



# TEST REPORT

According to

## FCC CFR Title 47 Part 15 Subpart C

|            |                                                                      |
|------------|----------------------------------------------------------------------|
| Applicant  | : ZyXEL Communications Corporation                                   |
| Address    | : No.2, Gongye E. 9th Road, Hsinchu Science Park,<br>Hsinchu, Taiwan |
| Equipment  | : Wireless N VDSL2 4-ports Gateway                                   |
| Model No.  | : DSL-401HNU-T1C v2;VMG1302-T10C                                     |
| Brand Name | : <b>ZyXEL</b>                                                       |
| FCC ID     | : I88VMG1312T10C                                                     |

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**History of this test report**

| Attachment No. | Issue Date | Description                                                                                                                                                                                       |
|----------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SEFI1405109    | 2014-06-20 | Initial release                                                                                                                                                                                   |
| SEFI1405109-E  | 2015-11-02 | Second Issue:<br>1. Remove USB module<br>2. Add Power adapter<br>3. add one new antenna structure with two external 5 dBi antennas, see photos for more details<br>4. Appearance changes to black |



# CERTIFICATE OF COMPLIANCE

According to

## FCC CFR Title 47 Part 15 Subpart C

|            |                                                                      |
|------------|----------------------------------------------------------------------|
| Applicant  | : ZyXEL Communications Corporation                                   |
| Address    | : No.2, Gongye E. 9th Road, Hsinchu Science Park,<br>Hsinchu, Taiwan |
| Equipment  | : Wireless N VDSL2 4-ports Gateway                                   |
| Model No.  | : DSL-401HNU-T1C v2;VMG1302-T10C                                     |
| Brand Name | : <b>ZyXEL</b>                                                       |
| FCC ID     | : I88VMG1312T10C                                                     |

I **HEREBY** CERTIFY THAT :

The measurements shown in this test report were made in accordance with the procedures given in **ANSI C63.10** The equipment was **passed** the test performed according to **FCC Rules and Regulations Part 15 Subpart C (2010)**

The test was carried out on Nov 02, 2015 at **Cerpass Technology (Suzhou) Co.,Ltd**

Signature

Miro Chueh/ Technical director



## 1. Report of Measurements and Examinations

### 1.1 List of Measurements and Examinations

| Nue | . Description of Test       | Applicable | Result |
|-----|-----------------------------|------------|--------|
| 1   | Maximum Output Power        | Yes        | Pass   |
| 2   | Radiated Emission           | Yes        | Pass   |
| 3   | Radiated Emission Band Edge | Yes        | Pass   |



## 2. Test Configuration of Equipment under Test

### 2.1 Feature of Equipment under Test

|                    |                                                                           |
|--------------------|---------------------------------------------------------------------------|
| Proudut            | Wireless N VDSL2 4-ports Gateway                                          |
| Model No           | DSL-401HNU-T1C v2;VMG1302-T10C                                            |
| Data Rate          | DSSS(1-11Mbps)<br>OFDM (6/9/12/18/24/36/48/54Mbps)                        |
| Modulation Mode    | 802.11b: CCK, DQPSK, DBPSK<br>802.11g/802.11n: 64 QAM, 16 QAM, QPSK, BPSK |
| Frequency Range    | 802.11b/g/n(20MHz): 2412-2462MHz<br>802.11n(40MHz): 2422-2452MHz          |
| Number of Channels | 802.11b/g/n (20MHz):11<br>802.11n (40MHz): 6                              |
| Antenna Gain       | Antenna 1 Dipole (5.0 dBi)<br>Antenna 2 Dipole (5.0 dBi)                  |



## 2.2 Adapter information

|            |                        |                                  |
|------------|------------------------|----------------------------------|
| Adapter #1 | ADS012PM-W 120100      |                                  |
|            | Input:                 | 100~240V AC 50-60Hz 0.5A         |
|            | Output:                | 12V $\overline{\text{---}}$ 1.0A |
|            | Power supply cable:    | Non-Shielded, 1.5m               |
| Adapter #2 | MSP-C1000IC12.0-12B-US |                                  |
|            | Input:                 | 100~240V AC 50-60Hz 0.5A         |
|            | Output:                | 12V $\overline{\text{---}}$ 1.0A |
|            | Power supply cable:    | Non-Shielded, 1.5m               |
| IC Chipset | Model No.:             | ECONET,MT7510                    |

### Add Power adapter

|            |                        |                                  |
|------------|------------------------|----------------------------------|
| Adapter #3 | MSA-C1000IC12.0-12W-US |                                  |
|            | Input:                 | 100~240V AC 50-60Hz 0.5A max     |
|            | Output:                | 12V $\overline{\text{---}}$ 1.0A |
|            | Power supply cable:    | Non-Shielded, 1.5m               |



### 2.3 Carrier Frequency of Channels

| 802.11b, 802.11g, 802.11n(20MHz) |                |         |                |
|----------------------------------|----------------|---------|----------------|
| Channel                          | Frequency(MHz) | Channel | Frequency(MHz) |
| 01                               | 2412           | 07      | 2442           |
| 02                               | 2417           | 08      | 2447           |
| 03                               | 2422           | 09      | 2452           |
| 04                               | 2427           | 10      | 2457           |
| 05                               | 2432           | 11      | 2462           |
| 06                               | 2437           |         |                |

| 802.11n(40MHz) |                |         |                |
|----------------|----------------|---------|----------------|
| Channel        | Frequency(MHz) | Channel | Frequency(MHz) |
| 01             | ---            | 05      | 2432           |
| 02             | ---            | 06      | 2437           |
| 03             | 2422           | 08      | 2447           |
| 04             | 2427           | 09      | 2452           |

### 2.4 Power Setting Levels

| Mode      | Frequency (MHz) | Power Setting |       |
|-----------|-----------------|---------------|-------|
|           |                 | Ant 1         | Ant 2 |
| 802.11b   | 2412            | 18            | 21    |
|           | 2437            | 18            | 22    |
|           | 2462            | 18            | 23    |
| 802.11g   | 2412            | 18            | 21    |
|           | 2437            | 18            | 22    |
|           | 2462            | 18            | 23    |
| 802.11n20 | 2412            | 18            | 21    |
|           | 2437            | 18            | 22    |
|           | 2462            | 18            | 23    |
| 802.11n40 | 2422            | 18            | 21    |
|           | 2437            | 18            | 22    |
|           | 2452            | 18            | 23    |





## 2.5 The Worst Case Configuration

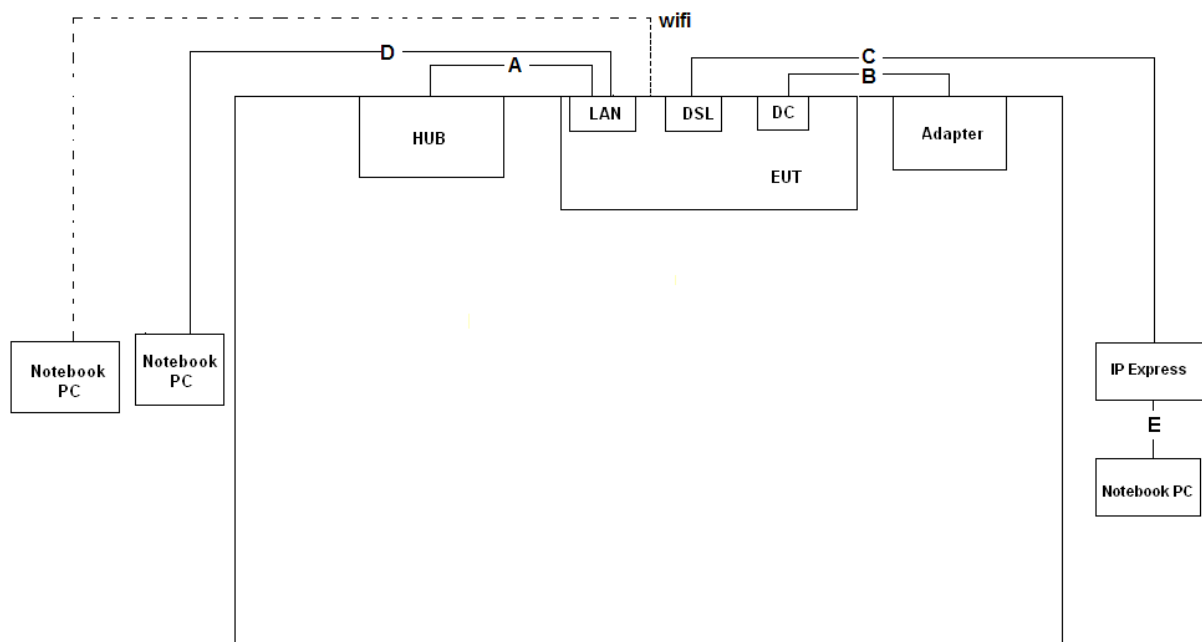
| Modulation Mode | Transmit Chain | Worst Data Rate |
|-----------------|----------------|-----------------|
| 802.11b         | Main           | 1Mbps           |
| 802.11g         | Main           | 6Mbps           |
| 802.11n(HT20)   | Main           | MCS0            |
| 802.11n(HT40)   | Main           | MCS0            |

## 2.6 Description of Test System

| No. | Device      | Manufacturer | Model No.   | Description                   |
|-----|-------------|--------------|-------------|-------------------------------|
| 1   | Notebook PC | SONY         | PCG-71811P  | Non-Shielded,1.5m<br>(R33021) |
| 2   | HUB         | BELKIN       | FSD5141-24  | Non-Shielded,1.8m             |
| 3   | IP Express  | ZyXEL        | IES-1000    | Non-Shielded,1.5m             |
| 4   | Notebook PC | DELL         | VOSTRO-3560 | Non-Shielded,1.5m             |
| 5   | Notebook PC | LENOVO       | G50         | Non-Shielded,1.5m             |



## 2.7 Connection Diagram of Test System



| Item | Cable      | Quantity | Description          |
|------|------------|----------|----------------------|
| A    | LAN Cable  | 3        | Non-Shielding, 1.2m  |
| B    | DC Cable   | 1        | Non-Shielding, 1.5m  |
| C    | RJ11 Cable | 1        | Non-Shielding, >3.0m |
| D    | LAN Cable  | 1        | Non-Shielding, >3.0m |
| E    | LAN Cable  | 1        | Non-Shielding, 1.2m  |



## 2.8 General Information of Test

|                               |                                                                                                                                                                        |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Site:                    | CerpPASS Technology (Suzhou) Co.,Ltd                                                                                                                                   |
| Test Site Location :          | No.66,Tangzhuang Road, Suzhou Industrial Park, Jiangsu 215006, China                                                                                                   |
| NVLAP LAB Code :              | 200814-0                                                                                                                                                               |
| FCC Registration Number :     | 916572, 331395                                                                                                                                                         |
| IC Registration Number :      | 7290A-1, 7290A-2                                                                                                                                                       |
| VCCI Registration Number :    | T-1945 for Telecommunication Test<br>C-2919 for Conducted emission test<br>R-2670 for Radiated emission test below 1GHz<br>G-227 for Radiated emission test above 1GHz |
| Frequency Range Investigated: | Conducted: from 150kHz to 30MHz<br>Radiation: from 30MHz to 25000MHz                                                                                                   |
| Test Distance:                | The test distance of radiated emission from antenna to EUT is 3 M.                                                                                                     |



## 2.9 Measurement Uncertainty

| Measurement Item          | Measurement Frequency | Polarization | Uncertainty   |
|---------------------------|-----------------------|--------------|---------------|
| Conducted Emission        | 9 kHz ~ 30 MHz        | LINE/NEUTRAL | $\pm 2.71$ dB |
| Radiated Emission         | 30 MHz ~ 25GHz        | Vertical     | $\pm 4.11$ dB |
|                           |                       | Horizontal   | $\pm 4.10$ dB |
| Occupied Bandwidth        | ---                   | ---          | $\pm 7500$ Hz |
| Maximum Peak Output Power | ---                   | ---          | $\pm 1.4$ dB  |
| Band Edges                | ---                   | ---          | $\pm 2.2$ dB  |
| Power Spectral Density    | ---                   | ---          | $\pm 2.2$ dB  |



### 3. Maximum Output Power

#### 3.1 Test Limit

The maximum power shall be less 1Watt (30dBm).

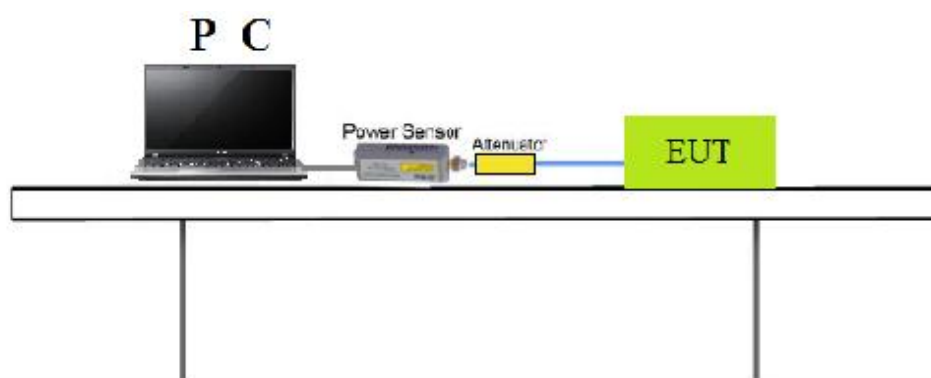
The conducted output power limits specified in §15.247(b) are based on the use of transmit antennae with directional gains that do not exceed 6 dBi. If transmit antennae with an effective directional gain greater than 6 dBi are used, then the conducted output power from the EUT shall be reduced as specified in §15.247(b) and (c).

#### 3.2 Test Procedure

The EUT was tested according to DTS test procedure of KDB 558074 for compliance to FCC 47CFR 15.247 requirements. The maximum conducted Peak output power using KDB 558074 D01v03r03 - Section 9.1.2 PKPM1 Peak power meter method.

The EUT was tested according to DTS test procedure of KDB 558074 for compliance to FCC 47CFR 15.247 requirements. The maximum conducted AVG output power using KDB 558074 D01v03r03 - Section 9.2.3.2 AVGPMM-G Average Power Method.

#### 3.3 Test Setup Layout



#### 3.4 Measurement Equipment

| Instrument            | Manufacturer | Type No. | Serial No. | Calibration Date | Valid Date. |
|-----------------------|--------------|----------|------------|------------------|-------------|
| PC                    | Lenovo       | E40-70   | MP078UQV   | N/A              | N/A         |
| SERIES<br>POWER METER | ANRITSU      | ML2495A  | 1224005    | 2015.03.27       | 2016.03.26  |
| POWER SENSOR          | Agilent      | U2021XA  | MY53260020 | 2015.03.27       | 2016.03.26  |
| POWER SENSOR          | ANRITSU      | MA2411B  | 1207295    | 2015.03.27       | 2016.03.26  |



### 3.5 Test Result

Power output test was verified over all data rates of each mode shown as below, and then choose the maximum power output (blue marker) for final test of each channel.

| MCS Index<br>for<br>802.11n | Spatial<br>Streams | Data Rate (Mbps) |         |                 |          |                 |          |
|-----------------------------|--------------------|------------------|---------|-----------------|----------|-----------------|----------|
|                             |                    | 802.11b          | 802.11g | 20MHz Bandwidth |          | 40MHz Bandwidth |          |
|                             |                    |                  |         | 800ns GI        | 400ns GI | 800ns<br>GI     | 400ns GI |
| 0                           | 1                  | 1                | 6       | 6.5             | 7.2      | 13.5            | 15.0     |
| 1                           | 1                  | 2                | 9       | 13.0            | 14.4     | 27.0            | 30.0     |
| 2                           | 1                  | 5.5              | 12      | 19.5            | 21.7     | 40.5            | 45.0     |
| 3                           | 1                  | 11               | 18      | 26.0            | 28.9     | 54.0            | 60.0     |
| 4                           | 1                  | --               | 24      | 39.0            | 43.3     | 81.0            | 90.0     |
| 5                           | 1                  | --               | 36      | 52.0            | 57.8     | 108.0           | 120.0    |
| 6                           | 1                  | --               | 48      | 58.5            | 65.0     | 121.5           | 135.0    |
| 7                           | 1                  | --               | 54      | 65.0            | 72.2     | 135.0           | 150.0    |
| 8                           | 2                  | --               | --      | 13.0            | 14.4     | 27.0            | 30.0     |
| 9                           | 2                  | --               | --      | 26.0            | 28.9     | 54.0            | 60.0     |
| 10                          | 2                  | --               | --      | 39.0            | 43.3     | 81.0            | 90.0     |
| 11                          | 2                  | --               | --      | 52.0            | 57.8     | 108.0           | 120.0    |
| 12                          | 2                  | --               | --      | 78.0            | 86.7     | 162.0           | 180.0    |
| 13                          | 2                  | --               | --      | 104.0           | 115.6    | 216.0           | 240.0    |
| 14                          | 2                  | --               | --      | 117.0           | 130.0    | 243.0           | 270.0    |
| 15                          | 2                  | --               | --      | 130.0           | 144.0    | 270.0           | 300.0    |



| Test Mode | Channel No. | Maximum Peak<br>Output Power<br>Ant 1(dBm) | Limit (dBm) | Result |
|-----------|-------------|--------------------------------------------|-------------|--------|
| 802.11b   | 01          | 18.21                                      | 30          | Pass   |
|           | 06          | 17.66                                      | 30          | Pass   |
|           | 11          | 17.31                                      | 30          | Pass   |
| 802.11g   | 01          | 17.59                                      | 30          | Pass   |
|           | 06          | 18.47                                      | 30          | Pass   |
|           | 11          | 17.69                                      | 30          | Pass   |
| 802.11n20 | 01          | 17.26                                      | 30          | Pass   |
|           | 06          | 18.54                                      | 30          | Pass   |
|           | 11          | 18.73                                      | 30          | Pass   |
| 802.11n40 | 03          | 17.21                                      | 30          | Pass   |
|           | 06          | 18.45                                      | 30          | Pass   |
|           | 09          | 17.59                                      | 30          | Pass   |

| Test Mode | Channel No. | Maximum Peak<br>Output Power<br>Ant 2(dBm) | Limit (dBm) | Result |
|-----------|-------------|--------------------------------------------|-------------|--------|
| 802.11b   | 01          | 18.43                                      | 30          | Pass   |
|           | 06          | 17.69                                      | 30          | Pass   |
|           | 11          | 16.44                                      | 30          | Pass   |
| 802.11g   | 01          | 16.41                                      | 30          | Pass   |
|           | 06          | 17.82                                      | 30          | Pass   |
|           | 11          | 18.43                                      | 30          | Pass   |
| 802.11n20 | 01          | 17.79                                      | 30          | Pass   |
|           | 06          | 17.68                                      | 30          | Pass   |
|           | 11          | 18.04                                      | 30          | Pass   |
| 802.11n40 | 03          | 16.89                                      | 30          | Pass   |
|           | 06          | 17.23                                      | 30          | Pass   |
|           | 09          | 16.78                                      | 30          | Pass   |



| Test Mode      | Channel No. | Maximum Peak Output Power (dBm) |       | Total Power Ant (1+2) | Limit (dBm) | Result |
|----------------|-------------|---------------------------------|-------|-----------------------|-------------|--------|
|                |             | Ant 1                           | Ant 2 |                       |             |        |
| 802.11n(20MHz) | 01          | 18.44                           | 17.82 | 21.15                 | 30          | Pass   |
|                | 06          | 18.32                           | 17.50 | 20.94                 | 30          | Pass   |
|                | 11          | 17.46                           | 17.38 | 20.43                 | 30          | Pass   |
| 802.11n(40MHz) | 03          | 18.59                           | 17.85 | 21.25                 | 30          | Pass   |
|                | 06          | 18.55                           | 17.41 | 21.03                 | 30          | Pass   |
|                | 09          | 17.49                           | 17.44 | 20.48                 | 30          | Pass   |

| Test Mode | Channel No. | Average Power (dBm) Ant 1 | Limit (dBm) | Result |
|-----------|-------------|---------------------------|-------------|--------|
| 802.11b   | 01          | 16.90                     | 30          | Pass   |
|           | 06          | 17.06                     | 30          | Pass   |
|           | 11          | 17.04                     | 30          | Pass   |
| 802.11g   | 01          | 15.03                     | 30          | Pass   |
|           | 06          | 15.56                     | 30          | Pass   |
|           | 11          | 15.8                      | 30          | Pass   |
| 802.11n20 | 01          | 12.84                     | 30          | Pass   |
|           | 06          | 13.39                     | 30          | Pass   |
|           | 11          | 13.67                     | 30          | Pass   |
| 802.11n40 | 03          | 12.82                     | 30          | Pass   |
|           | 06          | 13.12                     | 30          | Pass   |
|           | 09          | 13.31                     | 30          | Pass   |





| Test Mode | Channel No. | Average Power (dBm)<br>Ant 2 | Limit (dBm) | Result |
|-----------|-------------|------------------------------|-------------|--------|
| 802.11b   | 01          | 17.17                        | 30          | Pass   |
|           | 06          | 17.18                        | 30          | Pass   |
|           | 11          | 17.28                        | 30          | Pass   |
| 802.11g   | 01          | 15.84                        | 30          | Pass   |
|           | 06          | 16.26                        | 30          | Pass   |
|           | 11          | 16.6                         | 30          | Pass   |
| 802.11n20 | 01          | 13.64                        | 30          | Pass   |
|           | 06          | 14.04                        | 30          | Pass   |
|           | 11          | 14.38                        | 30          | Pass   |
| 802.11n40 | 03          | 13.39                        | 30          | Pass   |
|           | 06          | 13.76                        | 30          | Pass   |
|           | 09          | 14.14                        | 30          | Pass   |

| Test Mode      | Channel No. | Average Output Power (dBm) |       | Total Power<br>Ant (1+2) | Limit (dBm) | Result |
|----------------|-------------|----------------------------|-------|--------------------------|-------------|--------|
|                |             | Ant 1                      | Ant 2 |                          |             |        |
| 802.11n(20MHz) | 01          | 13.23                      | 12.67 | 15.97                    | 30          | Pass   |
|                | 06          | 13.64                      | 12.53 | 16.13                    | 30          | Pass   |
|                | 11          | 12.67                      | 12.27 | 15.48                    | 30          | Pass   |
| 802.11n(40MHz) | 03          | 13.36                      | 12.89 | 16.14                    | 30          | Pass   |
|                | 06          | 13.53                      | 12.53 | 16.07                    | 30          | Pass   |
|                | 09          | 12.28                      | 12.57 | 15.44                    | 30          | Pass   |



## 4. Test of Radiated Emission

### 4.1 Test Limit

In any 100kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. If the transmitter measurement is based on the maximum conducted output power, the attenuation required under this paragraph shall be 30dB instead of 20dB. In addition, radiated emissions which fall in section 15.205(a) the restricted bands must also comply with the radiated emission limit specified in section 15.209(a).

| FREQUENCIES(MHz) | FIELD STRENGTH<br>(microvolts/meter) | MEASUREMENT<br>DISTANCE(meters) |
|------------------|--------------------------------------|---------------------------------|
| 0.009~0.490      | 2400/F(kHz)                          | 300                             |
| 0.490~1.705      | 24000/F(kHz)                         | 30                              |
| 1.705~30.0       | 30                                   | 30                              |
| 30~88            | 100                                  | 3                               |
| 88~216           | 150                                  | 3                               |
| 216~960          | 200                                  | 3                               |
| Above 960        | 500                                  | 3                               |

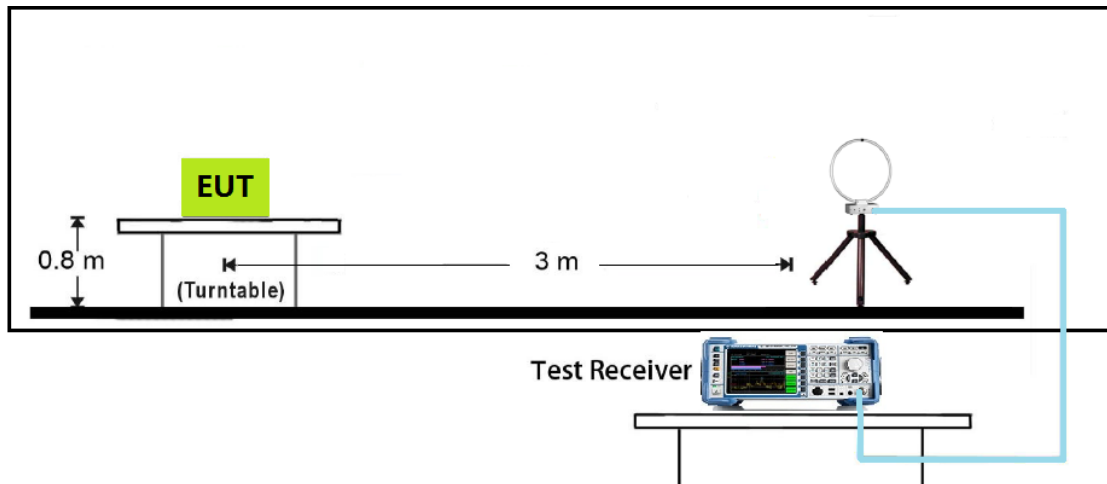
### 4.2 Test Procedures

- The EUT was placed on a rotatable table top 0.8 meter for frequency below 1GHz and 1.5meter for frequency above 1GHz above ground.
- The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
- The table was rotated 360 degrees to determine the position of the highest radiation.
- The antenna is a broadband antenna and its height is varied between one meter and four meters above ground to find the maximum value of the field strength both horizontal polarization and vertical polarization of the antenna are set to make the measurement.
- For each suspected emission the EUT was arranged to its worst case and then tune the antenna tower (from 1 M to 4 M) and turn table (from 0 degree to 360 degrees) to find the maximum reading.
- Set the test-receiver system to Peak or CISPR quasi-peak Detect Function and specified bandwidth with Maximum Hold Mode.
- If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method and reported.
- For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than AVG limit (that means the emission level in peak mode also complies with the limit in AVG mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in AVG mode again and reported.

