        |             |
| Conclusion: PASS                                                                              |                 |                       |                        |             |

## 8 PEAK POWER SPECTRAL DENSITY

### 8.1 Test limit

8.1.1 Please refer section RSS-247 & 15.247.

8.1.2 For direct sequence systems, the peak power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3kHz band during any time interval of continuous transmission.

8.1.3 The direct sequence operating of the hybrid system, with the frequency hopping operation turned off, shall comply with the power density requirements of paragraph (d) of this section.

### 8.2 Method of measurement

Details see the KDB558074 DTS Meas Guidance V03

8.2.1 Place the EUT on the table and set it in transmitting mode.

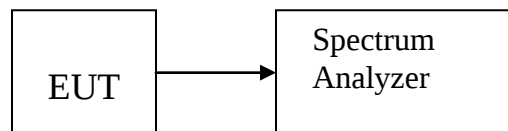
8.2.2 Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.

8.2.3 Set the spectrum analyzer as RBW = 3kHz, VBW = 10kHz, span=5-30%EBW, detail see the test plot.

8.2.4 Record the max reading.

8.2.5 Repeat the above procedure until the measurements for all frequencies are completed.

### 8.3 Test Setup



## 8.4 Test Results

PASS.

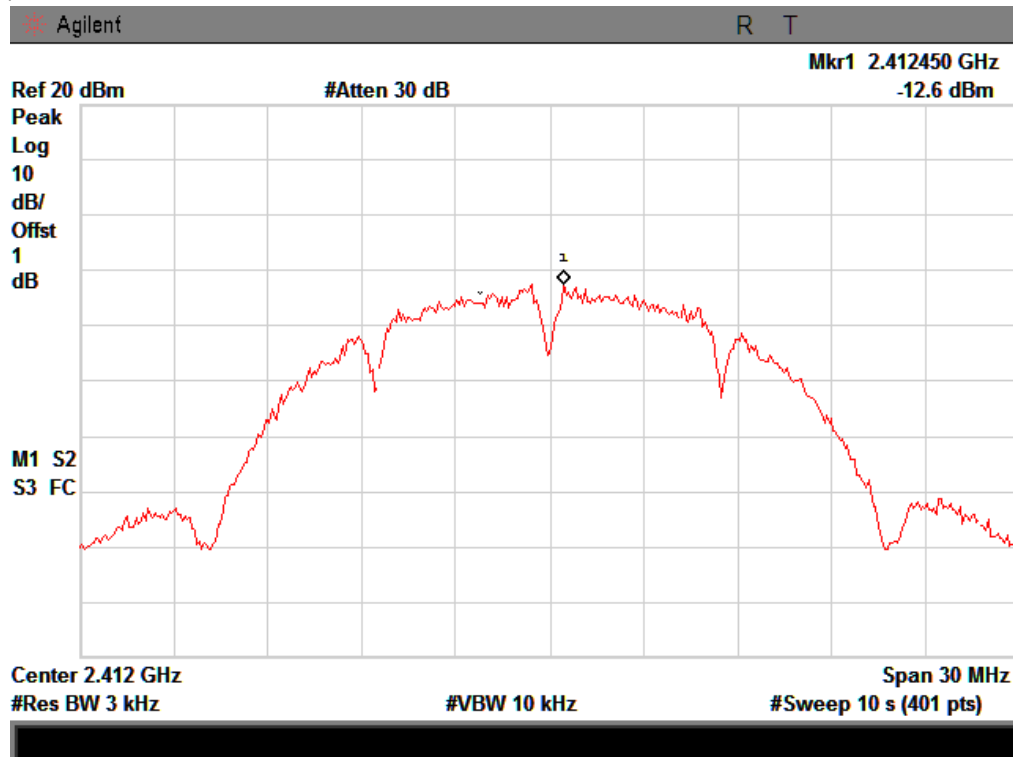
Detailed information please see the following page.

| Channel                              | Frequency (MHz) | Power Spectral Density (dBm) | Limit (dBm) | Result |
|--------------------------------------|-----------------|------------------------------|-------------|--------|
| IEEE 802.11b:                        |                 |                              |             |        |
| Low                                  | 2412            | -12.60                       | 8           | PASS   |
| Mid                                  | 2437            | -11.93                       | 8           | PASS   |
| High                                 | 2462            | -11.18                       | 8           | PASS   |
| IEEE 802.11g:                        |                 |                              |             |        |
| Low                                  | 2412            | -19.42                       | 8           | PASS   |
| Mid                                  | 2437            | -17.40                       | 8           | PASS   |
| High                                 | 2462            | -19.05                       | 8           | PASS   |
| IEEE 802.11n/HT20                    |                 |                              |             |        |
| Low                                  | 2412            | -19.01                       | 8           | PASS   |
| Mid                                  | 2437            | -18.17                       | 8           | PASS   |
| High                                 | 2462            | -16.79                       | 8           | PASS   |
| IEEE 802.11n/HT40                    |                 |                              |             |        |
| Low                                  | 2422            | -21.40                       | 8           | PASS   |
| Mid                                  | 2437            | -21.84                       | 8           | PASS   |
| High                                 | 2452            | -20.56                       | 8           | PASS   |
| Note: This test with port 1 antenna. |                 |                              |             |        |

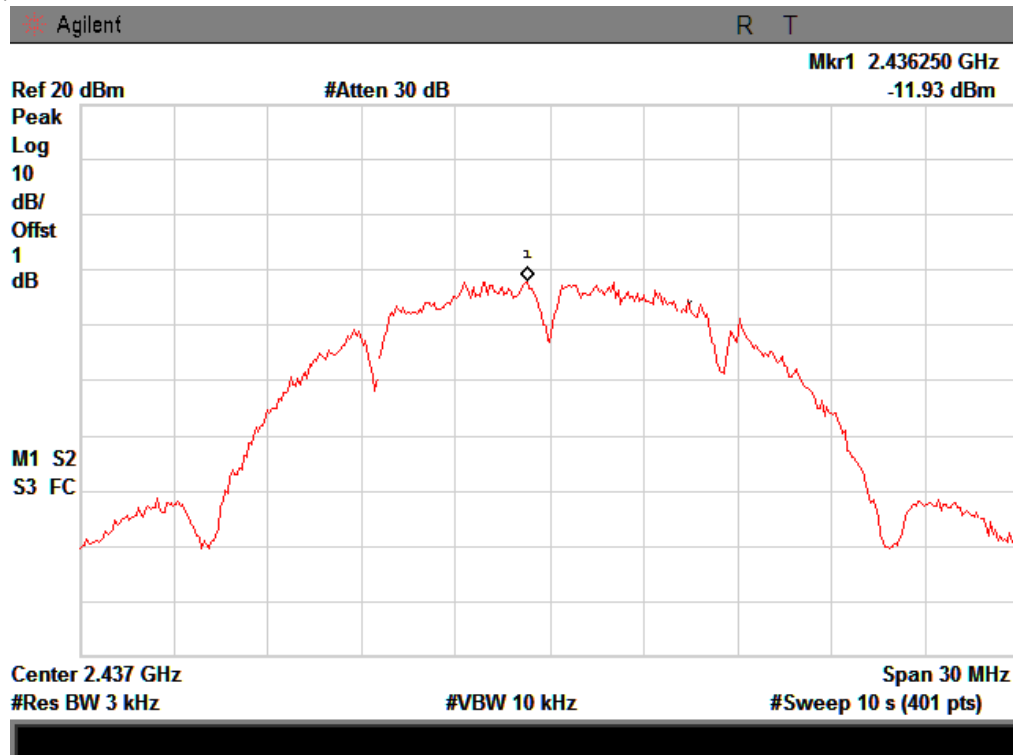
| Channel                              | Frequency (MHz) | Power Spectral Density (dBm) | Limit (dBm) | Result |
|--------------------------------------|-----------------|------------------------------|-------------|--------|
| IEEE 802.11b:                        |                 |                              |             |        |
| Low                                  | 2412            | -15.39                       | 8           | PASS   |
| Mid                                  | 2437            | -14.09                       | 8           | PASS   |
| High                                 | 2462            | -14.20                       | 8           | PASS   |
| IEEE 802.11g:                        |                 |                              |             |        |
| Low                                  | 2412            | -19.60                       | 8           | PASS   |
| Mid                                  | 2437            | -18.47                       | 8           | PASS   |
| High                                 | 2462            | -19.87                       | 8           | PASS   |
| IEEE 802.11n/HT20                    |                 |                              |             |        |
| Low                                  | 2412            | -21.46                       | 8           | PASS   |
| Mid                                  | 2437            | -20.75                       | 8           | PASS   |
| High                                 | 2462            | -20.69                       | 8           | PASS   |
| IEEE 802.11n/HT40 with 2.4G:         |                 |                              |             |        |
| Low                                  | 2422            | -22.82                       | 8           | PASS   |
| Mid                                  | 2437            | -22.39                       | 8           | PASS   |
| High                                 | 2452            | -22.96                       | 8           | PASS   |
| Note: This test with port 2 antenna. |                 |                              |             |        |

| Channel                                                                                                                                                                                                                                | Frequency (MHz) | Power Spectral Density (dBm) | Limit (dBm) | Result |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------|-------------|--------|
| IEEE 802.11n/HT20                                                                                                                                                                                                                      |                 |                              |             |        |
| Low                                                                                                                                                                                                                                    | 2412            | -17.05                       | 8           | PASS   |
| Mid                                                                                                                                                                                                                                    | 2437            | -16.26                       | 8           | PASS   |
| High                                                                                                                                                                                                                                   | 2462            | -15.31                       | 8           | PASS   |
| IEEE 802.11n/HT40 with 2.4G:                                                                                                                                                                                                           |                 |                              |             |        |
| Low                                                                                                                                                                                                                                    | 2422            | -19.04                       | 8           | PASS   |
| Mid                                                                                                                                                                                                                                    | 2437            | -19.10                       | 8           | PASS   |
| High                                                                                                                                                                                                                                   | 2452            | -18.59                       | 8           | PASS   |
| Note: 1 This result with port 1 and port 2 antenna.<br>2 According to KDB 662911, Result power = $10\log(10^{\text{ant1}/10} + 10^{\text{ant2}/10})$<br>3 Result unit: W, The end PK Output power result is converted to units of dBm. |                 |                              |             |        |

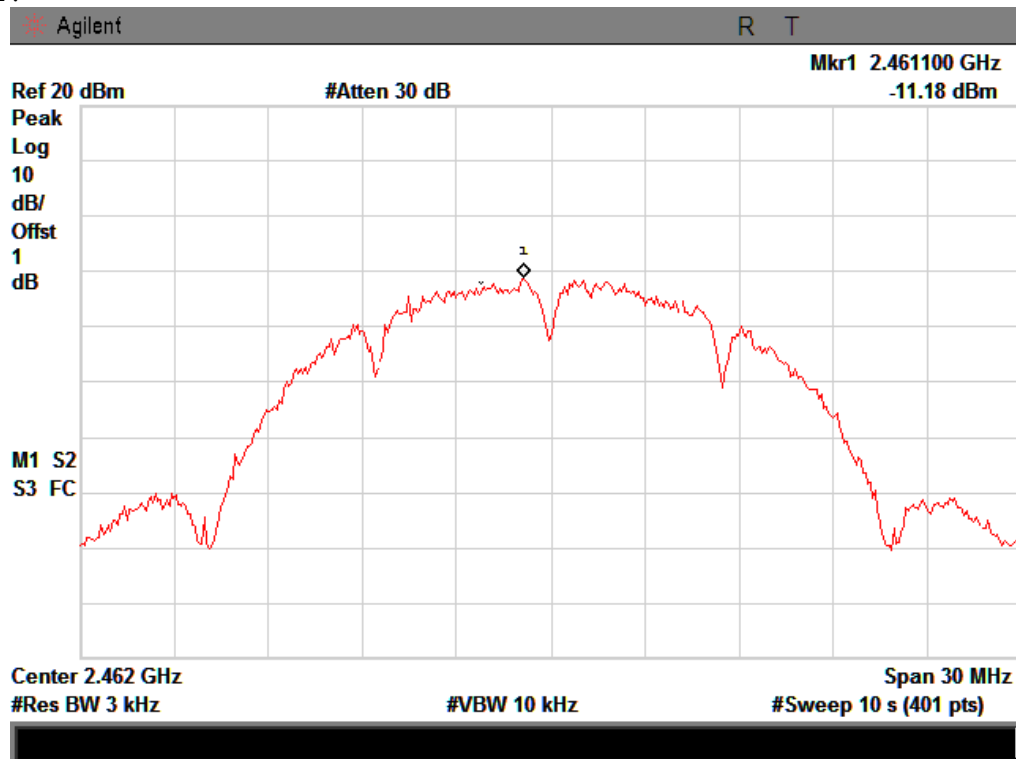
With port 1 antenna  
IEEE 802.11b:  
CH Low :



CH Mid :

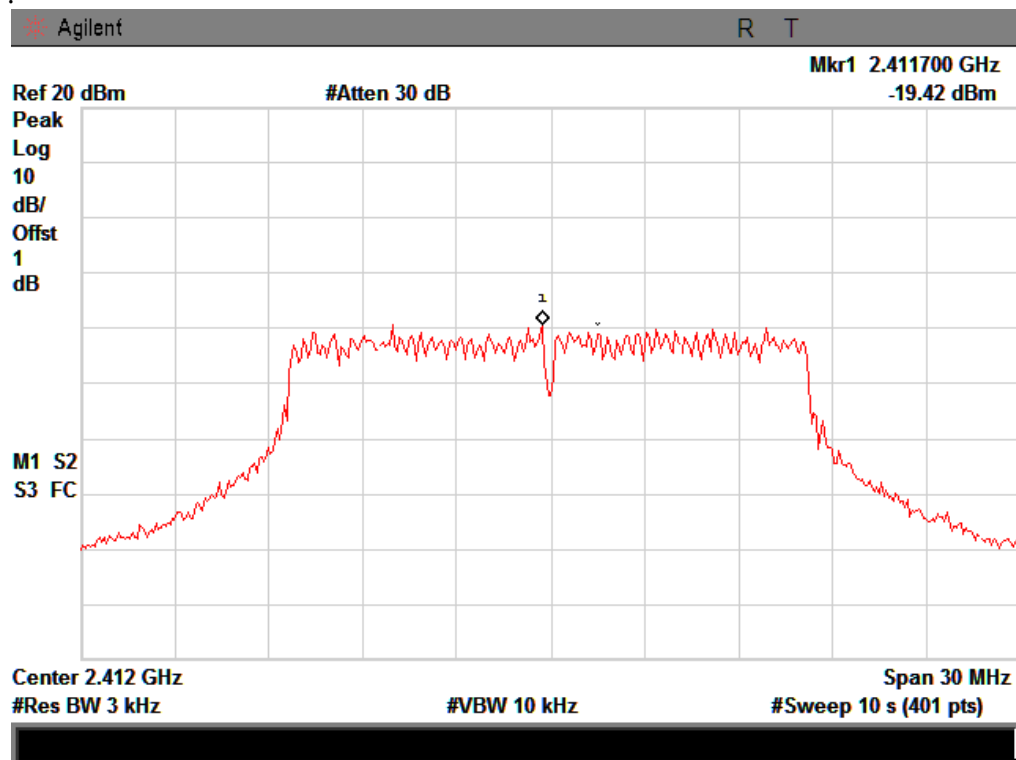


CH High :

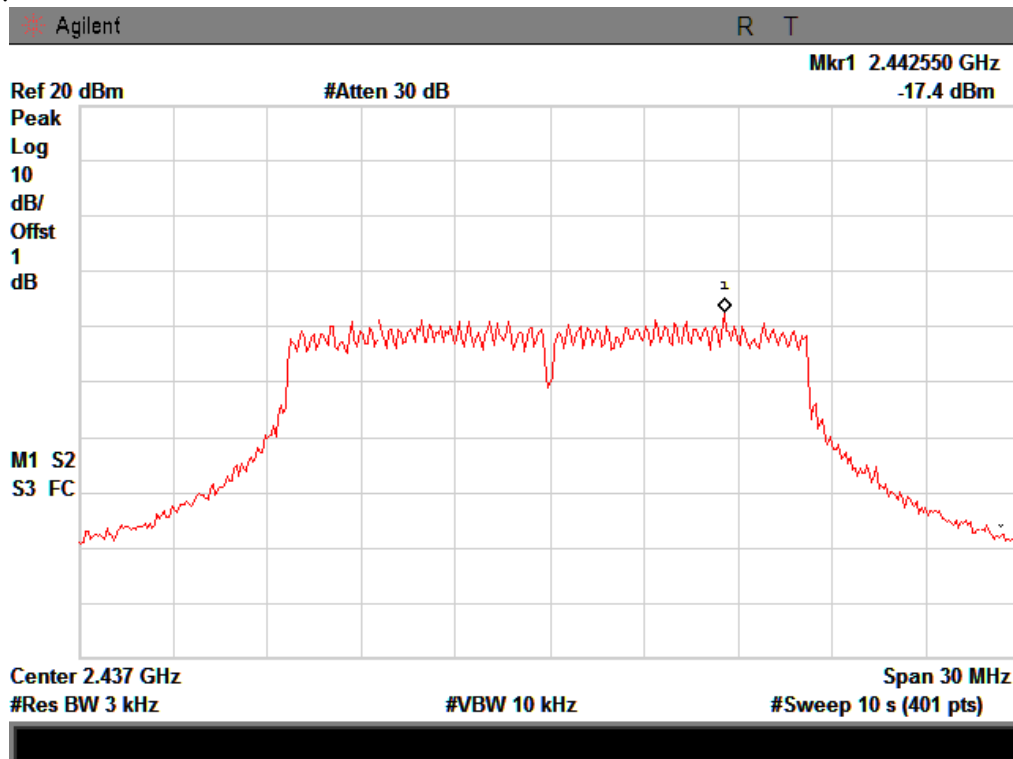


IEEE 802.11g:

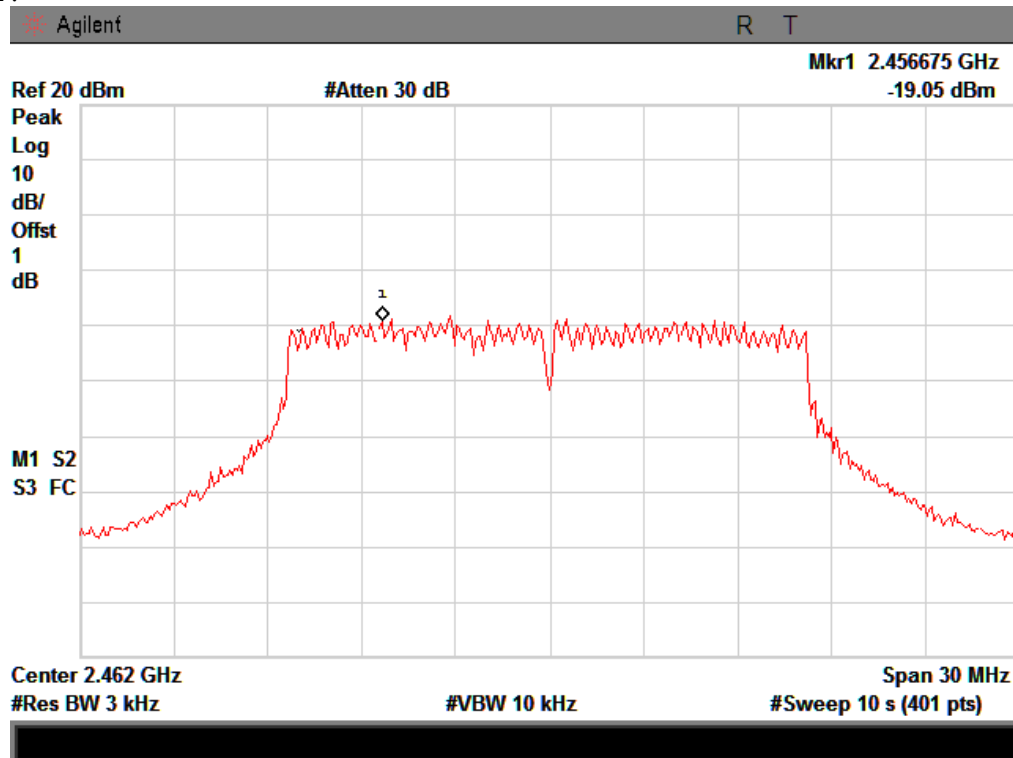
CH Low :



CH Mid :

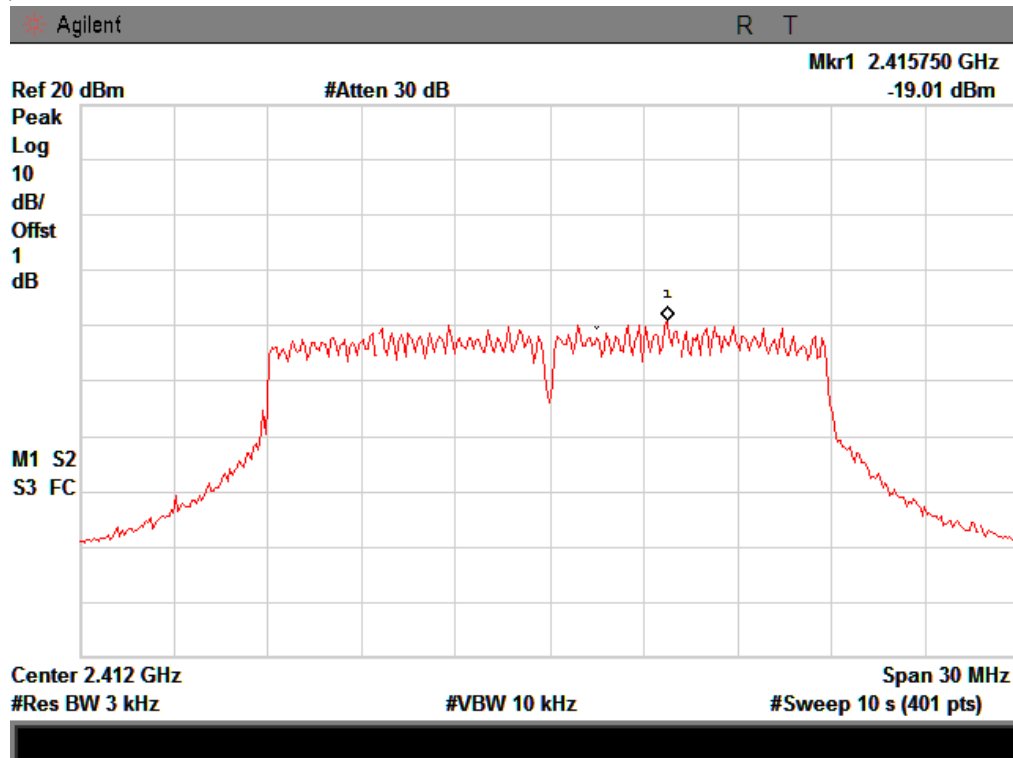


CH High :

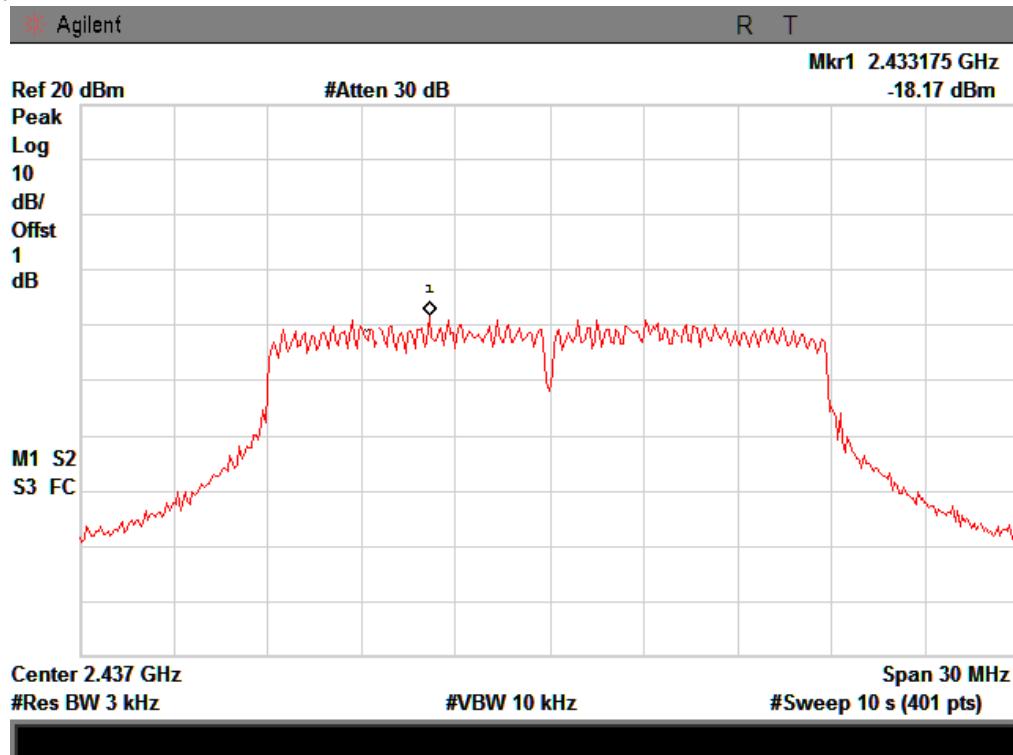


IEEE 802.11n/HT20:

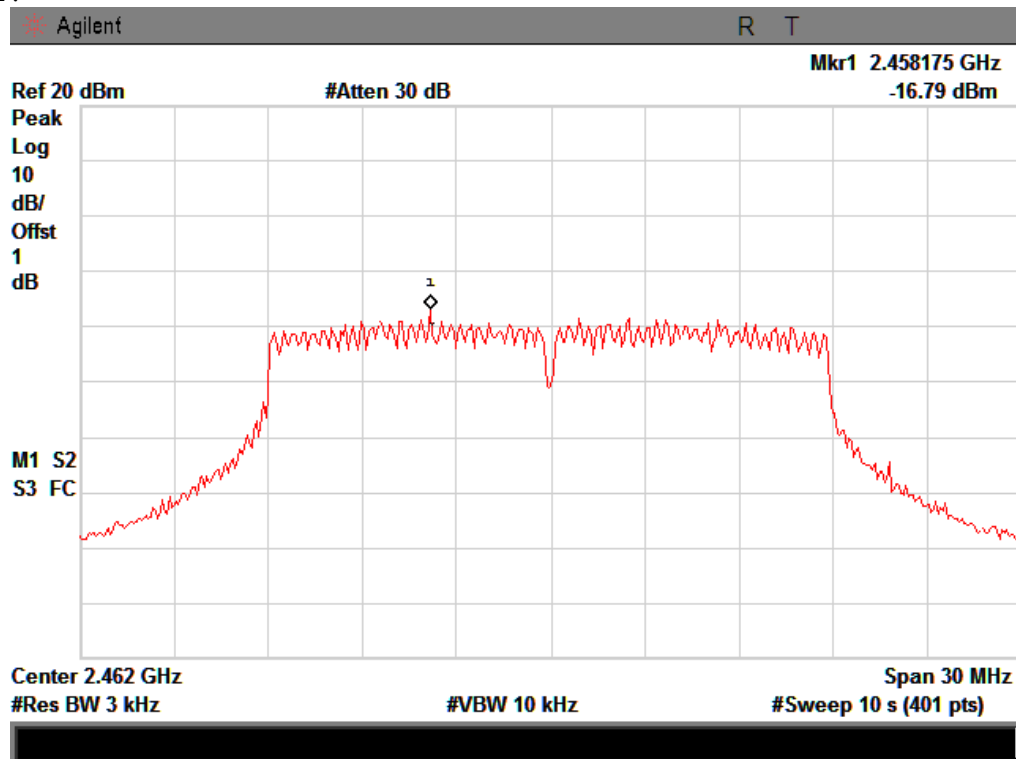
CH Low :



CH Mid :

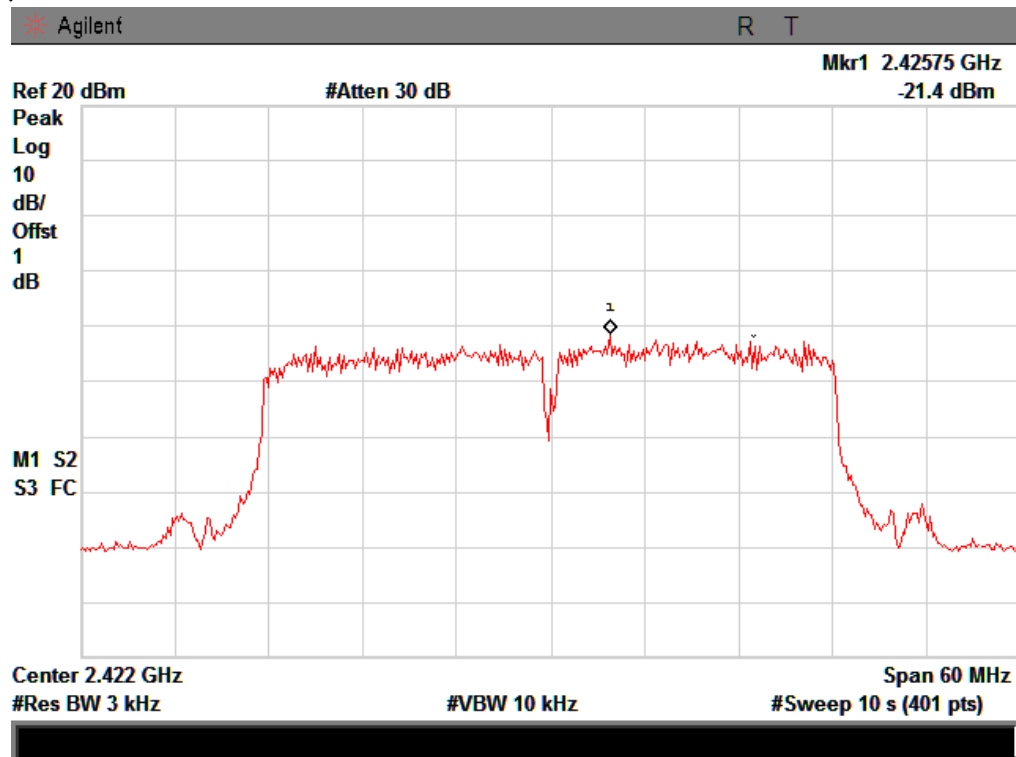


CH High :

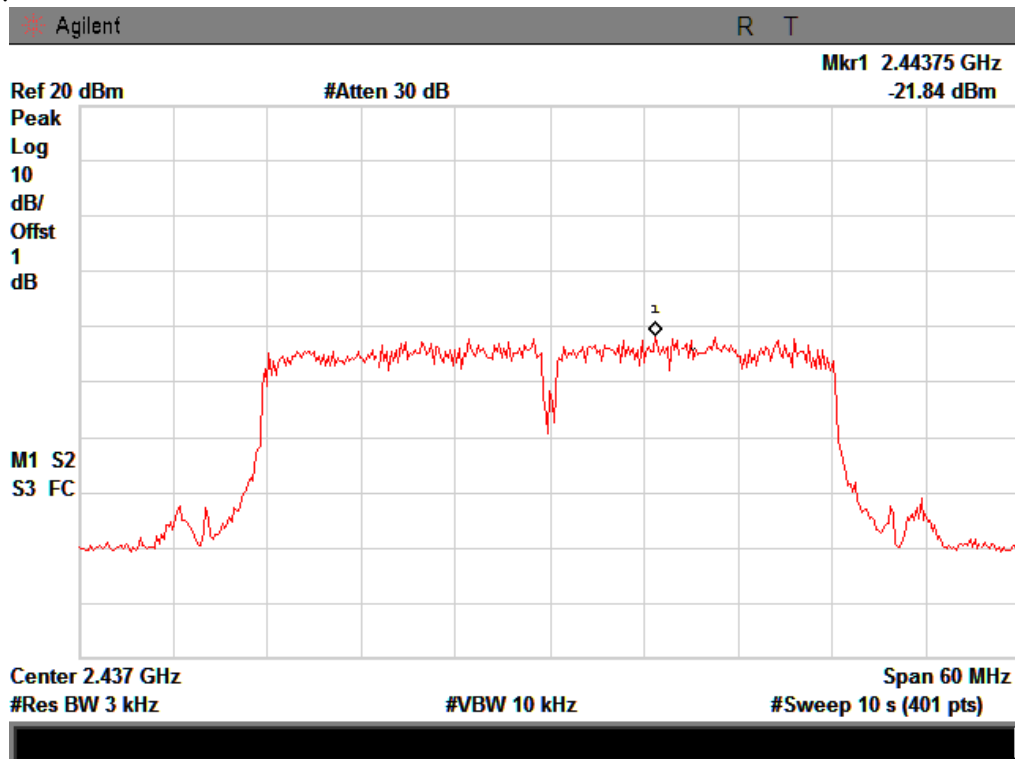


IEEE 802.11n/HT40:

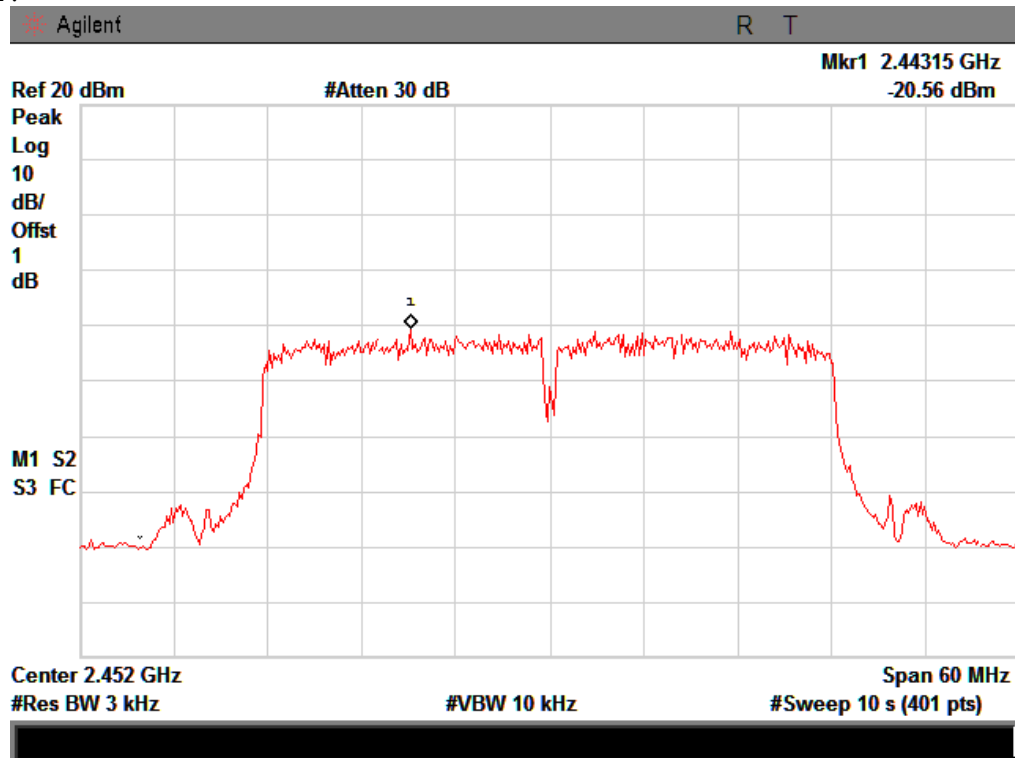
CH Low :



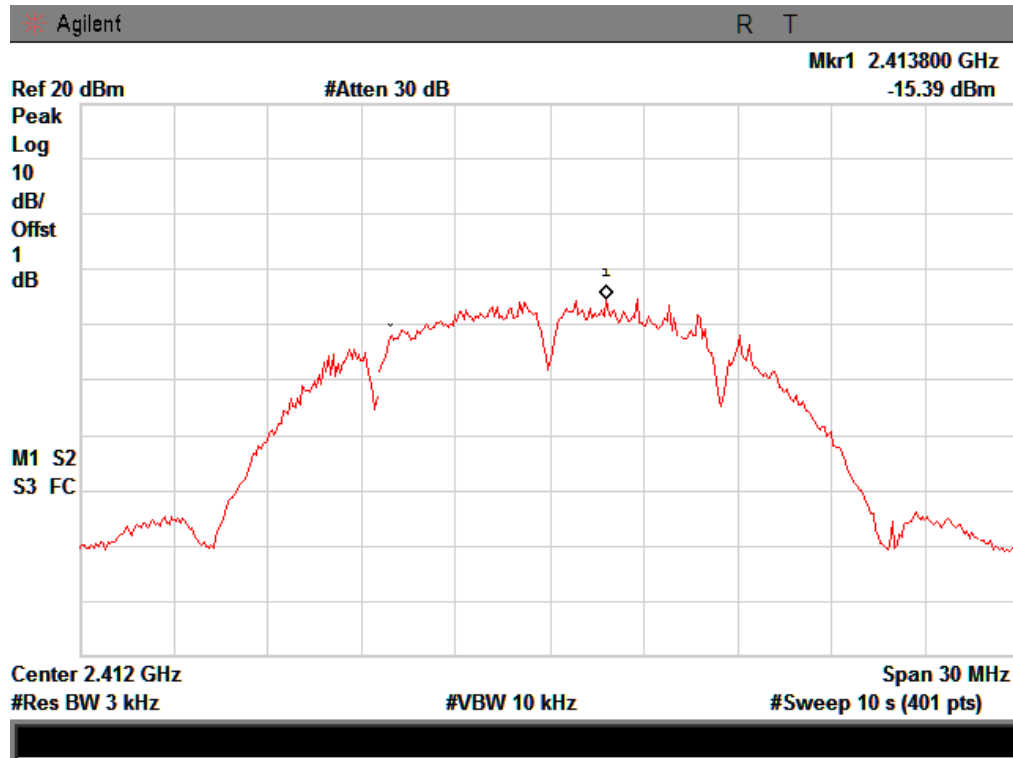
CH Mid :



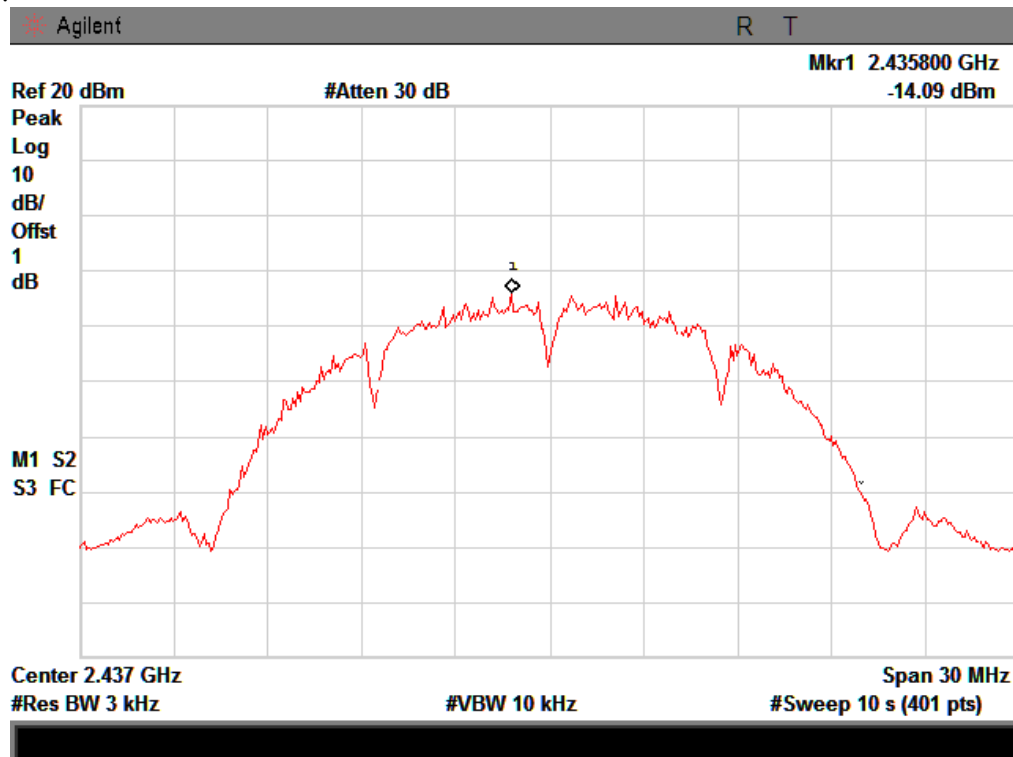
CH High :



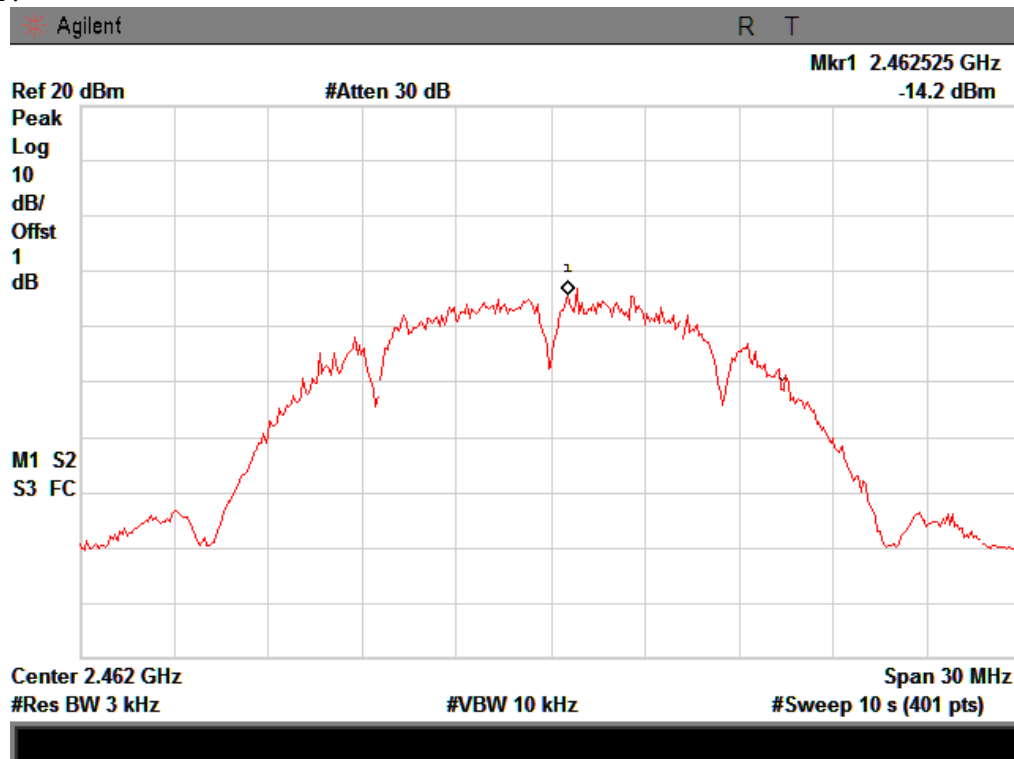
With port 2 antenna  
IEEE 802.11b:  
CH Low :



CH Mid :

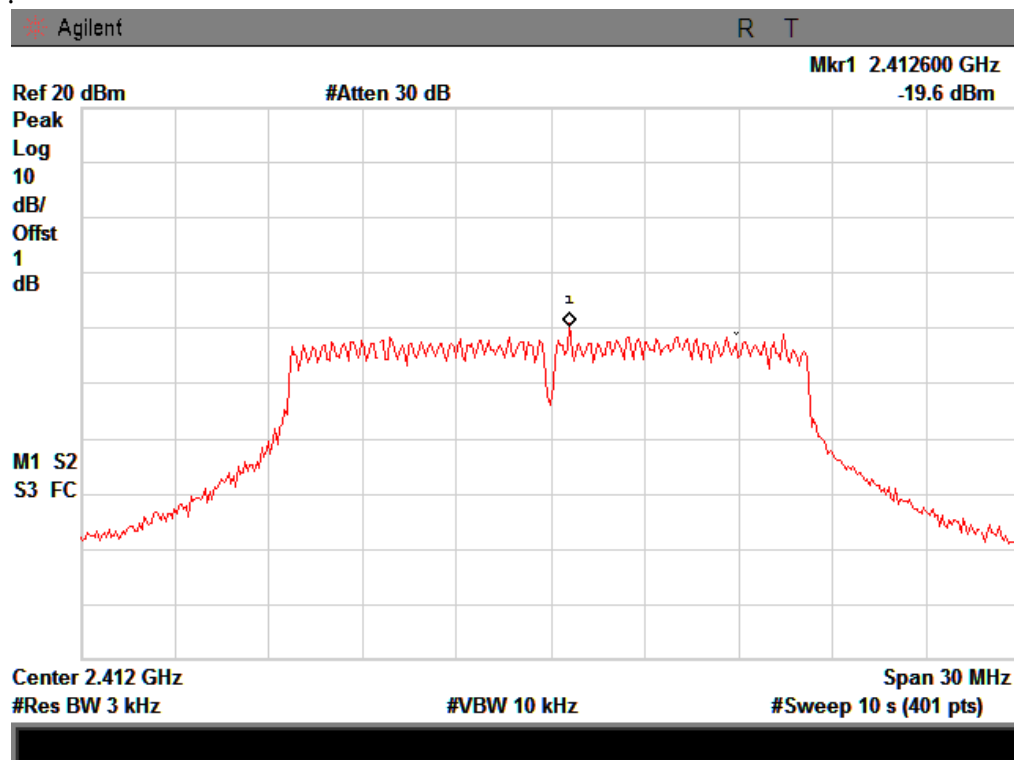


CH High :