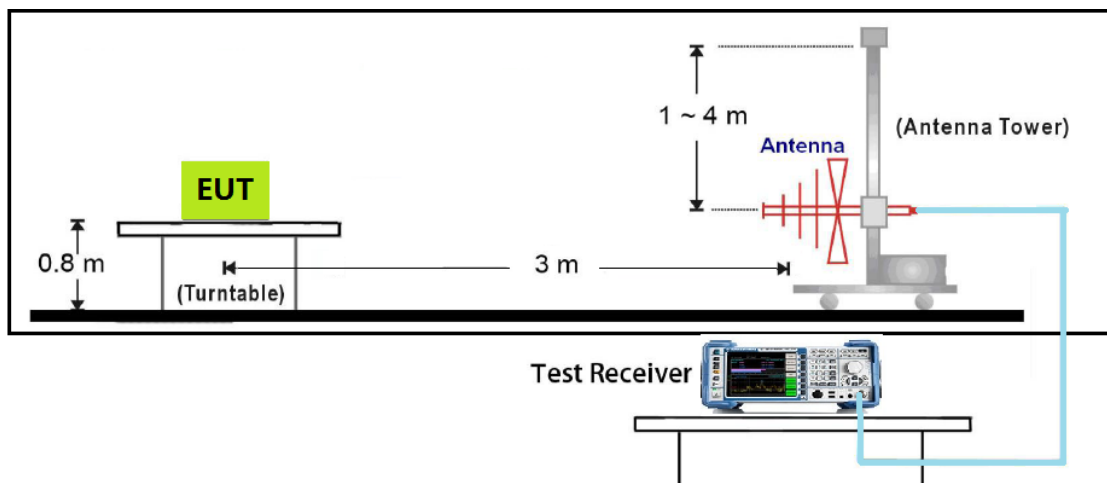


### 4.3 Typical Test Setup

9kHz~30MHz Test Setup

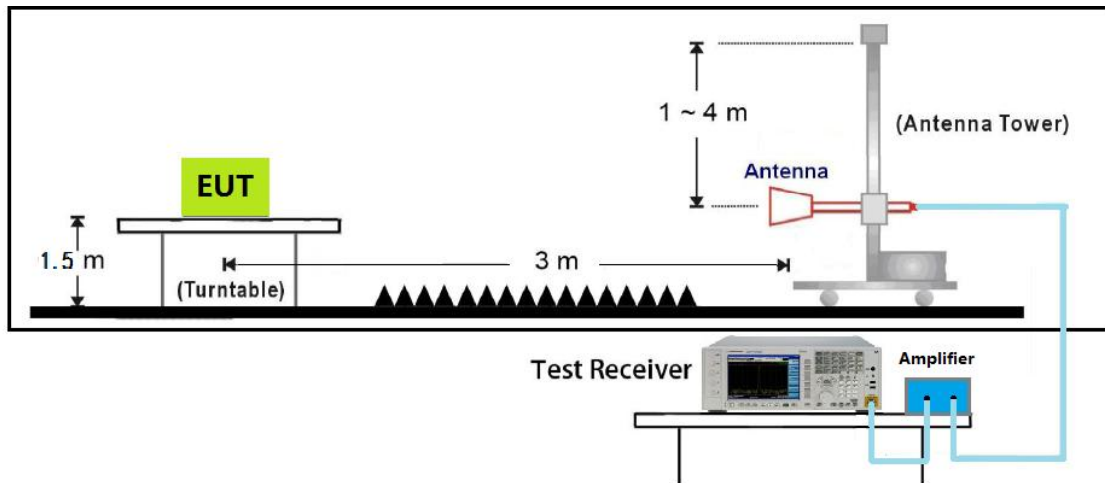


Below 1GHz Test Setup

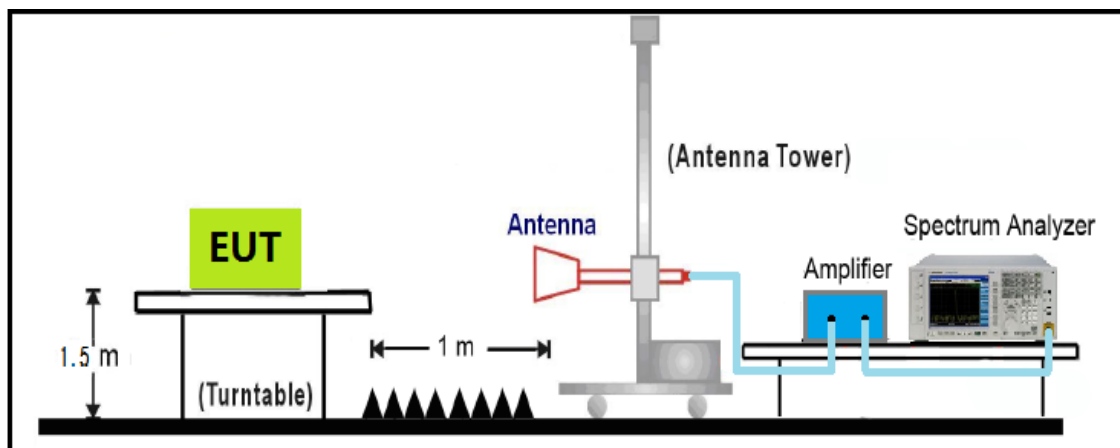




1GHz~18GHz Test Setup



18GHz~40GHz Test Setup





#### 4.4 Measurement Equipment

| Instrument/Ancillary        | Manufacturer | Model No. | Serial No. | Calibration Date | Valid Date. |
|-----------------------------|--------------|-----------|------------|------------------|-------------|
| EMI Test Receiver           | R&S          | ESCI      | 100563     | 2015.02.10       | 2016.02.09  |
| H64 Preamplifier            | HP           | 8447F     | 3113A05582 | 2015.03.24       | 2016.03.23  |
| Preamplifier                | Agilent      | 8449B     | 3008A02342 | 2015.03.24       | 2016.03.23  |
| Ultra Broadband Antenna     | R&S          | HL562     | 100362     | 2015.05.24       | 2016.05.23  |
| Broad-Band Horn Antenna     | Schwarzbeck  | BBHA9120D | 9120D-619  | 2015.05.24       | 2016.05.23  |
| Broad-Band Horn Antenna     | Schwarzbeck  | BBHA9170  | 9170-348   | 2015.05.24       | 2016.05.23  |
| Spectrum Analyzer           | R&S          | FSP40     | 100324     | 2015.03.23       | 2016.03.24  |
| Temperature/ Humidity Meter | Zhicheng     | ZC1-11    | CEP-TH-002 | 2015.03.31       | 2016.03.30  |

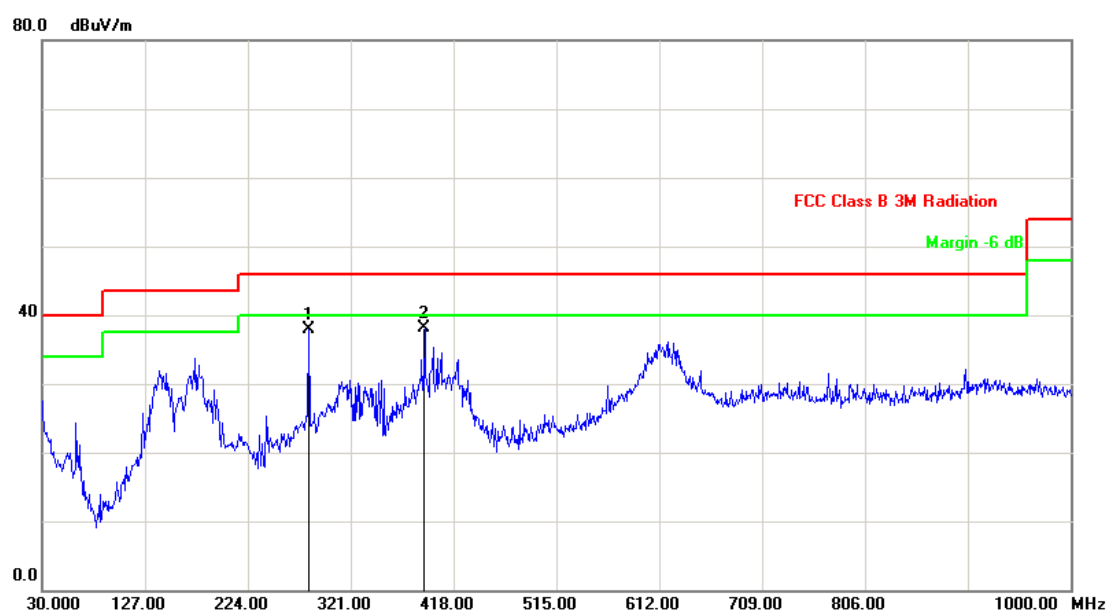


## 4.5 Test Result and Data

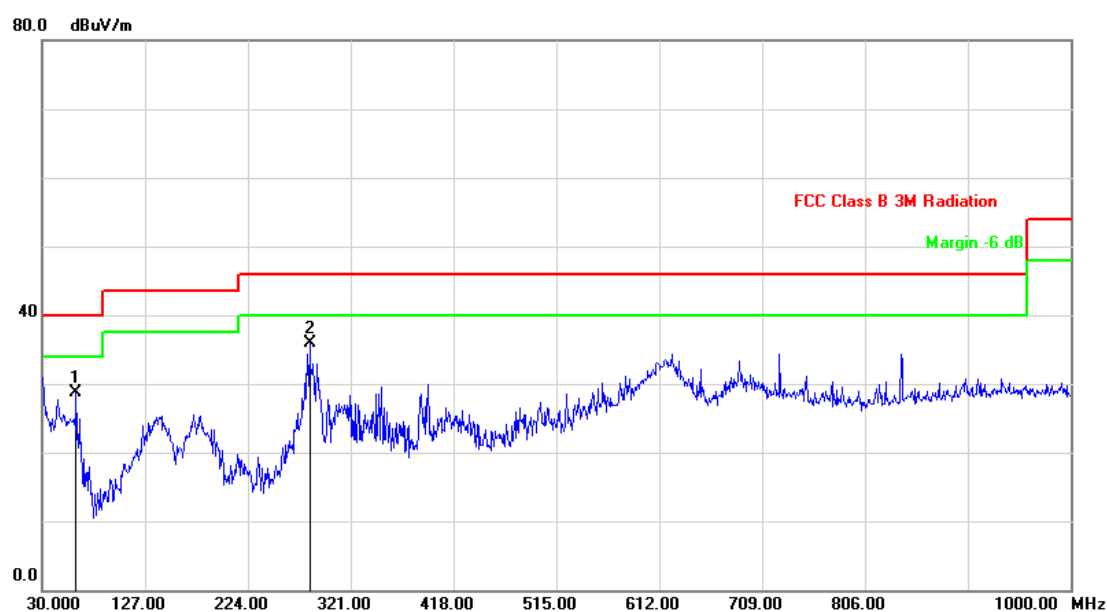
Under 1G:

|                                        |                                               |
|----------------------------------------|-----------------------------------------------|
| Engineer :Wind                         | Site : EMC Lab AC 102                         |
| Limit : FCC_CLASS_B_03M_QP             | Margin : 6                                    |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL                  |
| Power : AC 120V/60Hz                   | Note : Note : Transmit by 802.11b 2412(Ant 1) |

AntPol:H



AntPol:V





| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det. | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|
| 1   | 281.2300           | -11.37           | 49.36             | 37.99             | 46.00             | -8.01          | QP   | H              |
| 2   | 390.8399           | -8.15            | 46.17             | 38.02             | 46.00             | -7.98          | QP   | H              |
| 3   | 62.0100            | -14.83           | 43.51             | 28.68             | 40.00             | -11.32         | QP   | V              |
| 4   | 282.2000           | -11.33           | 47.21             | 35.88             | 46.00             | -10.12         | QP   | V              |

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor
3. The above picture is the worst case value



|                                        |                                               |
|----------------------------------------|-----------------------------------------------|
| Engineer :Wind                         | Site : EMC Lab AC 102                         |
| Limit : FCC_CLASS_B_03M_QP             | Margin : 6                                    |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL                  |
| Power : AC 120V/60Hz                   | Note : Note : Transmit by 802.11b 2462(Ant 1) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det. | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|
| 1   | 62.0100            | -14.83           | 35.29             | 20.46             | 40.00             | -19.54         | QP   | H              |
| 2   | 147.3700           | -9.58            | 38.72             | 29.14             | 43.50             | -14.36         | QP   | H              |
| 3   | 125.0600           | -11.13           | 37.26             | 26.13             | 43.50             | -17.37         | QP   | V              |
| 4   | 307.4200           | -9.90            | 35.53             | 25.63             | 46.00             | -20.37         | QP   | V              |

|                                        |                                               |
|----------------------------------------|-----------------------------------------------|
| Engineer :Wind                         | Site : EMC Lab AC 102                         |
| Limit : FCC_CLASS_B_03M_QP             | Margin : 6                                    |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL                  |
| Power : AC 120V/60Hz                   | Note : Note : Transmit by 802.11g 2412(Ant 1) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det. | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|
| 1   | 324.8800           | -8.55            | 41.20             | 32.65             | 46.00             | -13.35         | QP   | H              |
| 2   | 389.8700           | -8.22            | 47.72             | 39.50             | 46.00             | -6.50          | QP   | H              |
| 3   | 44.5500            | -9.85            | 34.40             | 24.55             | 40.00             | -15.45         | QP   | V              |
| 4   | 74.6200            | -16.57           | 38.62             | 22.05             | 40.00             | -17.95         | QP   | V              |

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor





|                                        |                                               |
|----------------------------------------|-----------------------------------------------|
| Engineer :Wind                         | Site : EMC Lab AC 102                         |
| Limit : FCC_CLASS_B_03M_QP             | Margin : 6                                    |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL                  |
| Power : AC 120V/60Hz                   | Note : Note : Transmit by 802.11g 2462(Ant 1) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det. | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|
| 1   | 502.3900           | -5.60            | 34.40             | 28.80             | 46.00             | -17.20         | QP   | H              |
| 2   | 607.1500           | -2.54            | 33.46             | 30.92             | 46.00             | -15.08         | QP   | H              |
| 3   | 617.8200           | -2.21            | 35.81             | 33.60             | 46.00             | -12.40         | QP   | V              |
| 4   | 696.3900           | 0.06             | 32.89             | 32.95             | 46.00             | -13.05         | QP   | V              |

|                                        |                                                 |
|----------------------------------------|-------------------------------------------------|
| Engineer :Wind                         | Site : EMC Lab AC 102                           |
| Limit : FCC_CLASS_B_03M_QP             | Margin : 6                                      |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL                    |
| Power : AC 120V/60Hz                   | Note : Note : Transmit by 802.11n20 2412(Ant 1) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det. | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|
| 1   | 169.6799           | -9.54            | 40.46             | 30.92             | 43.50             | -12.58         | QP   | H              |
| 2   | 282.2000           | -11.33           | 49.61             | 38.28             | 46.00             | -7.72          | QP   | H              |
| 3   | 417.0300           | -5.11            | 33.55             | 28.44             | 46.00             | -17.56         | QP   | V              |
| 4   | 563.5000           | -3.98            | 33.98             | 30.00             | 46.00             | -16.00         | QP   | V              |

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



|                                        |                                                 |
|----------------------------------------|-------------------------------------------------|
| Engineer :Wind                         | Site : EMC Lab AC 102                           |
| Limit : FCC_CLASS_B_03M_QP             | Margin : 6                                      |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL                    |
| Power : AC 120V/60Hz                   | Note : Note : Transmit by 802.11n20 2462(Ant 1) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det. | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|
| 1   | 735.1900           | 0.87             | 29.27             | 30.14             | 46.00             | -15.86         | QP   | H              |
| 2   | 839.9500           | 0.65             | 28.83             | 29.48             | 46.00             | -16.52         | QP   | H              |
| 3   | 774.9600           | -0.03            | 30.22             | 30.19             | 46.00             | -15.81         | QP   | V              |
| 4   | 910.7600           | 1.41             | 28.88             | 30.29             | 46.00             | -15.71         | QP   | V              |

|                                        |                                                 |
|----------------------------------------|-------------------------------------------------|
| Engineer :Wind                         | Site : EMC Lab AC 102                           |
| Limit : FCC_CLASS_B_03M_QP             | Margin : 6                                      |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL                    |
| Power : AC 120V/60Hz                   | Note : Note : Transmit by 802.11n40 2422(Ant 1) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det. | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|
| 1   | 139.6100           | -9.72            | 35.78             | 26.06             | 43.50             | -17.44         | QP   | H              |
| 2   | 179.3800           | -9.65            | 35.51             | 25.86             | 43.50             | -17.64         | QP   | H              |
| 3   | 179.3800           | -9.65            | 41.27             | 31.62             | 43.50             | -11.88         | QP   | V              |
| 4   | 281.2300           | -11.37           | 50.83             | 39.46             | 46.00             | -6.54          | QP   | V              |

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



|                                        |                                                 |
|----------------------------------------|-------------------------------------------------|
| Engineer :Wind                         | Site : EMC Lab AC 102                           |
| Limit : FCC_CLASS_B_03M_QP             | Margin : 6                                      |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL                    |
| Power : AC 120V/60Hz                   | Note : Note : Transmit by 802.11n20 2452(Ant 1) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det. | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|
| 1   | 541.1900           | -4.81            | 33.72             | 28.91             | 46.00             | -17.09         | QP   | H              |
| 2   | 610.0600           | -2.45            | 36.90             | 34.45             | 46.00             | -11.55         | QP   | H              |
| 3   | 703.1800           | 0.44             | 29.59             | 30.03             | 46.00             | -15.97         | QP   | V              |
| 4   | 765.2600           | 0.24             | 28.94             | 29.18             | 46.00             | -16.82         | QP   | V              |

|                                        |                                               |
|----------------------------------------|-----------------------------------------------|
| Engineer :Wind                         | Site : EMC Lab AC 102                         |
| Limit : FCC_CLASS_B_03M_QP             | Margin : 6                                    |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL                  |
| Power : AC 120V/60Hz                   | Note : Note : Transmit by 802.11b 2412(Ant 2) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det. | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|
| 1   | 388.9000           | -8.30            | 39.00             | 30.70             | 46.00             | -15.30         | QP   | H              |
| 2   | 417.0300           | -5.11            | 33.55             | 28.44             | 46.00             | -17.56         | QP   | H              |
| 3   | 491.7200           | -6.25            | 32.31             | 26.06             | 46.00             | -19.94         | QP   | V              |
| 4   | 602.3000           | -2.68            | 33.29             | 30.61             | 46.00             | -15.39         | QP   | V              |

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



|                                        |                                               |
|----------------------------------------|-----------------------------------------------|
| Engineer :Wind                         | Site : EMC Lab AC 102                         |
| Limit : FCC_CLASS_B_03M_QP             | Margin : 6                                    |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL                  |
| Power : AC 120V/60Hz                   | Note : Note : Transmit by 802.11b 2462(Ant 2) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det. | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|
| 1   | 277.3500           | -11.55           | 36.42             | 24.87             | 46.00             | -21.13         | QP   | H              |
| 2   | 311.3000           | -9.48            | 35.96             | 26.48             | 46.00             | -19.52         | QP   | H              |
| 3   | 324.8800           | -8.55            | 39.92             | 31.37             | 46.00             | -14.63         | QP   | V              |
| 4   | 392.7800           | -8.01            | 45.90             | 37.89             | 46.00             | -8.11          | QP   | V              |

|                                        |                                               |
|----------------------------------------|-----------------------------------------------|
| Engineer :Wind                         | Site : EMC Lab AC 102                         |
| Limit : FCC_CLASS_B_03M_QP             | Margin : 6                                    |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL                  |
| Power : AC 120V/60Hz                   | Note : Note : Transmit by 802.11g 2412(Ant 2) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det. | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|
| 1   | 650.8000           | -3.05            | 36.91             | 33.86             | 46.00             | -12.14         | QP   | H              |
| 2   | 774.9600           | -0.03            | 30.22             | 30.19             | 46.00             | -15.81         | QP   | H              |
| 3   | 62.0100            | -14.83           | 36.57             | 21.74             | 40.00             | -18.26         | QP   | V              |
| 4   | 147.3700           | -9.58            | 38.66             | 29.08             | 43.50             | -14.42         | QP   | V              |

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



|                                        |                                               |
|----------------------------------------|-----------------------------------------------|
| Engineer :Wind                         | Site : EMC Lab AC 102                         |
| Limit : FCC_CLASS_B_03M_QP             | Margin : 6                                    |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL                  |
| Power : AC 120V/60Hz                   | Note : Note : Transmit by 802.11g 2462(Ant 2) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det. | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|
| 1   | 398.6000           | -7.57            | 37.79             | 30.22             | 46.00             | -15.78         | QP   | H              |
| 2   | 480.0800           | -7.08            | 34.44             | 27.36             | 46.00             | -18.64         | QP   | H              |
| 3   | 491.7200           | -6.25            | 32.31             | 26.06             | 46.00             | -19.94         | QP   | V              |
| 4   | 619.7600           | -2.15            | 32.39             | 30.24             | 46.00             | -15.76         | QP   | V              |

|                                        |                                                 |
|----------------------------------------|-------------------------------------------------|
| Engineer :Wind                         | Site : EMC Lab AC 102                           |
| Limit : FCC_CLASS_B_03M_QP             | Margin : 6                                      |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL                    |
| Power : AC 120V/60Hz                   | Note : Note : Transmit by 802.11n20 2412(Ant 2) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det. | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|
| 1   | 281.2300           | -11.37           | 51.83             | 40.46             | 46.00             | -5.54          | QP   | H              |
| 2   | 307.4200           | -9.90            | 41.59             | 31.69             | 46.00             | -14.31         | QP   | H              |
| 3   | 675.0500           | -1.92            | 33.62             | 31.70             | 46.00             | -14.30         | QP   | V              |
| 4   | 688.6300           | -0.66            | 35.16             | 34.50             | 46.00             | -11.50         | QP   | V              |

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



|                                        |                                                 |
|----------------------------------------|-------------------------------------------------|
| Engineer :Wind                         | Site : EMC Lab AC 102                           |
| Limit : FCC_CLASS_B_03M_QP             | Margin : 6                                      |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL                    |
| Power : AC 120V/60Hz                   | Note : Note : Transmit by 802.11n20 2462(Ant 2) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det. | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|
| 1   | 703.1800           | 0.44             | 29.59             | 30.03             | 46.00             | -15.97         | QP   | H              |
| 2   | 774.9600           | -0.03            | 29.71             | 29.68             | 46.00             | -16.32         | QP   | H              |
| 3   | 134.7600           | -10.19           | 36.43             | 26.24             | 43.50             | -17.26         | QP   | V              |
| 4   | 179.3800           | -9.65            | 35.29             | 25.64             | 43.50             | -17.86         | QP   | V              |

|                                        |                                                 |
|----------------------------------------|-------------------------------------------------|
| Engineer :Wind                         | Site : EMC Lab AC 102                           |
| Limit : FCC_CLASS_B_03M_QP             | Margin : 6                                      |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL                    |
| Power : AC 120V/60Hz                   | Note : Note : Transmit by 802.11n40 2422(Ant 2) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det. | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|
| 1   | 125.0600           | -11.13           | 37.15             | 26.02             | 43.50             | -17.48         | QP   | H              |
| 2   | 179.3800           | -9.65            | 41.27             | 31.62             | 43.50             | -11.88         | QP   | H              |
| 3   | 792.4200           | -0.06            | 29.55             | 29.49             | 46.00             | -16.51         | QP   | V              |
| 4   | 911.7300           | 1.42             | 29.26             | 30.68             | 46.00             | -15.32         | QP   | V              |

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



|                                        |                                                 |
|----------------------------------------|-------------------------------------------------|
| Engineer :Wind                         | Site : EMC Lab AC 102                           |
| Limit : FCC_CLASS_B_03M_QP             | Margin : 6                                      |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL                    |
| Power : AC 120V/60Hz                   | Note : Note : Transmit by 802.11n40 2452(Ant 2) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det. | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|
| 1   | 392.7800           | -8.01            | 46.90             | 38.89             | 46.00             | -7.11          | QP   | H              |
| 2   | 839.9500           | 0.65             | 28.58             | 29.23             | 46.00             | -16.77         | QP   | H              |
| 3   | 310.3299           | -9.58            | 36.08             | 26.50             | 46.00             | -19.50         | QP   | V              |
| 4   | 597.4500           | -2.83            | 33.96             | 31.13             | 46.00             | -14.87         | QP   | V              |

|                                        |                                                   |
|----------------------------------------|---------------------------------------------------|
| Engineer :Wind                         | Site : EMC Lab AC 102                             |
| Limit : FCC_CLASS_B_03M_QP             | Margin : 6                                        |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL                      |
| Power : AC 120V/60Hz                   | Note : Note : Transmit by 802.11n20 2412(Ant 1+2) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det. | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|
| 1   | 612.9699           | -2.36            | 35.77             | 33.41             | 46.00             | -12.59         | QP   | H              |
| 2   | 688.6300           | -0.66            | 35.16             | 34.50             | 46.00             | -11.50         | QP   | H              |
| 3   | 569.3200           | -3.77            | 30.08             | 26.31             | 46.00             | -19.69         | QP   | V              |
| 4   | 604.2400           | -2.62            | 33.27             | 30.65             | 46.00             | -15.35         | QP   | V              |



|                                        |                                                   |
|----------------------------------------|---------------------------------------------------|
| Engineer :Wind                         | Site : EMC Lab AC 102                             |
| Limit : FCC_CLASS_B_03M_QP             | Margin : 6                                        |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL                      |
| Power : AC 120V/60Hz                   | Note : Note : Transmit by 802.11n20 2462(Ant 1+2) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det. | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|
| 1   | 185.2000           | -10.92           | 35.19             | 24.27             | 43.50             | -19.23         | QP   | H              |
| 2   | 310.3299           | -9.58            | 36.08             | 26.50             | 46.00             | -19.50         | QP   | H              |
| 3   | 283.1700           | -11.30           | 49.63             | 38.33             | 46.00             | -7.67          | QP   | V              |
| 4   | 324.8800           | -8.55            | 39.31             | 30.76             | 46.00             | -15.24         | QP   | V              |

|                                        |                                                   |
|----------------------------------------|---------------------------------------------------|
| Engineer :Wind                         | Site : EMC Lab AC 102                             |
| Limit : FCC_CLASS_B_03M_QP             | Margin : 6                                        |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL                      |
| Power : AC 120V/60Hz                   | Note : Note : Transmit by 802.11n40 2422(Ant 1+2) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det. | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|
| 1   | 398.6000           | -7.57            | 37.79             | 30.22             | 46.00             | -15.78         | QP   | H              |
| 2   | 500.4500           | -5.64            | 35.86             | 30.22             | 46.00             | -15.78         | QP   | H              |
| 3   | 147.3700           | -9.58            | 38.89             | 29.31             | 43.50             | -14.19         | QP   | V              |
| 4   | 190.0500           | -12.10           | 42.74             | 30.64             | 43.50             | -12.86         | QP   | V              |

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor





|                                        |                                                   |
|----------------------------------------|---------------------------------------------------|
| Engineer :Wind                         | Site : EMC Lab AC 102                             |
| Limit : FCC_CLASS_B_03M_QP             | Margin : 6                                        |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL                      |
| Power : AC 120V/60Hz                   | Note : Note : Transmit by 802.11n20 2452(Ant 1+2) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det. | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|
| 1   | 44.5500            | -9.85            | 37.39             | 27.54             | 40.00             | -12.46         | QP   | H              |
| 2   | 125.0600           | -11.13           | 36.29             | 25.16             | 43.50             | -18.34         | QP   | H              |
| 3   | 385.9900           | -8.51            | 45.87             | 37.36             | 46.00             | -8.64          | QP   | V              |
| 4   | 421.8800           | -4.88            | 36.30             | 31.42             | 46.00             | -14.58         | QP   | V              |

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



## Above 1G:

|                                        |                                        |
|----------------------------------------|----------------------------------------|
| Engineer : Wind                        | Site : EMC Lab AC 102                  |
| Limit : FCC_15_03M_PK                  | Margin : 6                             |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL           |
| Power : AC 120V/60Hz                   | Note : Transmit by 802.11b 2412(Ant 1) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det. | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|
| 1   | 1374.000           | -10.67           | 53.74             | 43.07             | 74.00             | -30.93         | peak | H              |
| 2   | 3873.000           | -5.98            | 51.90             | 45.92             | 74.00             | -28.08         | peak | H              |
| 3   | 2088.000           | -7.77            | 49.17             | 41.40             | 74.00             | -32.60         | peak | V              |
| 4   | 5947.000           | -0.99            | 50.29             | 49.30             | 74.00             | -24.70         | peak | V              |

|                                        |                                        |
|----------------------------------------|----------------------------------------|
| Engineer : Wind                        | Site : EMC Lab AC 102                  |
| Limit : FCC_15_03M_PK                  | Margin : 6                             |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL           |
| Power : AC 120V/60Hz                   | Note : Transmit by 802.11b 2437(Ant 1) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det. | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|
| 1   | 1085.000           | -10.98           | 49.96             | 38.98             | 74.00             | -35.02         | peak | H              |
| 2   | 4774.000           | -2.71            | 50.28             | 47.57             | 74.00             | -26.43         | peak | H              |
| 3   | 3006.000           | -6.79            | 50.26             | 43.47             | 74.00             | -30.53         | peak | V              |
| 4   | 8123.000           | 1.70             | 52.16             | 53.86             | 74.00             | -20.14         | peak | V              |

## Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



|                                        |                                        |
|----------------------------------------|----------------------------------------|
| Engineer : Wind                        | Site : EMC Lab AC 102                  |
| Limit : FCC_15_03M_PK                  | Margin : 6                             |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL           |
| Power : AC 120V/60Hz                   | Note : Transmit by 802.11b 2462(Ant 1) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det. | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|
| 1   | 1238.000           | -17.55           | 54.04             | 36.49             | 74.00             | -37.51         | peak | H              |
| 2   | 4043.000           | 1.73             | 45.89             | 47.62             | 74.00             | -26.38         | peak | H              |
| 3   | 2241.000           | -6.08            | 49.82             | 43.74             | 74.00             | -30.26         | peak | V              |
| 4   | 5590.000           | 9.11             | 40.11             | 49.22             | 74.00             | -24.78         | peak | V              |

|                                        |                                        |
|----------------------------------------|----------------------------------------|
| Engineer : Wind                        | Site : EMC Lab AC 102                  |
| Limit : FCC_15_03M_PK                  | Margin : 6                             |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL           |
| Power : AC 120V/60Hz                   | Note : Transmit by 802.11g 2412(Ant 1) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det. | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|
| 1   | 3142.000           | -3.24            | 48.70             | 45.46             | 74.00             | -28.54         | peak | H              |
| 2   | 6661.000           | 13.92            | 37.18             | 51.10             | 74.00             | -22.90         | peak | H              |
| 3   | 4757.000           | 5.68             | 43.70             | 49.38             | 74.00             | -24.62         | peak | V              |
| 4   | 7953.000           | 20.04            | 30.34             | 50.38             | 74.00             | -23.62         | peak | V              |