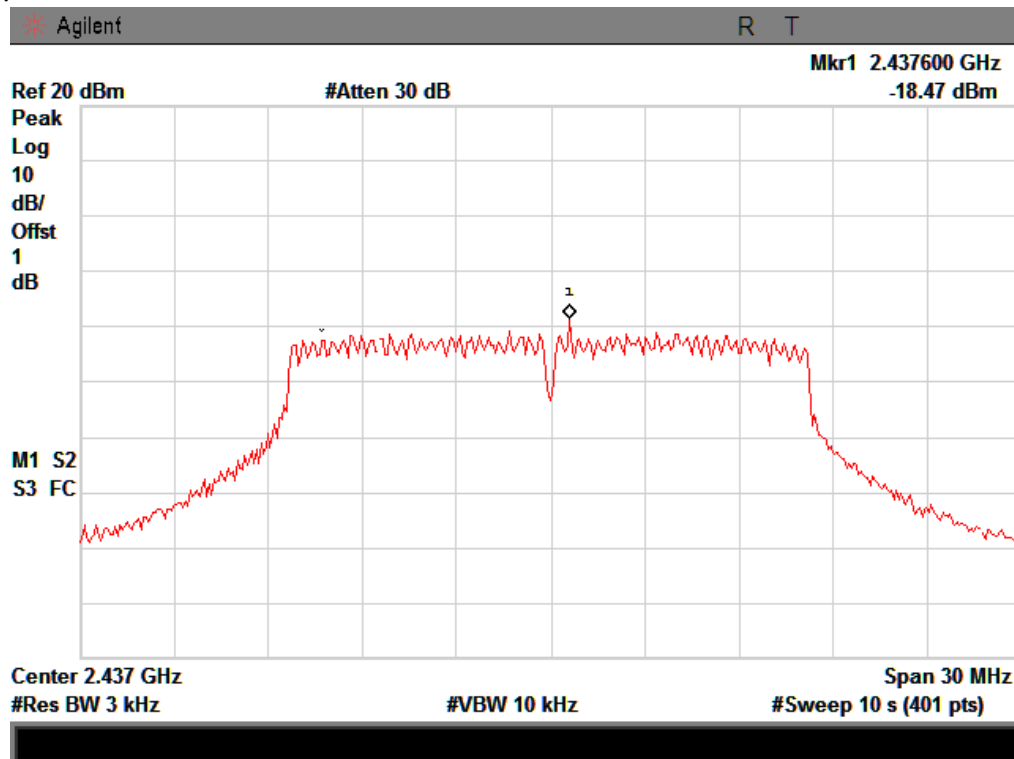


IEEE 802.11g:

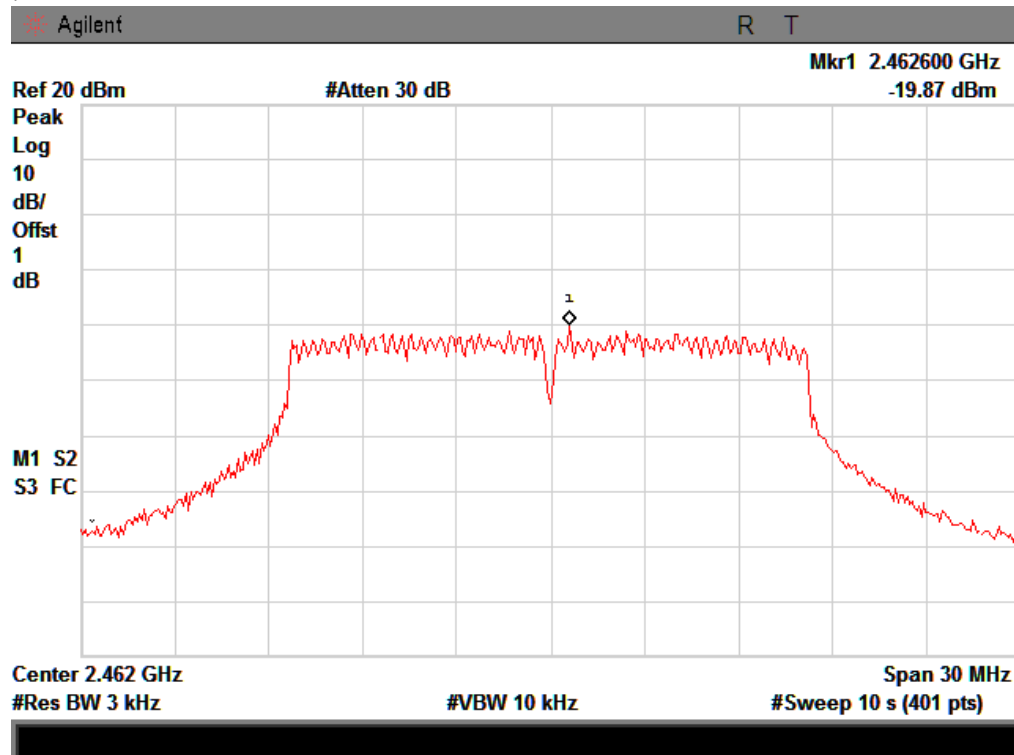
CH Low :



CH Mid :

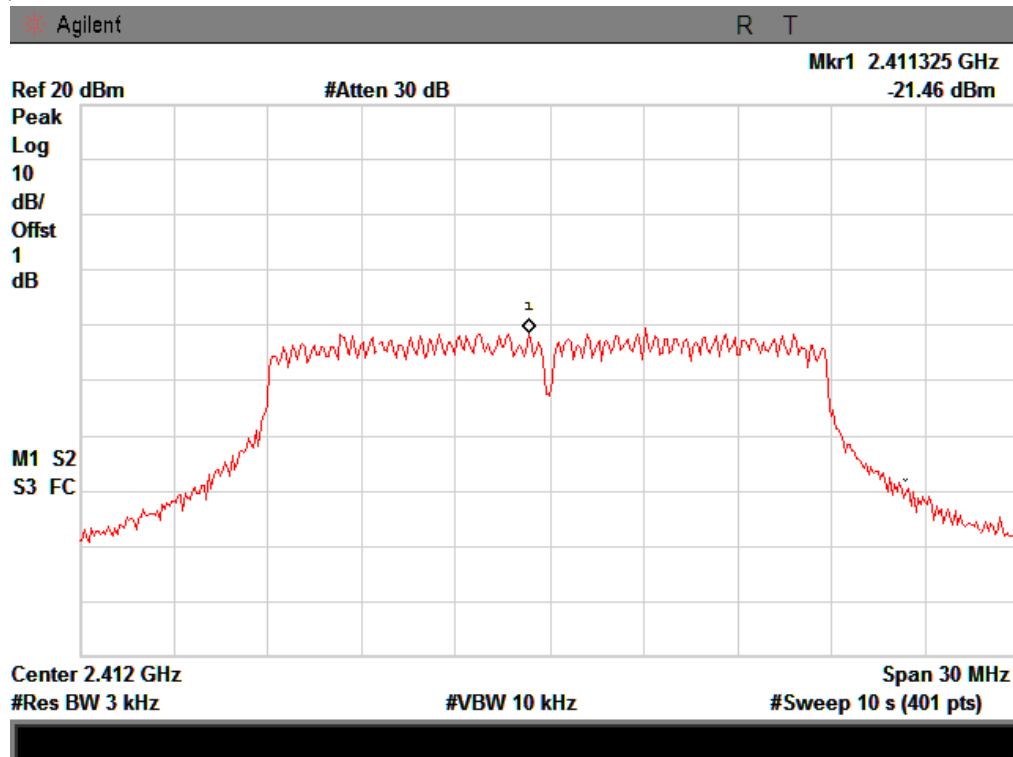


CH High :

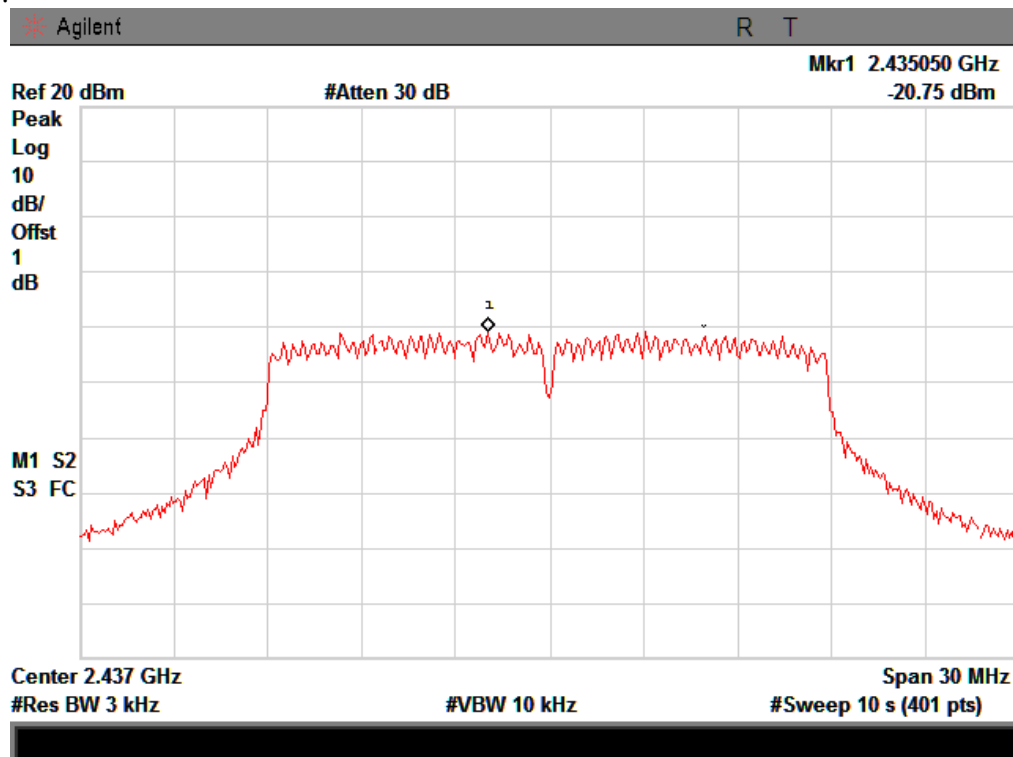


IEEE 802.11 n/HT20:

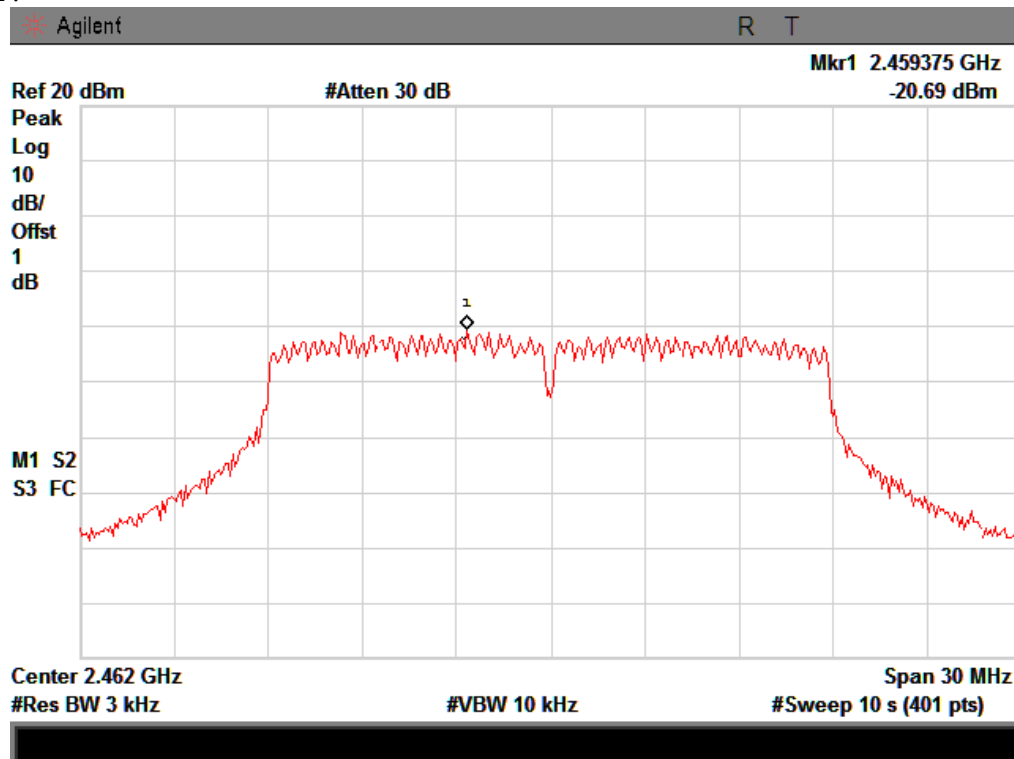
CH Low :



CH Mid :

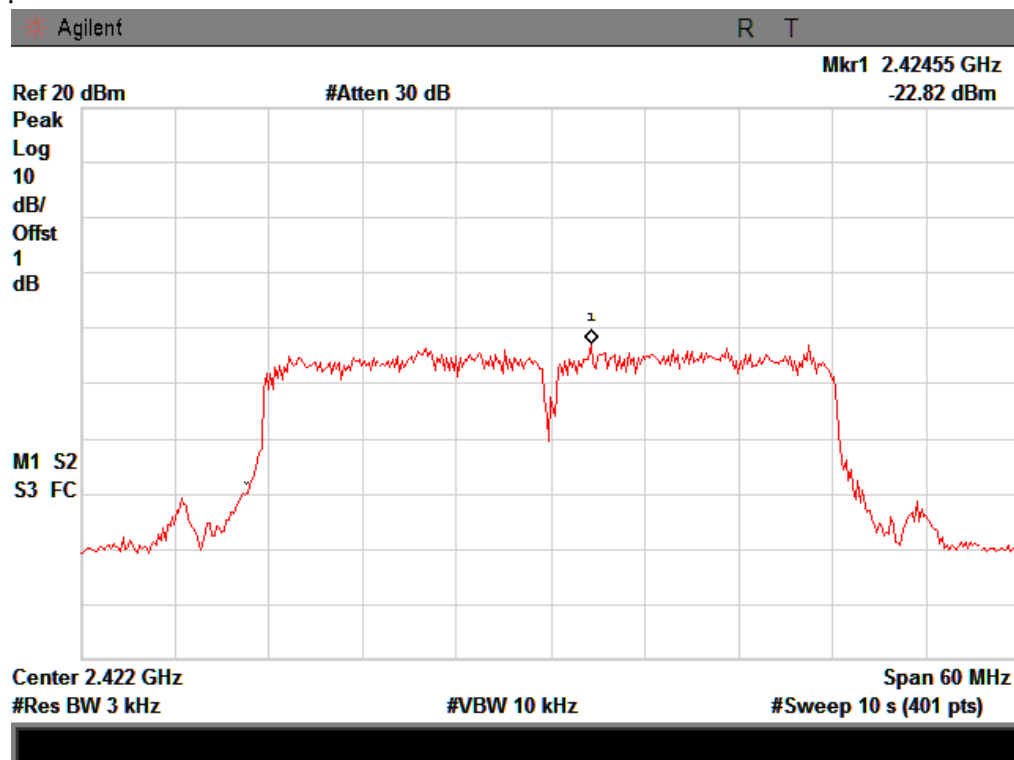


CH High :

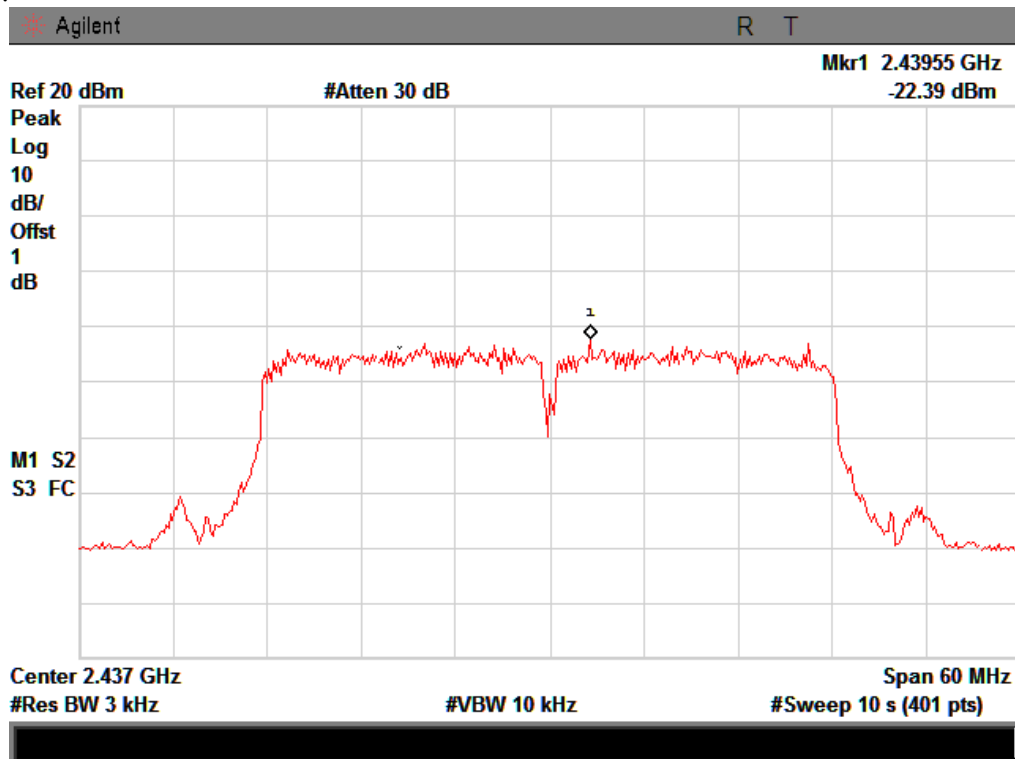


IEEE 802.11n/HT40:

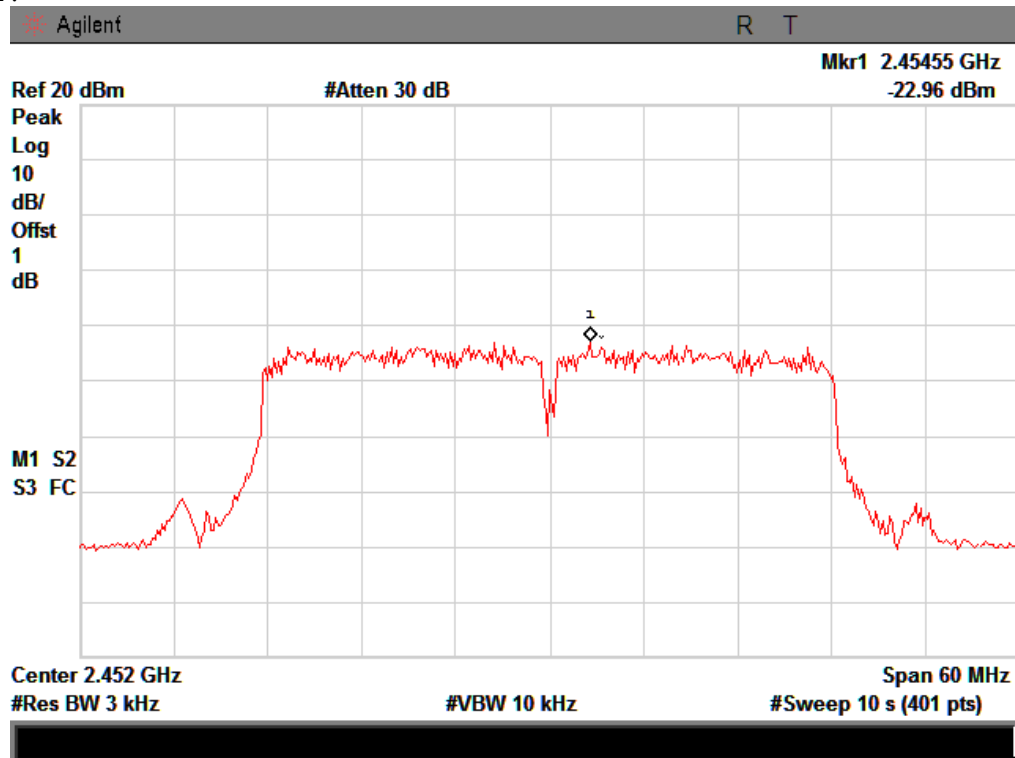
CH Low :



CH Mid :



CH High :



## 9 Bandwidth

### 9.1 Test limit

Please refer section RSS-247 & 15.247

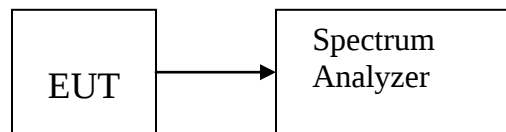
For direct sequence systems, the minimum 6dB bandwidth shall be at least 500 kHz.

### 9.2 Method of measurement

Details see the KDB558074 D01 Meas Guidance

- a) The bandwidth is measured at an amplitude level reduced 20dB from the reference level. The reference level is the level of the highest amplitude signal observed from the transmitter at the fundamental frequency. Once the reference level is established, the equipment is conditioned with typical modulating signal to produce the worst-case (i.e. the widest) bandwidth.
- b) The test receiver set RBW = 100KHz, VBW  $\geq$  300KHz, Sweep time set auto, PEAK Detector, detail see the test plot.

### 9.3 Test Setup



### 9.4 Test Results

PASS.

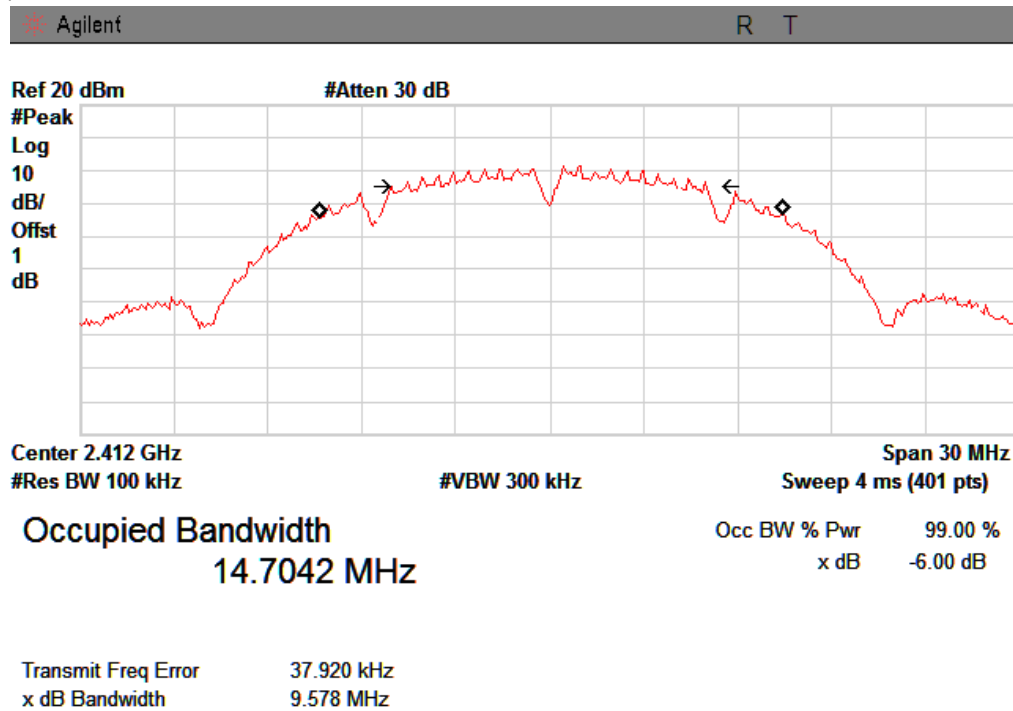
Antenna 0 and Antenna 1port all have been tested ,  
only worse case is reported

Detailed information please see the following page.

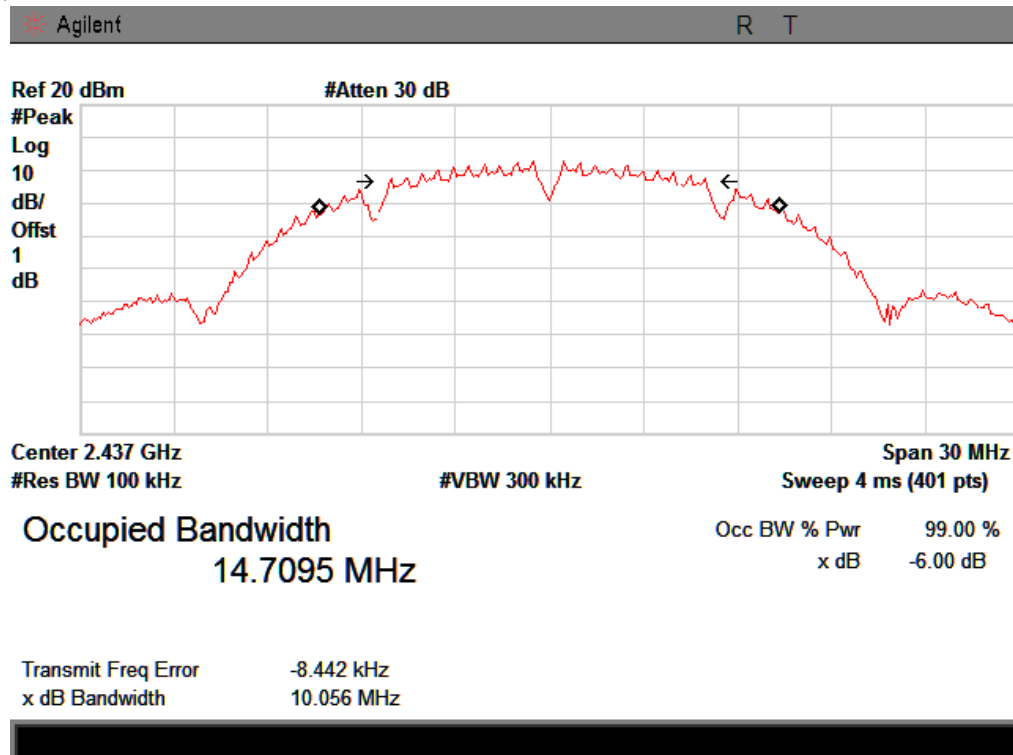
| Channel                              | Frequency (MHz) | 6dB Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | Limit (MHz) | Result |
|--------------------------------------|-----------------|---------------------|------------------------------|-------------|--------|
| IEEE 802.11b:                        |                 |                     |                              |             |        |
| Low                                  | 2412            | 9.58                | 14.70                        | 0.5         | PASS   |
| Mid                                  | 2437            | 10.06               | 14.71                        | 0.5         | PASS   |
| High                                 | 2462            | 10.09               | 14.76                        | 0.5         | PASS   |
| IEEE 802.11g:                        |                 |                     |                              |             |        |
| Low                                  | 2412            | 16.31               | 16.42                        | 0.5         | PASS   |
| Mid                                  | 2437            | 16.29               | 16.44                        | 0.5         | PASS   |
| High                                 | 2462            | 16.33               | 16.42                        | 0.5         | PASS   |
| IEEE 802.11n/HT20:                   |                 |                     |                              |             |        |
| Low                                  | 2412            | 17.18               | 17.58                        | 0.5         | PASS   |
| Mid                                  | 2437            | 17.09               | 17.59                        | 0.5         | PASS   |
| High                                 | 2462            | 17.30               | 17.58                        | 0.5         | PASS   |
| IEEE 802.11n/HT40:                   |                 |                     |                              |             |        |
| Low                                  | 2422            | 35.40               | 35.76                        | 0.5         | PASS   |
| Mid                                  | 2437            | 35.53               | 35.75                        | 0.5         | PASS   |
| High                                 | 2452            | 35.68               | 35.77                        | 0.5         | PASS   |
| Note: This test with port 1 antenna. |                 |                     |                              |             |        |

| Channel                              | Frequency (MHz) | 6dB Bandwidth (MHz) | 99% Occupied Bandwidth (MHz) | Limit (MHz) | Result |
|--------------------------------------|-----------------|---------------------|------------------------------|-------------|--------|
| IEEE 802.11b:                        |                 |                     |                              |             |        |
| Low                                  | 2412            | 9.20                | 14.73                        | 0.5         | PASS   |
| Mid                                  | 2437            | 10.11               | 14.59                        | 0.5         | PASS   |
| High                                 | 2462            | 9.19                | 14.72                        | 0.5         | PASS   |
| IEEE 802.11g:                        |                 |                     |                              |             |        |
| Low                                  | 2412            | 16.32               | 16.41                        | 0.5         | PASS   |
| Mid                                  | 2437            | 16.33               | 16.42                        | 0.5         | PASS   |
| High                                 | 2462            | 16.34               | 16.42                        | 0.5         | PASS   |
| IEEE 802.11n/HT20:                   |                 |                     |                              |             |        |
| Low                                  | 2412            | 16.99               | 17.59                        | 0.5         | PASS   |
| Mid                                  | 2437            | 17.15               | 17.61                        | 0.5         | PASS   |
| High                                 | 2462            | 17.18               | 17.61                        | 0.5         | PASS   |
| IEEE 802.11n/HT40:                   |                 |                     |                              |             |        |
| Low                                  | 2422            | 35.43               | 35.79                        | 0.5         | PASS   |
| Mid                                  | 2437            | 35.40               | 35.83                        | 0.5         | PASS   |
| High                                 | 2452            | 35.44               | 35.81                        | 0.5         | PASS   |
| Note: This test with port 2 antenna. |                 |                     |                              |             |        |

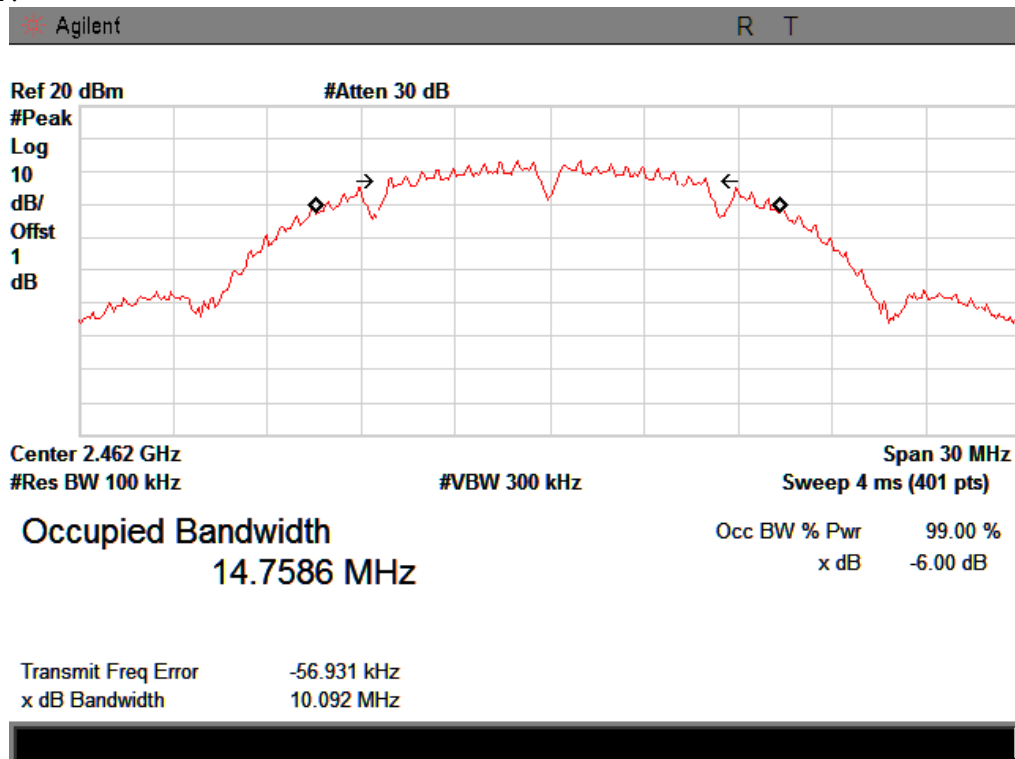
With port 1 antenna  
IEEE 802.11b:  
CH Low :



CH Mid :

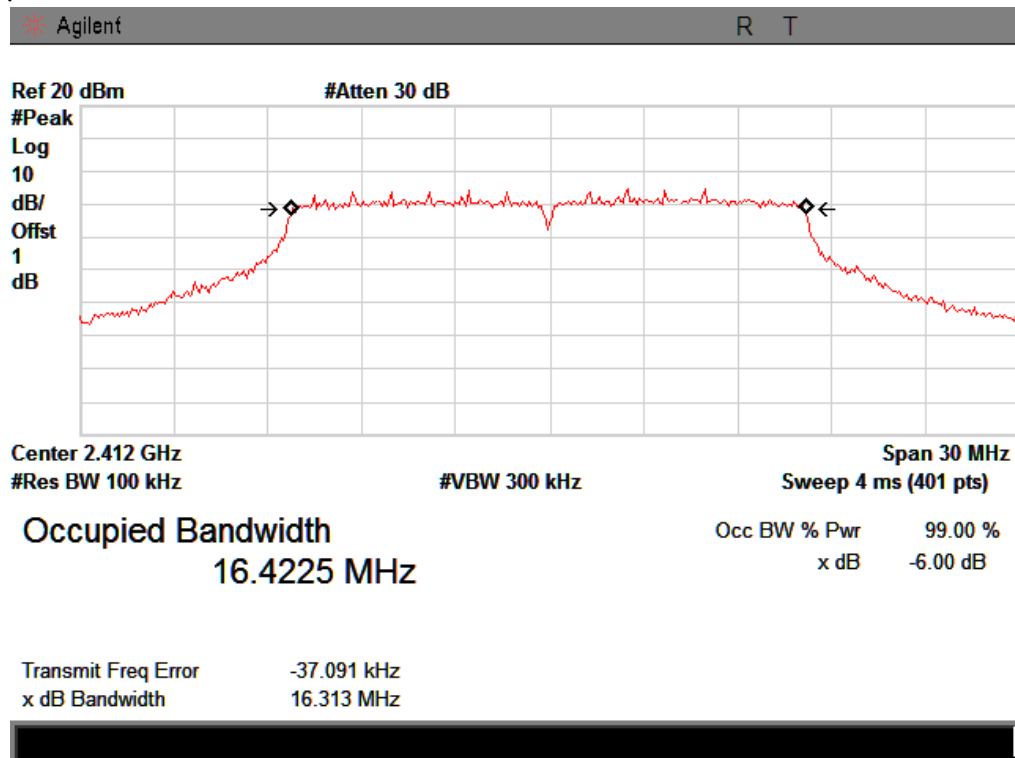


CH High :

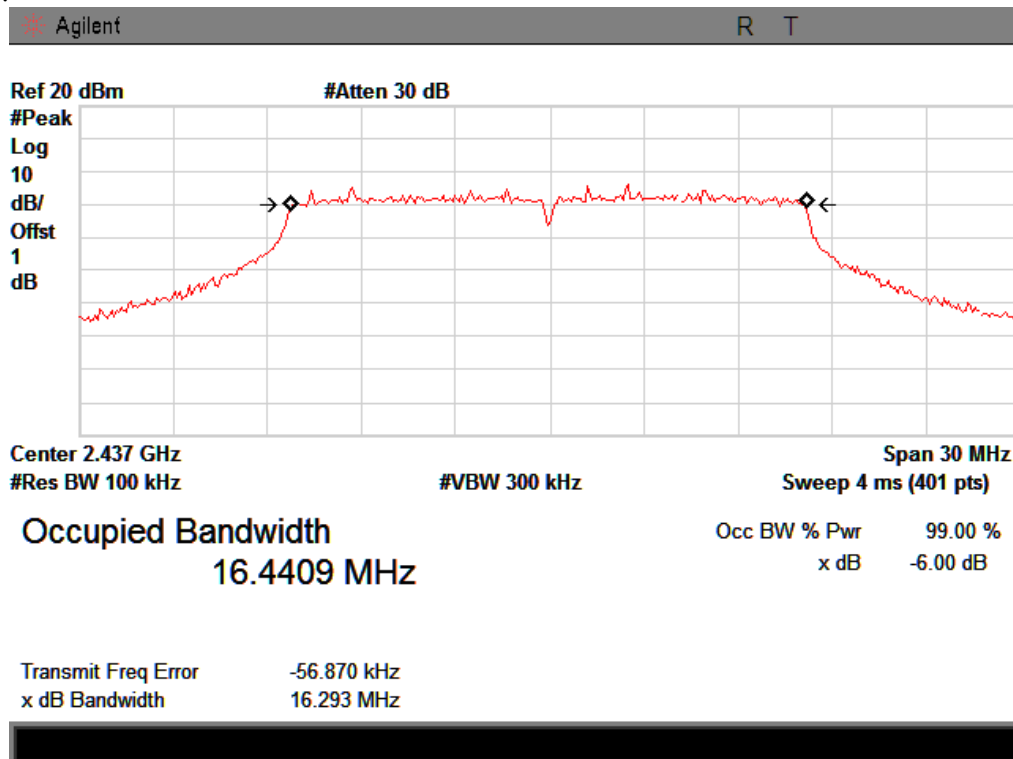


IEEE 802.11g:

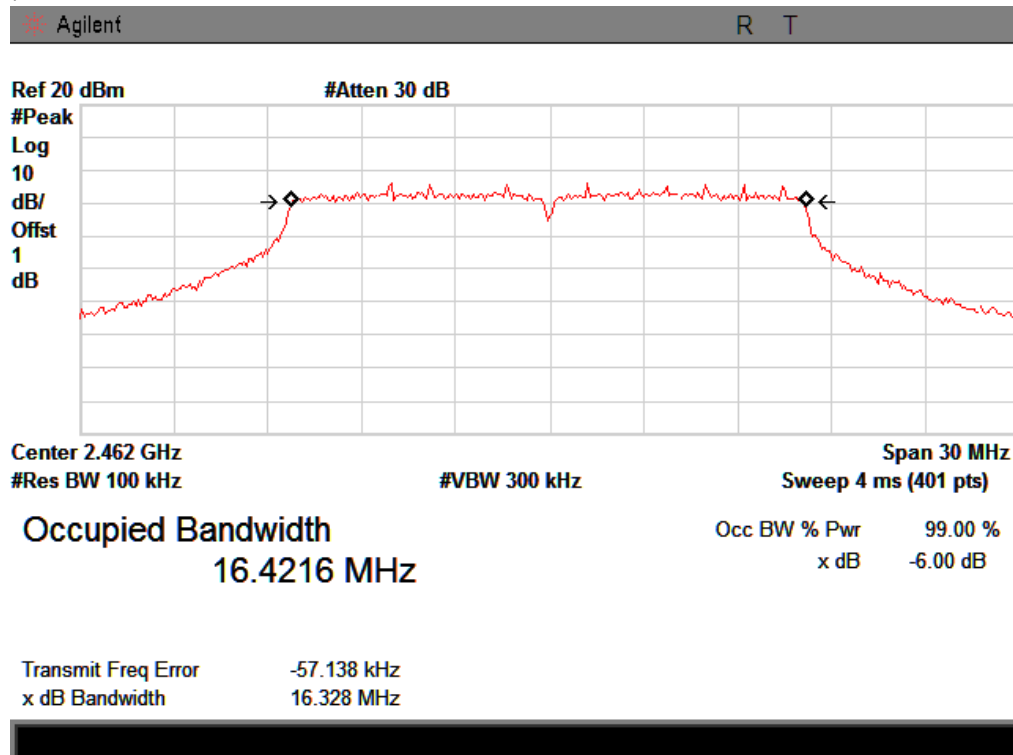
CH Low :



CH Mid :

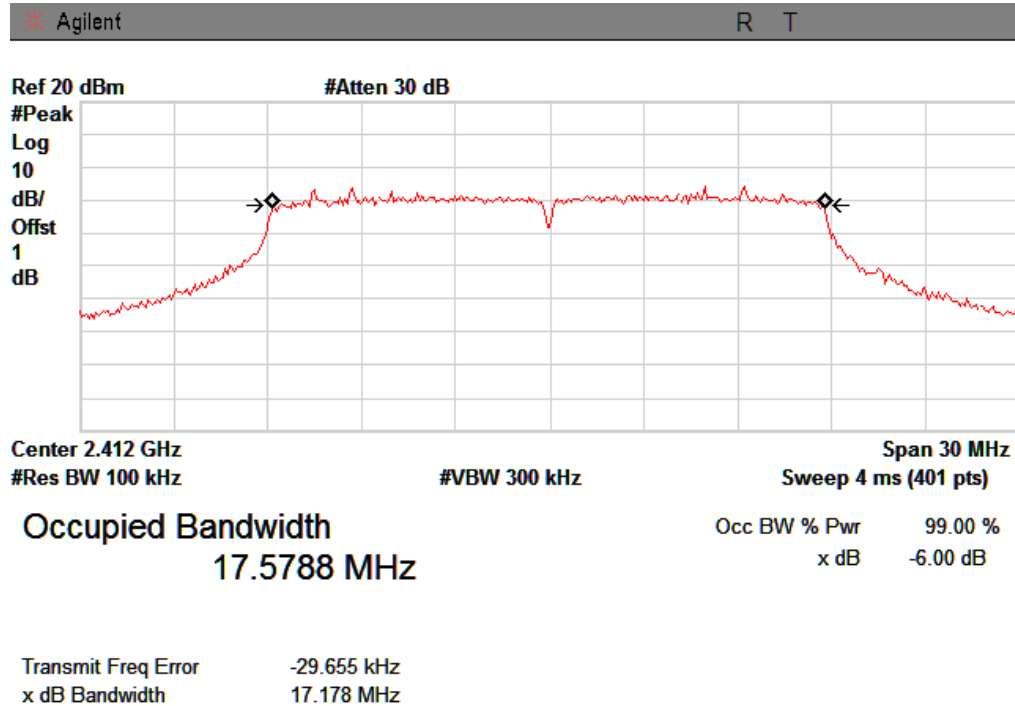


CH High :

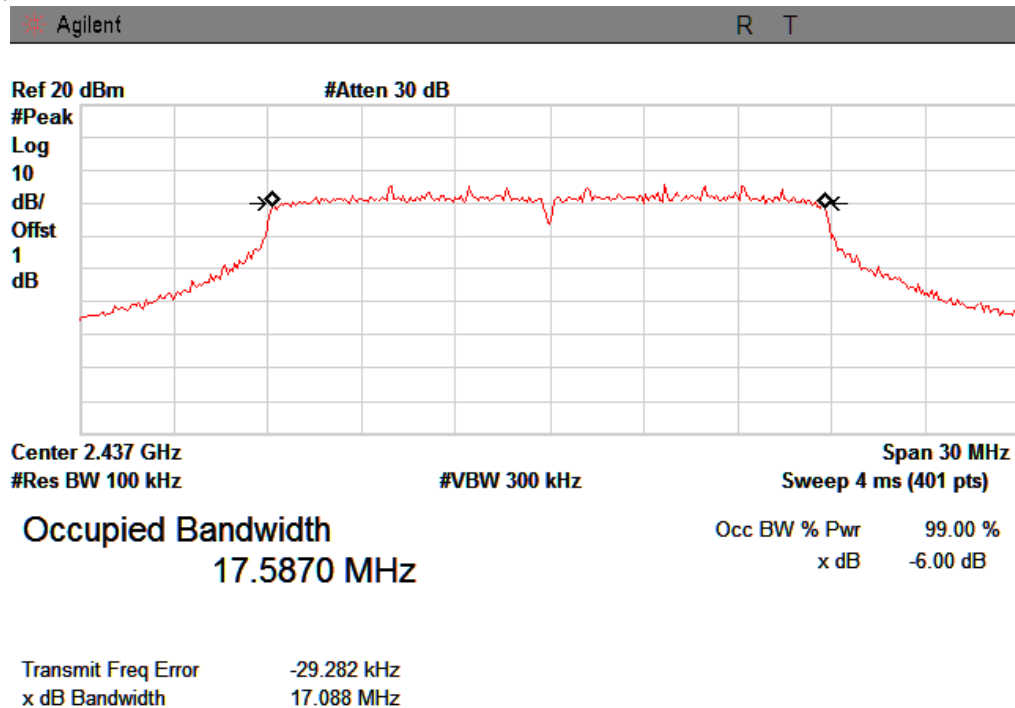


IEEE 802.11 n/HT20:

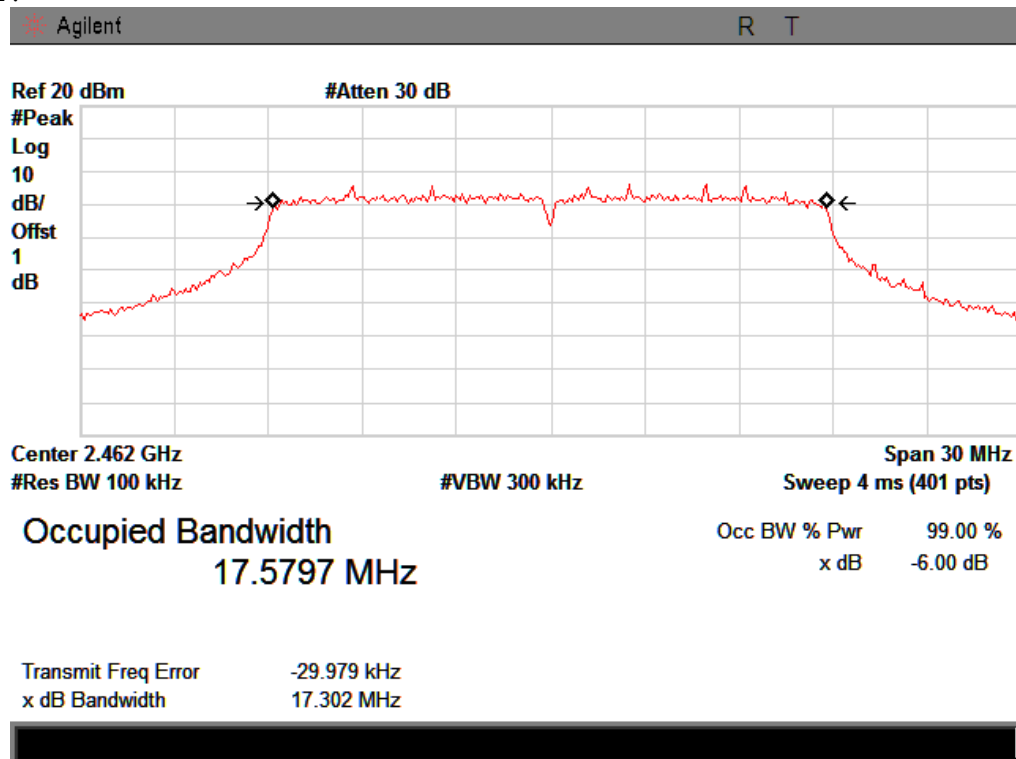
CH Low :