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



|                                        |                                        |
|----------------------------------------|----------------------------------------|
| Engineer : Wind                        | Site : EMC Lab AC 102                  |
| Limit : FCC_15_03M_PK                  | Margin : 6                             |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL           |
| Power : AC 120V/60Hz                   | Note : Transmit by 802.11g 2437(Ant 1) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det. | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|
| 1   | 1374.000           | -10.67           | 56.24             | 45.57             | 74.00             | -28.43         | peak | H              |
| 2   | 5947.000           | -0.99            | 51.79             | 50.80             | 74.00             | -23.20         | peak | H              |
| 3   | 3703.000           | -6.03            | 54.66             | 48.63             | 74.00             | -25.37         | peak | V              |
| 4   | 8123.000           | 1.70             | 50.66             | 52.36             | 74.00             | -21.64         | peak | V              |

|                                        |                                        |
|----------------------------------------|----------------------------------------|
| Engineer : Wind                        | Site : EMC Lab AC 102                  |
| Limit : FCC_15_03M_PK                  | Margin : 6                             |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL           |
| Power : AC 120V/60Hz                   | Note : Transmit by 802.11g 2462(Ant 1) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det. | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|
| 1   | 2700.000           | -6.98            | 53.41             | 46.43             | 74.00             | -27.57         | peak | H              |
| 2   | 7103.000           | -1.32            | 51.11             | 49.79             | 74.00             | -24.21         | peak | H              |
| 3   | 4825.000           | -2.69            | 53.22             | 50.53             | 74.00             | -23.47         | peak | V              |
| 4   | 9041.000           | 1.27             | 48.47             | 49.74             | 74.00             | -24.26         | peak | V              |

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



|                                        |                                          |
|----------------------------------------|------------------------------------------|
| Engineer : Wind                        | Site : EMC Lab AC 102                    |
| Limit : FCC_15_03M_PK                  | Margin : 6                               |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL             |
| Power : AC 120V/60Hz                   | Note : Transmit by 802.11n20 2412(Ant 1) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det. | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|
| 1   | 1374.000           | -16.74           | 62.79             | 46.05             | 74.00             | -27.95         | peak | H              |
| 2   | 6661.000           | 13.92            | 39.18             | 53.10             | 74.00             | -20.90         | peak | H              |
| 3   | 3346.000           | -2.22            | 49.07             | 46.85             | 74.00             | -27.15         | peak | V              |
| 4   | 9398.000           | 3.26             | 48.55             | 51.81             | 74.00             | -22.19         | peak | V              |

|                                        |                                          |
|----------------------------------------|------------------------------------------|
| Engineer : Wind                        | Site : EMC Lab AC 102                    |
| Limit : FCC_15_03M_PK                  | Margin : 6                               |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL             |
| Power : AC 120V/60Hz                   | Note : Transmit by 802.11n20 2437(Ant 1) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det. | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|
| 1   | 1085.000           | -18.55           | 54.59             | 36.04             | 74.00             | -37.96         | peak | H              |
| 2   | 4774.000           | 5.81             | 45.58             | 51.39             | 74.00             | -22.61         | peak | H              |
| 3   | 8123.000           | 21.19            | 31.84             | 53.03             | 74.00             | -20.97         | peak | V              |
| 4   | 2054.000           | -7.91            | 52.64             | 44.73             | 74.00             | -29.27         | peak | V              |

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



|                                        |                                          |
|----------------------------------------|------------------------------------------|
| Engineer : Wind                        | Site : EMC Lab AC 102                    |
| Limit : FCC_15_03M_PK                  | Margin : 6                               |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL             |
| Power : AC 120V/60Hz                   | Note : Transmit by 802.11n20 2462(Ant 1) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det. | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|
| 1   | 2700.000           | -6.98            | 55.91             | 48.93             | 74.00             | -25.07         | peak | H              |
| 2   | 5403.000           | -2.21            | 52.82             | 50.61             | 74.00             | -23.39         | peak | H              |
| 3   | 1493.000           | -10.80           | 55.25             | 44.45             | 74.00             | -29.55         | peak | V              |
| 4   | 9755.000           | 4.34             | 47.40             | 51.74             | 74.00             | -22.26         | peak | V              |

|                                        |                                          |
|----------------------------------------|------------------------------------------|
| Engineer : Wind                        | Site : EMC Lab AC 102                    |
| Limit : FCC_15_03M_PK                  | Margin : 6                               |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL             |
| Power : AC 120V/60Hz                   | Note : Transmit by 802.11n40 2422(Ant 1) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det. | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|
| 1   | 1221.000           | -10.81           | 51.58             | 40.77             | 74.00             | -33.23         | peak | H              |
| 2   | 1986.000           | -8.00            | 53.86             | 45.86             | 74.00             | -28.14         | peak | H              |
| 3   | 3873.000           | -5.98            | 54.90             | 48.92             | 74.00             | -25.08         | peak | V              |
| 4   | 7477.000           | -0.50            | 52.53             | 52.03             | 74.00             | -21.97         | peak | V              |

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



|                                        |                                          |
|----------------------------------------|------------------------------------------|
| Engineer : Wind                        | Site : EMC Lab AC 102                    |
| Limit : FCC_15_03M_PK                  | Margin : 6                               |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL             |
| Power : AC 120V/60Hz                   | Note : Transmit by 802.11n40 2437(Ant 1) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det. | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|
| 1   | 1374.000           | -16.74           | 61.79             | 45.05             | 74.00             | -28.95         | peak | H              |
| 2   | 5301.000           | 7.80             | 45.76             | 53.56             | 74.00             | -20.44         | peak | H              |
| 3   | 3346.000           | -2.22            | 50.57             | 48.35             | 74.00             | -25.65         | peak | V              |
| 4   | 7409.000           | 16.79            | 36.89             | 53.68             | 74.00             | -20.32         | peak | V              |

|                                        |                                          |
|----------------------------------------|------------------------------------------|
| Engineer : Wind                        | Site : EMC Lab AC 102                    |
| Limit : FCC_15_03M_PK                  | Margin : 6                               |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL             |
| Power : AC 120V/60Hz                   | Note : Transmit by 802.11n40 2452(Ant 1) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det.    | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|---------|----------------|
| 1   | 6287.000           | 12.59            | 41.58             | 54.17             | 74.00             | -19.83         | peak    | H              |
|     | 6286.320           | 12.59            | 28.33             | 40.92             | 54.00             | -13.08         | average | H              |
| 2   | 8378.000           | 23.48            | 30.62             | 54.10             | 74.00             | -19.90         | peak    | H              |
|     | 8378.000           | 23.48            | 17.64             | 41.12             | 54.00             | -12.88         | average | H              |
| 3   | 2054.000           | -7.91            | 53.64             | 45.73             | 74.00             | -28.27         | peak    | V              |
| 4   | 6661.000           | 13.92            | 39.68             | 53.60             | 74.00             | -20.40         | peak    | V              |

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



|                                        |                                        |
|----------------------------------------|----------------------------------------|
| Engineer : Wind                        | Site : EMC Lab AC 102                  |
| Limit : FCC_15_03M_PK                  | Margin : 6                             |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL           |
| Power : AC 120V/60Hz                   | Note : Transmit by 802.11b 2412(Ant 2) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det.    | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|---------|----------------|
| 1   | 4828.000           | 0.64             | 54.95             | 55.59             | 74.00             | -18.41         | peak    | H              |
|     | 4826.170           | 0.64             | 41.54             | 42.18             | 54.00             | -11.82         | average | H              |
| 2   | 4993.000           | 0.95             | 52.95             | 53.90             | 74.00             | -20.10         | peak    | H              |
| 3   | 3552.000           | -1.24            | 60.32             | 59.08             | 74.00             | -14.92         | peak    | V              |
|     | 3552.140           | -1.24            | 47.68             | 46.44             | 54.00             | -7.56          | average | V              |
| 4   | 4828.000           | 0.64             | 62.39             | 63.03             | 74.00             | -10.97         | peak    | V              |
|     | 4828.000           | 0.64             | 50.35             | 50.99             | 54.00             | -3.01          | average | V              |

|                                        |                                        |
|----------------------------------------|----------------------------------------|
| Engineer : Wind                        | Site : EMC Lab AC 102                  |
| Limit : FCC_15_03M_PK                  | Margin : 6                             |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL           |
| Power : AC 120V/60Hz                   | Note : Transmit by 802.11b 2437(Ant 2) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det.    | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|---------|----------------|
| 1   | 4872.000           | 0.72             | 61.51             | 62.23             | 74.00             | -11.77         | peak    | H              |
|     | 4872.110           | 0.72             | 48.43             | 49.15             | 54.00             | -4.85          | average | H              |
| 2   | 7215.000           | 7.07             | 47.13             | 54.20             | 74.00             | -19.80         | peak    | H              |
|     | 7214.870           | 7.07             | 33.26             | 40.33             | 54.00             | -13.67         | average | H              |
| 3   | 4872.000           | 0.72             | 52.95             | 53.67             | 74.00             | -20.33         | peak    | V              |
| 4   | 8700.000           | 8.62             | 46.70             | 55.32             | 74.00             | -18.68         | peak    | V              |
|     | 8701.010           | 8.62             | 33.17             | 41.79             | 54.00             | -12.21         | average | V              |

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor





|                                        |                                        |
|----------------------------------------|----------------------------------------|
| Engineer : Wind                        | Site : EMC Lab AC 102                  |
| Limit : FCC_15_03M_PK                  | Margin : 6                             |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL           |
| Power : AC 120V/60Hz                   | Note : Transmit by 802.11b 2462(Ant 2) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det.    | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|---------|----------------|
| 1   | 4927.000           | 0.83             | 59.27             | 60.10             | 74.00             | -13.90         | peak    | H              |
|     | 4927.000           | 0.83             | 46.53             | 47.36             | 54.00             | -6.64          | average | H              |
| 2   | 8029.000           | 8.12             | 46.59             | 54.71             | 74.00             | -19.29         | peak    | H              |
|     | 8029.000           | 8.12             | 32.15             | 40.27             | 54.00             | -13.73         | average | H              |
| 3   | 4927.000           | 0.83             | 53.50             | 54.33             | 74.00             | -19.67         | peak    | V              |
|     | 4927.000           | 0.83             | 41.31             | 42.14             | 54.00             | -11.86         | average | V              |
| 4   | 7589.000           | 7.98             | 46.84             | 54.82             | 74.00             | -19.18         | peak    | V              |
|     | 7589.000           | 7.98             | 33.54             | 41.52             | 54.00             | -12.48         | average | V              |

|                                        |                                         |
|----------------------------------------|-----------------------------------------|
| Engineer : Wind                        | Site : EMC Lab AC 102                   |
| Limit : FCC_15_03M_PK                  | Margin : 6                              |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL            |
| Power : AC 120V/60Hz                   | Note : Transmit by 802.11g 2412 (Ant 2) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det.    | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|---------|----------------|
| 1   | 4828.000           | 0.64             | 59.09             | 59.73             | 74.00             | -14.27         | peak    | H              |
|     | 4827.680           | 0.64             | 47.36             | 48.00             | 54.00             | -6.00          | average | H              |
| 2   | 7358.000           | 7.51             | 46.59             | 54.10             | 74.00             | -19.90         | peak    | H              |
|     | 7358.010           | 7.51             | 35.32             | 42.83             | 54.00             | -11.17         | average | H              |
| 3   | 4993.000           | 0.95             | 52.16             | 53.11             | 74.00             | -20.89         | peak    | V              |
| 4   | 7765.000           | 8.03             | 47.09             | 55.12             | 74.00             | -18.88         | peak    | V              |
|     | 7764.330           | 8.03             | 34.63             | 42.66             | 54.00             | -11.34         | average | V              |

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.



2. Measurement Level = Reading Level + Correct Factor

|                                        |                                        |
|----------------------------------------|----------------------------------------|
| Engineer : Wind                        | Site : EMC Lab AC 102                  |
| Limit : FCC_15_03M_PK                  | Margin : 6                             |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL           |
| Power : AC 120V/60Hz                   | Note : Transmit by 802.11g 2437(Ant 2) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det.    | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|---------|----------------|
| 1   | 4872.000           | 0.72             | 61.04             | 61.76             | 74.00             | -12.24         | peak    | H              |
|     | 4871.980           | 0.72             | 46.53             | 47.25             | 54.00             | -6.75          | average | H              |
| 2   | 8535.000           | 8.48             | 47.37             | 55.85             | 74.00             | -18.15         | peak    | H              |
|     | 8534.520           | 8.48             | 35.36             | 43.84             | 54.00             | -10.16         | average | H              |
| 3   | 4993.000           | 0.95             | 52.16             | 53.11             | 74.00             | -20.89         | peak    | V              |
| 4   | 7479.000           | 7.89             | 46.08             | 53.97             | 74.00             | -20.03         | peak    | V              |

|                                        |                                        |
|----------------------------------------|----------------------------------------|
| Engineer : Wind                        | Site : EMC Lab AC 102                  |
| Limit : FCC_15_03M_PK                  | Margin : 6                             |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL           |
| Power : AC 120V/60Hz                   | Note : Transmit by 802.11g 2462(Ant 2) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det.    | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|---------|----------------|
| 1   | 4916.000           | 0.81             | 57.78             | 58.59             | 74.00             | -15.41         | peak    | H              |
|     | 4916.010           | 0.81             | 46.35             | 47.16             | 54.00             | -6.84          | average | H              |
| 2   | 7292.000           | 7.31             | 46.47             | 53.78             | 74.00             | -20.22         | peak    | H              |
| 3   | 4993.000           | 0.95             | 51.54             | 52.49             | 74.00             | -21.51         | peak    | V              |
| 4   | 7567.260           | 7.98             | 46.74             | 54.72             | 74.00             | -19.28         | peak    | V              |
|     | 7567.000           | 7.98             | 34.53             | 42.51             | 54.00             | -11.49         | average | V              |

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



|                                        |                                          |
|----------------------------------------|------------------------------------------|
| Engineer : Wind                        | Site : EMC Lab AC 102                    |
| Limit : FCC_15_03M_PK                  | Margin : 6                               |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL             |
| Power : AC 120V/60Hz                   | Note : Transmit by 802.11n20 2412(Ant 2) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det. | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|
| 1   | 2445.000           | -7.34            | 51.03             | 43.69             | 74.00             | -30.31         | peak | H              |
| 2   | 6627.000           | -1.10            | 53.26             | 52.16             | 74.00             | -21.84         | peak | H              |
| 3   | 1374.000           | -10.67           | 52.74             | 42.07             | 74.00             | -31.93         | peak | V              |
| 4   | 9517.000           | 4.03             | 49.70             | 53.73             | 74.00             | -20.27         | peak | V              |

|                                        |                                          |
|----------------------------------------|------------------------------------------|
| Engineer : Wind                        | Site : EMC Lab AC 102                    |
| Limit : FCC_15_03M_PK                  | Margin : 6                               |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL             |
| Power : AC 120V/60Hz                   | Note : Transmit by 802.11n20 2437(Ant 2) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det. | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|
| 1   | 3703.000           | -6.03            | 54.16             | 48.13             | 74.00             | -25.87         | peak | H              |
| 2   | 5063.000           | -2.31            | 52.66             | 50.35             | 74.00             | -23.65         | peak | H              |
| 3   | 8225.000           | 1.99             | 49.42             | 51.41             | 74.00             | -22.59         | peak | V              |
| 4   | 10809.000          | 5.01             | 45.93             | 50.94             | 74.00             | -23.06         | peak | V              |

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



|                                        |                                          |
|----------------------------------------|------------------------------------------|
| Engineer : Wind                        | Site : EMC Lab AC 102                    |
| Limit : FCC_15_03M_PK                  | Margin : 6                               |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL             |
| Power : AC 120V/60Hz                   | Note : Transmit by 802.11n20 2462(Ant 2) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det. | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|
| 1   | 1374.000           | -16.74           | 60.29             | 43.55             | 74.00             | -30.45         | peak | H              |
| 2   | 4774.000           | 5.81             | 44.08             | 49.89             | 74.00             | -24.11         | peak | H              |
| 3   | 6083.000           | 11.93            | 40.05             | 51.98             | 74.00             | -22.02         | peak | V              |
| 4   | 7086.000           | 15.25            | 36.83             | 52.08             | 74.00             | -21.92         | peak | V              |

|                                        |                                          |
|----------------------------------------|------------------------------------------|
| Engineer : Wind                        | Site : EMC Lab AC 102                    |
| Limit : FCC_15_03M_PK                  | Margin : 6                               |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL             |
| Power : AC 120V/60Hz                   | Note : Transmit by 802.11n40 2422(Ant 2) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det.    | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|---------|----------------|
| 1   | 2547.000           | -3.80            | 47.82             | 44.02             | 74.00             | -29.98         | peak    | H              |
| 2   | 3686.000           | -0.02            | 47.21             | 47.19             | 74.00             | -26.81         | peak    | H              |
| 3   | 8378.000           | 23.48            | 31.12             | 54.60             | 74.00             | -19.40         | peak    | V              |
|     | 8377.530           | 23.48            | 18.87             | 23.48             | 18.87             | 42.35          | average | V              |
| 4   | 9381.000           | 3.28             | 51.56             | 54.84             | 74.00             | -19.16         | peak    | V              |
|     | 9381.240           | 3.28             | 37.69             | 40.97             | 54.00             | -13.03         | average | V              |

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



|                                        |                                          |
|----------------------------------------|------------------------------------------|
| Engineer : Wind                        | Site : EMC Lab AC 102                    |
| Limit : FCC_15_03M_PK                  | Margin : 6                               |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL             |
| Power : AC 120V/60Hz                   | Note : Transmit by 802.11n40 2437(Ant 2) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det.    | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|---------|----------------|
| 1   | 4196.000           | 2.20             | 48.00             | 50.20             | 74.00             | -23.80         | peak    | H              |
| 2   | 7579.000           | 17.27            | 37.86             | 55.13             | 74.00             | -18.87         | peak    | H              |
|     | 7578.240           | 17.27            | 24.68             | 41.95             | 54.00             | -12.05         | average | H              |
| 3   | 4655.000           | 4.51             | 48.36             | 52.87             | 74.00             | -21.13         | peak    | V              |
| 4   | 7715.000           | 18.65            | 36.52             | 55.17             | 74.00             | -18.83         | peak    | V              |
|     | 7714.530           | 18.65            | 25.53             | 44.18             | 54.00             | -9.82          | average | V              |

|                                        |                                          |
|----------------------------------------|------------------------------------------|
| Engineer : Wind                        | Site : EMC Lab AC 102                    |
| Limit : FCC_15_03M_PK                  | Margin : 6                               |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL             |
| Power : AC 120V/60Hz                   | Note : Transmit by 802.11n40 2452(Ant 2) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det.    | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|---------|----------------|
| 1   | 1085.000           | -10.98           | 48.77             | 37.79             | 74.00             | -36.21         | peak    | H              |
| 2   | 3873.000           | -5.98            | 50.69             | 44.71             | 74.00             | -29.29         | peak    | H              |
| 3   | 5301.000           | 7.8              | 46.84             | 54.64             | 74.00             | -19.36         | peak    | V              |
|     | 5301.110           | 7.8              | 34.42             | 42.22             | 54.00             | -11.78         | average | V              |
| 4   | 7953.000           | 20.04            | 31.23             | 51.27             | 74.00             | -22.73         | peak    | V              |

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



|                                        |                                            |
|----------------------------------------|--------------------------------------------|
| Engineer : Wind                        | Site : EMC Lab AC 102                      |
| Limit : FCC_15_03M_PK                  | Margin : 6                                 |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL               |
| Power : AC 120V/60Hz                   | Note : Transmit by 802.11n20 2412(Ant 1+2) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det.    | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|---------|----------------|
| 1   | 4817.000           | 0.62             | 55.43             | 56.05             | 74.00             | -17.95         | peak    | H              |
|     | 4816.420           | 0.62             | 43.57             | 44.19             | 54.00             | -9.81          | average | H              |
| 2   | 7578.000           | 7.98             | 46.23             | 54.21             | 74.00             | -19.79         | peak    | H              |
|     | 7578.012           | 7.98             | 35.77             | 43.75             | 54.00             | -10.25         | average | H              |
| 3   | 4982.000           | 0.93             | 52.17             | 53.10             | 74.00             | -20.90         | peak    | V              |
| 4   | 8458.330           | 8.42             | 46.76             | 55.18             | 74.00             | -18.82         | peak    | V              |
|     | 8458.000           | 8.42             | 34.68             | 43.10             | 54.00             | -10.90         | average | V              |

|                                        |                                            |
|----------------------------------------|--------------------------------------------|
| Engineer : Wind                        | Site : EMC Lab AC 102                      |
| Limit : FCC_15_03M_PK                  | Margin : 6                                 |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL               |
| Power : AC 120V/60Hz                   | Note : Transmit by 802.11n20 2437(Ant 1+2) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det.    | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|---------|----------------|
| 1   | 4872.000           | 0.72             | 56.78             | 57.50             | 74.00             | -16.50         | peak    | H              |
|     | 4871.870           | 0.72             | 45.63             | 46.35             | 54.00             | -7.65          | average | H              |
| 2   | 9833.000           | 10.41            | 46.80             | 57.21             | 74.00             | -16.79         | peak    | H              |
|     | 9833.150           | 10.41            | 35.36             | 45.77             | 54.00             | -8.23          | average | H              |
| 3   | 4993.000           | 0.95             | 52.37             | 53.32             | 74.00             | -20.68         | peak    | V              |
| 4   | 7457.000           | 7.82             | 47.47             | 55.29             | 74.00             | -18.71         | peak    | V              |
|     | 7458.010           | 7.82             | 36.31             | 44.13             | 54.00             | -9.87          | average | V              |

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



|                                        |                                            |
|----------------------------------------|--------------------------------------------|
| Engineer : Wind                        | Site : EMC Lab AC 102                      |
| Limit : FCC_15_03M_PK                  | Margin : 6                                 |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL               |
| Power : AC 120V/60Hz                   | Note : Transmit by 802.11n20 2462(Ant 1+2) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det.    | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|---------|----------------|
| 1   | 4916.000           | 0.81             | 54.68             | 55.49             | 74.00             | -18.51         | peak    | H              |
|     | 4915.980           | 0.81             | 42.14             | 42.95             | 54.00             | -11.05         | average | H              |
| 2   | 7435.000           | 7.76             | 46.94             | 54.70             | 74.00             | -19.30         | peak    | H              |
|     | 7435.130           | 7.76             | 34.53             | 42.29             | 54.00             | -11.71         | average | H              |
| 3   | 4982.000           | 0.93             | 52.52             | 53.45             | 74.00             | -20.55         | peak    | V              |
| 4   | 7578.000           | 7.98             | 46.74             | 54.72             | 74.00             | -19.28         | peak    | V              |
|     | 7578.220           | 7.98             | 35.12             | 43.10             | 54.00             | -10.90         | average | V              |

|                                        |                                            |
|----------------------------------------|--------------------------------------------|
| Engineer : Wind                        | Site : EMC Lab AC 102                      |
| Limit : FCC_15_03M_PK                  | Margin : 6                                 |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL               |
| Power : AC 120V/60Hz                   | Note : Transmit by 802.11n40 2422(Ant 1+2) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det.    | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|---------|----------------|
| 1   | 4839.000           | 0.66             | 55.25             | 55.91             | 74.00             | -18.09         | peak    | H              |
|     | 4839.120           | 0.66             | 43.36             | 44.02             | 54.00             | -9.98          | average | H              |
| 2   | 8799.000           | 8.70             | 46.80             | 55.50             | 74.00             | -18.50         | peak    | H              |
|     | 8799.230           | 8.70             | 34.27             | 42.97             | 54.00             | -11.03         | average | H              |
| 3   | 4982.000           | 0.93             | 52.23             | 53.16             | 74.00             | -20.84         | peak    | V              |
| 4   | 7930.000           | 8.08             | 46.55             | 54.63             | 74.00             | -19.37         | peak    | V              |
|     | 7930.100           | 8.08             | 34.55             | 42.63             | 54.00             | -11.37         | average | V              |

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



|                                        |                                            |
|----------------------------------------|--------------------------------------------|
| Engineer : Wind                        | Site : EMC Lab AC 102                      |
| Limit : FCC_15_03M_PK                  | Margin : 6                                 |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL               |
| Power : AC 120V/60Hz                   | Note : Transmit by 802.11n40 2437(Ant 1+2) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det.    | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|---------|----------------|
| 1   | 4872.000           | 0.72             | 52.89             | 53.61             | 74.00             | -20.39         | peak    | H              |
| 2   | 6258.000           | 4.57             | 47.28             | 51.85             | 74.00             | -22.15         | peak    | H              |
| 3   | 4993.000           | 0.95             | 52.54             | 53.49             | 74.00             | -20.51         | peak    | V              |
| 4   | 7633.000           | 8.00             | 46.38             | 54.38             | 74.00             | -19.62         | peak    | V              |
|     | 7633.130           | 8.00             | 34.31             | 42.31             | 54.00             | -11.69         | average | V              |

|                                        |                                            |
|----------------------------------------|--------------------------------------------|
| Engineer : Wind                        | Site : EMC Lab AC 102                      |
| Limit : FCC_15_03M_PK                  | Margin : 6                                 |
| EUT : Wireless N VDSL2 4-ports Gateway | Probe : VERTICAL/ HORIZONTAL               |
| Power : AC 120V/60Hz                   | Note : Transmit by 802.11n40 2452(Ant 1+2) |

| No. | Frequency<br>(MHz) | Factor<br>(dB/m) | Reading<br>(dBuV) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Det.    | AntPol.<br>H/V |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|---------|----------------|
| 1   | 4223.000           | 0.28             | 50.63             | 50.91             | 74.00             | -23.09         | peak    | H              |
| 2   | 4905.000           | 0.79             | 53.48             | 54.27             | 74.00             | -19.73         | peak    | H              |
|     | 4904.870           | 0.79             | 42.12             | 42.91             | 54.00             | -11.09         | average | H              |
| 3   | 4993.000           | 0.95             | 52.38             | 53.33             | 74.00             | -20.67         | peak    | V              |
| 4   | 7501.000           | 7.96             | 46.51             | 54.47             | 74.00             | -19.53         | peak    | V              |
|     | 7501.120           | 7.96             | 35.32             | 43.28             | 54.00             | -10.72         | average | V              |

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or AVG measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor





## 5. Band Edges Measurement

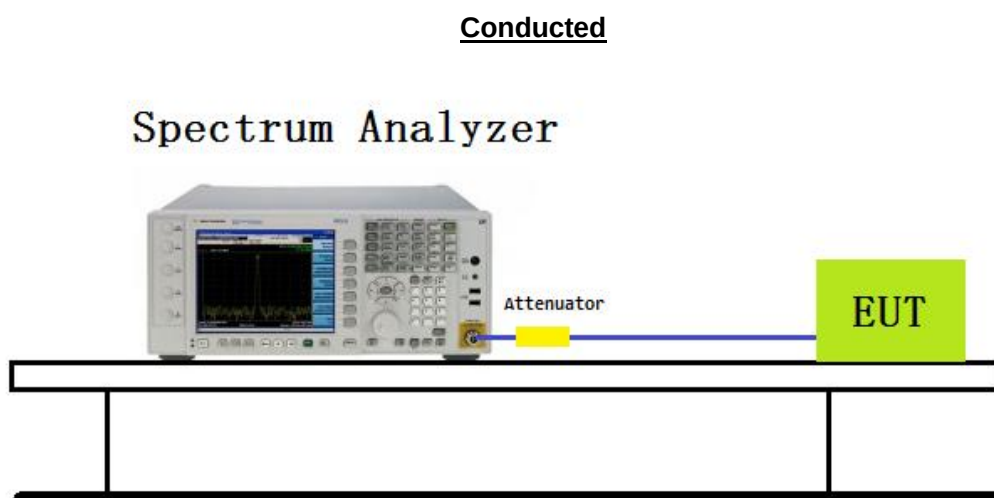
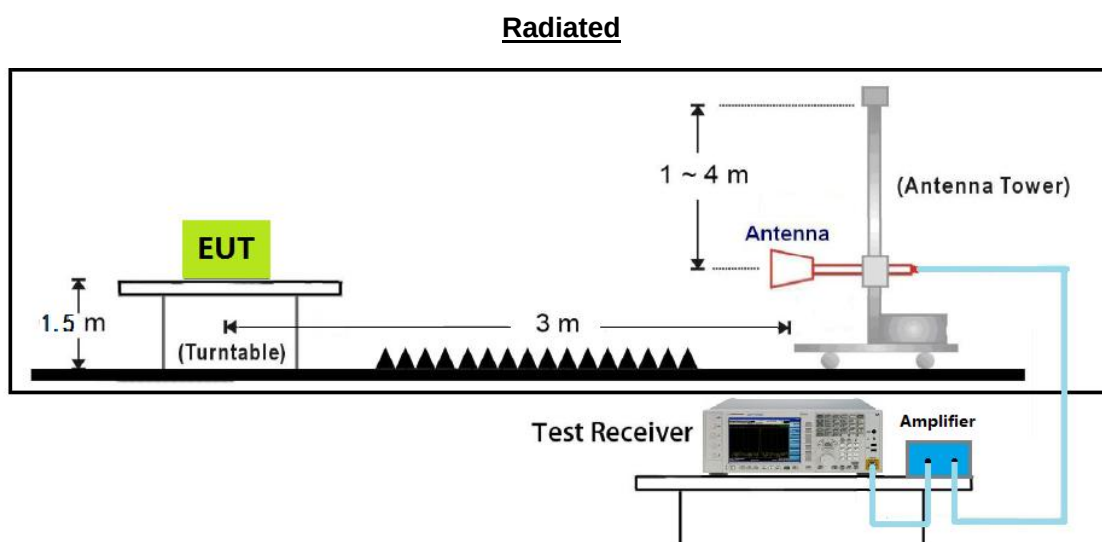
### 5.1 Test Limit

Below -20dB of the highest emission level of operating band (In 100 kHz Resolution Bandwidth)

### 5.2 Test Procedure

- The transmitter output was connected to the spectrum analyzer via a low lose cable.
- Set RBW of spectrum analyzer to 100 KHz and VBW of spectrum analyzer to 300 KHz with convenient frequency span including 100 KHz bandwidth from band edge.
- The band edges was measured and recorded.

### 5.3 Test Setup Layout





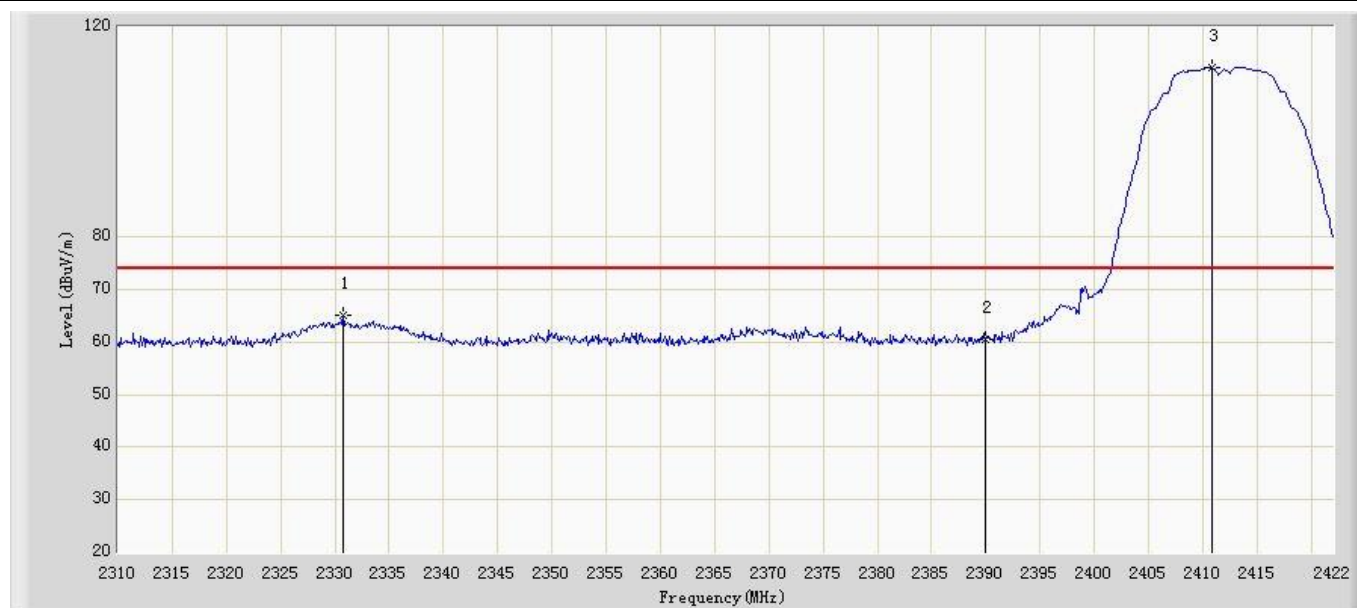
#### 5.4 Measurement Equipment

| Instrument/Ancillary       | Manufacturer | Model No. | Serial No. | Calibration Date | Valid Date. |
|----------------------------|--------------|-----------|------------|------------------|-------------|
| EMI Test Receiver          | R&S          | ESCI      | 100563     | 2015.02.10       | 2016.02.09  |
| H64 Preamplifier           | HP           | 8447F     | 3113A05582 | 2015.03.24       | 2016.03.23  |
| Preamplifier               | Agilent      | 8449B     | 3008A02342 | 2015.03.24       | 2016.03.23  |
| Ultra Broadband Antenna    | R&S          | HL562     | 100362     | 2015.05.24       | 2016.05.23  |
| Broad-Band Horn Antenna    | Schwarzbeck  | BBHA9120D | 9120D-619  | 2015.05.24       | 2016.05.23  |
| Broad-Band Horn Antenna    | Schwarzbeck  | BBHA9170  | 9170-348   | 2015.05.24       | 2016.05.23  |
| Spectrum Analyzer          | R&S          | FSP40     | 100324     | 2015.03.23       | 2016.03.24  |
| Spectrum Analyzer          | N9010A       | Agilent   | MY54200207 | 2014.10.9        | 2015.10.8   |
| Temperature/Humidity Meter | Zhicheng     | ZC1-11    | CEP-TH-002 | 2015.03.31       | 2016.03.30  |



## 5.5 Test Data

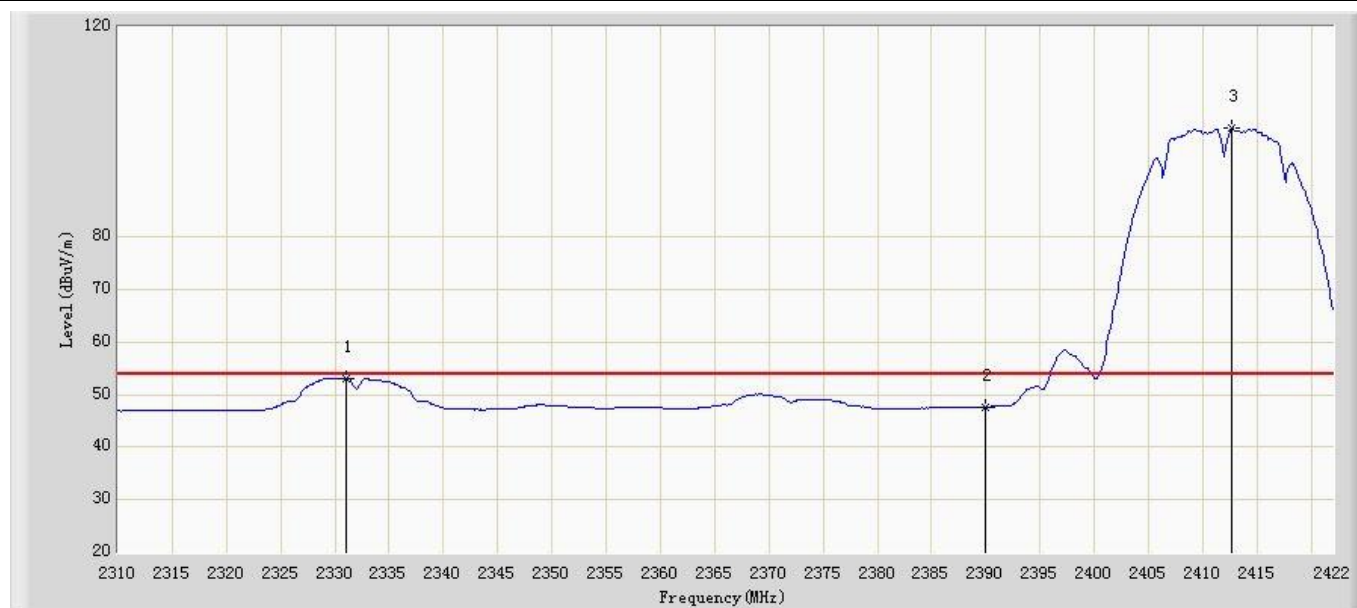
|                                                   |                          |
|---------------------------------------------------|--------------------------|
| Site: AC103                                       | Time: 2015/11/04 - 13:22 |
| Limit: FCC_Part15.209_RE(3m)                      | Margin: 0                |
| Probe: 2.4G-Bandedge                              | Polarity: Vertical       |
| EUT: Wireless N VDSL2 4-ports Gateway             | Power: 120V/60Hz         |
| Note: Mode1: Transmit at 2412MHz by 802.11b Ant 1 |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 2330.720        | 65.054                 | 33.895               | -8.946          | 74.000         | 31.159      | PK   |
| 2  |      | 2390.000        | 60.597                 | 29.431               | -13.403         | 74.000         | 31.166      | PK   |
| 3  | *    | 2410.912        | 112.119                | 80.951               | N/A             | N/A            | 31.168      | PK   |



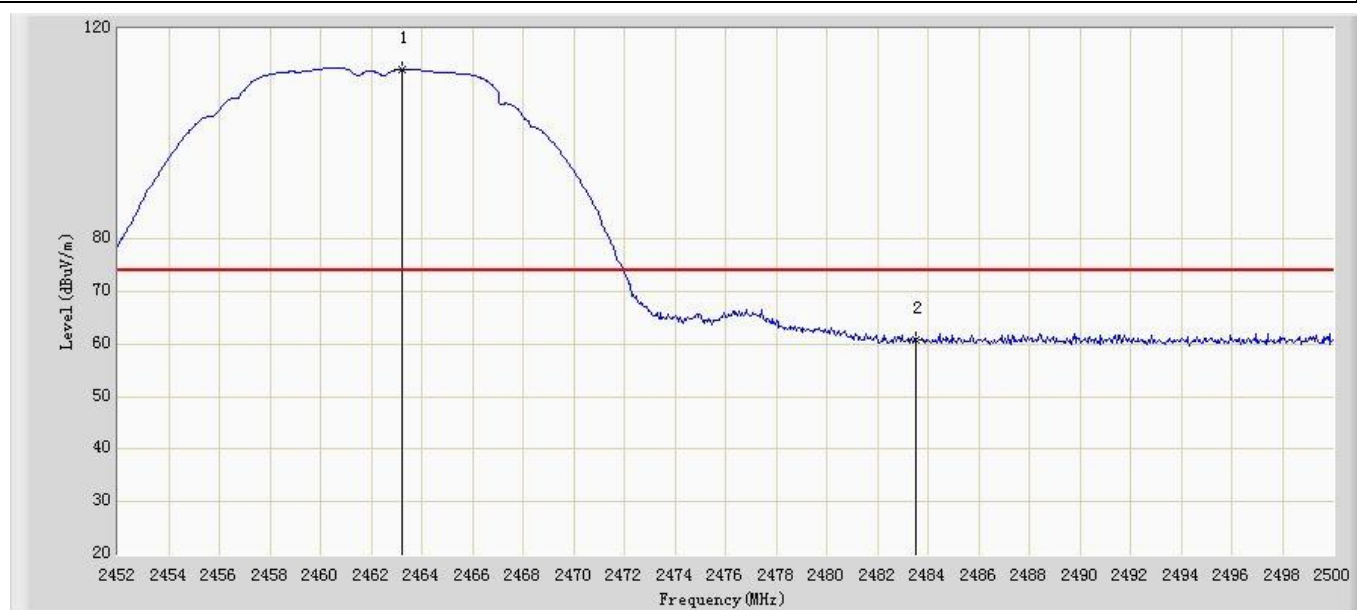
|                                                   |                          |
|---------------------------------------------------|--------------------------|
| Site: AC103                                       | Time: 2015/11/04 - 13:25 |
| Limit: FCC_Part15.209_RE(3m)                      | Margin: 0                |
| Probe: 2.4G-Bandedge                              | Polarity: Vertical       |
| EUT: Wireless N VDSL2 4-ports Gateway             | Power: 120V/60Hz         |
| Note: Mode1: Transmit at 2412MHz by 802.11b Ant 1 |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 2331.056        | 53.176                 | 22.017               | -0.824          | 54.000         | 31.159      | AV   |
| 2  |      | 2390.000        | 47.672                 | 16.506               | -6.328          | 54.000         | 31.166      | AV   |
| 3  | *    | 2412.704        | 100.645                | 69.476               | N/A             | N/A            | 31.169      | AV   |



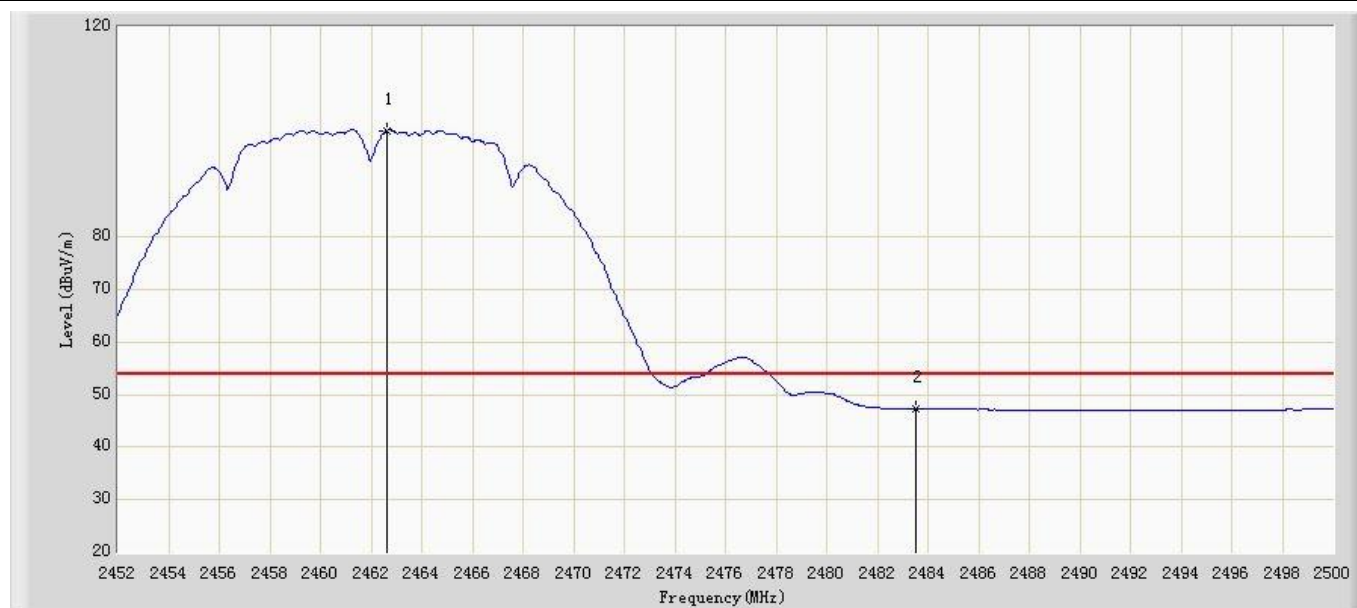
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|---------------------------------------------------|--------------------------|
| Site: AC103                                       | Time: 2015/11/04 - 13:50 |
| Limit: FCC_Part15.209_RE(3m)                      | Margin: 0                |
| Probe: 2.4G-Bandedge                              | Polarity: Vertical       |
| EUT: Wireless N VDSL2 4-ports Gateway             | Power: 120V/60Hz         |
| Note: Mode1: Transmit at 2462MHz by 802.11b Ant 1 |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2463.232        | 112.346                | 81.171               | N/A             | N/A            | 31.175      | PK   |
| 2  |      | 2483.500        | 60.748                 | 29.571               | -13.252         | 74.000         | 31.177      | PK   |



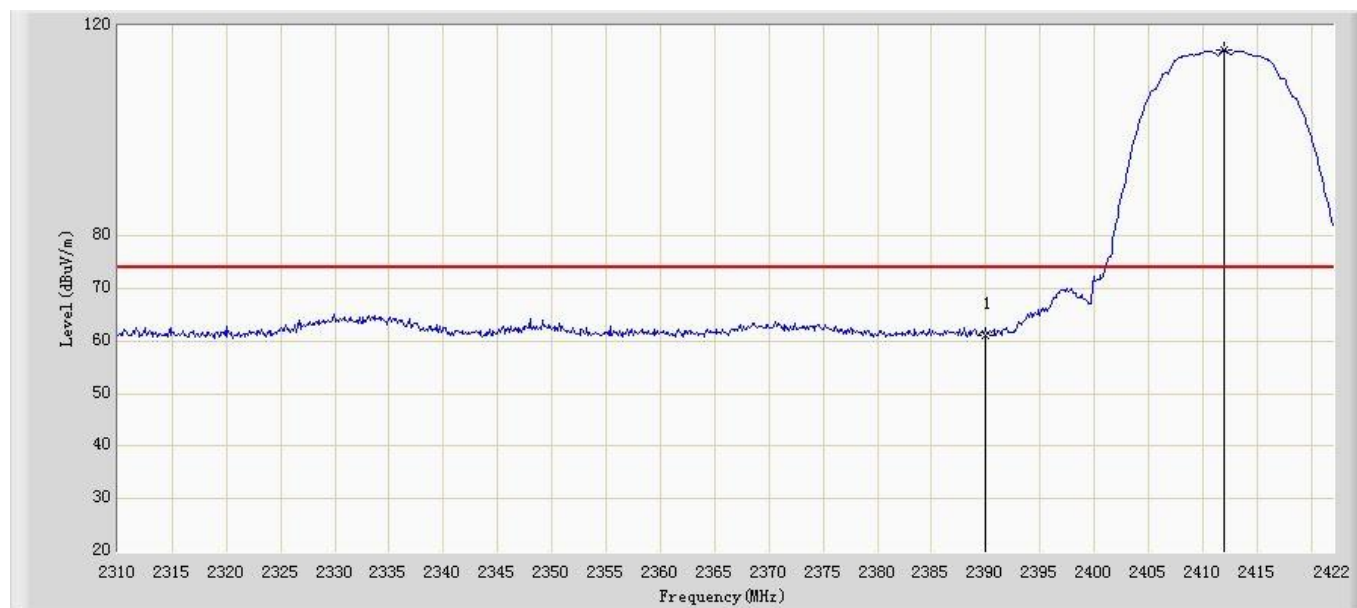
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|---------------------------------------------------|--------------------------|
| Site: AC103                                       | Time: 2015/11/04 - 13:52 |
| Limit: FCC_Part15.209_RE(3m)                      | Margin: 0                |
| Probe: 2.4G-Bandedge                              | Polarity: Vertical       |
| EUT: Wireless N VDSL2 4-ports Gateway             | Power: 120V/60Hz         |
| Note: Mode1: Transmit at 2462MHz by 802.11b Ant 1 |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2462.656        | 100.306                | 69.131               | N/A             | N/A            | 31.175      | AV   |
| 2  |      | 2483.500        | 47.319                 | 16.142               | -6.681          | 54.000         | 31.177      | AV   |



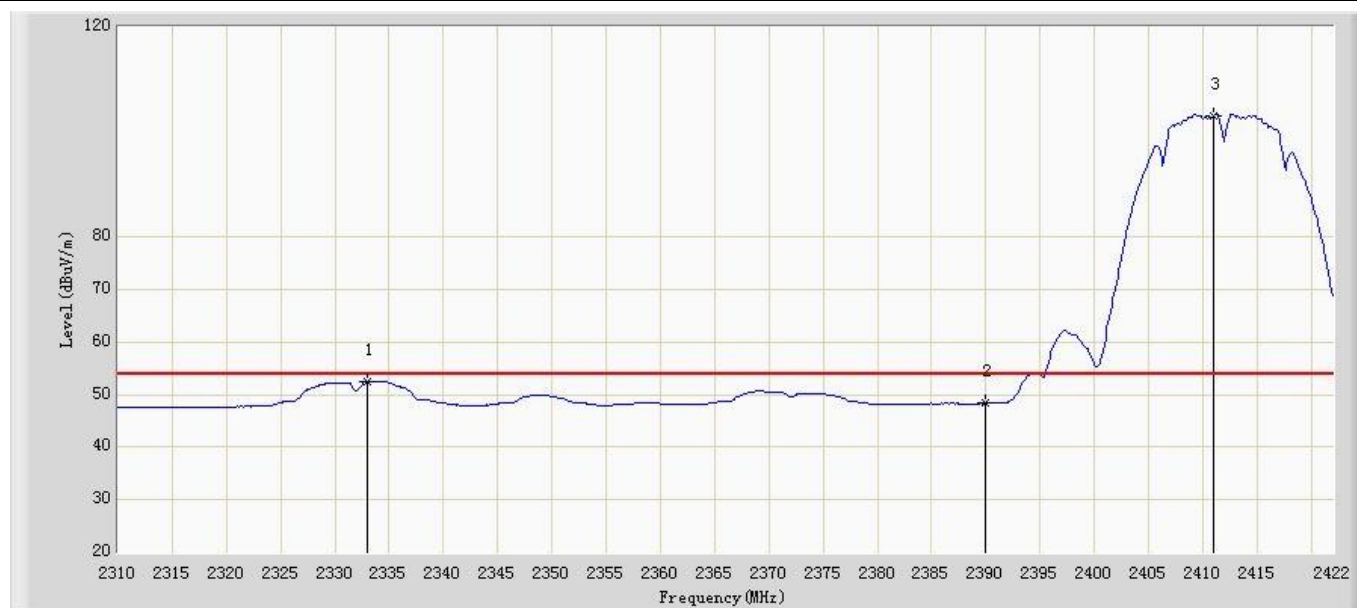
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|---------------------------------------------------|--------------------------|
| Site: AC103                                       | Time: 2015/11/04 - 14:07 |
| Limit: FCC_Part15.209_RE(3m)                      | Margin: 0                |
| Probe: 2.4G-Bandedge                              | Polarity: Vertical       |
| EUT: Wireless N VDSL2 4-ports Gateway             | Power: 120V/60Hz         |
| Note: Mode1: Transmit at 2412MHz by 802.11b Ant 2 |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 2390.000        | 61.035                 | 29.869               | -12.965         | 74.000         | 31.166      | PK   |
| 2  | *    | 2411.920        | 115.405                | 84.236               | N/A             | N/A            | 31.169      | PK   |



|                                                   |                          |
|---------------------------------------------------|--------------------------|
| Site: AC103                                       | Time: 2015/11/04 - 14:09 |
| Limit: FCC_Part15.209_RE(3m)                      | Margin: 0                |
| Probe: 2.4G-Bandedge                              | Polarity: Vertical       |
| EUT: Wireless N VDSL2 4-ports Gateway             | Power: 120V/60Hz         |
| Note: Mode1: Transmit at 2412MHz by 802.11b Ant 2 |                          |

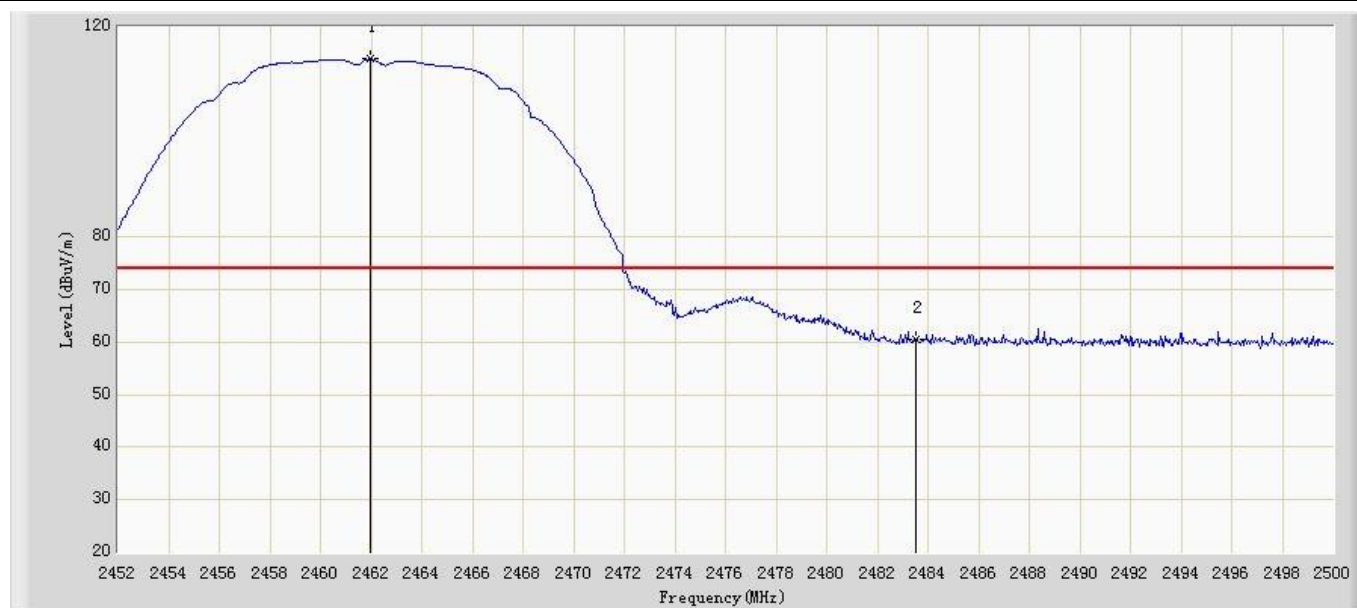


| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 2332.960        | 52.485                 | 21.326               | -1.515          | 54.000         | 31.159      | AV   |
| 2  |      | 2390.000        | 48.348                 | 17.182               | -5.652          | 54.000         | 31.166      | AV   |
| 3  | *    | 2411.024        | 103.091                | 71.922               | N/A             | N/A            | 31.169      | AV   |





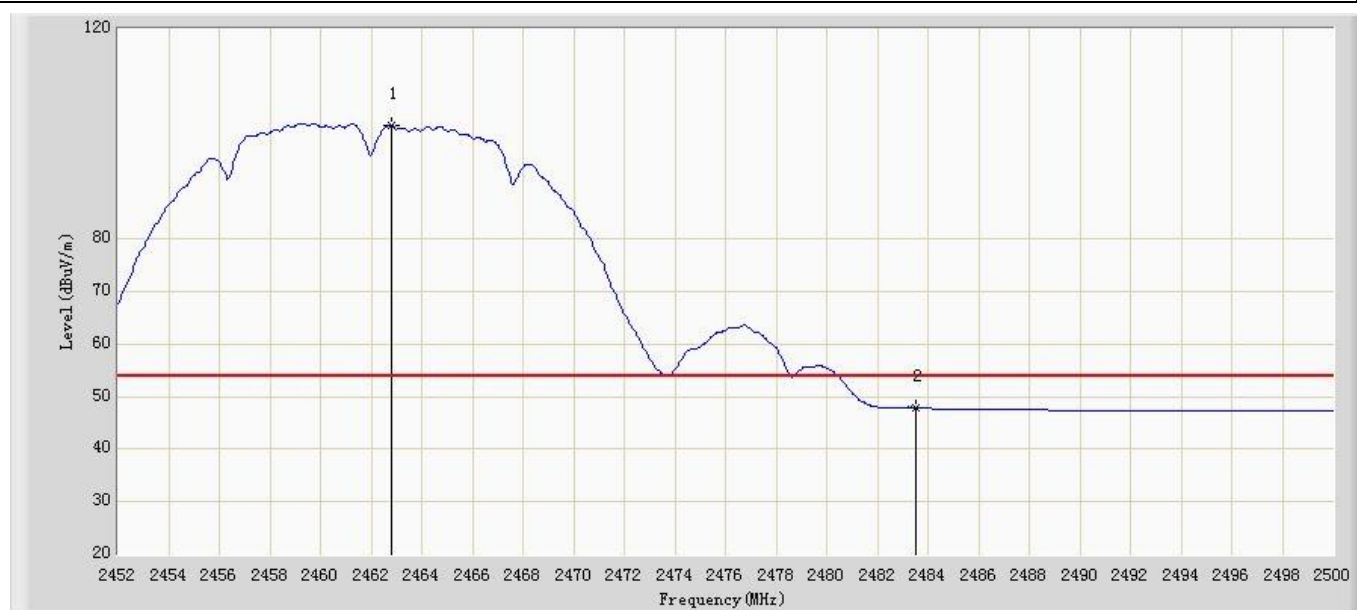
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|---------------------------------------------------|--------------------------|
| Site: AC103                                       | Time: 2015/11/04 - 14:10 |
| Limit: FCC_Part15.209_RE(3m)                      | Margin: 0                |
| Probe: 2.4G-Bandedge                              | Polarity: Vertical       |
| EUT: Wireless N VDSL2 4-ports Gateway             | Power: 120V/60Hz         |
| Note: Mode1: Transmit at 2462MHz by 802.11b Ant 2 |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2461.984        | 113.876                | 82.702               | N/A             | N/A            | 31.174      | PK   |
| 2  |      | 2483.500        | 60.635                 | 29.458               | -13.365         | 74.000         | 31.177      | PK   |