CH Mid :

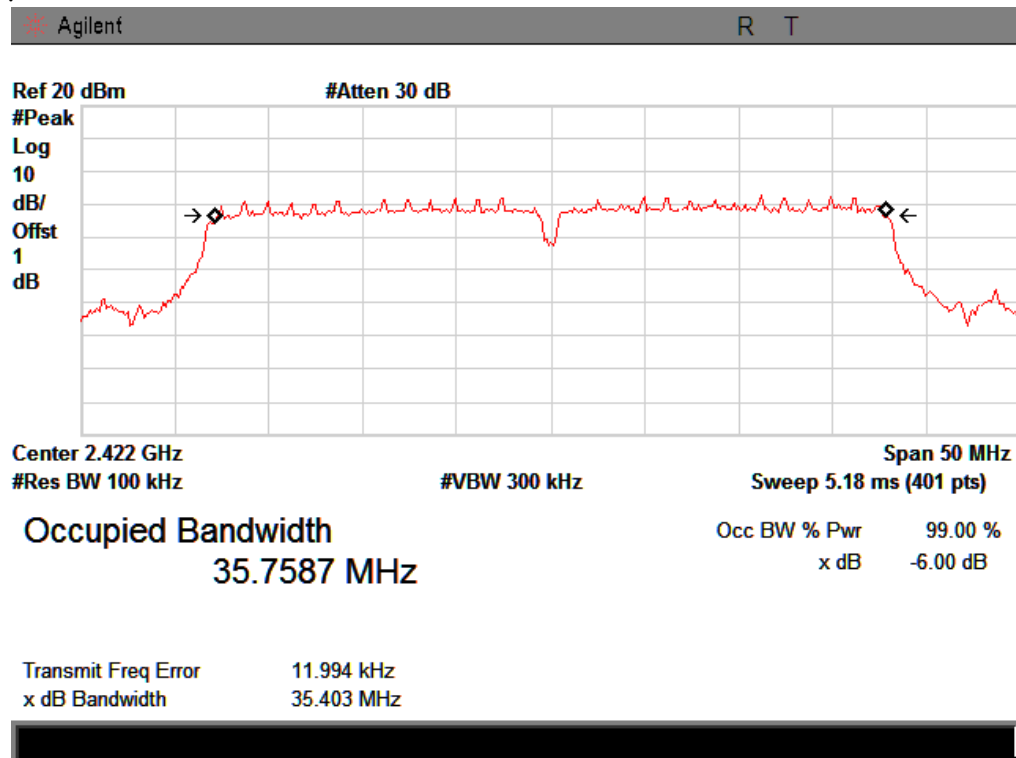


CH High :

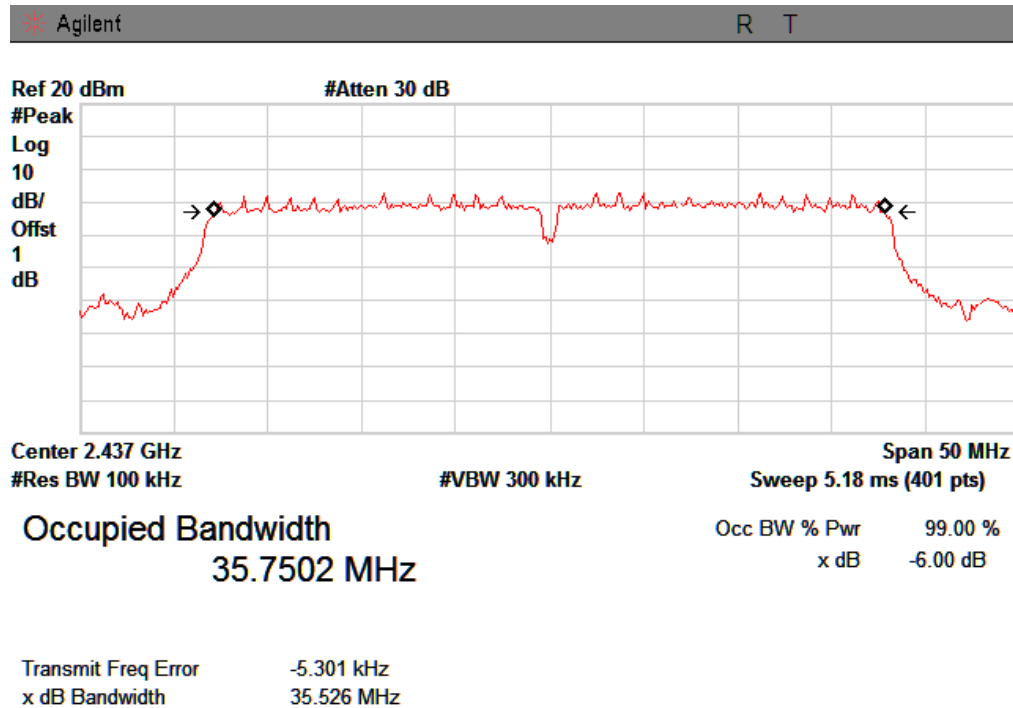


IEEE 802.11n/HT40:

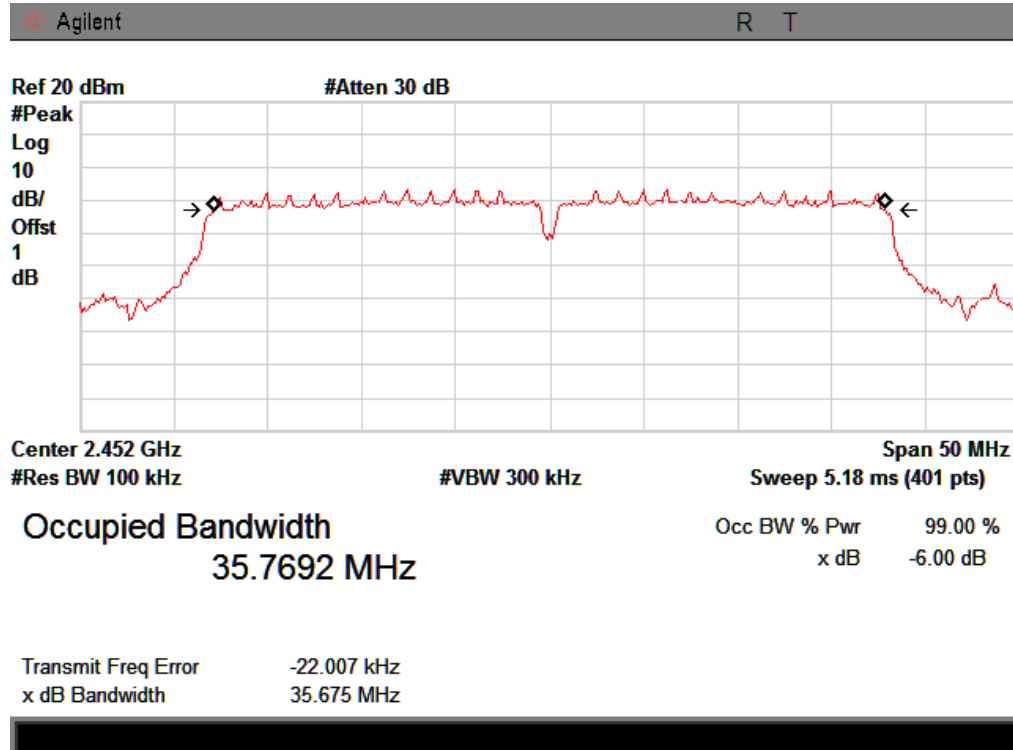
CH Low :



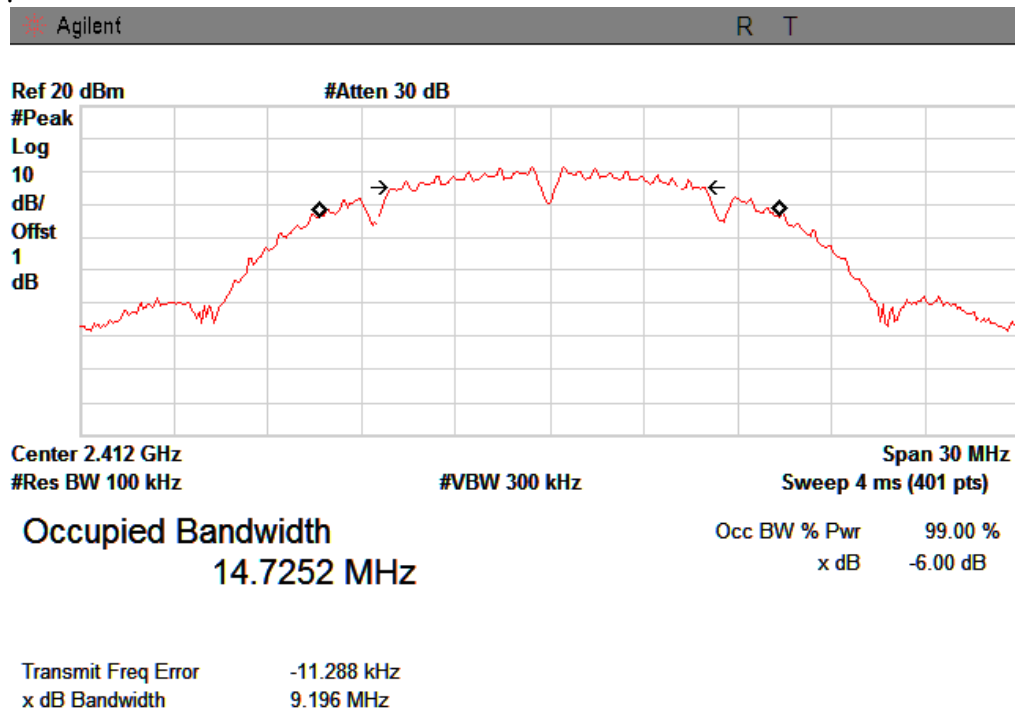
CH Mid :



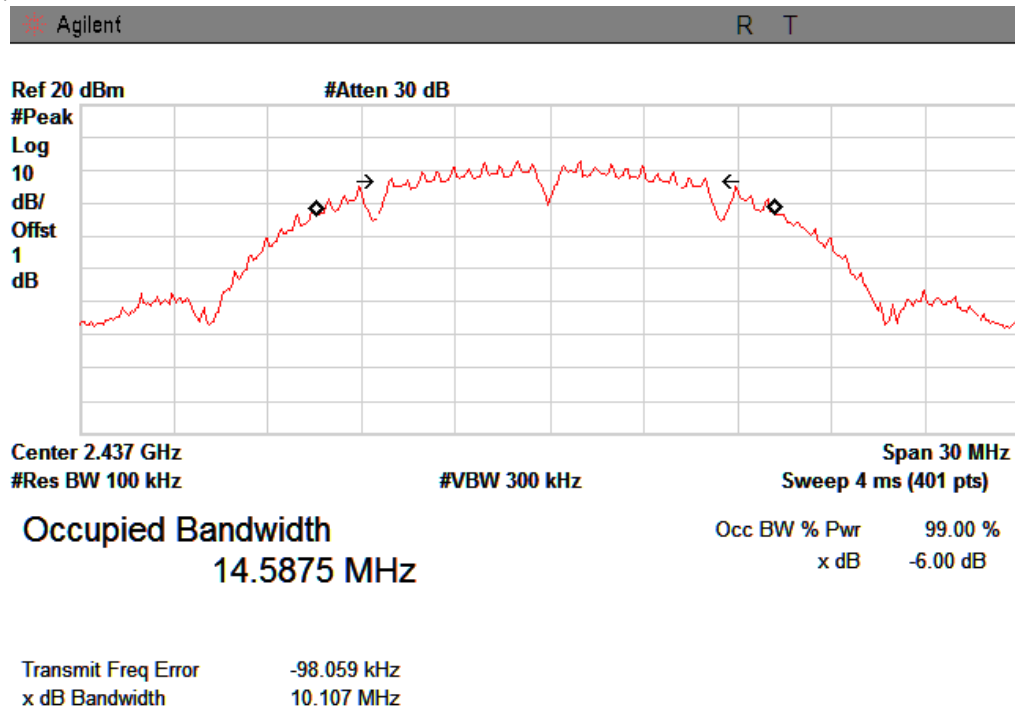
CH High :



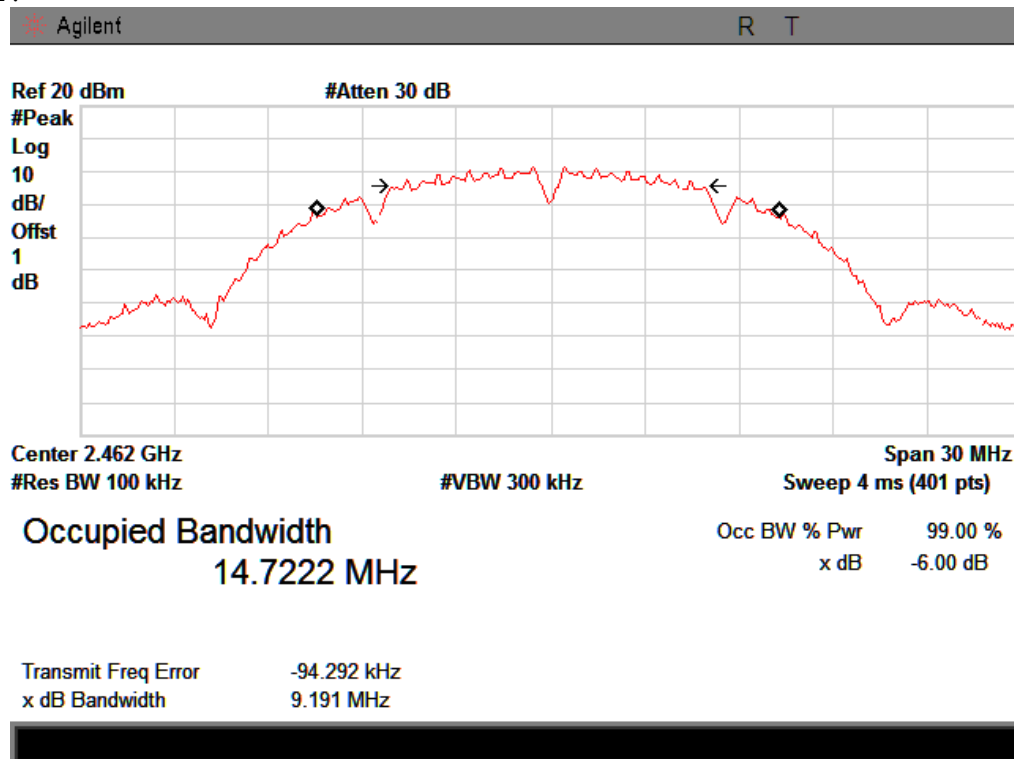
With port 2 antenna  
IEEE 802.11b:  
CH Low :



CH Mid :

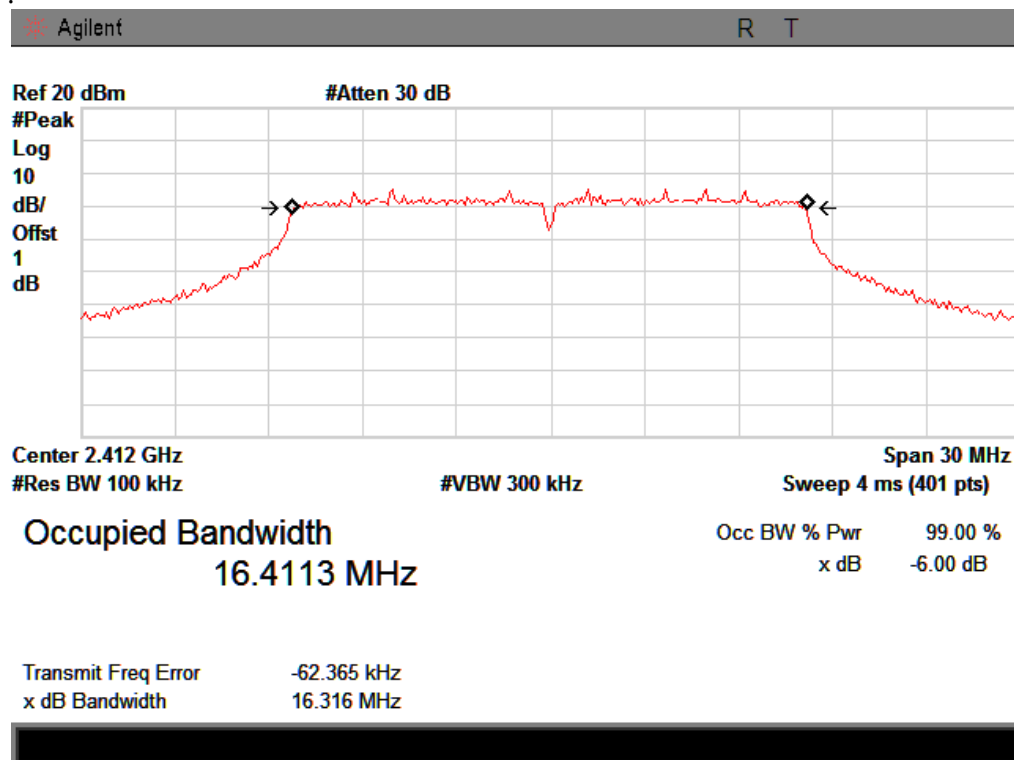


CH High :

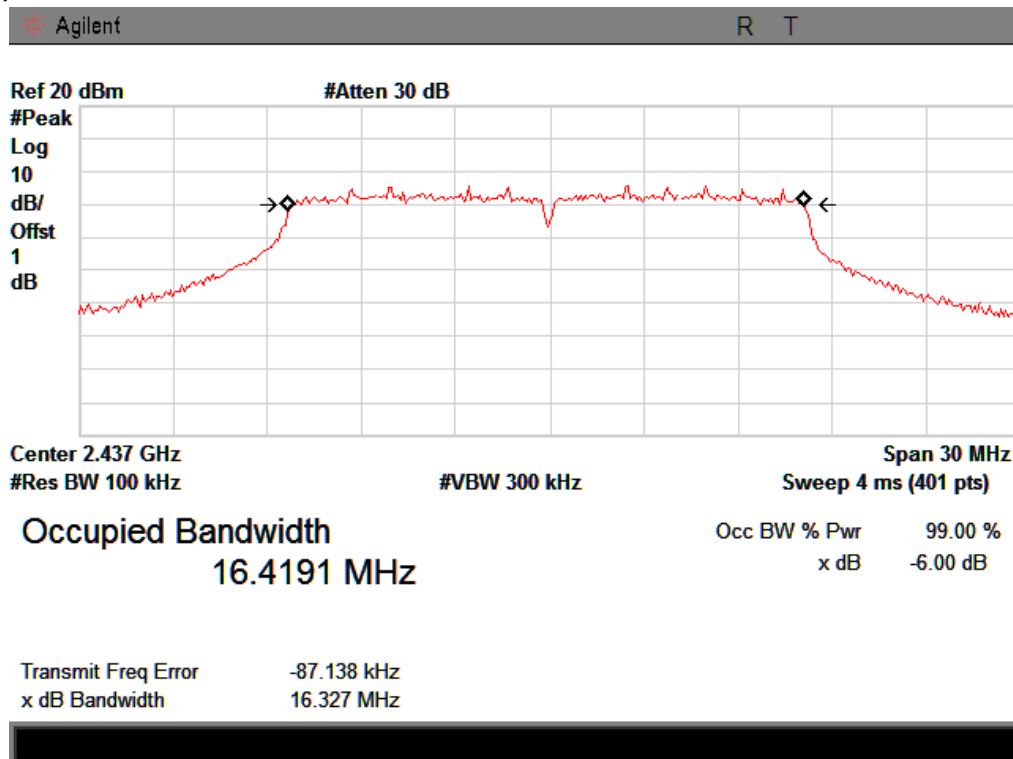


IEEE 802.11g:

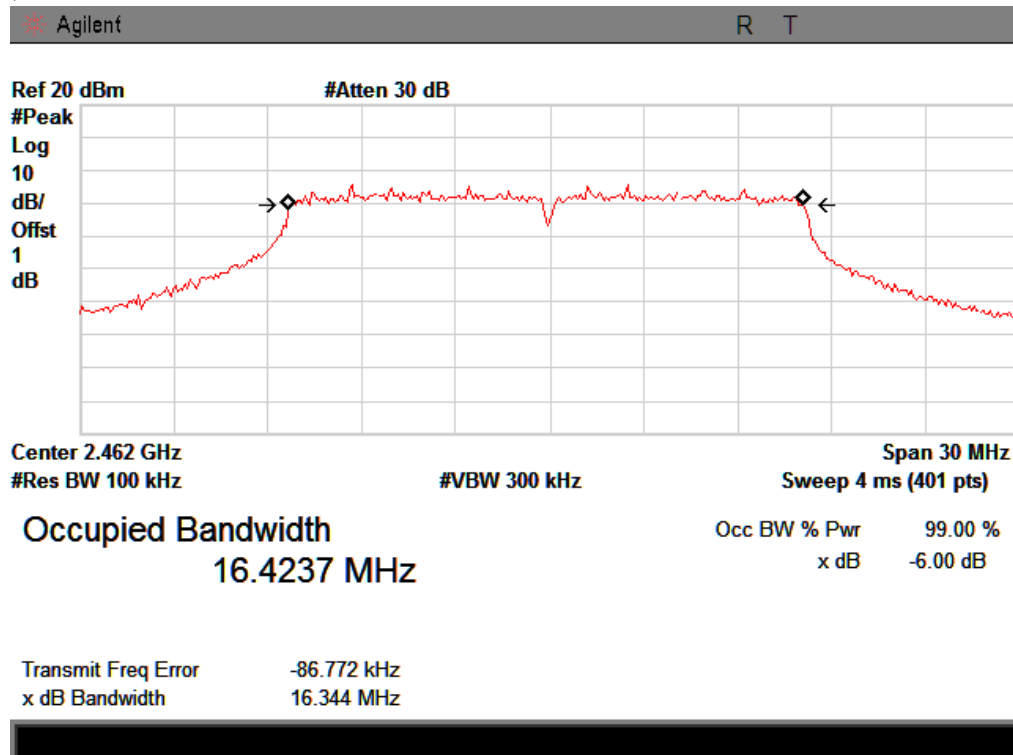
CH Low :