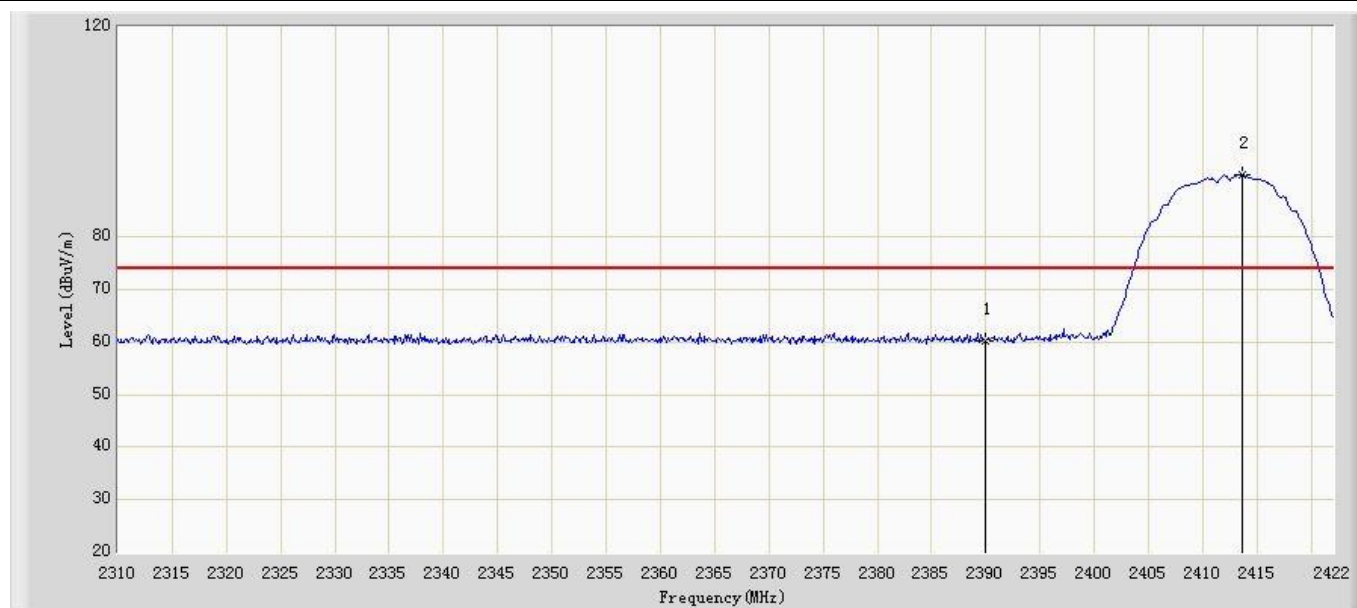
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|---------------------------------------------------|--------------------------|
| Site: AC103                                       | Time: 2015/11/04 - 14:11 |
| Limit: FCC_Part15.209_RE(3m)                      | Margin: 0                |
| Probe: 2.4G-Bandedge                              | Polarity: Vertical       |
| EUT: Wireless N VDSL2 4-ports Gateway             | Power: 120V/60Hz         |
| Note: Mode1: Transmit at 2462MHz by 802.11b Ant 2 |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2462.800        | 101.601                | 70.426               | N/A             | N/A            | 31.175      | AV   |
| 2  |      | 2483.500        | 47.998                 | 16.821               | -6.002          | 54.000         | 31.177      | AV   |



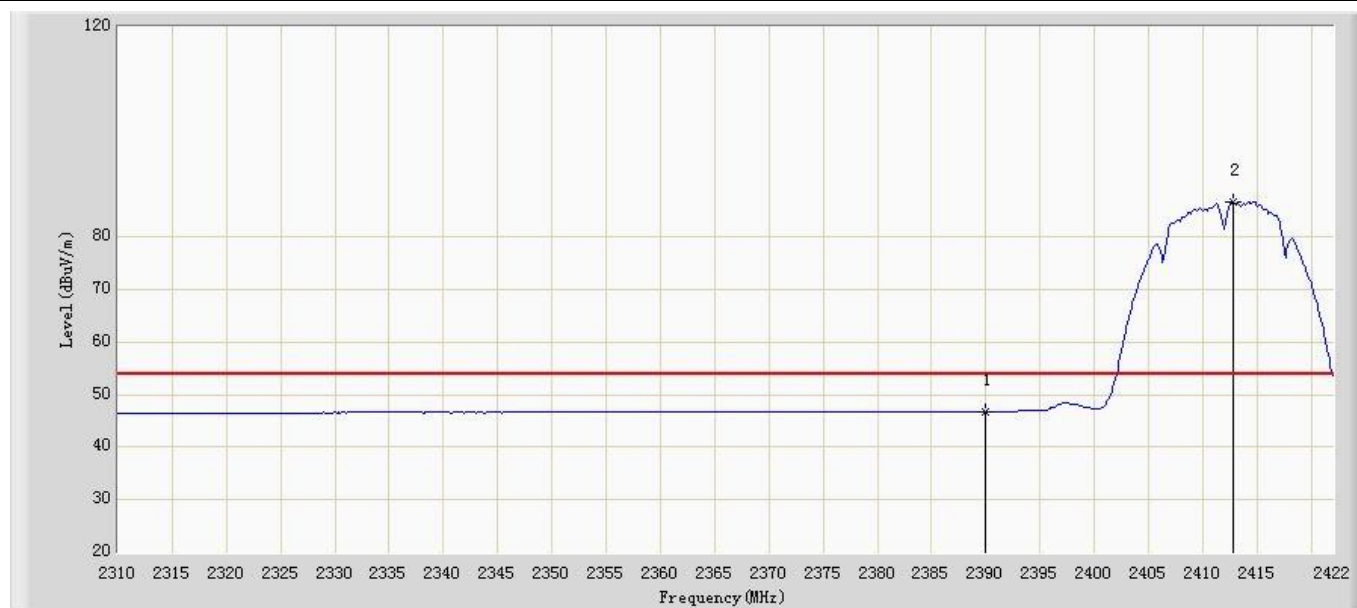
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|---------------------------------------------------|--------------------------|
| Site: AC103                                       | Time: 2015/11/04 - 15:16 |
| Limit: FCC_Part15.209_RE(3m)                      | Margin: 0                |
| Probe: 2.4G-Bandedge                              | Polarity: Horizontal     |
| EUT: Wireless N VDSL2 4-ports Gateway             | Power: 120V/60Hz         |
| Note: Mode1: Transmit at 2412MHz by 802.11b Ant 1 |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 2390.000        | 60.292                 | 29.126               | -13.708         | 74.000         | 31.166      | PK   |
| 2  | *    | 2413.600        | 91.758                 | 60.589               | N/A             | N/A            | 31.169      | PK   |



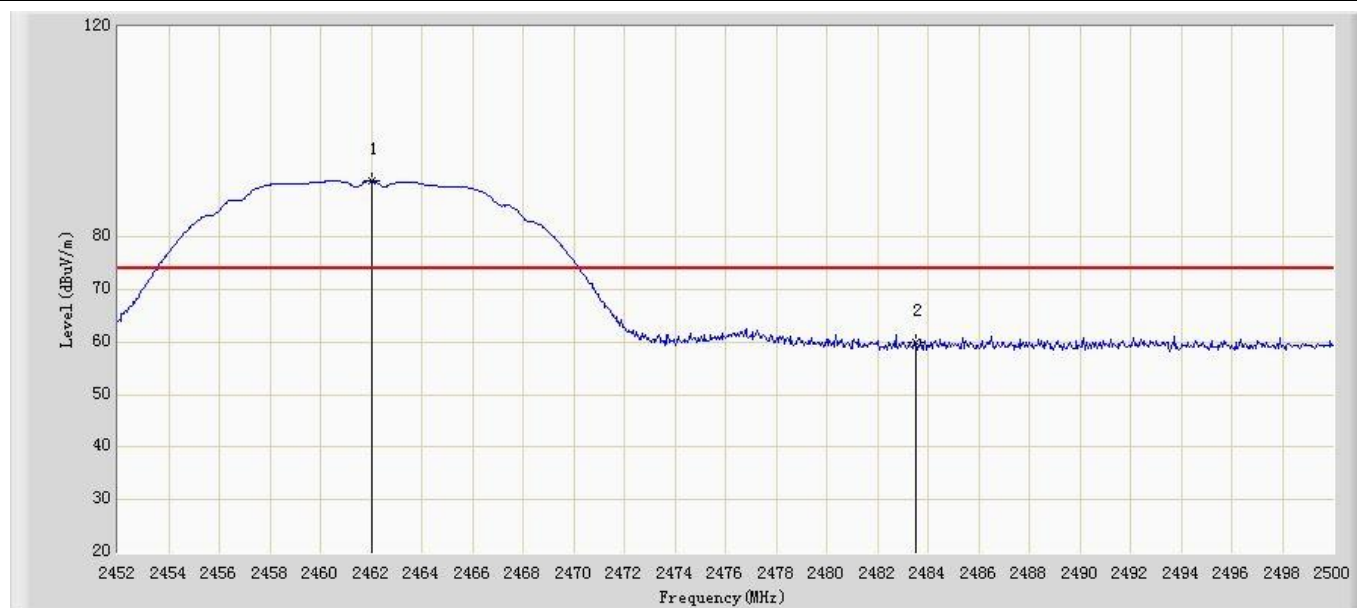
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|---------------------------------------------------|--------------------------|
| Site: AC103                                       | Time: 2015/11/04 - 15:19 |
| Limit: FCC_Part15.209_RE(3m)                      | Margin: 0                |
| Probe: 2.4G-Bandedge                              | Polarity: Horizontal     |
| EUT: Wireless N VDSL2 4-ports Gateway             | Power: 120V/60Hz         |
| Note: Mode1: Transmit at 2412MHz by 802.11b Ant 1 |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 2390.000        | 46.772                 | 15.606               | -7.228          | 54.000         | 31.166      | AV   |
| 2  | *    | 2412.816        | 86.671                 | 55.502               | N/A             | N/A            | 31.169      | AV   |



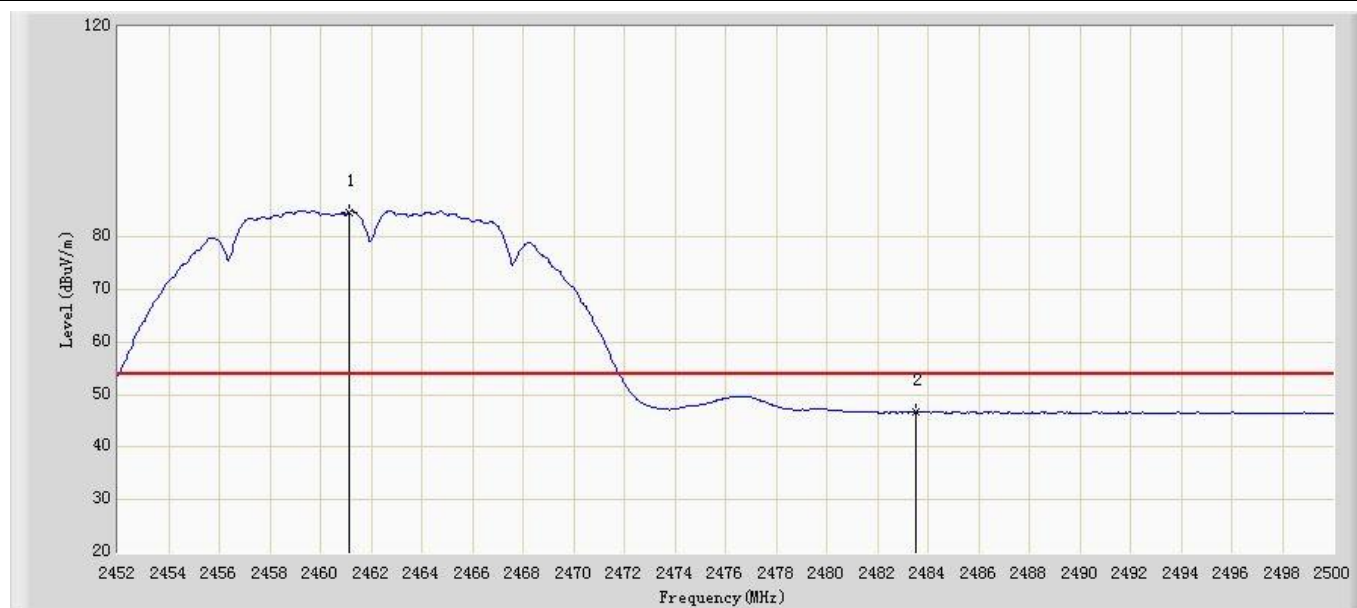
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|---------------------------------------------------|--------------------------|
| Site: AC103                                       | Time: 2015/11/04 - 15:20 |
| Limit: FCC_Part15.209_RE(3m)                      | Margin: 0                |
| Probe: 2.4G-Bandedge                              | Polarity: Horizontal     |
| EUT: Wireless N VDSL2 4-ports Gateway             | Power: 120V/60Hz         |
| Note: Mode1: Transmit at 2462MHz by 802.11b Ant 1 |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2462.032        | 90.706                 | 59.531               | N/A             | N/A            | 31.175      | PK   |
| 2  |      | 2483.500        | 60.036                 | 28.859               | -13.964         | 74.000         | 31.177      | PK   |



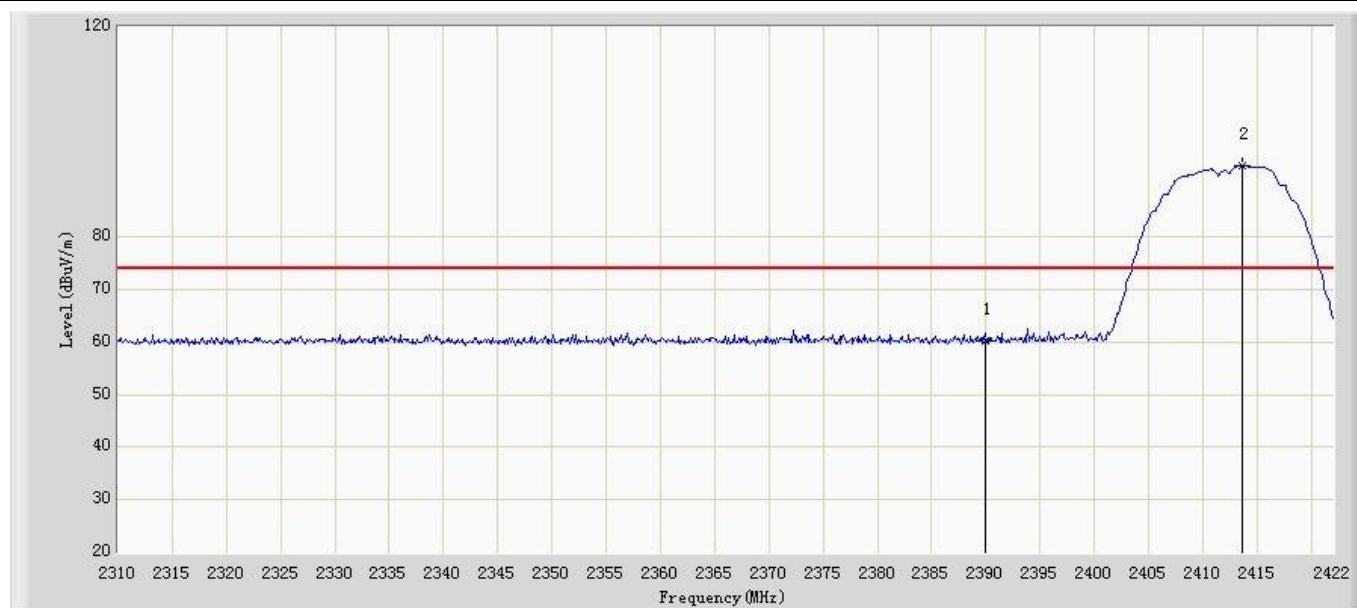
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|---------------------------------------------------|--------------------------|
| Site: AC103                                       | Time: 2015/11/04 - 15:21 |
| Limit: FCC_Part15.209_RE(3m)                      | Margin: 0                |
| Probe: 2.4G-Bandedge                              | Polarity: Horizontal     |
| EUT: Wireless N VDSL2 4-ports Gateway             | Power: 120V/60Hz         |
| Note: Mode1: Transmit at 2462MHz by 802.11b Ant 1 |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2461.120        | 84.796                 | 53.622               | N/A             | N/A            | 31.174      | AV   |
| 2  |      | 2483.500        | 46.599                 | 15.422               | -7.401          | 54.000         | 31.177      | AV   |



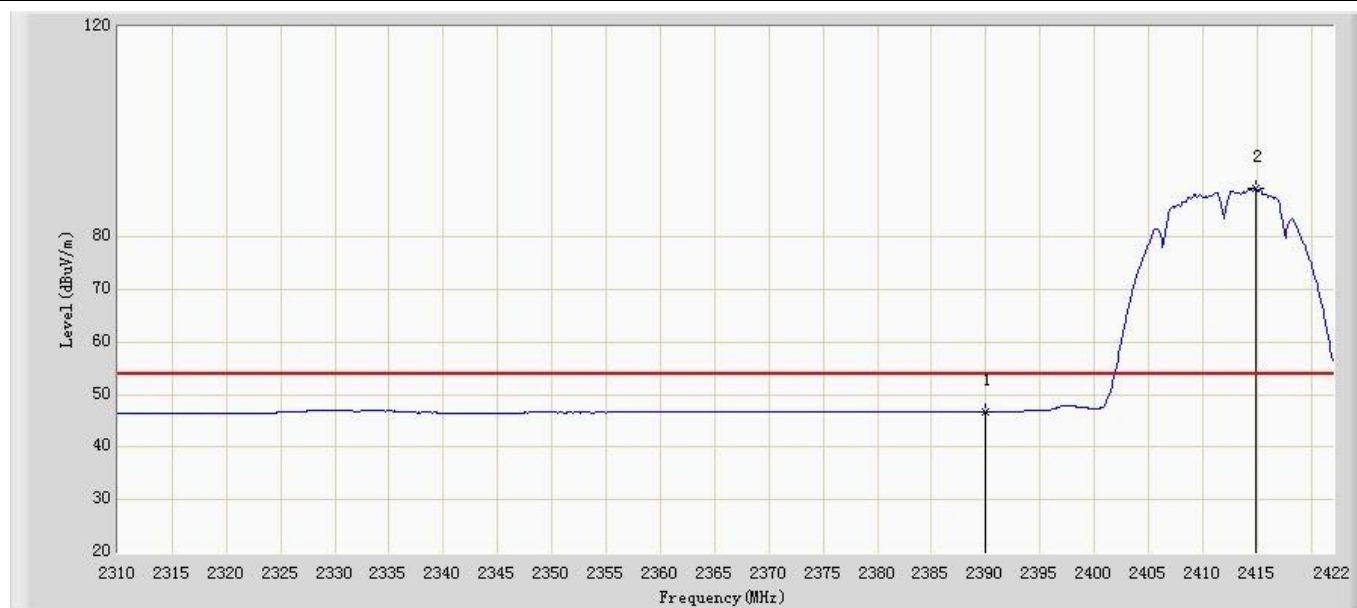
|                                                   |                          |
|---------------------------------------------------|--------------------------|
| Site: AC103                                       | Time: 2015/11/04 - 14:38 |
| Limit: FCC_Part15.209_RE(3m)                      | Margin: 0                |
| Probe: 2.4G-Bandedge                              | Polarity: Horizontal     |
| EUT: Wireless N VDSL2 4-ports Gateway             | Power: 120V/60Hz         |
| Note: Mode1: Transmit at 2412MHz by 802.11b Ant 2 |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 2390.000        | 60.278                 | 29.112               | -13.722         | 74.000         | 31.166      | PK   |
| 2  | *    | 2413.600        | 93.643                 | 62.474               | N/A             | N/A            | 31.169      | PK   |



|                                                   |                          |
|---------------------------------------------------|--------------------------|
| Site: AC103                                       | Time: 2015/11/04 - 14:40 |
| Limit: FCC_Part15.209_RE(3m)                      | Margin: 0                |
| Probe: 2.4G-Bandedge                              | Polarity: Horizontal     |
| EUT: Wireless N VDSL2 4-ports Gateway             | Power: 120V/60Hz         |
| Note: Mode1: Transmit at 2412MHz by 802.11b Ant 2 |                          |

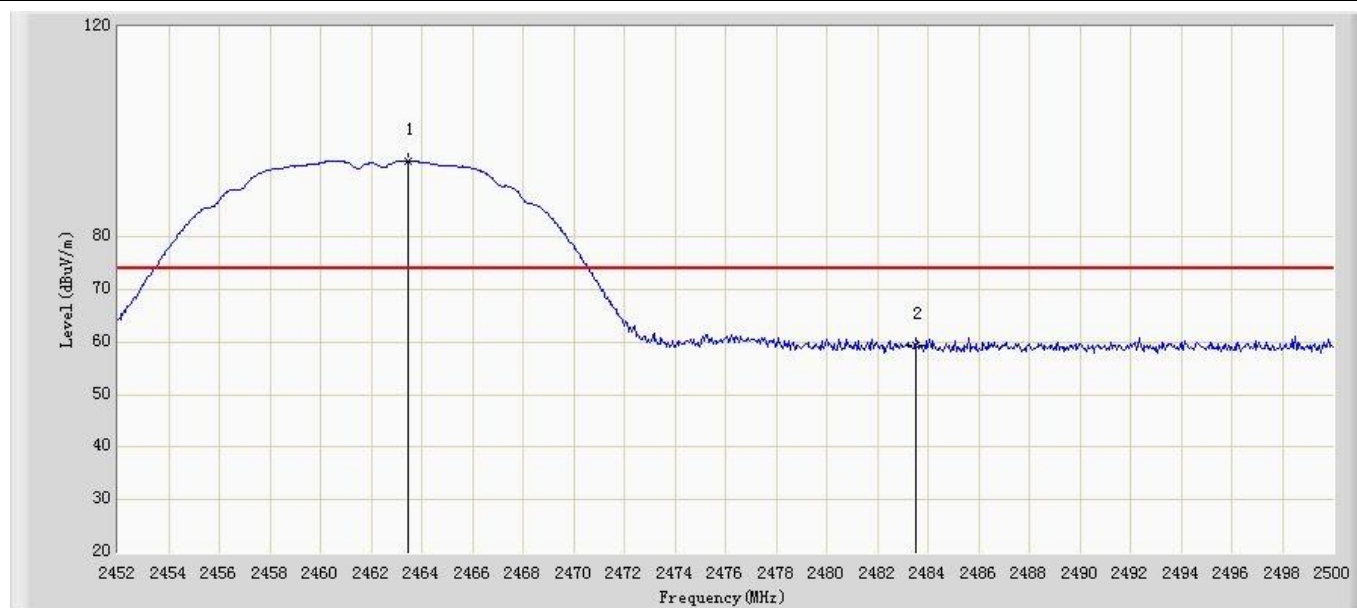


| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  |      | 2390.000        | 46.721                 | 15.555               | -7.279          | 54.000         | 31.166      | AV   |
| 2  | *    | 2414.832        | 89.271                 | 58.102               | N/A             | N/A            | 31.169      | AV   |





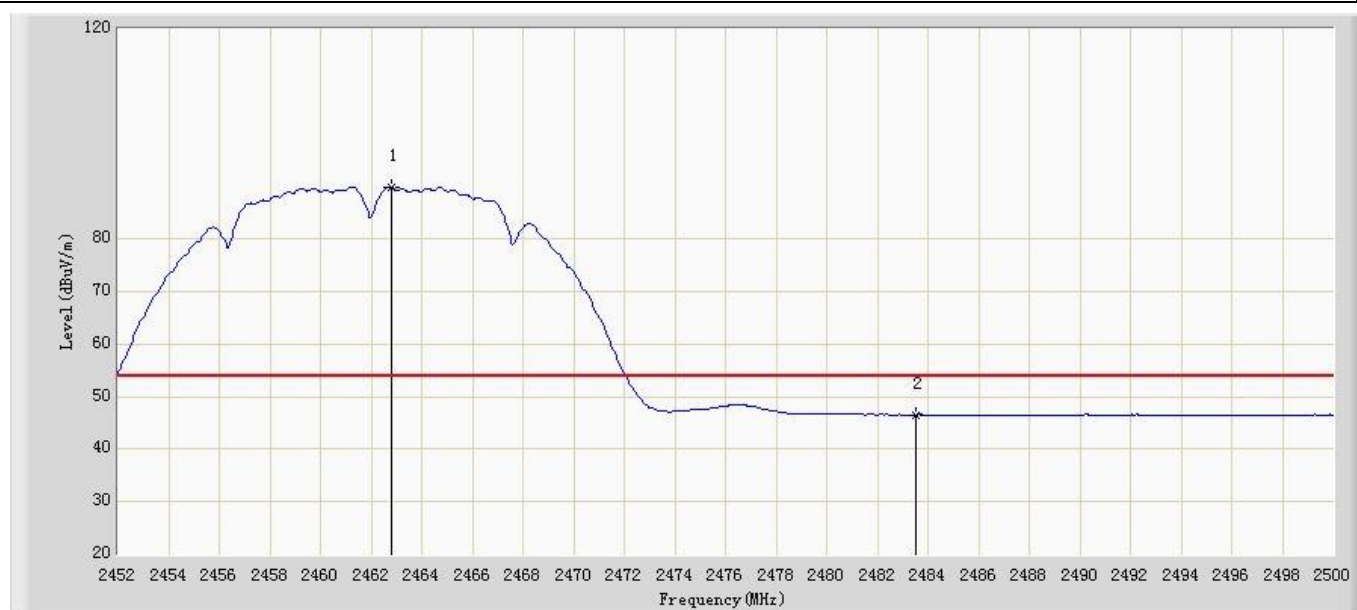
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|---------------------------------------------------|--------------------------|
| Site: AC103                                       | Time: 2015/11/04 - 14:41 |
| Limit: FCC_Part15.209_RE(3m)                      | Margin: 0                |
| Probe: 2.4G-Bandedge                              | Polarity: Horizontal     |
| EUT: Wireless N VDSL2 4-ports Gateway             | Power: 120V/60Hz         |
| Note: Mode1: Transmit at 2462MHz by 802.11b Ant 2 |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2463.472        | 94.452                 | 63.277               | N/A             | N/A            | 31.175      | PK   |
| 2  |      | 2483.500        | 59.484                 | 28.307               | -14.516         | 74.000         | 31.177      | PK   |



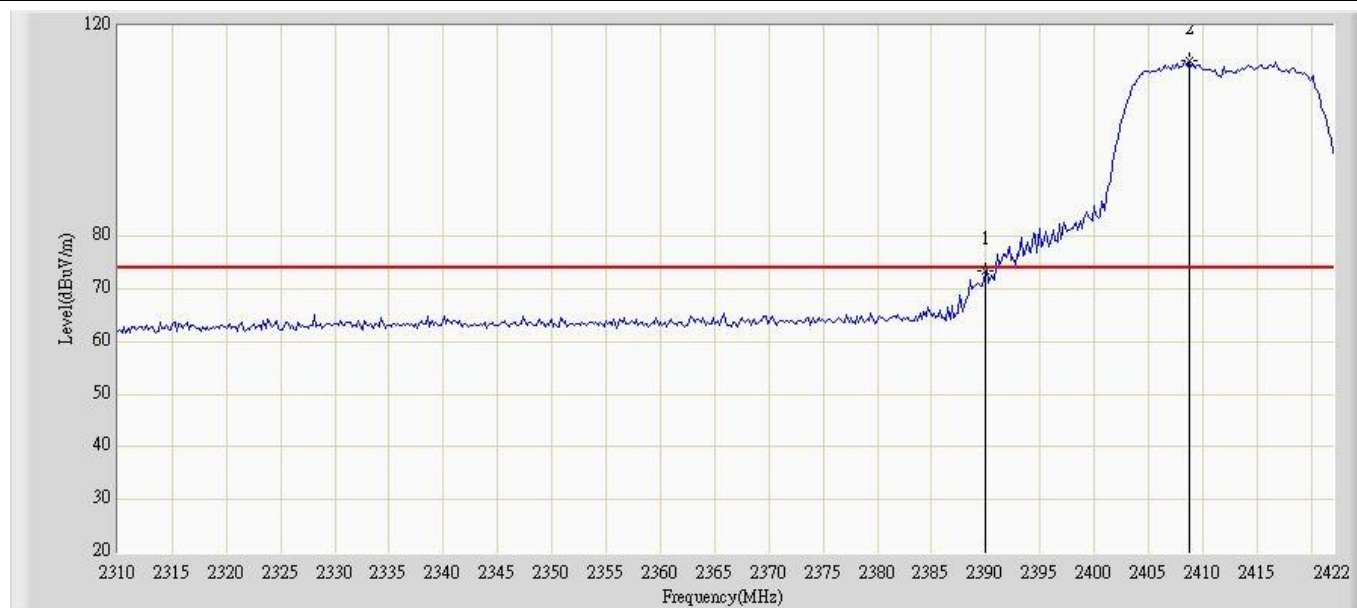
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|---------------------------------------------------|--------------------------|
| Site: AC103                                       | Time: 2015/11/04 - 14:42 |
| Limit: FCC_Part15.209_RE(3m)                      | Margin: 0                |
| Probe: 2.4G-Bandedge                              | Polarity: Horizontal     |
| EUT: Wireless N VDSL2 4-ports Gateway             | Power: 120V/60Hz         |
| Note: Mode1: Transmit at 2462MHz by 802.11b Ant 2 |                          |



| No | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor (dB) | Type |
|----|------|-----------------|------------------------|----------------------|-----------------|----------------|-------------|------|
| 1  | *    | 2462.800        | 89.840                 | 58.665               | N/A             | N/A            | 31.175      | AV   |
| 2  |      | 2483.500        | 46.540                 | 15.363               | -7.460          | 54.000         | 31.177      | AV   |



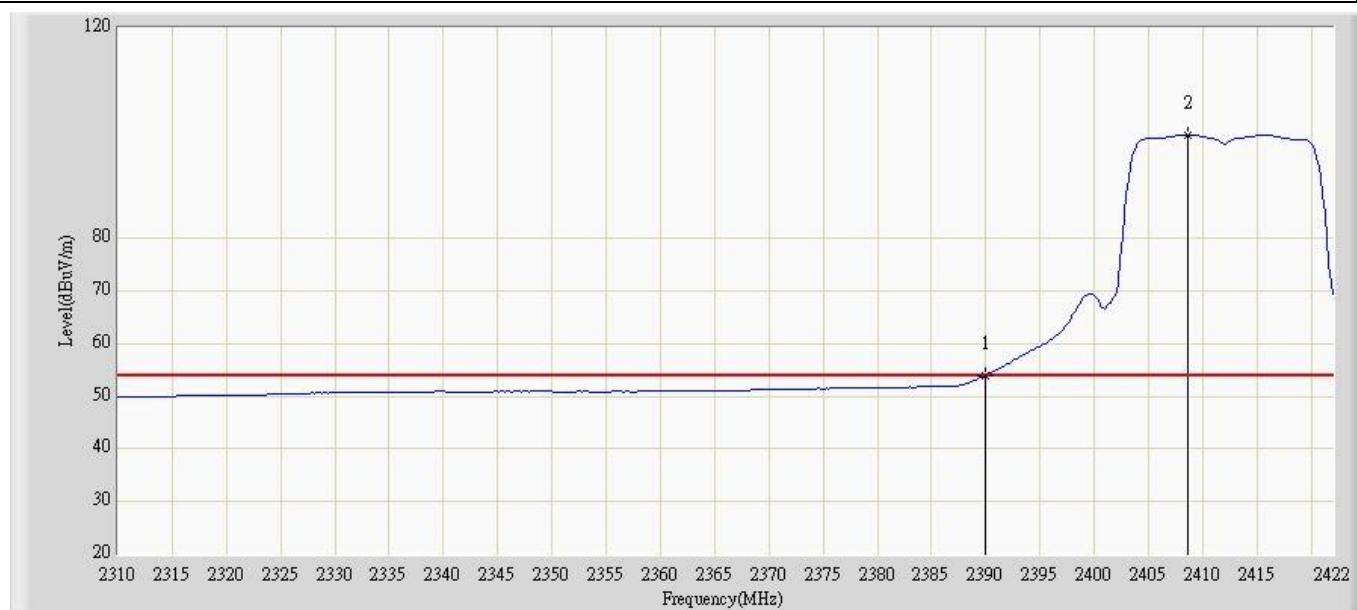
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|-----------------------------------------------------------|-------------------------|
| Site: AC103                                               | Time: 2015/12/02- 10:30 |
| Limit: FCC_Part15.209_RE(3m)                              | Margin: 0               |
| Probe: 2.4G-Bandedge                                      | Polarity: Vertical      |
| EUT: Wireless N VDSL2 4-ports Gateway                     | Power: AC 120V/60Hz     |
| Note: Mode2: Transmit at Channel 2412MHz by 802.11g Ant 1 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      |      | 2390.000        | 73.515                 | 36.528               | -0.485          | 74.000         | 36.988 | PK   |
| 2  |      | *    | 2408.747        | 113.495                | 76.414               | N/A             | N/A            | 37.081 | PK   |



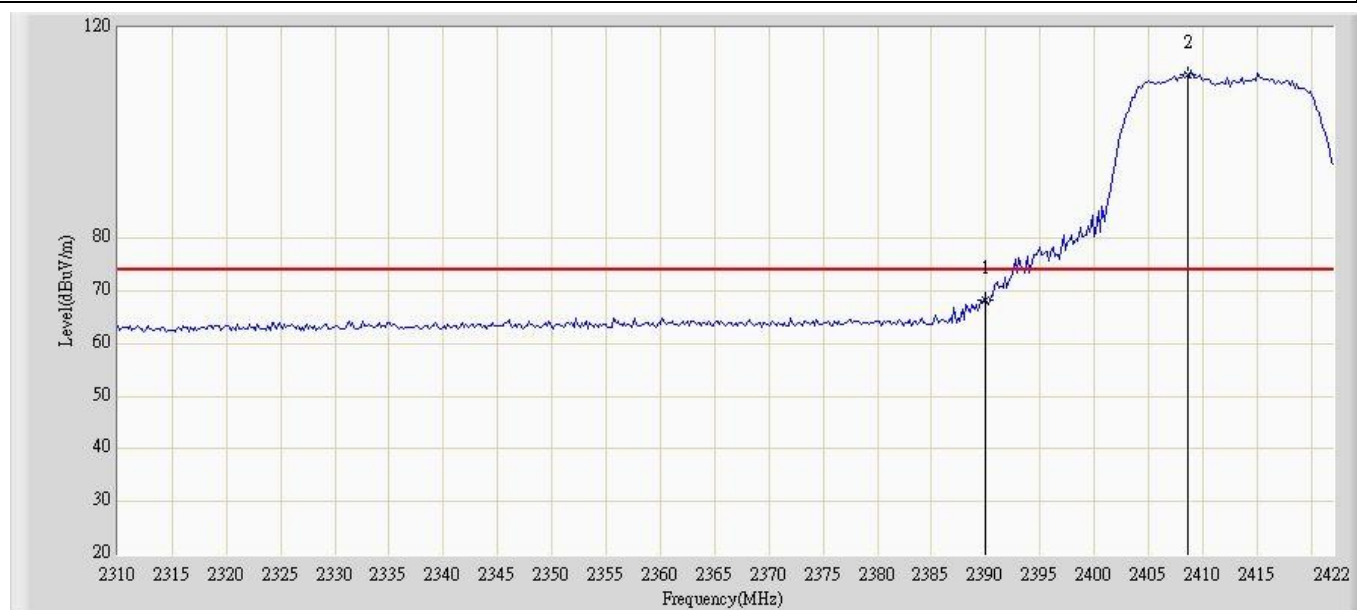
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|-----------------------------------------------------------|-------------------------|
| Site: AC103                                               | Time: 2015/12/02- 10:33 |
| Limit: FCC_Part15.209_RE(3m)                              | Margin: 0               |
| Probe: 2.4G-Bandedge                                      | Polarity: Vertical      |
| EUT: Wireless N VDSL2 4-ports Gateway                     | Power: AC 120V/60Hz     |
| Note: Mode2: Transmit at Channel 2412MHz by 802.11g Ant 1 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      |      | 2390.000        | 53.979                 | 16.992               | -0.021          | 54.000         | 36.988 | AV   |
| 2  |      | *    | 2408.560        | 99.619                 | 62.539               | N/A             | N/A            | 37.080 | AV   |



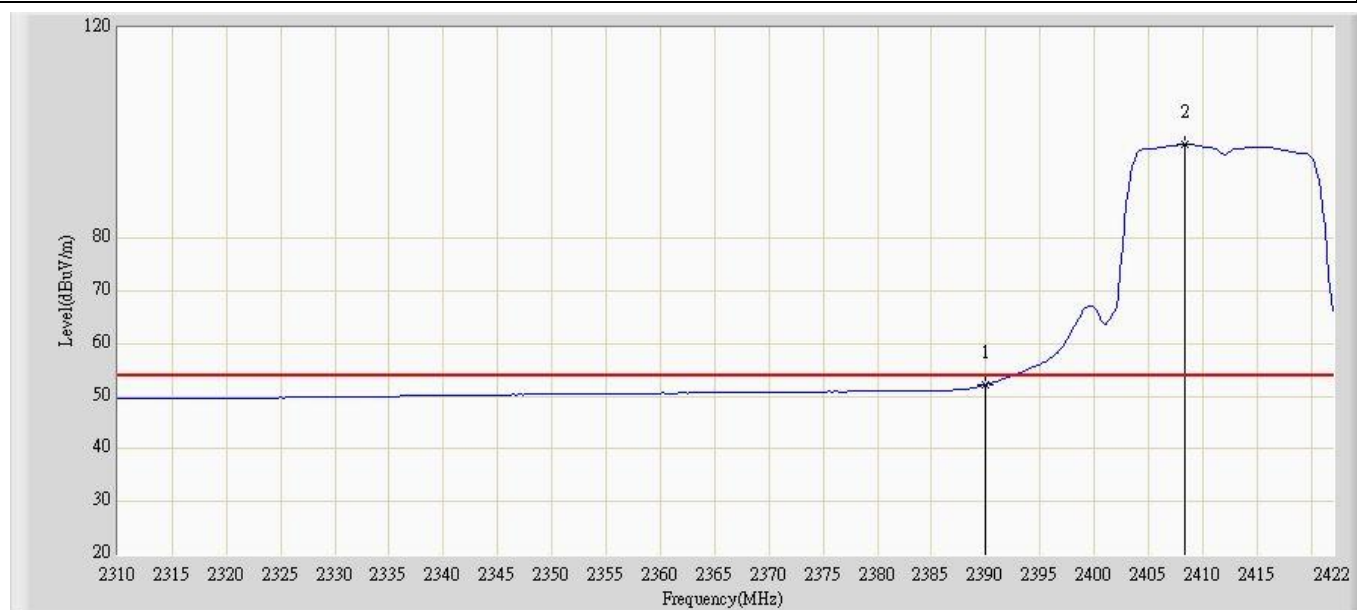
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|-----------------------------------------------------------|-------------------------|
| Site: AC103                                               | Time: 2015/12/02- 10:35 |
| Limit: FCC_Part15.209_RE(3m)                              | Margin: 0               |
| Probe: 2.4G-Bandedge                                      | Polarity: Horizontal    |
| EUT: Wireless N VDSL2 4-ports Gateway                     | Power: AC 120V/60Hz     |
| Note: Mode2: Transmit at Channel 2412MHz by 802.11g Ant 1 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      |      | 2390.000        | 68.259                 | 30.612               | -5.741          | 74.000         | 37.648 | PK   |
| 2  |      | *    | 2408.588        | 111.115                | 73.301               | N/A             | N/A            | 37.815 | PK   |



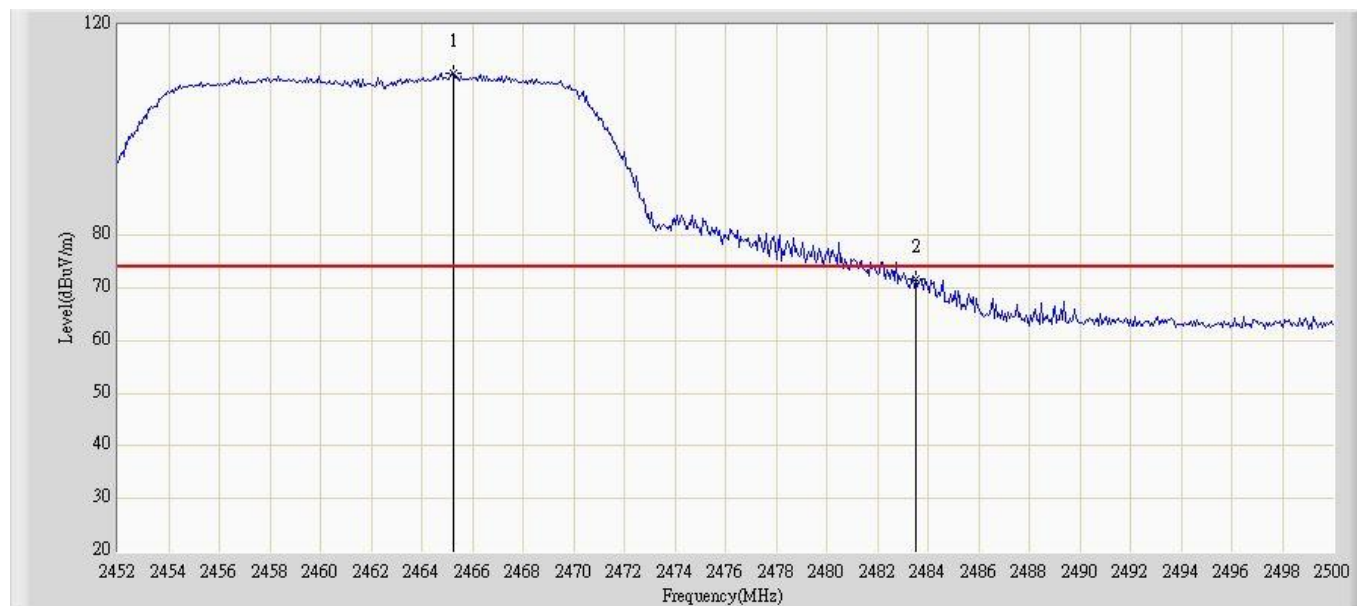
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|-----------------------------------------------------------|-------------------------|
| Site: AC103                                               | Time: 2015/12/02- 10:38 |
| Limit: FCC_Part15.209_RE(3m)                              | Margin: 0               |
| Probe: 2.4G-Bandedge                                      | Polarity: Horizontal    |
| EUT: Wireless N VDSL2 4-ports Gateway                     | Power: AC 120V/60Hz     |
| Note: Mode2: Transmit at Channel 2412MHz by 802.11g Ant 1 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      |      | 2390.000        | 52.202                 | 14.555               | -1.798          | 54.000         | 37.648 | AV   |
| 2  |      | *    | 2408.373        | 97.851                 | 60.039               | N/A             | N/A            | 37.812 | AV   |



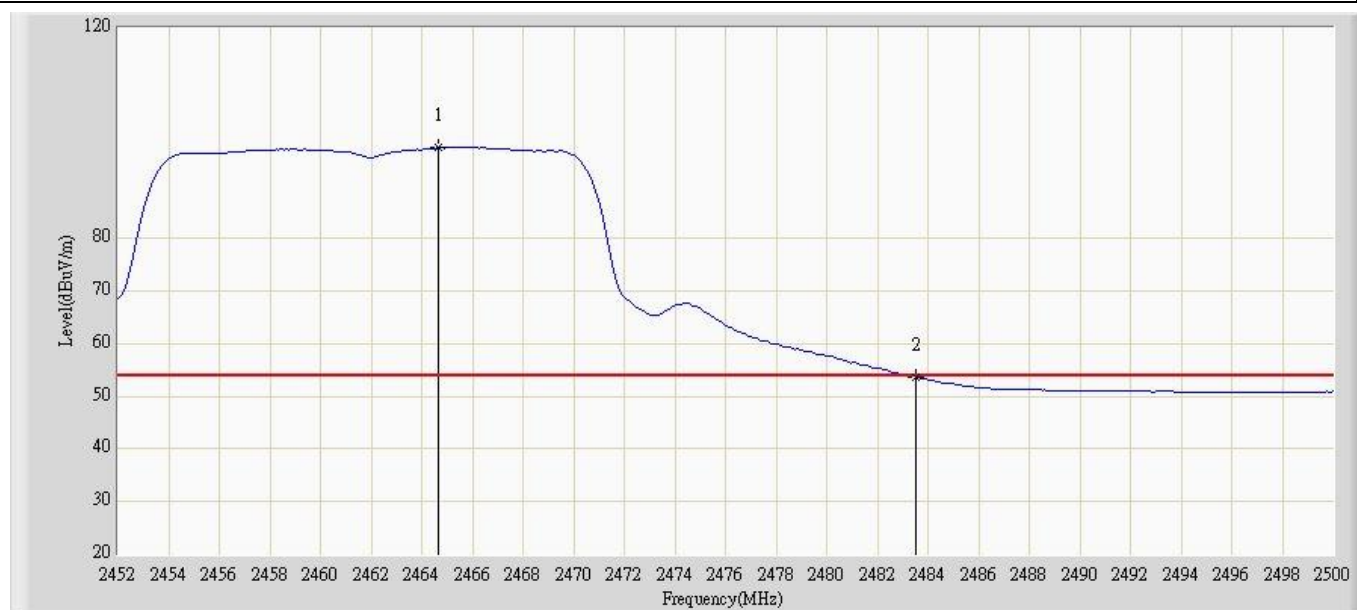
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|-----------------------------------------------------------|-------------------------|
| Site: AC103                                               | Time: 2015/12/02- 13:32 |
| Limit: FCC_Part15.209_RE(3m)                              | Margin: 0               |
| Probe: 2.4G-Bandedge                                      | Polarity: Vertical      |
| EUT: Wireless N VDSL2 4-ports Gateway                     | Power: AC 120V/60Hz     |
| Note: Mode2: Transmit at Channel 2462MHz by 802.11g Ant 1 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      | *    | 2465.260        | 110.680                | 73.327               | N/A             | N/A            | 37.353 | PK   |
| 2  |      |      | 2483.500        | 71.834                 | 34.393               | -2.166          | 74.000         | 37.441 | PK   |



|                                                           |                         |
|-----------------------------------------------------------|-------------------------|
| Site: AC103                                               | Time: 2015/12/02- 13:37 |
| Limit: FCC_Part15.209_RE(3m)                              | Margin: 0               |
| Probe: 2.4G-Bandedge                                      | Polarity: Vertical      |
| EUT: Wireless N VDSL2 4-ports Gateway                     | Power: AC 120V/60Hz     |
| Note: Mode2: Transmit at Channel 2462MHz by 802.11g Ant 1 |                         |

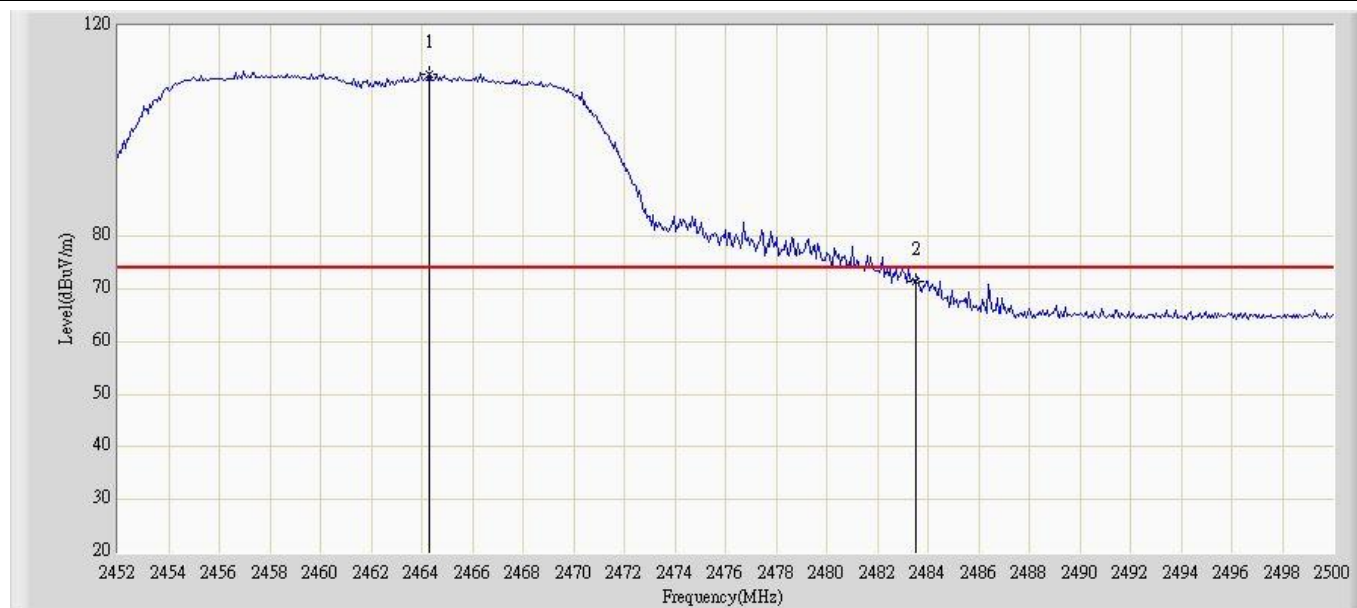


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      | *    | 2464.660        | 97.200                 | 59.850               | N/A             | N/A            | 37.350 | AV   |
| 2  |      |      | 2483.500        | 53.704                 | 16.263               | -0.296          | 54.000         | 37.441 | AV   |





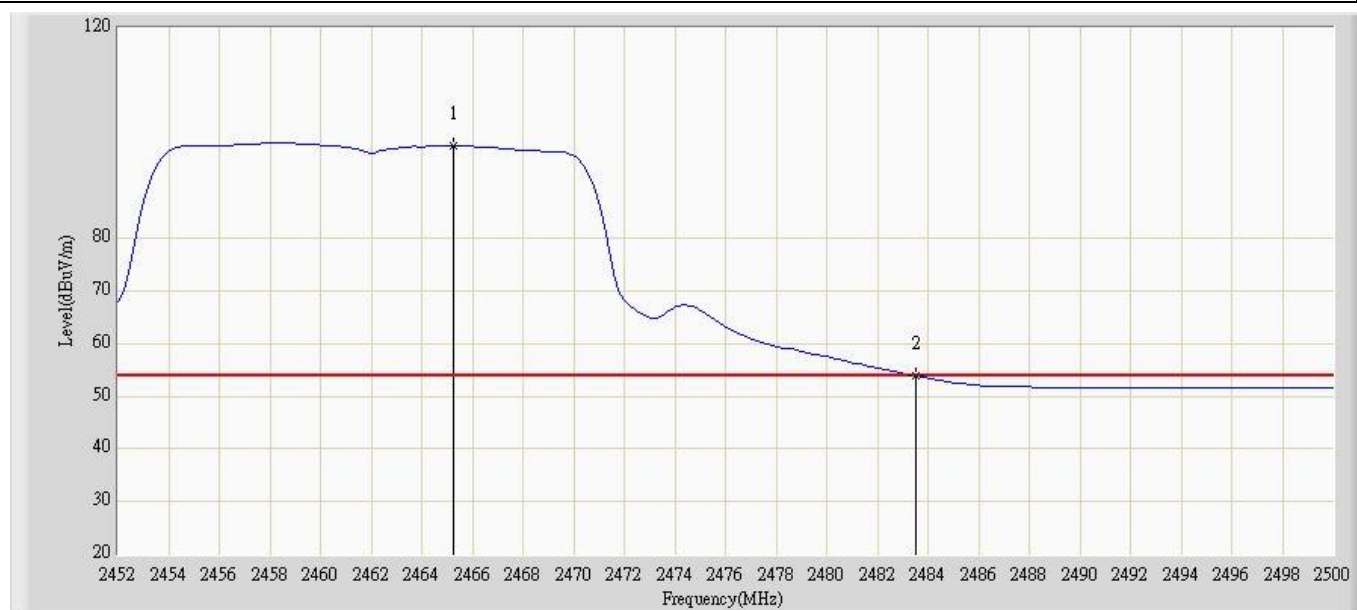
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|-----------------------------------------------------------|-------------------------|
| Site: AC103                                               | Time: 2015/12/02- 13:38 |
| Limit: FCC_Part15.209_RE(3m)                              | Margin: 0               |
| Probe: 2.4G-Bandedge                                      | Polarity: Horizontal    |
| EUT: Wireless N VDSL2 4-ports Gateway                     | Power: AC 120V/60Hz     |
| Note: Mode2: Transmit at Channel 2462MHz by 802.11g Ant 1 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      | *    | 2464.317        | 110.733                | 72.428               | N/A             | N/A            | 38.306 | PK   |
| 2  |      |      | 2483.500        | 71.355                 | 32.880               | -2.645          | 74.000         | 38.475 | PK   |



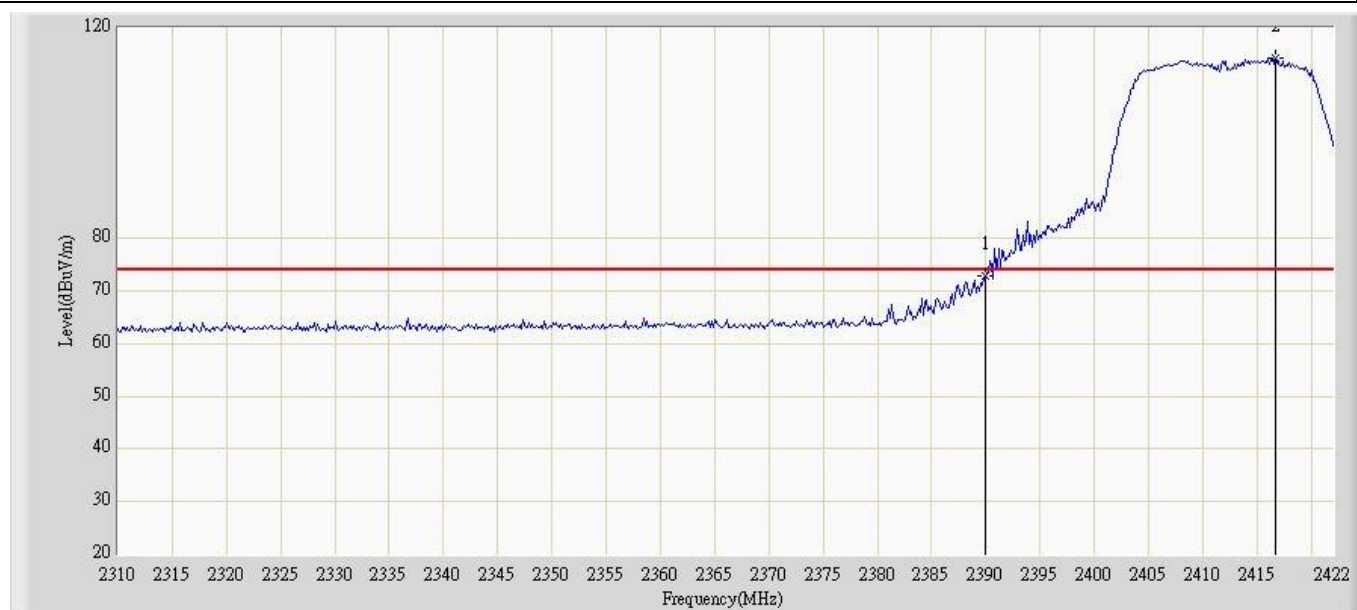
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|-----------------------------------------------------------|-------------------------|
| Site: AC103                                               | Time: 2015/12/02- 13:47 |
| Limit: FCC_Part15.209_RE(3m)                              | Margin: 0               |
| Probe: 2.4G-Bandedge                                      | Polarity: Horizontal    |
| EUT: Wireless N VDSL2 4-ports Gateway                     | Power: AC 120V/60Hz     |
| Note: Mode2: Transmit at Channel 2462MHz by 802.11g Ant 1 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      | *    | 2465.260        | 97.564                 | 59.250               | N/A             | N/A            | 38.314 | AV   |
| 2  |      |      | 2483.500        | 53.893                 | 15.418               | -0.107          | 54.000         | 38.475 | AV   |