CH Mid :

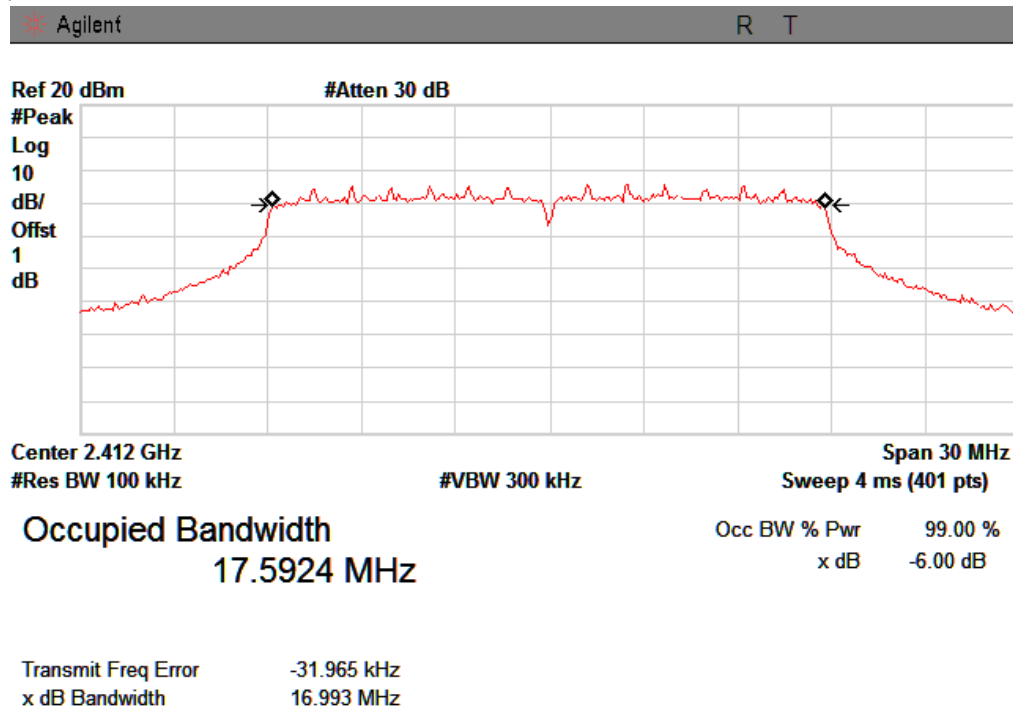


CH High :

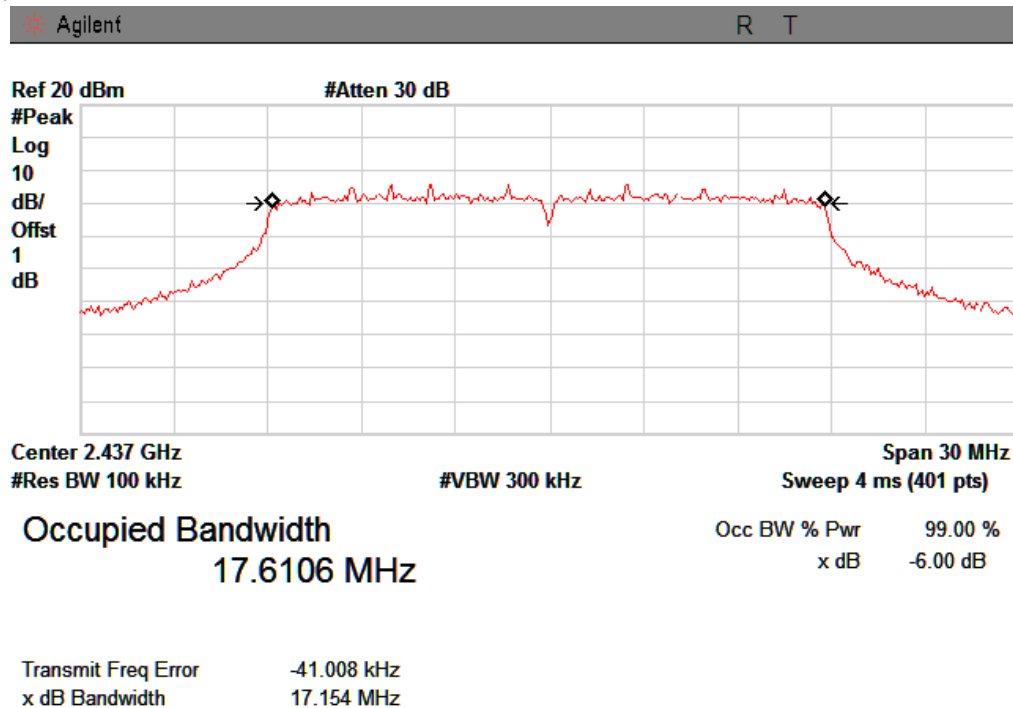


IEEE 802.11 n/HT20:

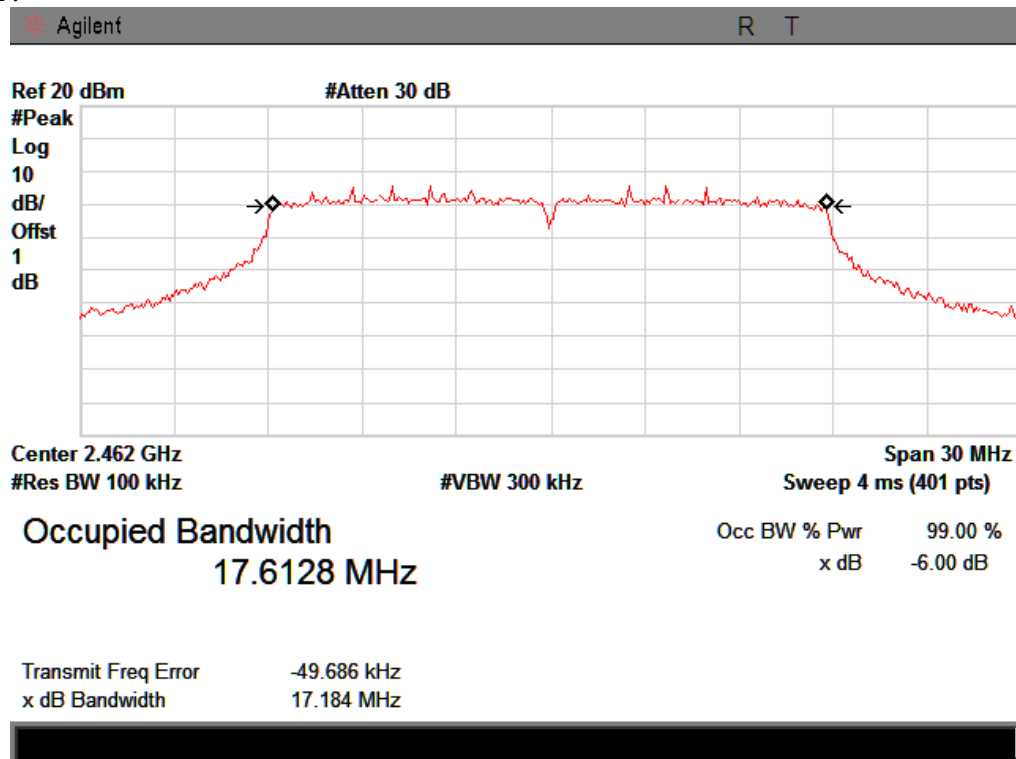
CH Low :



CH Mid :

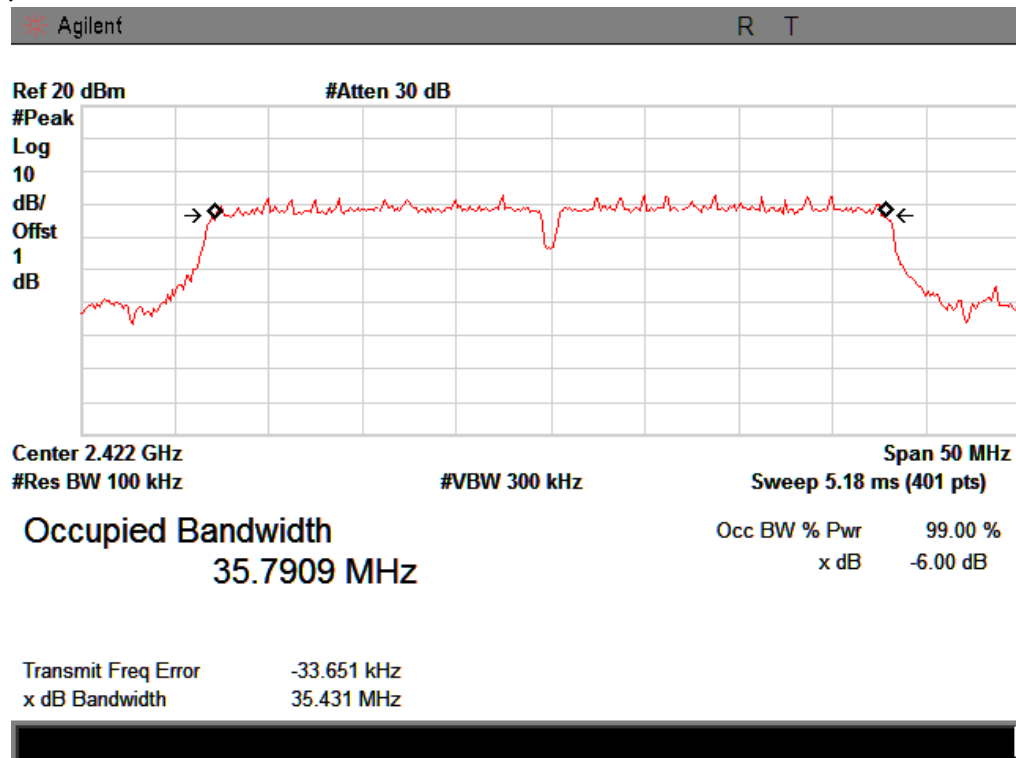


CH High :

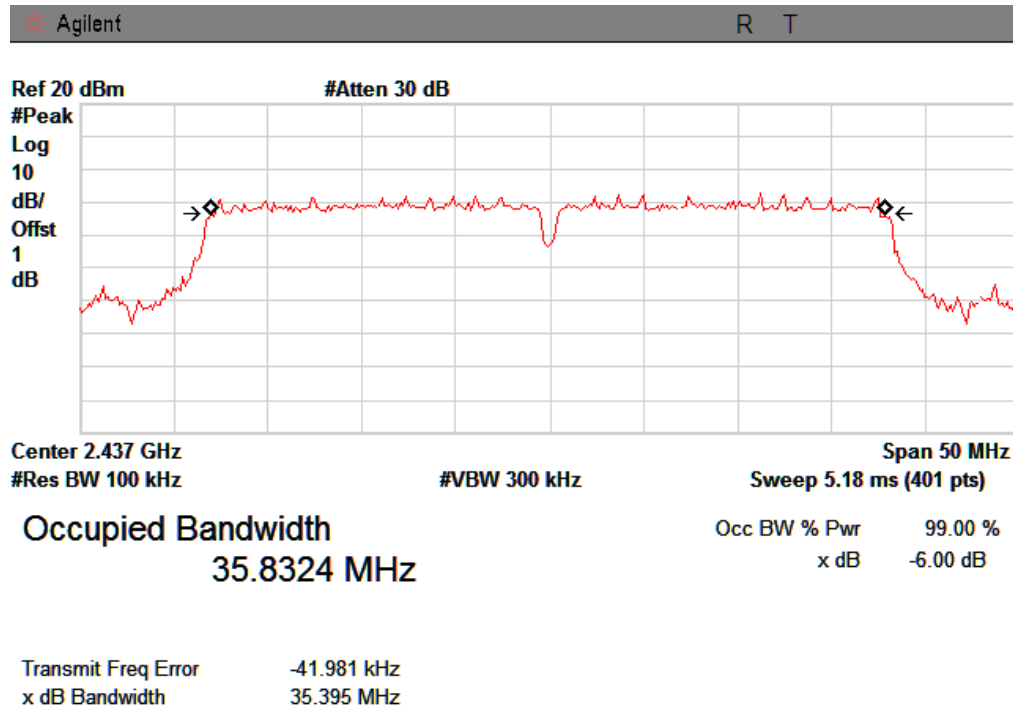


IEEE 802.11n/HT40:

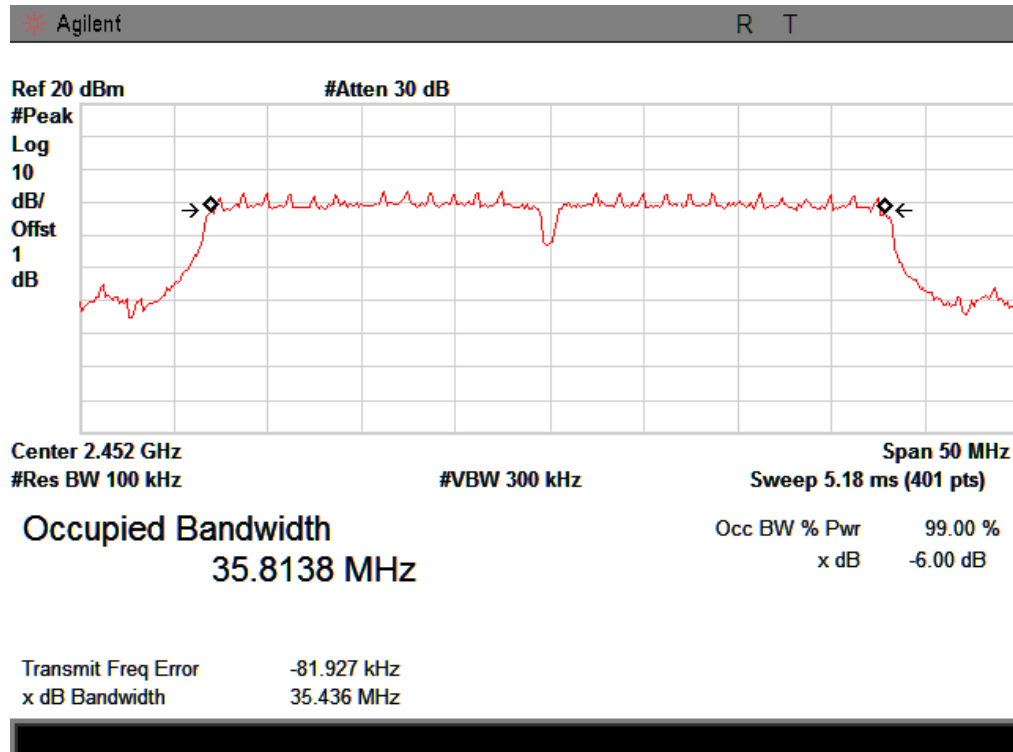
CH Low :



CH Mid :



CH High :



## 10 Band Edge Check

### 10.1 Test limit

Please refer section RSS-GEN&15.247.

### 10.2 Test Procedure

12.2.1 Put the EUT on a 0.8m high table, power on the EUT. Emissions were scanned and measured rotating the EUT to 360 degrees, Find the maximum Emission

12.2.2 Check the spurious emissions out of band.

12.2.3 RBW 1MHz ,VBW 3MHz ,peak detector for peak value , RBW 1MHz ,VBW 3MHz ,RMS detector for AV value.

### 10.3 Test Setup

Same as 5.2.2.

### 10.4 Test Result

PASS.

Detailed information please see the following page.

| Band Edge Test result                                                                             |                     |                       |                       |                 |                       |                |             |           |
|---------------------------------------------------------------------------------------------------|---------------------|-----------------------|-----------------------|-----------------|-----------------------|----------------|-------------|-----------|
| EUT: WiFi Repeater                                                                                |                     |                       | M/N: VRP5G            |                 |                       |                |             |           |
| Power: AC120V/60Hz                                                                                |                     |                       |                       |                 |                       |                |             |           |
| Test date: 2016-1-13                                                                              |                     |                       | Test site: 3m Chamber |                 | Tested by: Eric Huang |                |             |           |
| Test mode: Tx Low                                                                                 |                     |                       |                       |                 |                       |                |             |           |
| Antenna polarity: Vertical                                                                        |                     |                       |                       |                 |                       |                |             |           |
| Freq (MHz)                                                                                        | Read Level (dBuV/m) | Antenna Factor (dB/m) | Cable loss(dB)        | Amp Factor (dB) | Result (dBuV/m)       | Limit (dBuV/m) | Margin (dB) | Remark    |
| 2390                                                                                              | 40.59               | 27.62                 | 3.92                  | 34.97           | 37.16                 | 74             | 36.84       | <b>PK</b> |
| 2390                                                                                              | --                  | 27.62                 | 3.92                  | 34.97           | --                    | 54             | --          | AV        |
| 2400                                                                                              | 45.96               | 27.62                 | 3.94                  | 34.97           | 42.55                 | 74             | 31.45       | <b>PK</b> |
| 2400                                                                                              | --                  | 27.62                 | 3.94                  | 34.97           | --                    | 54             | --          | AV        |
| --                                                                                                | --                  | --                    | --                    | --              | --                    | --             | --          | --        |
| Antenna Polarity: Horizontal                                                                      |                     |                       |                       |                 |                       |                |             |           |
| 2390                                                                                              | 40.72               | 27.62                 | 3.92                  | 34.97           | 37.29                 | 74             | 36.71       | <b>PK</b> |
| 2390                                                                                              | --                  | 27.62                 | 3.92                  | 34.97           | --                    | 54             | --          | AV        |
| 2400                                                                                              | 44.33               | 27.62                 | 3.94                  | 34.97           | 40.92                 | 74             | 33.08       | <b>PK</b> |
| 2400                                                                                              | --                  | 27.62                 | 3.94                  | 34.97           | --                    | 54             | --          | AV        |
|                                                                                                   |                     |                       |                       |                 |                       |                |             |           |
| Note:                                                                                             |                     |                       |                       |                 |                       |                |             |           |
| 1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK                 |                     |                       |                       |                 |                       |                |             |           |
| 2, Spectrum Set for AV measure: RBW=1MHz, VBW=3MHz, Sweep time=Auto, Detector: RMS                |                     |                       |                       |                 |                       |                |             |           |
| 3, Result = Read level + Antenna factor + cable loss-Amp factor                                   |                     |                       |                       |                 |                       |                |             |           |
| 4, All the other emissions not reported were too low to read and deemed to comply with FCC limit. |                     |                       |                       |                 |                       |                |             |           |

| Band Edge Test result        |                     |                       |                       |                 |                 |                       |             |           |
|------------------------------|---------------------|-----------------------|-----------------------|-----------------|-----------------|-----------------------|-------------|-----------|
| EUT: WiFi Repeater           |                     |                       | M/N: VRP5G            |                 |                 |                       |             |           |
| Power: AC120V/60Hz           |                     |                       |                       |                 |                 |                       |             |           |
| Test date: 2016-1-13         |                     |                       | Test site: 3m Chamber |                 |                 | Tested by: Eric Huang |             |           |
| Test mode: Tx High           |                     |                       |                       |                 |                 |                       |             |           |
| Antenna polarity: Vertical   |                     |                       |                       |                 |                 |                       |             |           |
| Freq (MHz)                   | Read Level (dBuV/m) | Antenna Factor (dB/m) | Cable loss(dB)        | Amp Factor (dB) | Result (dBuV/m) | Limit (dBuV/m)        | Margin (dB) | Remark    |
| 2483.5                       | 40.72               | 27.89                 | 4                     | 34.97           | 37.64           | 74                    | 36.36       | <b>PK</b> |
| --                           | --                  | --                    | --                    | --              | --              | --                    | --          | --        |
|                              |                     |                       |                       |                 |                 |                       |             |           |
|                              |                     |                       |                       |                 |                 |                       |             |           |
|                              |                     |                       |                       |                 |                 |                       |             |           |
| Antenna Polarity: Horizontal |                     |                       |                       |                 |                 |                       |             |           |
| 2483.5                       | 42.2                | 27.89                 | 4                     | 34.97           | 39.12           | 74                    | 34.88       | <b>PK</b> |
| --                           | --                  | --                    | --                    | --              | --              | --                    | --          | --        |
|                              |                     |                       |                       |                 |                 |                       |             |           |
|                              |                     |                       |                       |                 |                 |                       |             |           |
|                              |                     |                       |                       |                 |                 |                       |             |           |

Note:

1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK

2, Spectrum Set for AV measure: RBW=1MHz, VBW=3MHz, Sweep time=Auto, Detector: RMS

3, Result = Read level + Antenna factor + cable loss-Amp factor

4, All the other emissions not reported were too low to read and deemed to comply with FCC limit.