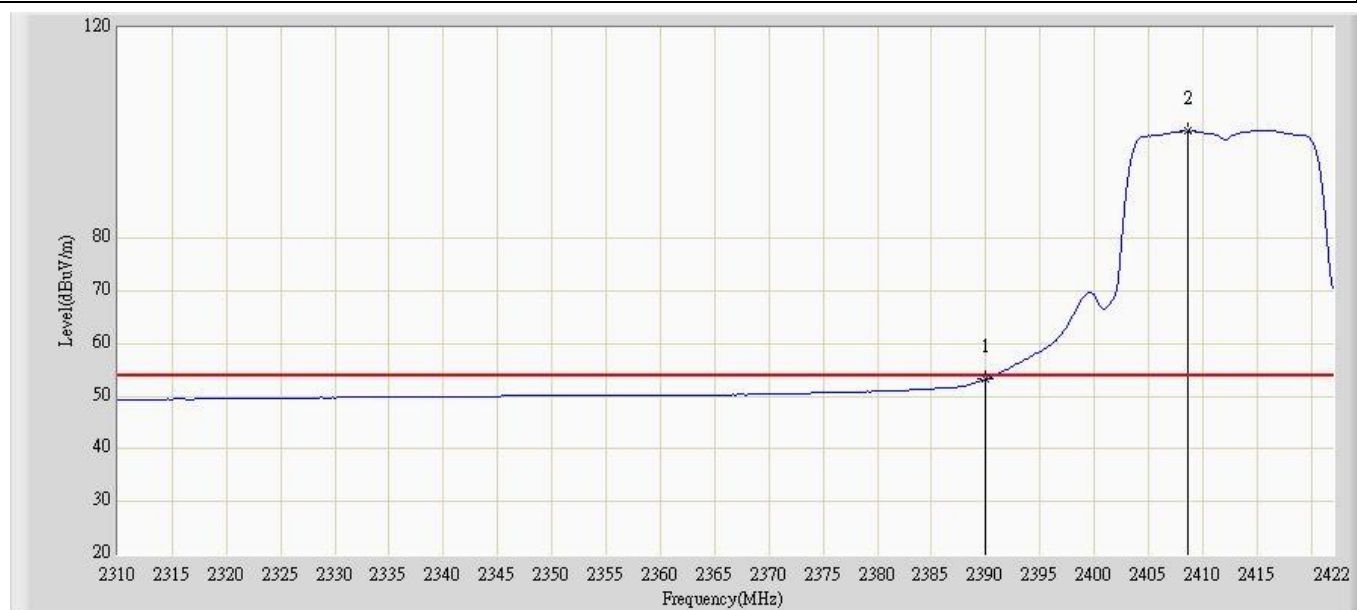
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|-----------------------------------------------------------|-------------------------|
| Site: AC103                                               | Time: 2015/12/02- 13:48 |
| Limit: FCC_Part15.209_RE(3m)                              | Margin: 0               |
| Probe: 2.4G-Bandedge                                      | Polarity: Vertical      |
| EUT: Wireless N VDSL2 4-ports Gateway                     | Power: AC 120V/60Hz     |
| Note: Mode2: Transmit at Channel 2412MHz by 802.11g Ant 2 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      |      | 2390.000        | 72.748                 | 35.761               | -1.252          | 74.000         | 36.988 | PK   |
| 2  |      | *    | 2416.680        | 114.295                | 77.176               | N/A             | N/A            | 37.119 | PK   |



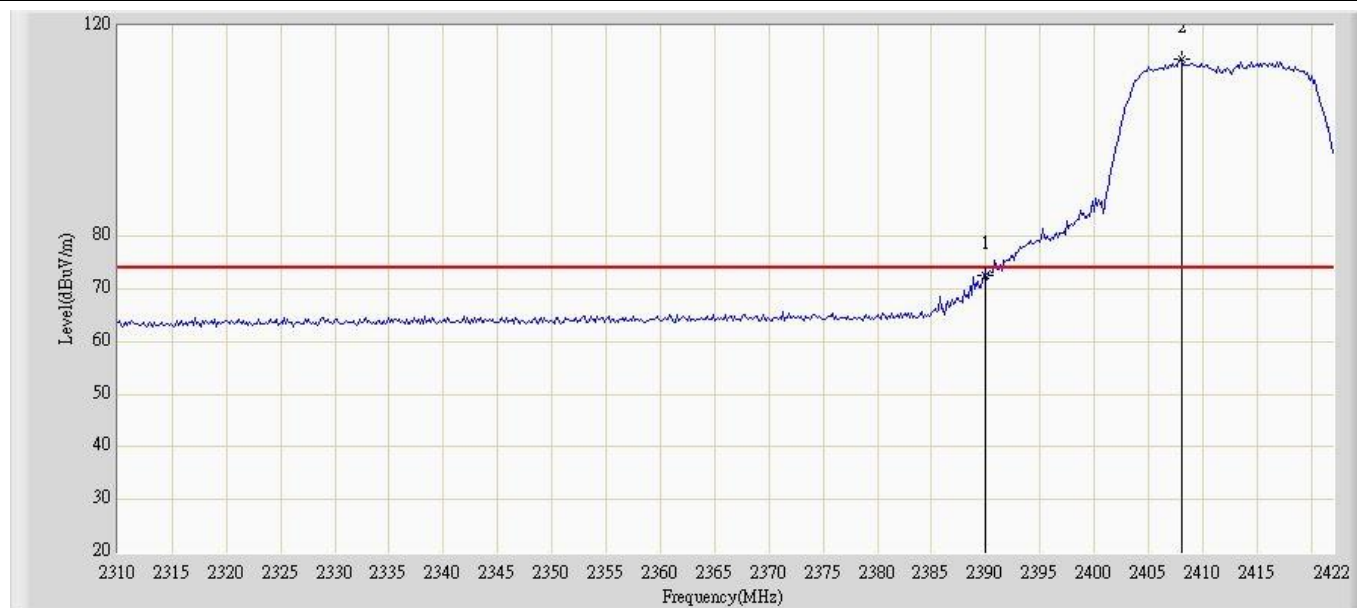
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|-----------------------------------------------------------|-------------------------|
| Site: AC103                                               | Time: 2015/12/02- 13:51 |
| Limit: FCC_Part15.209_RE(3m)                              | Margin: 0               |
| Probe: 2.4G-Bandedge                                      | Polarity: Vertical      |
| EUT: Wireless N VDSL2 4-ports Gateway                     | Power: AC 120V/60Hz     |
| Note: Mode2: Transmit at Channel 2412MHz by 802.11g Ant 2 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      |      | 2390.000        | 53.252                 | 16.265               | -0.748          | 54.000         | 36.988 | AV   |
| 2  |      | *    | 2408.560        | 100.371                | 63.291               | N/A             | N/A            | 37.080 | AV   |



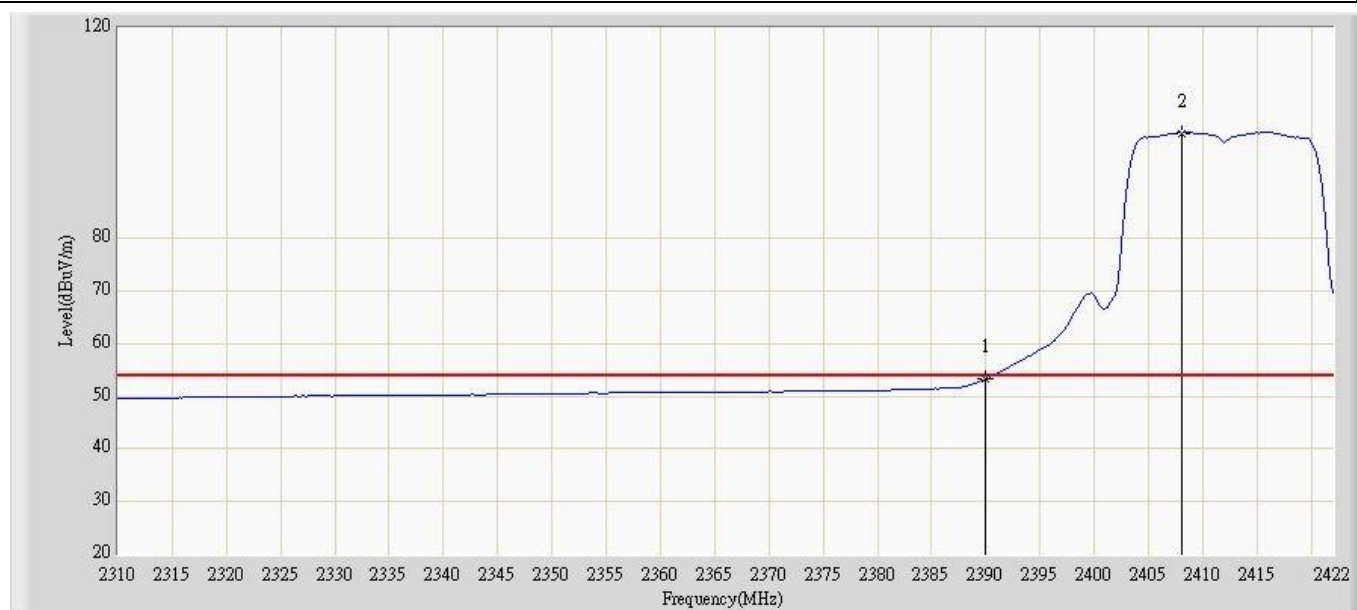
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|-----------------------------------------------------------|-------------------------|
| Site: AC103                                               | Time: 2015/12/02- 13:51 |
| Limit: FCC_Part15.209_RE(3m)                              | Margin: 0               |
| Probe: 2.4G-Bandedge                                      | Polarity: Horizontal    |
| EUT: Wireless N VDSL2 4-ports Gateway                     | Power: AC 120V/60Hz     |
| Note: Mode2: Transmit at Channel 2412MHz by 802.11g Ant 2 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      |      | 2390.000        | 72.729                 | 35.082               | -1.271          | 74.000         | 37.648 | PK   |
| 2  |      | *    | 2408.000        | 113.563                | 75.754               | N/A             | N/A            | 37.809 | PK   |



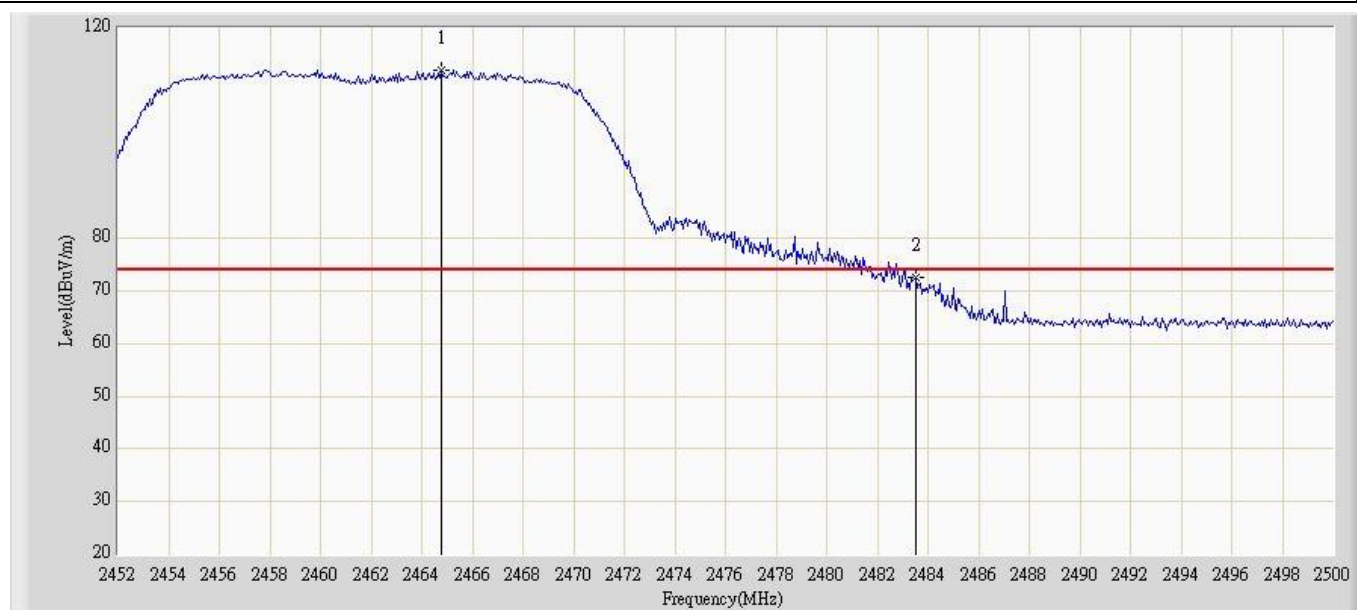
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|-----------------------------------------------------------|-------------------------|
| Site: AC103                                               | Time: 2015/12/02- 14:00 |
| Limit: FCC_Part15.209_RE(3m)                              | Margin: 0               |
| Probe: 2.4G-Bandedge                                      | Polarity: Horizontal    |
| EUT: Wireless N VDSL2 4-ports Gateway                     | Power: AC 120V/60Hz     |
| Note: Mode2: Transmit at Channel 2412MHz by 802.11g Ant 2 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      |      | 2390.000        | 53.294                 | 15.647               | -0.706          | 54.000         | 37.648 | AV   |
| 2  |      | *    | 2408.000        | 99.986                 | 62.177               | N/A             | N/A            | 37.809 | AV   |



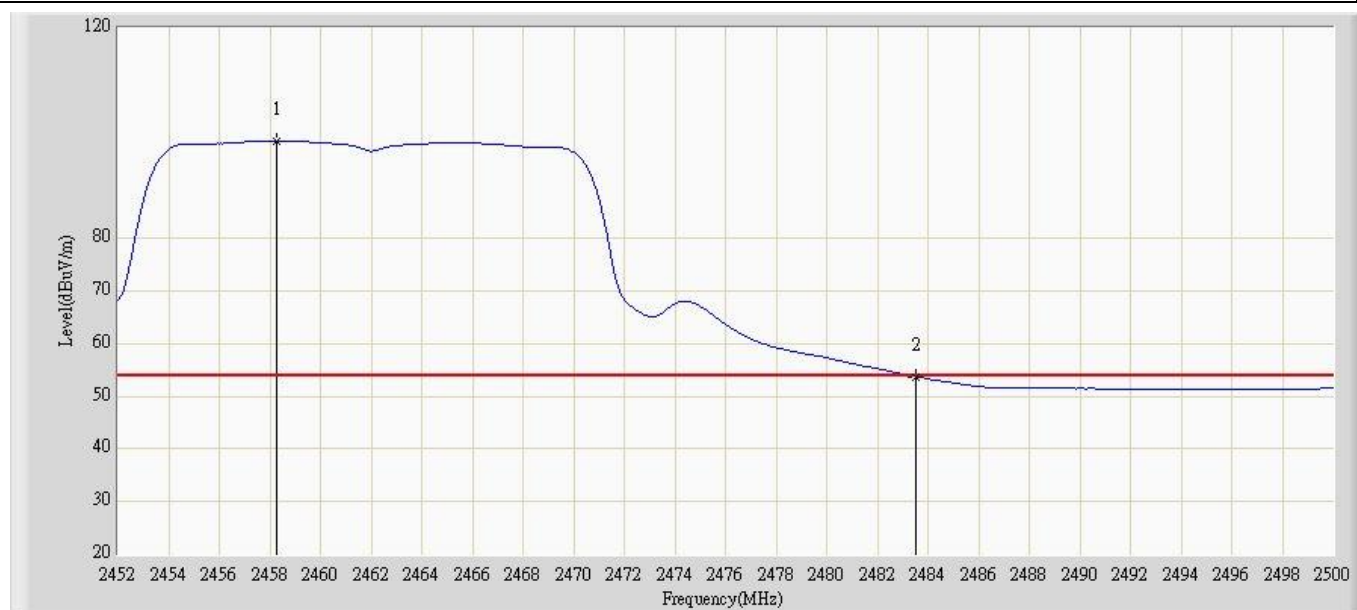
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|-----------------------------------------------------------|-------------------------|
| Site: AC103                                               | Time: 2015/12/02- 14:01 |
| Limit: FCC_Part15.209_RE(3m)                              | Margin: 0               |
| Probe: 2.4G-Bandedge                                      | Polarity: Vertical      |
| EUT: Wireless N VDSL2 4-ports Gateway                     | Power: AC 120V/60Hz     |
| Note: Mode2: Transmit at Channel 2462MHz by 802.11g Ant 2 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      | *    | 2464.780        | 112.073                | 74.723               | N/A             | N/A            | 37.350 | PK   |
| 2  |      |      | 2483.500        | 72.589                 | 35.148               | -1.411          | 74.000         | 37.441 | PK   |



|                                                           |                         |
|-----------------------------------------------------------|-------------------------|
| Site: AC103                                               | Time: 2015/12/02- 14:02 |
| Limit: FCC_Part15.209_RE(3m)                              | Margin: 0               |
| Probe: 2.4G-Bandedge                                      | Polarity: Vertical      |
| EUT: Wireless N VDSL2 4-ports Gateway                     | Power: AC 120V/60Hz     |
| Note: Mode2: Transmit at Channel 2462MHz by 802.11g Ant 2 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      | *    | 2458.240        | 98.554                 | 61.235               | N/A             | N/A            | 37.319 | AV   |
| 2  |      |      | 2483.500        | 53.747                 | 16.306               | -0.253          | 54.000         | 37.441 | AV   |





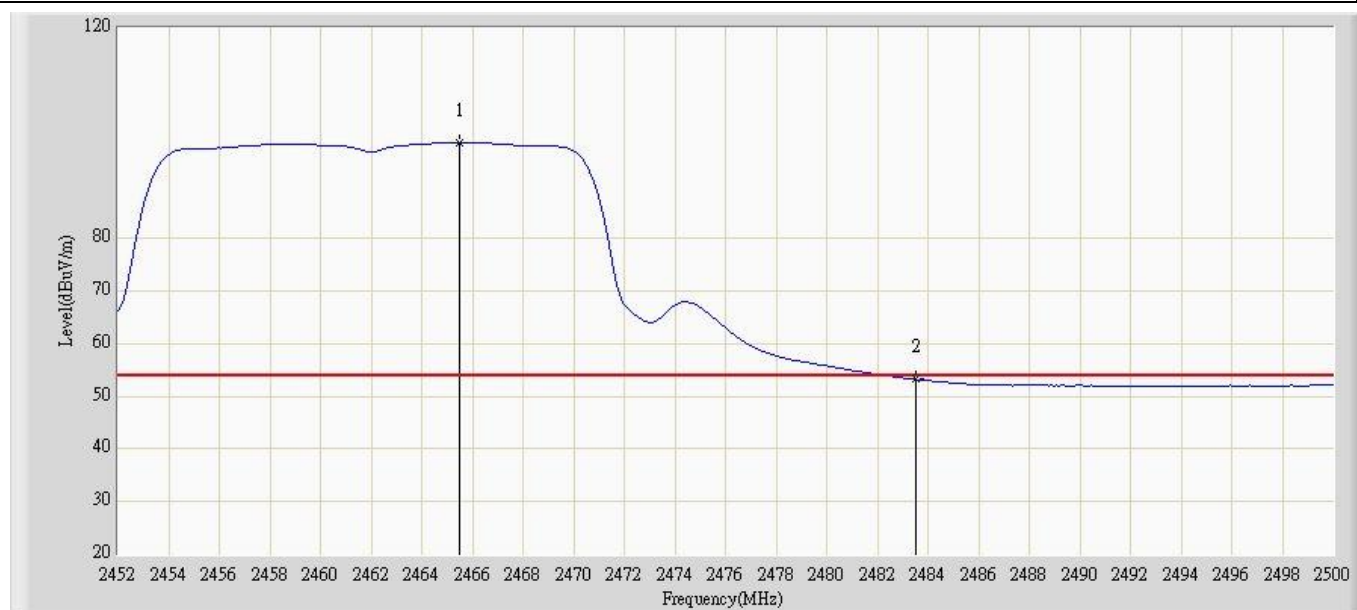
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|-----------------------------------------------------------|-------------------------|
| Site: AC103                                               | Time: 2015/12/02- 14:04 |
| Limit: FCC_Part15.209_RE(3m)                              | Margin: 0               |
| Probe: 2.4G-Bandedge                                      | Polarity: Horizontal    |
| EUT: Wireless N VDSL2 4-ports Gateway                     | Power: AC 120V/60Hz     |
| Note: Mode2: Transmit at Channel 2462MHz by 802.11g Ant 2 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      | *    | 2459.092        | 110.327                | 72.068               | N/A             | N/A            | 38.259 | PK   |
| 2  |      |      | 2483.500        | 69.347                 | 30.872               | -4.653          | 74.000         | 38.475 | PK   |



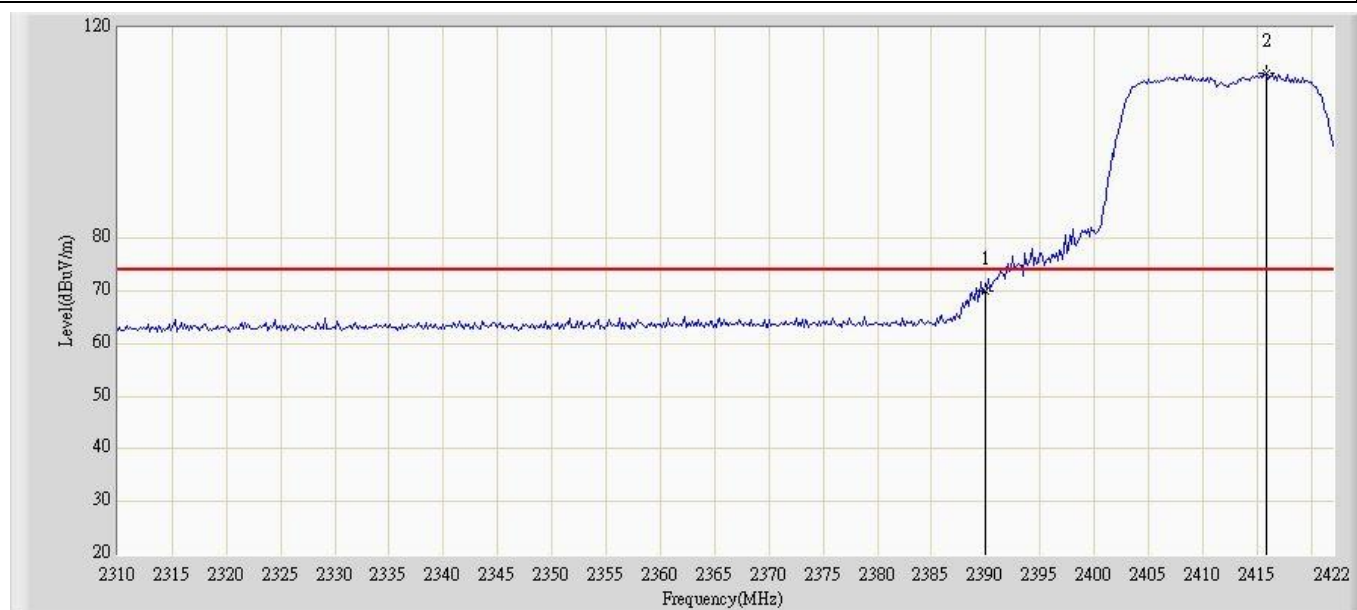
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|-----------------------------------------------------------|-------------------------|
| Site: AC103                                               | Time: 2015/12/02- 14:05 |
| Limit: FCC_Part15.209_RE(3m)                              | Margin: 0               |
| Probe: 2.4G-Bandedge                                      | Polarity: Horizontal    |
| EUT: Wireless N VDSL2 4-ports Gateway                     | Power: AC 120V/60Hz     |
| Note: Mode2: Transmit at Channel 2462MHz by 802.11g Ant 2 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      | *    | 2465.500        | 98.253                 | 59.937               | N/A             | N/A            | 38.316 | AV   |
| 2  |      |      | 2483.500        | 53.252                 | 14.777               | -0.748          | 54.000         | 38.475 | AV   |



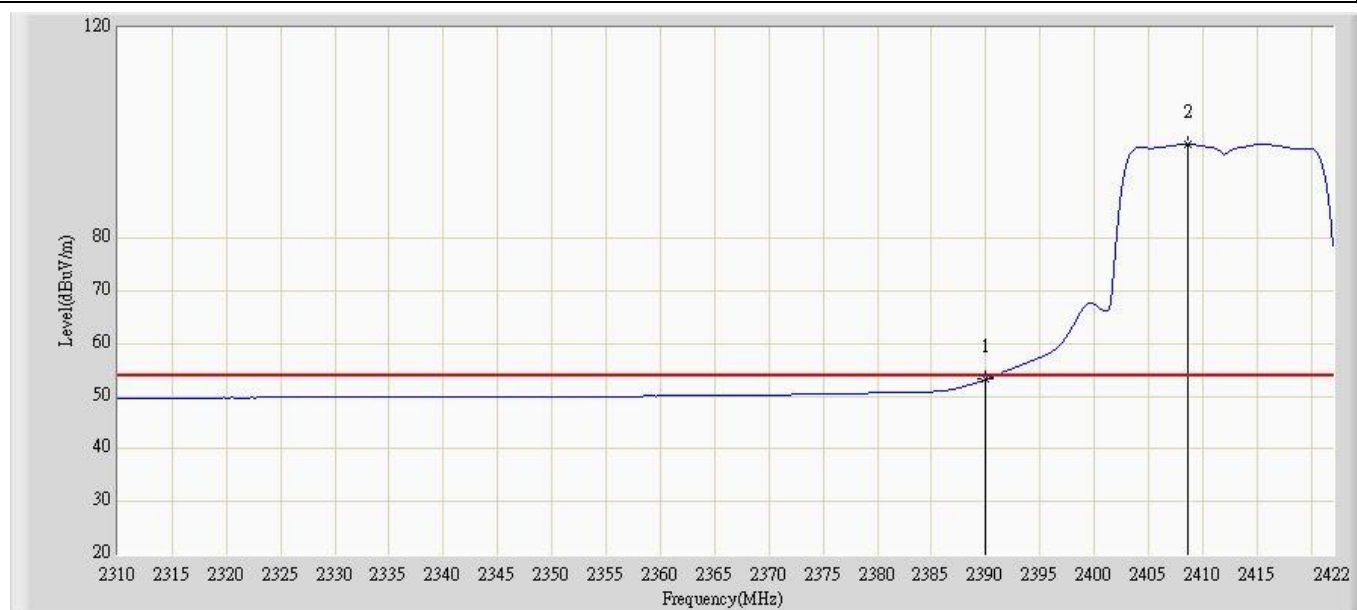
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|-------------------------------------------------------------|-------------------------|
| Site: AC103                                                 | Time: 2015/12/02- 14:06 |
| Limit: FCC_Part15.209_RE(3m)                                | Margin: 0               |
| Probe: 2.4G-Bandedge                                        | Polarity: Vertical      |
| EUT: Wireless N VDSL2 4-ports Gateway                       | Power: AC 120V/60Hz     |
| Note: Mode3: Transmit at Channel 2412MHz by 802.11n20 Ant 1 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      |      | 2390.000        | 70.129                 | 33.142               | -3.871          | 74.000         | 36.988 | PK   |
| 2  |      | *    | 2415.840        | 111.481                | 74.366               | N/A             | N/A            | 37.115 | PK   |