| Band Edge Test result                                                                             |                     |                       |                       |                 |                 |                       |             |           |
|---------------------------------------------------------------------------------------------------|---------------------|-----------------------|-----------------------|-----------------|-----------------|-----------------------|-------------|-----------|
| EUT: WiFi Repeater                                                                                |                     |                       | M/N: VRP5G            |                 |                 |                       |             |           |
| Power: AC120V/60Hz                                                                                |                     |                       |                       |                 |                 |                       |             |           |
| Test date: 2016-1-13                                                                              |                     |                       | Test site: 3m Chamber |                 |                 | Tested by: Eric Huang |             |           |
| Test mode: Tx Low                                                                                 |                     |                       |                       |                 |                 |                       |             |           |
| Antenna polarity: Vertical                                                                        |                     |                       |                       |                 |                 |                       |             |           |
| Freq (MHz)                                                                                        | Read Level (dBuV/m) | Antenna Factor (dB/m) | Cable loss(dB)        | Amp Factor (dB) | Result (dBuV/m) | Limit (dBuV/m)        | Margin (dB) | Remark    |
| 2390                                                                                              | 47.19               | 27.62                 | 3.92                  | 34.97           | 43.76           | 74                    | 30.24       | <b>PK</b> |
| 2390                                                                                              | --                  | 27.62                 | 3.92                  | 34.97           | --              | 54                    | --          | AV        |
| 2400                                                                                              | 43.43               | 27.62                 | 3.94                  | 34.97           | 40.02           | 74                    | 33.98       | <b>PK</b> |
| 2400                                                                                              | --                  | 27.62                 | 3.94                  | 34.97           | --              | 54                    | --          | AV        |
|                                                                                                   |                     |                       |                       |                 |                 |                       |             |           |
| Antenna Polarity: Horizontal                                                                      |                     |                       |                       |                 |                 |                       |             |           |
| 2390                                                                                              | 47.56               | 27.62                 | 3.92                  | 34.97           | 44.13           | 74                    | 29.87       | <b>PK</b> |
| 2390                                                                                              | --                  | 27.62                 | 3.92                  | 34.97           | --              | 54                    | --          | AV        |
| 2400                                                                                              | 42                  | 27.62                 | 3.94                  | 34.97           | 38.59           | 74                    | 35.41       | <b>PK</b> |
| 2400                                                                                              | --                  | 27.62                 | 3.94                  | 34.97           | --              | 54                    | --          | AV        |
|                                                                                                   |                     |                       |                       |                 |                 |                       |             |           |
| Note:                                                                                             |                     |                       |                       |                 |                 |                       |             |           |
| 1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK                 |                     |                       |                       |                 |                 |                       |             |           |
| 2, Spectrum Set for AV measure: RBW=1MHz, VBW=3MHz, Sweep time=Auto, Detector: RMS                |                     |                       |                       |                 |                 |                       |             |           |
| 3, Result = Read level + Antenna factor + cable loss-Amp factor                                   |                     |                       |                       |                 |                 |                       |             |           |
| 4, All the other emissions not reported were too low to read and deemed to comply with FCC limit. |                     |                       |                       |                 |                 |                       |             |           |

| Band Edge Test result                                                                             |                     |                       |                       |                 |                 |                       |             |           |
|---------------------------------------------------------------------------------------------------|---------------------|-----------------------|-----------------------|-----------------|-----------------|-----------------------|-------------|-----------|
| EUT: WiFi Repeater                                                                                |                     |                       | M/N: VRP5G            |                 |                 |                       |             |           |
| Power: AC120V/60Hz                                                                                |                     |                       |                       |                 |                 |                       |             |           |
| Test date: 2016-1-13                                                                              |                     |                       | Test site: 3m Chamber |                 |                 | Tested by: Eric Huang |             |           |
| Test mode: Tx High                                                                                |                     |                       |                       |                 |                 |                       |             |           |
| Antenna polarity: Vertical                                                                        |                     |                       |                       |                 |                 |                       |             |           |
| Freq (MHz)                                                                                        | Read Level (dBuV/m) | Antenna Factor (dB/m) | Cable loss(dB)        | Amp Factor (dB) | Result (dBuV/m) | Limit (dBuV/m)        | Margin (dB) | Remark    |
| 2483.5                                                                                            | 43.79               | 27.89                 | 4                     | 34.97           | 40.71           | 74                    | 33.29       | <b>PK</b> |
| --                                                                                                | --                  | --                    | --                    | --              | --              | --                    | --          | --        |
|                                                                                                   |                     |                       |                       |                 |                 |                       |             |           |
|                                                                                                   |                     |                       |                       |                 |                 |                       |             |           |
|                                                                                                   |                     |                       |                       |                 |                 |                       |             |           |
| Antenna Polarity: Horizontal                                                                      |                     |                       |                       |                 |                 |                       |             |           |
| 2483.5                                                                                            | 46.18               | 27.89                 | 4                     | 34.97           | 43.1            | 74                    | 30.9        | <b>PK</b> |
| --                                                                                                | --                  | --                    | --                    | --              | --              | --                    | --          | --        |
|                                                                                                   |                     |                       |                       |                 |                 |                       |             |           |
|                                                                                                   |                     |                       |                       |                 |                 |                       |             |           |
|                                                                                                   |                     |                       |                       |                 |                 |                       |             |           |
| Note:                                                                                             |                     |                       |                       |                 |                 |                       |             |           |
| 1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK                 |                     |                       |                       |                 |                 |                       |             |           |
| 2, Spectrum Set for AV measure: RBW=1MHz, VBW=3MHz, Sweep time=Auto, Detector: RMS                |                     |                       |                       |                 |                 |                       |             |           |
| 3, Result = Read level + Antenna factor + cable loss-Amp factor                                   |                     |                       |                       |                 |                 |                       |             |           |
| 4, All the other emissions not reported were too low to read and deemed to comply with FCC limit. |                     |                       |                       |                 |                 |                       |             |           |

| Band Edge Test result                                                                             |                     |                       |                       |                 |                 |                       |             |           |
|---------------------------------------------------------------------------------------------------|---------------------|-----------------------|-----------------------|-----------------|-----------------|-----------------------|-------------|-----------|
| EUT: WiFi Repeater                                                                                |                     |                       | M/N: VRP5G            |                 |                 |                       |             |           |
| Power: AC120V/60Hz                                                                                |                     |                       |                       |                 |                 |                       |             |           |
| Test date: 2016-1-13                                                                              |                     |                       | Test site: 3m Chamber |                 |                 | Tested by: Eric Huang |             |           |
| Test mode: Tx Low                                                                                 |                     |                       |                       |                 |                 |                       |             |           |
| Antenna polarity: Vertical                                                                        |                     |                       |                       |                 |                 |                       |             |           |
| Freq (MHz)                                                                                        | Read Level (dBuV/m) | Antenna Factor (dB/m) | Cable loss(dB)        | Amp Factor (dB) | Result (dBuV/m) | Limit (dBuV/m)        | Margin (dB) | Remark    |
| 2390                                                                                              | 40.54               | 27.62                 | 3.92                  | 34.97           | 37.11           | 74                    | 36.89       | <b>PK</b> |
| 2390                                                                                              | --                  | 27.62                 | 3.92                  | 34.97           | --              | 54                    | --          | AV        |
| 2400                                                                                              | 45.83               | 27.62                 | 3.94                  | 34.97           | 42.42           | 74                    | 31.58       | <b>PK</b> |
| 2400                                                                                              | --                  | 27.62                 | 3.94                  | 34.97           | --              | 54                    | --          | AV        |
|                                                                                                   |                     |                       |                       |                 |                 |                       |             |           |
| Antenna Polarity: Horizontal                                                                      |                     |                       |                       |                 |                 |                       |             |           |
| 2390                                                                                              | 40.03               | 27.62                 | 3.92                  | 34.97           | 36.6            | 74                    | 37.4        | <b>PK</b> |
| 2390                                                                                              | --                  | 27.62                 | 3.92                  | 34.97           | --              | 54                    | --          | AV        |
| 2400                                                                                              | 46.15               | 27.62                 | 3.94                  | 34.97           | 42.74           | 74                    | 31.26       | <b>PK</b> |
| 2400                                                                                              | --                  | 27.62                 | 3.94                  | 34.97           | --              | 54                    | --          | AV        |
|                                                                                                   |                     |                       |                       |                 |                 |                       |             |           |
| Note:                                                                                             |                     |                       |                       |                 |                 |                       |             |           |
| 1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK                 |                     |                       |                       |                 |                 |                       |             |           |
| 2, Spectrum Set for AV measure: RBW=1MHz, VBW=3MHz, Sweep time=Auto, Detector: RMS                |                     |                       |                       |                 |                 |                       |             |           |
| 3, Result = Read level + Antenna factor + cable loss-Amp factor                                   |                     |                       |                       |                 |                 |                       |             |           |
| 4, All the other emissions not reported were too low to read and deemed to comply with FCC limit. |                     |                       |                       |                 |                 |                       |             |           |

| Band Edge Test result                                                                             |                     |                       |                       |                 |                 |                       |             |           |
|---------------------------------------------------------------------------------------------------|---------------------|-----------------------|-----------------------|-----------------|-----------------|-----------------------|-------------|-----------|
| EUT: WiFi Repeater                                                                                |                     |                       | M/N: VRP5G            |                 |                 |                       |             |           |
| Power: AC120V/60Hz                                                                                |                     |                       |                       |                 |                 |                       |             |           |
| Test date: 2016-1-13                                                                              |                     |                       | Test site: 3m Chamber |                 |                 | Tested by: Eric Huang |             |           |
| Test mode: Tx High                                                                                |                     |                       |                       |                 |                 |                       |             |           |
| Antenna polarity: Vertical                                                                        |                     |                       |                       |                 |                 |                       |             |           |
| Freq (MHz)                                                                                        | Read Level (dBuV/m) | Antenna Factor (dB/m) | Cable loss(dB)        | Amp Factor (dB) | Result (dBuV/m) | Limit (dBuV/m)        | Margin (dB) | Remark    |
| 2483.5                                                                                            | 39.87               | 27.89                 | 4                     | 34.97           | 36.79           | 74                    | 37.21       | <b>PK</b> |
| --                                                                                                | --                  | --                    | --                    | --              | --              | --                    | --          | --        |
|                                                                                                   |                     |                       |                       |                 |                 |                       |             |           |
|                                                                                                   |                     |                       |                       |                 |                 |                       |             |           |
|                                                                                                   |                     |                       |                       |                 |                 |                       |             |           |
| Antenna Polarity: Horizontal                                                                      |                     |                       |                       |                 |                 |                       |             |           |
| 2483.5                                                                                            | 40.06               | 27.89                 | 4                     | 34.97           | 36.98           | 74                    | 37.02       | <b>PK</b> |
| --                                                                                                | --                  | --                    | --                    | --              | --              | --                    | --          | --        |
|                                                                                                   |                     |                       |                       |                 |                 |                       |             |           |
|                                                                                                   |                     |                       |                       |                 |                 |                       |             |           |
|                                                                                                   |                     |                       |                       |                 |                 |                       |             |           |
| Note:                                                                                             |                     |                       |                       |                 |                 |                       |             |           |
| 1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK                 |                     |                       |                       |                 |                 |                       |             |           |
| 2, Spectrum Set for AV measure: RBW=1MHz, VBW=3MHz, Sweep time=Auto, Detector: RMS                |                     |                       |                       |                 |                 |                       |             |           |
| 3, Result = Read level + Antenna factor + cable loss-Amp factor                                   |                     |                       |                       |                 |                 |                       |             |           |
| 4, All the other emissions not reported were too low to read and deemed to comply with FCC limit. |                     |                       |                       |                 |                 |                       |             |           |

| Band Edge Test result                                                                             |                     |                       |                       |                 |                 |                       |             |           |
|---------------------------------------------------------------------------------------------------|---------------------|-----------------------|-----------------------|-----------------|-----------------|-----------------------|-------------|-----------|
| EUT: WiFi Repeater                                                                                |                     |                       | M/N: VRP5G            |                 |                 |                       |             |           |
| Power: AC120V/60Hz                                                                                |                     |                       |                       |                 |                 |                       |             |           |
| Test date: 2016-1-13                                                                              |                     |                       | Test site: 3m Chamber |                 |                 | Tested by: Eric Huang |             |           |
| Test mode: Tx Low                                                                                 |                     |                       |                       |                 |                 |                       |             |           |
| Antenna polarity: Vertical                                                                        |                     |                       |                       |                 |                 |                       |             |           |
| Freq (MHz)                                                                                        | Read Level (dBuV/m) | Antenna Factor (dB/m) | Cable loss(dB)        | Amp Factor (dB) | Result (dBuV/m) | Limit (dBuV/m)        | Margin (dB) | Remark    |
| 2390                                                                                              | 44.31               | 27.62                 | 3.92                  | 34.97           | 40.88           | 74                    | 33.12       | <b>PK</b> |
| 2390                                                                                              | --                  | 27.62                 | 3.92                  | 34.97           | --              | 54                    | --          | AV        |
| 2400                                                                                              | 43.52               | 27.62                 | 3.94                  | 34.97           | 40.11           | 74                    | 33.89       | <b>PK</b> |
| 2400                                                                                              | --                  | 27.62                 | 3.94                  | 34.97           | --              | 54                    | --          | AV        |
|                                                                                                   |                     |                       |                       |                 |                 |                       |             |           |
| Antenna Polarity: Horizontal                                                                      |                     |                       |                       |                 |                 |                       |             |           |
| 2390                                                                                              | 44.07               | 27.62                 | 3.92                  | 34.97           | 40.64           | 74                    | 33.36       | <b>PK</b> |
| 2390                                                                                              | --                  | 27.62                 | 3.92                  | 34.97           | --              | 54                    | --          | AV        |
| 2400                                                                                              | 42.18               | 27.62                 | 3.94                  | 34.97           | 38.77           | 74                    | 35.23       | <b>PK</b> |
| 2400                                                                                              | --                  | 27.62                 | 3.94                  | 34.97           | --              | 54                    | --          | AV        |
|                                                                                                   |                     |                       |                       |                 |                 |                       |             |           |
| Note:                                                                                             |                     |                       |                       |                 |                 |                       |             |           |
| 1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK                 |                     |                       |                       |                 |                 |                       |             |           |
| 2, Spectrum Set for AV measure: RBW=1MHz, VBW=3MHz, Sweep time=Auto, Detector: RMS                |                     |                       |                       |                 |                 |                       |             |           |
| 3, Result = Read level + Antenna factor + cable loss-Amp factor                                   |                     |                       |                       |                 |                 |                       |             |           |
| 4, All the other emissions not reported were too low to read and deemed to comply with FCC limit. |                     |                       |                       |                 |                 |                       |             |           |

| Band Edge Test result                                                                             |                     |                       |                       |                 |                 |                       |             |           |
|---------------------------------------------------------------------------------------------------|---------------------|-----------------------|-----------------------|-----------------|-----------------|-----------------------|-------------|-----------|
| EUT: WiFi Repeater                                                                                |                     |                       | M/N: VRP5G            |                 |                 |                       |             |           |
| Power: AC120V/60Hz                                                                                |                     |                       |                       |                 |                 |                       |             |           |
| Test date: 2016-1-13                                                                              |                     |                       | Test site: 3m Chamber |                 |                 | Tested by: Eric Huang |             |           |
| Test mode: Tx High                                                                                |                     |                       |                       |                 |                 |                       |             |           |
| Antenna polarity: Vertical                                                                        |                     |                       |                       |                 |                 |                       |             |           |
| Freq (MHz)                                                                                        | Read Level (dBuV/m) | Antenna Factor (dB/m) | Cable loss(dB)        | Amp Factor (dB) | Result (dBuV/m) | Limit (dBuV/m)        | Margin (dB) | Remark    |
| 2483.5                                                                                            | 44.78               | 27.89                 | 4                     | 34.97           | 41.7            | 74                    | 32.3        | <b>PK</b> |
| --                                                                                                | --                  | --                    | --                    | --              | --              | --                    | --          | --        |
|                                                                                                   |                     |                       |                       |                 |                 |                       |             |           |
|                                                                                                   |                     |                       |                       |                 |                 |                       |             |           |
|                                                                                                   |                     |                       |                       |                 |                 |                       |             |           |
| Antenna Polarity: Horizontal                                                                      |                     |                       |                       |                 |                 |                       |             |           |
| 2483.5                                                                                            | 39.56               | 27.89                 | 4                     | 34.97           | 36.48           | 74                    | 37.52       | <b>PK</b> |
| --                                                                                                | --                  | --                    | --                    | --              | --              | --                    | --          | --        |
|                                                                                                   |                     |                       |                       |                 |                 |                       |             |           |
|                                                                                                   |                     |                       |                       |                 |                 |                       |             |           |
|                                                                                                   |                     |                       |                       |                 |                 |                       |             |           |
| Note:                                                                                             |                     |                       |                       |                 |                 |                       |             |           |
| 1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK                 |                     |                       |                       |                 |                 |                       |             |           |
| 2, Spectrum Set for AV measure: RBW=1MHz, VBW=3MHz, Sweep time=Auto, Detector: RMS                |                     |                       |                       |                 |                 |                       |             |           |
| 3, Result = Read level + Antenna factor + cable loss-Amp factor                                   |                     |                       |                       |                 |                 |                       |             |           |
| 4, All the other emissions not reported were too low to read and deemed to comply with FCC limit. |                     |                       |                       |                 |                 |                       |             |           |

| Band Edge Test result                                                                             |                     |                       |                       |                 |                 |                       |             |           |
|---------------------------------------------------------------------------------------------------|---------------------|-----------------------|-----------------------|-----------------|-----------------|-----------------------|-------------|-----------|
| EUT: WiFi Repeater                                                                                |                     |                       | M/N: VRP5G            |                 |                 |                       |             |           |
| Power: AC120V/60Hz                                                                                |                     |                       |                       |                 |                 |                       |             |           |
| Test date: 2016-1-13                                                                              |                     |                       | Test site: 3m Chamber |                 |                 | Tested by: Eric Huang |             |           |
| Test mode: MIMO Tx Low                                                                            |                     |                       |                       |                 |                 |                       |             |           |
| Antenna polarity: Vertical                                                                        |                     |                       |                       |                 |                 |                       |             |           |
| Freq (MHz)                                                                                        | Read Level (dBuV/m) | Antenna Factor (dB/m) | Cable loss(dB)        | Amp Factor (dB) | Result (dBuV/m) | Limit (dBuV/m)        | Margin (dB) | Remark    |
| 2390                                                                                              | 41.72               | 27.62                 | 3.92                  | 34.97           | 38.29           | 74                    | 35.71       | <b>PK</b> |
| 2390                                                                                              | --                  | 27.62                 | 3.92                  | 34.97           | --              | 54                    | --          | <b>AV</b> |
| 2400                                                                                              | 41.1                | 27.62                 | 3.94                  | 34.97           | 37.69           | 74                    | 36.31       | <b>PK</b> |
| 2400                                                                                              | --                  | 27.62                 | 3.94                  | 34.97           | --              | 54                    | --          | <b>AV</b> |
|                                                                                                   |                     |                       |                       |                 |                 |                       |             |           |
| Antenna Polarity: Horizontal                                                                      |                     |                       |                       |                 |                 |                       |             |           |
| 2390                                                                                              | 43.6                | 27.62                 | 3.92                  | 34.97           | 40.17           | 74                    | 33.83       | <b>PK</b> |
| 2390                                                                                              | --                  | 27.62                 | 3.92                  | 34.97           | --              | 54                    | --          | <b>AV</b> |
| 2400                                                                                              | 43.01               | 27.62                 | 3.94                  | 34.97           | 39.6            | 74                    | 34.4        | <b>PK</b> |
| 2400                                                                                              | --                  | 27.62                 | 3.94                  | 34.97           | --              | 54                    | --          | <b>AV</b> |
|                                                                                                   |                     |                       |                       |                 |                 |                       |             |           |
| Note:                                                                                             |                     |                       |                       |                 |                 |                       |             |           |
| 1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK                 |                     |                       |                       |                 |                 |                       |             |           |
| 2, Spectrum Set for AV measure: RBW=1MHz, VBW=3MHz, Sweep time=Auto, Detector: RMS                |                     |                       |                       |                 |                 |                       |             |           |
| 3, Result = Read level + Antenna factor + cable loss-Amp factor                                   |                     |                       |                       |                 |                 |                       |             |           |
| 4, All the other emissions not reported were too low to read and deemed to comply with FCC limit. |                     |                       |                       |                 |                 |                       |             |           |

| Band Edge Test result        |                     |                       |                       |                 |                 |                       |             |        |
|------------------------------|---------------------|-----------------------|-----------------------|-----------------|-----------------|-----------------------|-------------|--------|
| EUT: WiFi Repeater           |                     |                       | M/N: VRP5G            |                 |                 |                       |             |        |
| Power: AC120V/60Hz           |                     |                       |                       |                 |                 |                       |             |        |
| Test date: 2016-1-13         |                     |                       | Test site: 3m Chamber |                 |                 | Tested by: Eric Huang |             |        |
| Test mode: MIMO Tx High      |                     |                       |                       |                 |                 |                       |             |        |
| Antenna polarity: Vertical   |                     |                       |                       |                 |                 |                       |             |        |
| Freq (MHz)                   | Read Level (dBuV/m) | Antenna Factor (dB/m) | Cable loss(dB)        | Amp Factor (dB) | Result (dBuV/m) | Limit (dBuV/m)        | Margin (dB) | Remark |
| 2483.5                       | 44.55               | 27.89                 | 4                     | 34.97           | 41.47           | 74                    | 32.53       | PK     |
| --                           | --                  | --                    | --                    | --              | --              | --                    | --          | --     |
|                              |                     |                       |                       |                 |                 |                       |             |        |
|                              |                     |                       |                       |                 |                 |                       |             |        |
|                              |                     |                       |                       |                 |                 |                       |             |        |
| Antenna Polarity: Horizontal |                     |                       |                       |                 |                 |                       |             |        |
| 2483.5                       | 45.17               | 27.89                 | 4                     | 34.97           | 42.09           | 74                    | 31.91       | PK     |
| --                           | --                  | --                    | --                    | --              | --              | --                    | --          | --     |
|                              |                     |                       |                       |                 |                 |                       |             |        |
|                              |                     |                       |                       |                 |                 |                       |             |        |
|                              |                     |                       |                       |                 |                 |                       |             |        |

Note:

1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK

2, Spectrum Set for AV measure: RBW=1MHz, VBW=3MHz, Sweep time=Auto, Detector: RMS

3, Result = Read level + Antenna factor + cable loss-Amp factor

4, All the other emissions not reported were too low to read and deemed to comply with FCC limit.

| Band Edge Test result                                                                             |                     |                       |                       |                 |                 |                       |             |           |
|---------------------------------------------------------------------------------------------------|---------------------|-----------------------|-----------------------|-----------------|-----------------|-----------------------|-------------|-----------|
| EUT: WiFi Repeater                                                                                |                     |                       | M/N: VRP5G            |                 |                 |                       |             |           |
| Power: AC120V/60Hz                                                                                |                     |                       |                       |                 |                 |                       |             |           |
| Test date: 2016-1-13                                                                              |                     |                       | Test site: 3m Chamber |                 |                 | Tested by: Eric Huang |             |           |
| Test mode: MIMO Tx Low                                                                            |                     |                       |                       |                 |                 |                       |             |           |
| Antenna polarity: Vertical                                                                        |                     |                       |                       |                 |                 |                       |             |           |
| Freq (MHz)                                                                                        | Read Level (dBuV/m) | Antenna Factor (dB/m) | Cable loss(dB)        | Amp Factor (dB) | Result (dBuV/m) | Limit (dBuV/m)        | Margin (dB) | Remark    |
| 2390                                                                                              | 41.57               | 27.62                 | 3.92                  | 34.97           | 38.14           | 74                    | 35.86       | <b>PK</b> |
| 2390                                                                                              | --                  | 27.62                 | 3.92                  | 34.97           | --              | 54                    | --          | AV        |
| 2400                                                                                              | 41.69               | 27.62                 | 3.94                  | 34.97           | 38.28           | 74                    | 35.72       | <b>PK</b> |
| 2400                                                                                              | --                  | 27.62                 | 3.94                  | 34.97           | --              | 54                    | --          | AV        |
|                                                                                                   |                     |                       |                       |                 |                 |                       |             |           |
| Antenna Polarity: Horizontal                                                                      |                     |                       |                       |                 |                 |                       |             |           |
| 2390                                                                                              | 42.49               | 27.62                 | 3.92                  | 34.97           | 39.06           | 74                    | 34.94       | <b>PK</b> |
| 2390                                                                                              | --                  | 27.62                 | 3.92                  | 34.97           | --              | 54                    | --          | AV        |
| 2400                                                                                              | 43.37               | 27.62                 | 3.94                  | 34.97           | 39.96           | 74                    | 34.04       | <b>PK</b> |
| 2400                                                                                              | --                  | 27.62                 | 3.94                  | 34.97           | --              | 54                    | --          | AV        |
|                                                                                                   |                     |                       |                       |                 |                 |                       |             |           |
| Note:                                                                                             |                     |                       |                       |                 |                 |                       |             |           |
| 1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK                 |                     |                       |                       |                 |                 |                       |             |           |
| 2, Spectrum Set for AV measure: RBW=1MHz, VBW=3MHz, Sweep time=Auto, Detector: RMS                |                     |                       |                       |                 |                 |                       |             |           |
| 3, Result = Read level + Antenna factor + cable loss-Amp factor                                   |                     |                       |                       |                 |                 |                       |             |           |
| 4, All the other emissions not reported were too low to read and deemed to comply with FCC limit. |                     |                       |                       |                 |                 |                       |             |           |

| Band Edge Test result                                                                             |                     |                       |                       |                 |                 |                       |             |        |
|---------------------------------------------------------------------------------------------------|---------------------|-----------------------|-----------------------|-----------------|-----------------|-----------------------|-------------|--------|
| EUT: WiFi Repeater                                                                                |                     |                       | M/N: VRP5G            |                 |                 |                       |             |        |
| Power: AC120V/60Hz                                                                                |                     |                       |                       |                 |                 |                       |             |        |
| Test date: 2016-1-13                                                                              |                     |                       | Test site: 3m Chamber |                 |                 | Tested by: Eric Huang |             |        |
| Test mode: MIMO Tx High                                                                           |                     |                       |                       |                 |                 |                       |             |        |
| Antenna polarity: Vertical                                                                        |                     |                       |                       |                 |                 |                       |             |        |
| Freq (MHz)                                                                                        | Read Level (dBuV/m) | Antenna Factor (dB/m) | Cable loss(dB)        | Amp Factor (dB) | Result (dBuV/m) | Limit (dBuV/m)        | Margin (dB) | Remark |
| 2483.5                                                                                            | 44.21               | 27.89                 | 4                     | 34.97           | 41.13           | 74                    | 32.87       | PK     |
| --                                                                                                | --                  | --                    | --                    | --              | --              | --                    | --          | --     |
|                                                                                                   |                     |                       |                       |                 |                 |                       |             |        |
|                                                                                                   |                     |                       |                       |                 |                 |                       |             |        |
|                                                                                                   |                     |                       |                       |                 |                 |                       |             |        |
| Antenna Polarity: Horizontal                                                                      |                     |                       |                       |                 |                 |                       |             |        |
| 2483.5                                                                                            | 44.55               | 27.89                 | 4                     | 34.97           | 41.47           | 74                    | 32.53       | PK     |
| --                                                                                                | --                  | --                    | --                    | --              | --              | --                    | --          | --     |
|                                                                                                   |                     |                       |                       |                 |                 |                       |             |        |
|                                                                                                   |                     |                       |                       |                 |                 |                       |             |        |
|                                                                                                   |                     |                       |                       |                 |                 |                       |             |        |
| Note:                                                                                             |                     |                       |                       |                 |                 |                       |             |        |
| 1, Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK                 |                     |                       |                       |                 |                 |                       |             |        |
| 2, Spectrum Set for AV measure: RBW=1MHz, VBW=3MHz, Sweep time=Auto, Detector: RMS                |                     |                       |                       |                 |                 |                       |             |        |
| 3, Result = Read level + Antenna factor + cable loss-Amp factor                                   |                     |                       |                       |                 |                 |                       |             |        |
| 4, All the other emissions not reported were too low to read and deemed to comply with FCC limit. |                     |                       |                       |                 |                 |                       |             |        |

## 11 Antenna Requirement

### 11.1 Standard Requirement

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

### 11.2 Antenna Connected Construction

The antenna connector is unique antenna and no consideration of replacement. Please see EUT photo for details.

### 11.3 Result

The EUT antenna is PCB Antenna with antenna gain of 5dBi for each PCS. It comply with the standard requirement.

## 12 Photographs of Test Setup

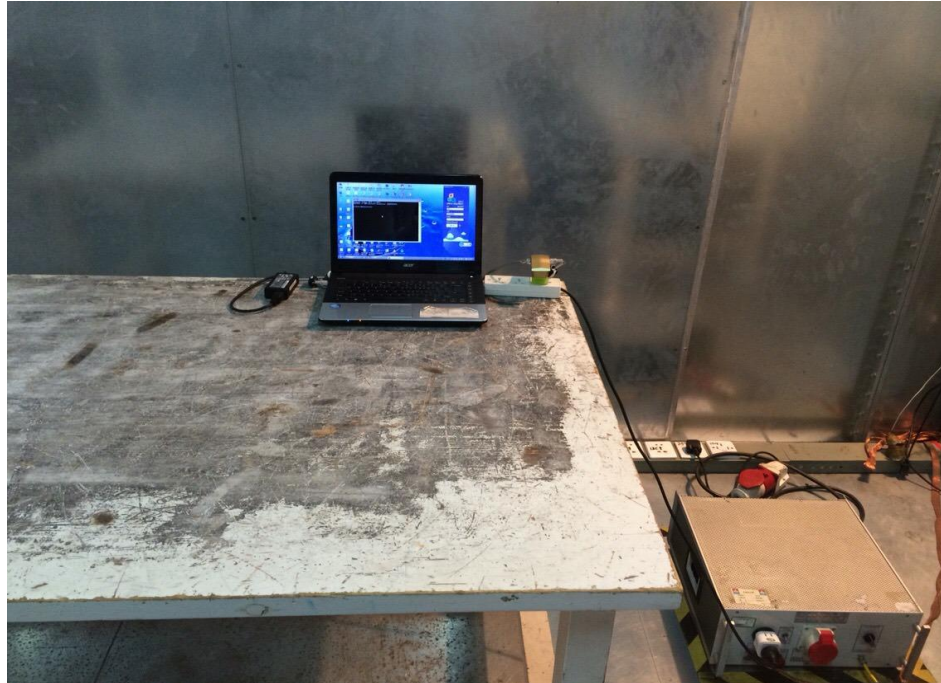
### Photographs-Radiated Emission Test Setup in Chamber Below 1G



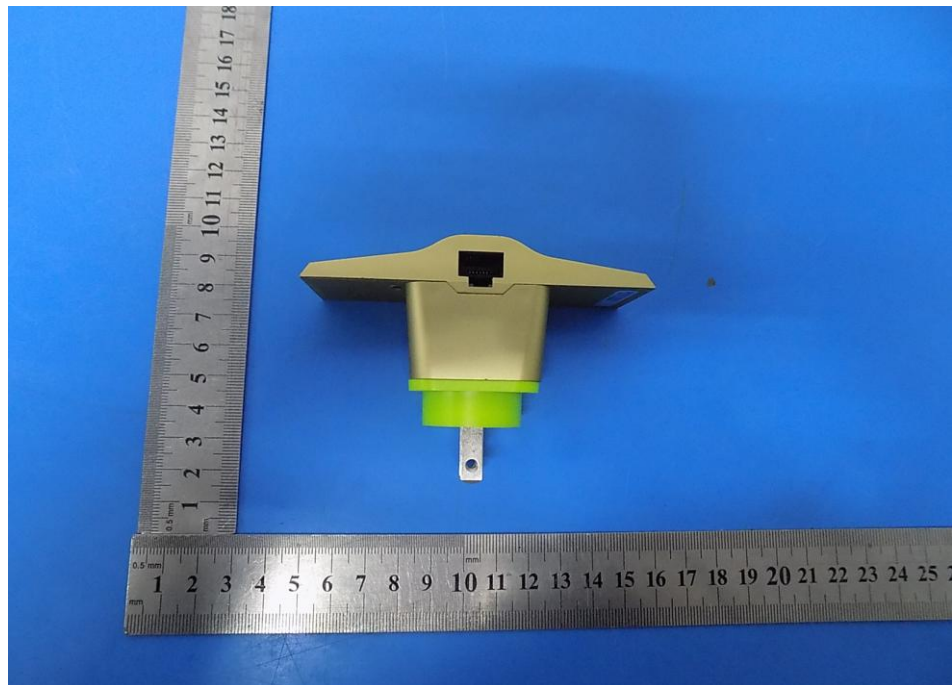
### Above 1G

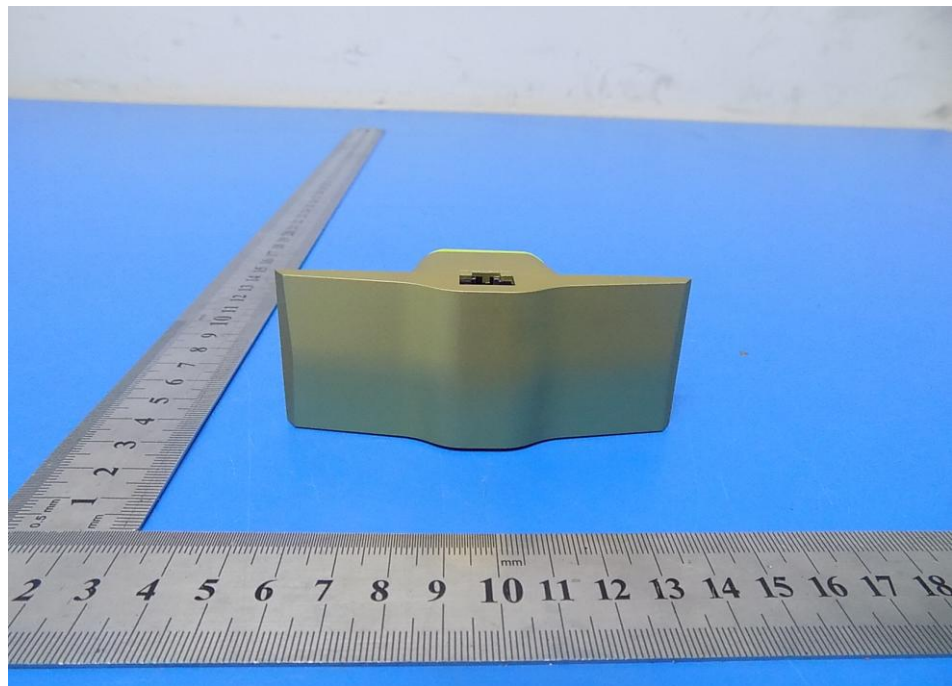
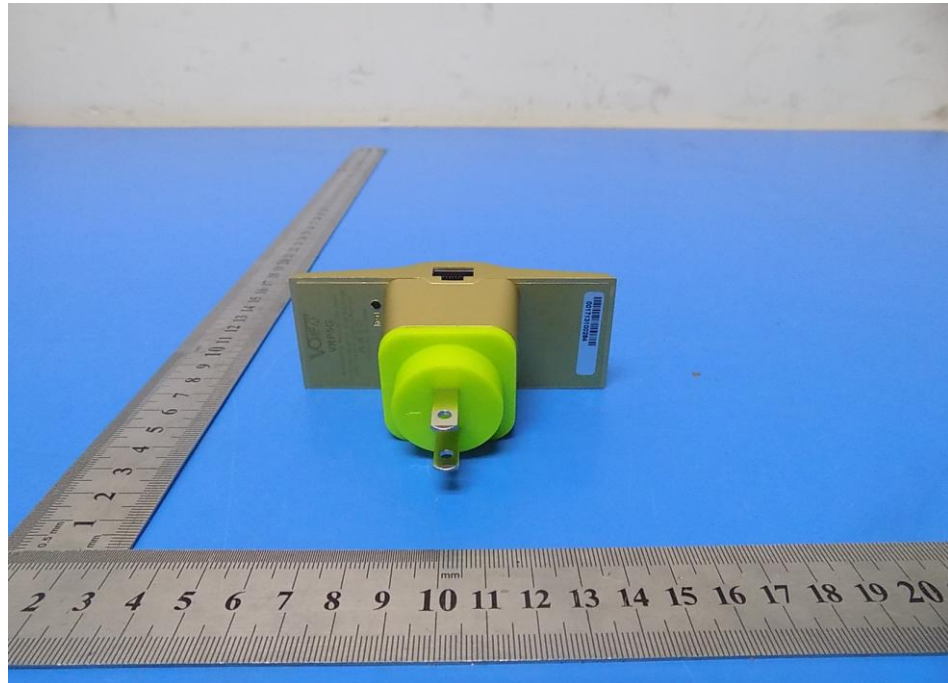


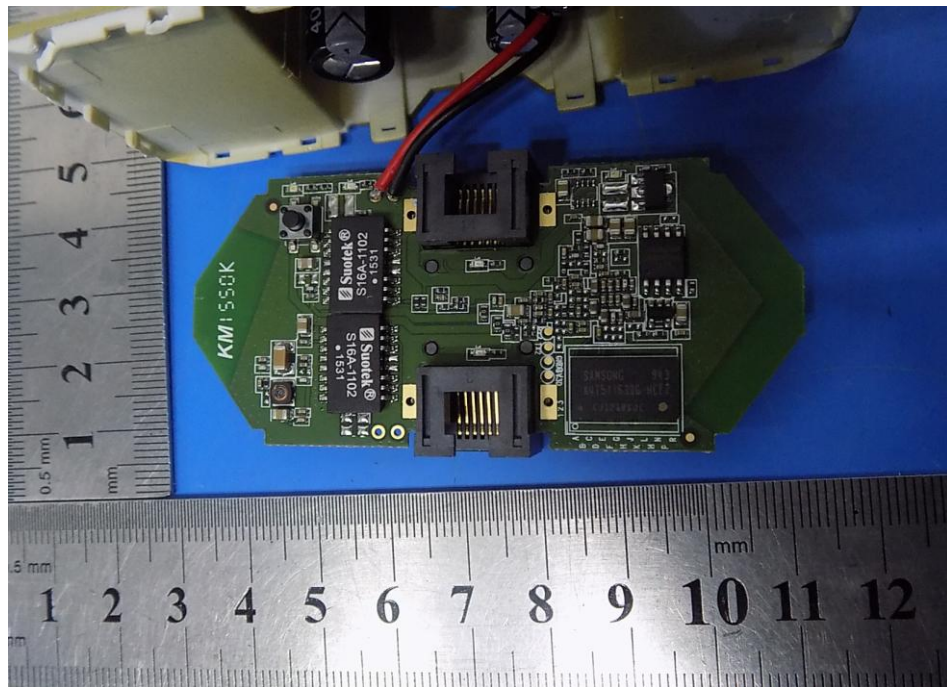
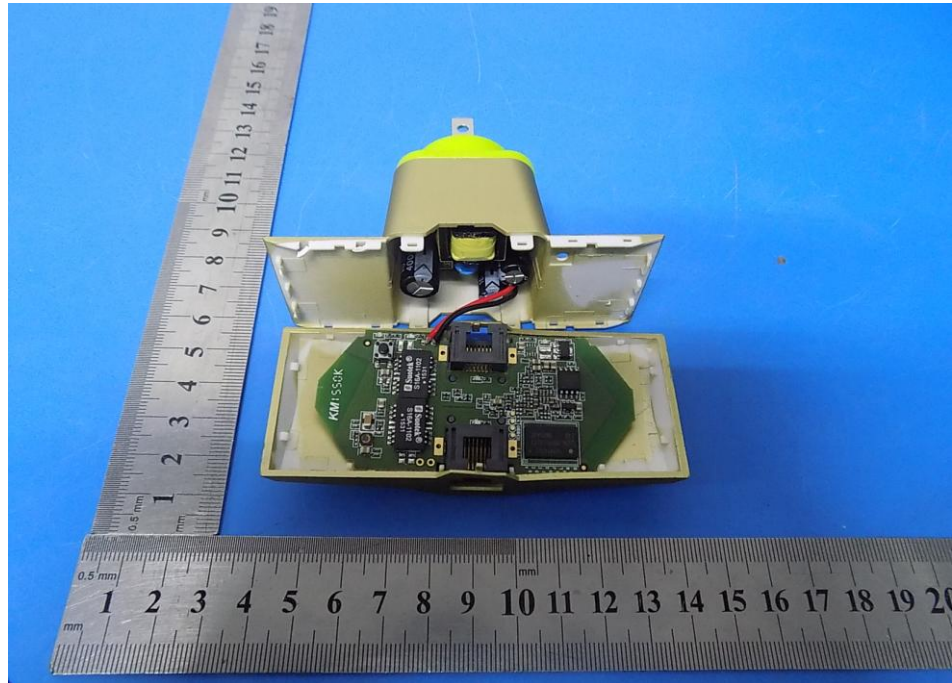
## Photographs-Conducted Emission Test Setup

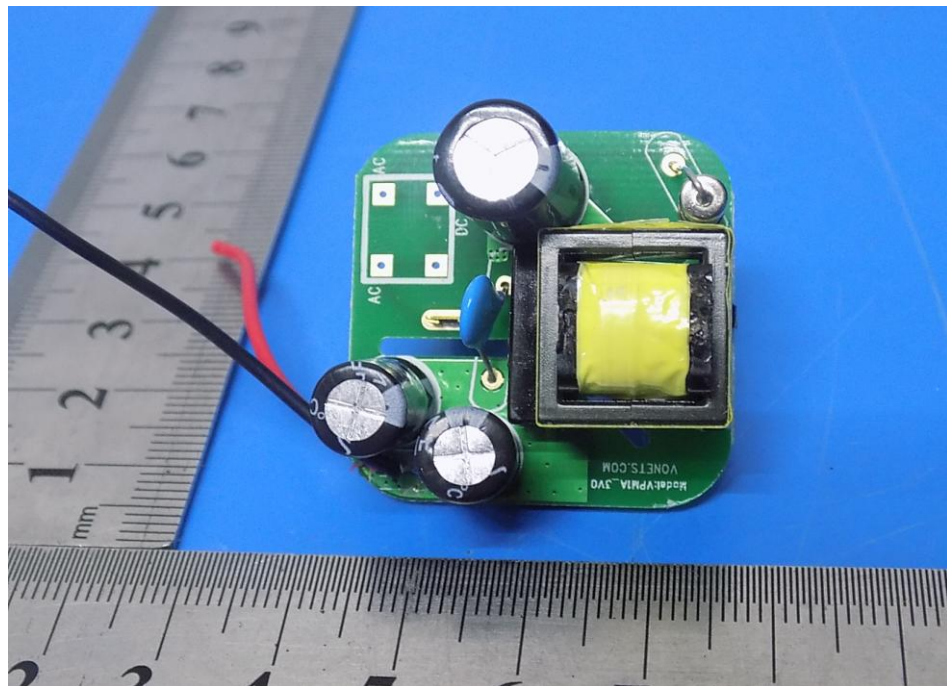
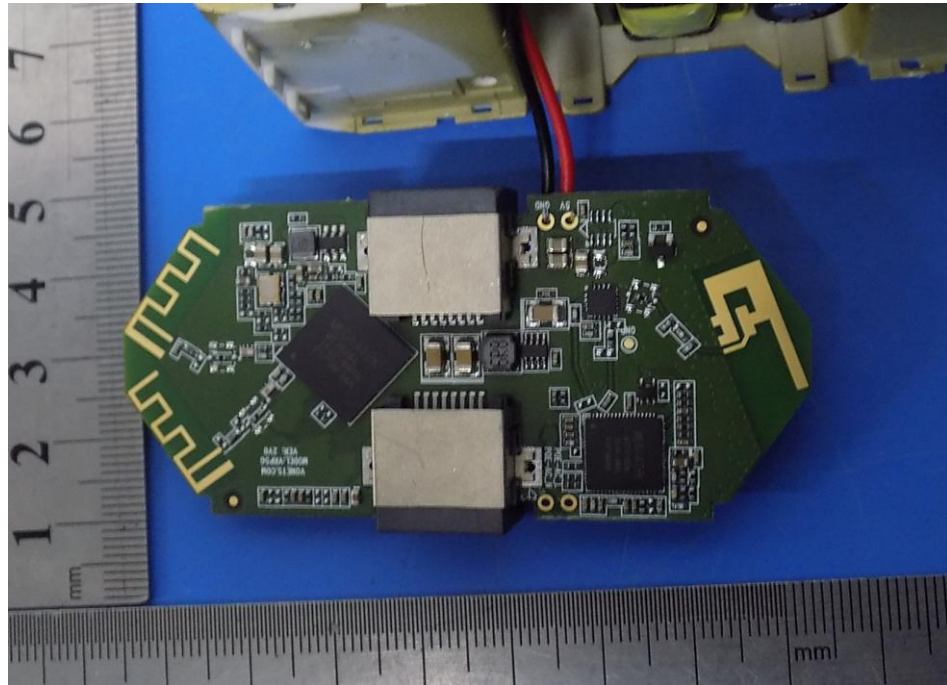


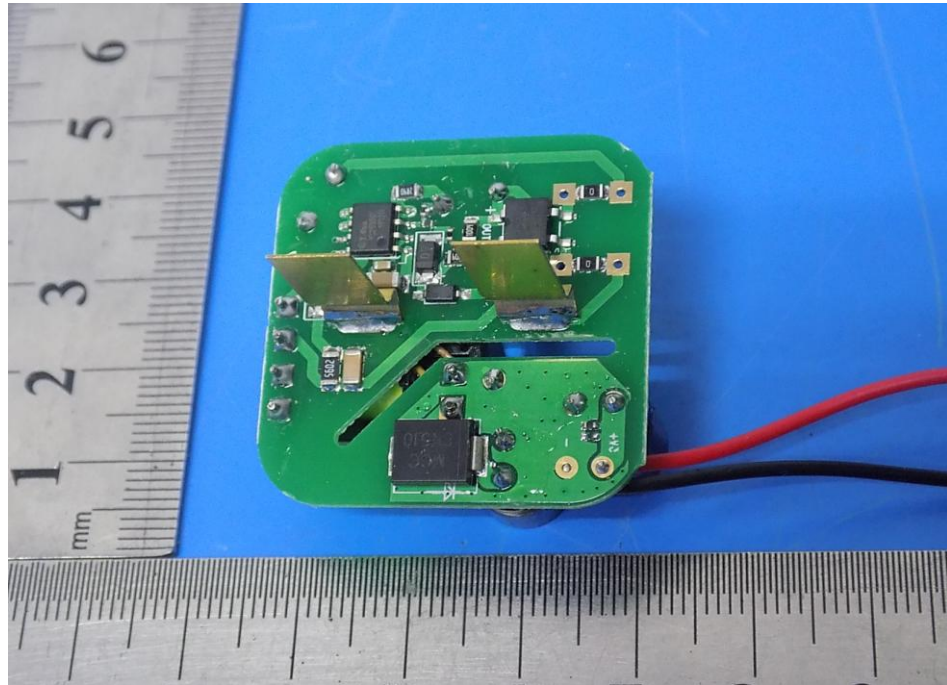
## 13 Photographs of EUT











-----END OF THE REPORT-----