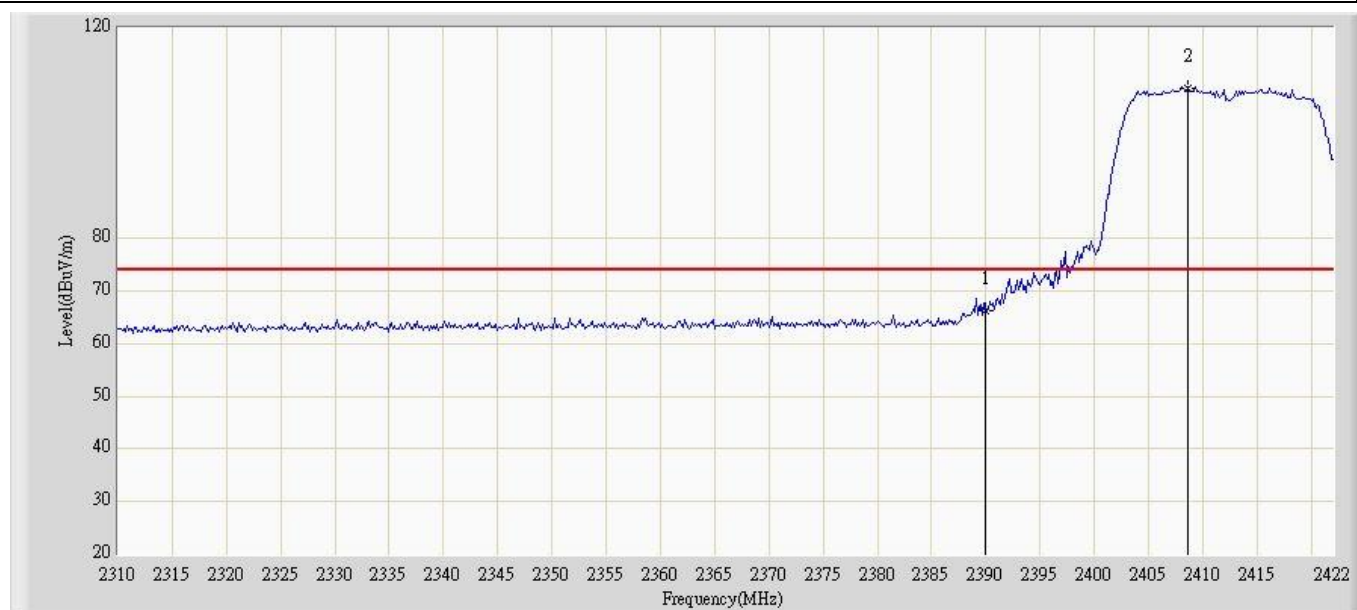
|                                                             |                         |
|-------------------------------------------------------------|-------------------------|
| Site: AC103                                                 | Time: 2015/12/02- 14:09 |
| Limit: FCC_Part15.209_RE(3m)                                | Margin: 0               |
| Probe: 2.4G-Bandedge                                        | Polarity: Vertical      |
| EUT: Wireless N VDSL2 4-ports Gateway                       | Power: AC 120V/60Hz     |
| Note: Mode3: Transmit at Channel 2412MHz by 802.11n20 Ant 1 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      |      | 2390.000        | 53.258                 | 16.271               | -0.742          | 54.000         | 36.988 | AV   |
| 2  |      | *    | 2408.560        | 97.882                 | 60.802               | N/A             | N/A            | 37.080 | AV   |



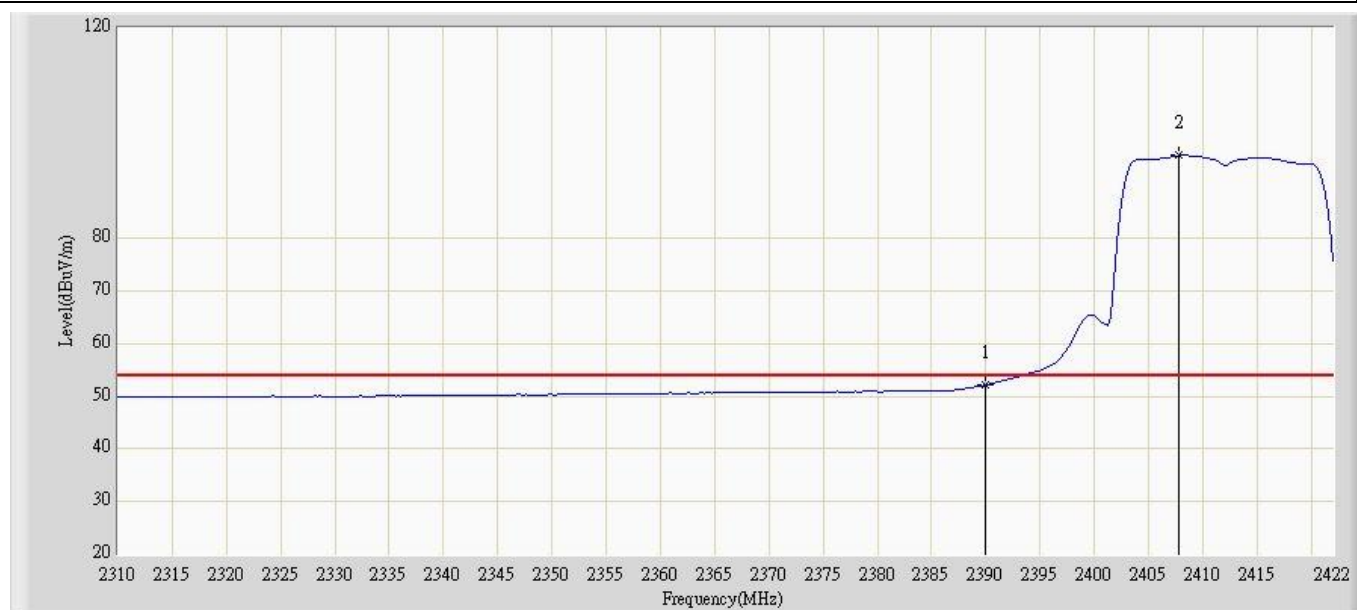
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|-------------------------------------------------------------|-------------------------|
| Site: AC103                                                 | Time: 2015/12/02- 14:10 |
| Limit: FCC_Part15.209_RE(3m)                                | Margin: 0               |
| Probe: 2.4G-Bandedge                                        | Polarity: Horizontal    |
| EUT: Wireless N VDSL2 4-ports Gateway                       | Power: AC 120V/60Hz     |
| Note: Mode3: Transmit at Channel 2412MHz by 802.11n20 Ant 1 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      |      | 2390.000        | 66.227                 | 28.580               | -7.773          | 74.000         | 37.648 | PK   |
| 2  |      | *    | 2408.588        | 108.626                | 70.812               | N/A             | N/A            | 37.815 | PK   |



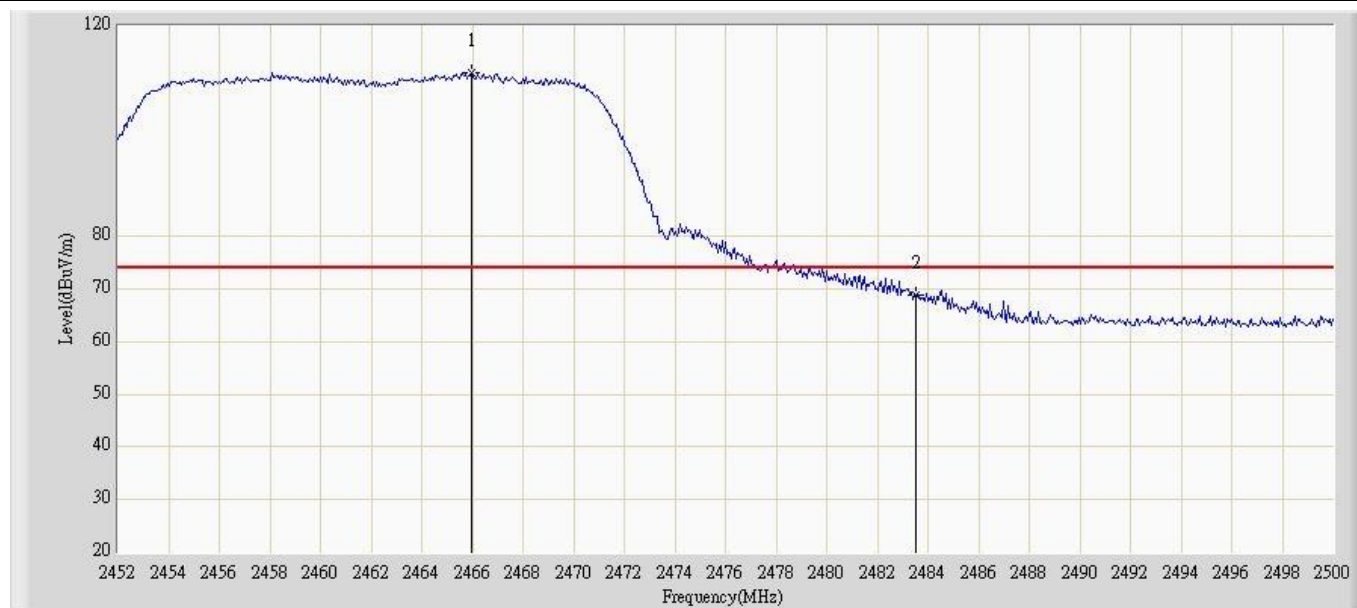
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|-------------------------------------------------------------|-------------------------|
| Site: AC103                                                 | Time: 2015/12/02- 14:11 |
| Limit: FCC_Part15.209_RE(3m)                                | Margin: 0               |
| Probe: 2.4G-Bandedge                                        | Polarity: Horizontal    |
| EUT: Wireless N VDSL2 4-ports Gateway                       | Power: AC 120V/60Hz     |
| Note: Mode3: Transmit at Channel 2412MHz by 802.11n20 Ant 1 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      |      | 2390.000        | 52.185                 | 14.538               | -1.815          | 54.000         | 37.648 | AV   |
| 2  |      | *    | 2407.860        | 95.768                 | 57.960               | N/A             | N/A            | 37.808 | AV   |



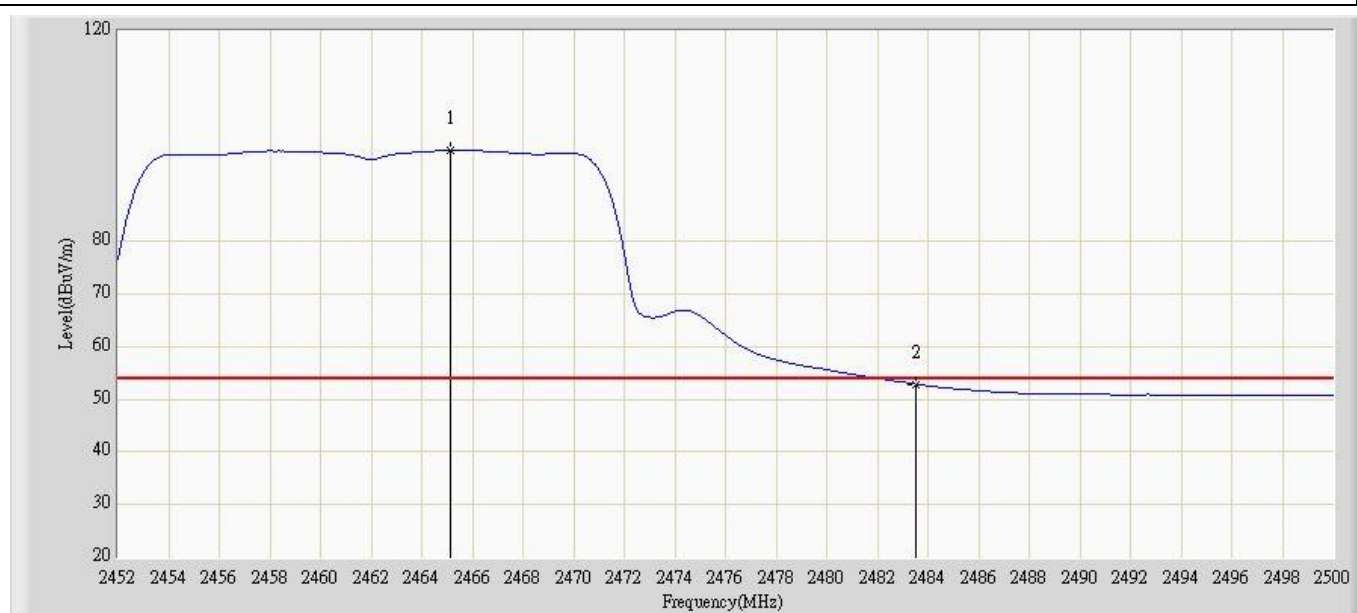
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|-------------------------------------------------------------|-------------------------|
| Site: AC103                                                 | Time: 2015/12/02- 14:12 |
| Limit: FCC_Part15.209_RE(3m)                                | Margin: 0               |
| Probe: 2.4G-Bandedge                                        | Polarity: Vertical      |
| EUT: Wireless N VDSL2 4-ports Gateway                       | Power: AC 120V/60Hz     |
| Note: Mode3: Transmit at Channel 2462MHz by 802.11n20 Ant 1 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      | *    | 2465.980        | 110.962                | 73.606               | N/A             | N/A            | 37.356 | PK   |
| 2  |      |      | 2483.500        | 68.798                 | 31.357               | -5.202          | 74.000         | 37.441 | PK   |



|                                                             |                         |
|-------------------------------------------------------------|-------------------------|
| Site: AC103                                                 | Time: 2015/12/02- 14:14 |
| Limit: FCC_Part15.209_RE(3m)                                | Margin: 0               |
| Probe: 2.4G-Bandedge                                        | Polarity: Vertical      |
| EUT: Wireless N VDSL2 4-ports Gateway                       | Power: AC 120V/60Hz     |
| Note: Mode3: Transmit at Channel 2462MHz by 802.11n20 Ant 1 |                         |

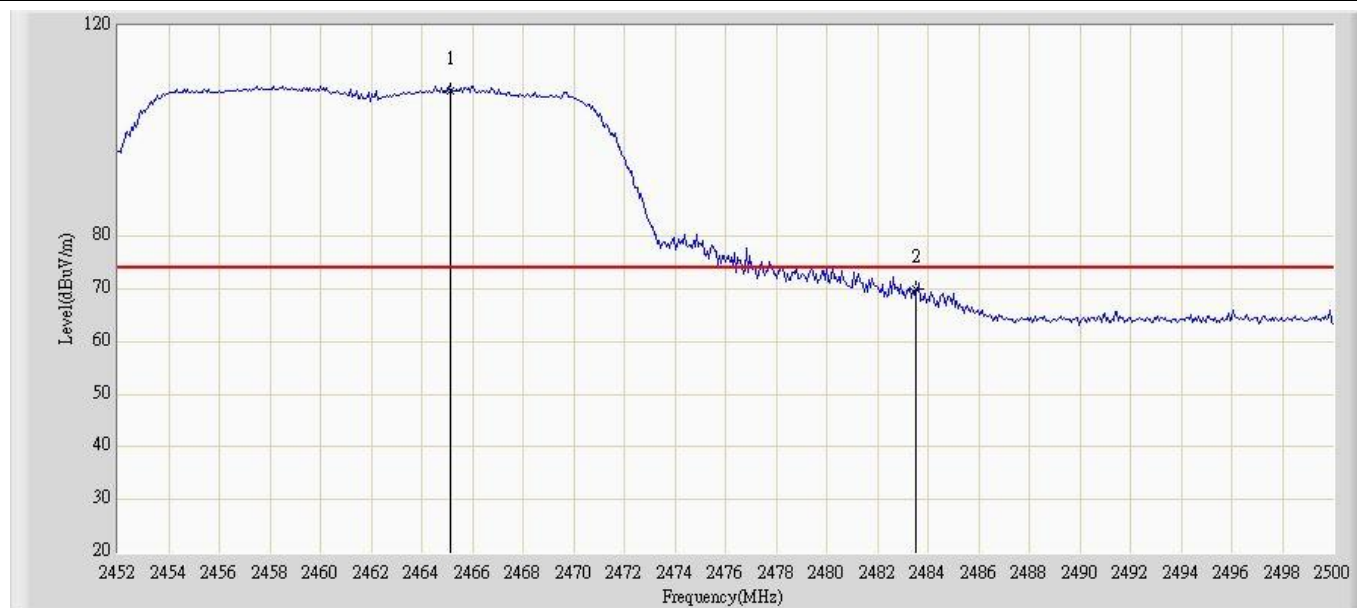


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      | *    | 2465.140        | 97.254                 | 59.902               | N/A             | N/A            | 37.352 | AV   |
| 2  |      |      | 2483.500        | 52.885                 | 15.444               | -1.115          | 54.000         | 37.441 | AV   |





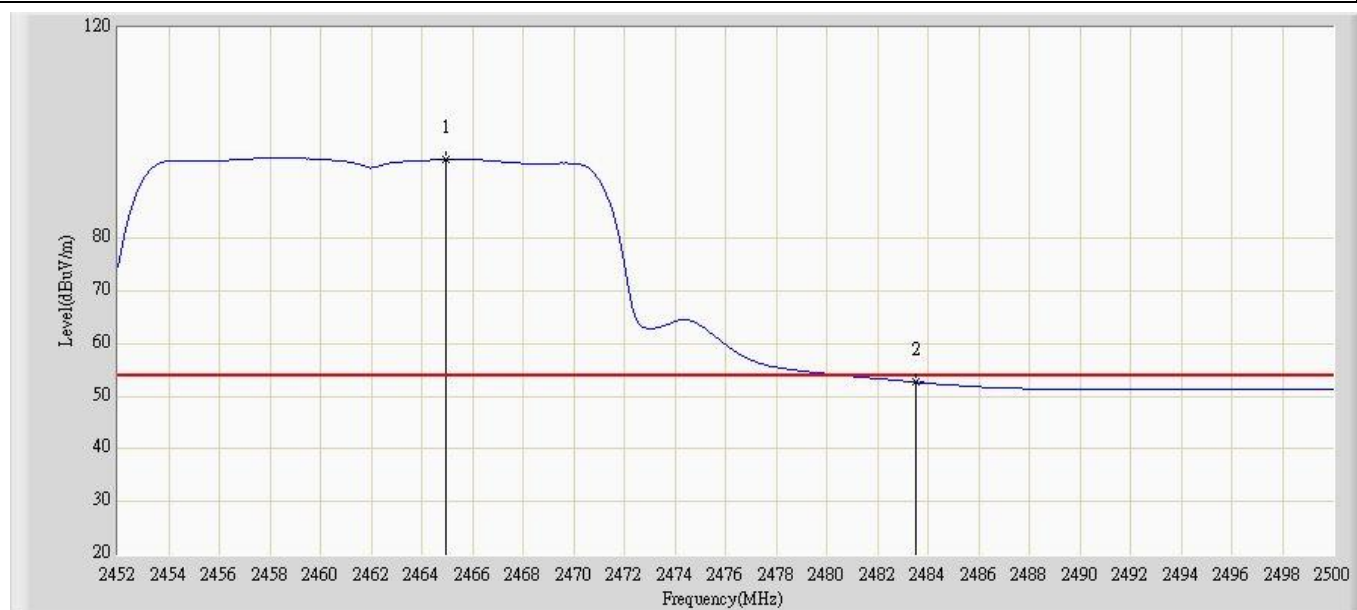
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|-------------------------------------------------------------|-------------------------|
| Site: AC103                                                 | Time: 2015/12/02- 14:15 |
| Limit: FCC_Part15.209_RE(3m)                                | Margin: 0               |
| Probe: 2.4G-Bandedge                                        | Polarity: Horizontal    |
| EUT: Wireless N VDSL2 4-ports Gateway                       | Power: AC 120V/60Hz     |
| Note: Mode3: Transmit at Channel 2462MHz by 802.11n20 Ant 1 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      | *    | 2465.138        | 107.585                | 69.272               | N/A             | N/A            | 38.313 | PK   |
| 2  |      |      | 2483.500        | 69.951                 | 31.476               | -4.049          | 74.000         | 38.475 | PK   |



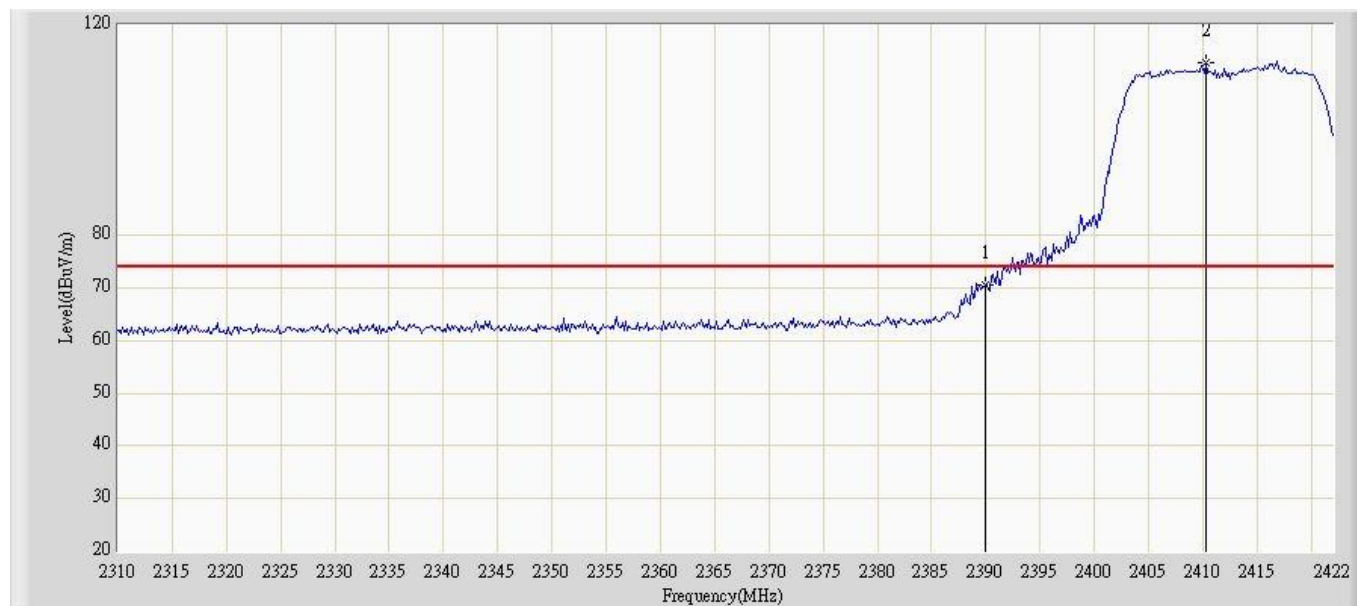
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|-------------------------------------------------------------|-------------------------|
| Site: AC103                                                 | Time: 2015/12/02- 14:17 |
| Limit: FCC_Part15.209_RE(3m)                                | Margin: 0               |
| Probe: 2.4G-Bandedge                                        | Polarity: Horizontal    |
| EUT: Wireless N VDSL2 4-ports Gateway                       | Power: AC 120V/60Hz     |
| Note: Mode3: Transmit at Channel 2462MHz by 802.11n20 Ant 1 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      | *    | 2464.960        | 95.022                 | 56.711               | N/A             | N/A            | 38.311 | AV   |
| 2  |      |      | 2483.500        | 52.683                 | 14.208               | -1.317          | 54.000         | 38.475 | AV   |



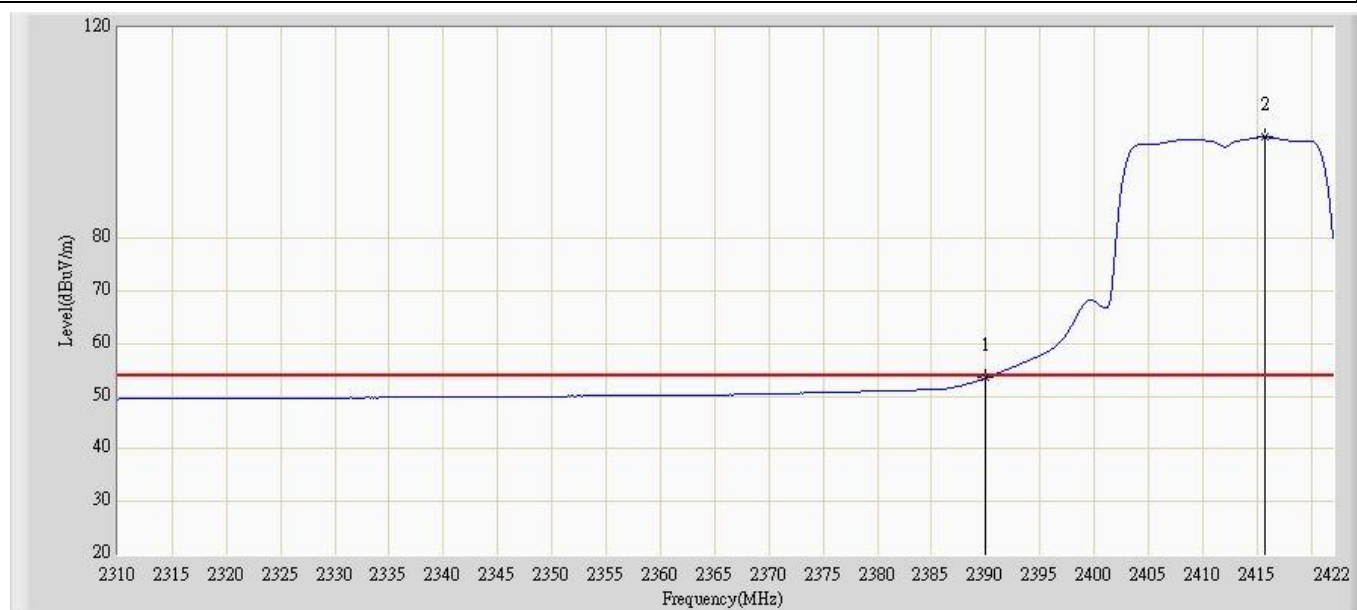
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|-------------------------------------------------------------|-------------------------|
| Site: AC103                                                 | Time: 2015/12/02- 14:17 |
| Limit: FCC_Part15.209_RE(3m)                                | Margin: 0               |
| Probe: 2.4G-Bandedge                                        | Polarity: Vertical      |
| EUT: Wireless N VDSL2 4-ports Gateway                       | Power: AC 120V/60Hz     |
| Note: Mode3: Transmit at Channel 2412MHz by 802.11n20 Ant 2 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      |      | 2390.000        | 70.530                 | 33.543               | -3.470          | 74.000         | 36.988 | PK   |
| 2  |      | *    | 2410.240        | 112.768                | 75.680               | N/A             | N/A            | 37.088 | PK   |



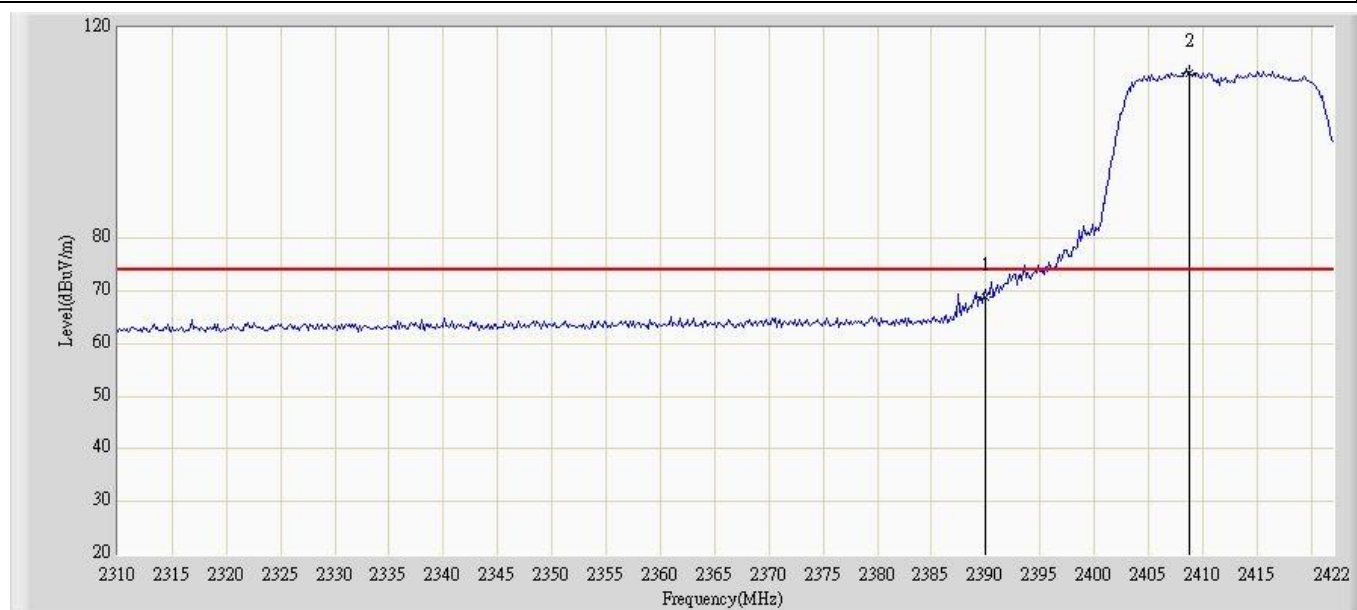
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|-------------------------------------------------------------|-------------------------|
| Site: AC103                                                 | Time: 2015/12/02- 14:19 |
| Limit: FCC_Part15.209_RE(3m)                                | Margin: 0               |
| Probe: 2.4G-Bandedge                                        | Polarity: Vertical      |
| EUT: Wireless N VDSL2 4-ports Gateway                       | Power: AC 120V/60Hz     |
| Note: Mode3: Transmit at Channel 2412MHz by 802.11n20 Ant 2 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      |      | 2390.000        | 53.513                 | 16.526               | -0.487          | 54.000         | 36.988 | AV   |
| 2  |      | *    | 2415.700        | 99.217                 | 62.102               | N/A             | N/A            | 37.115 | AV   |



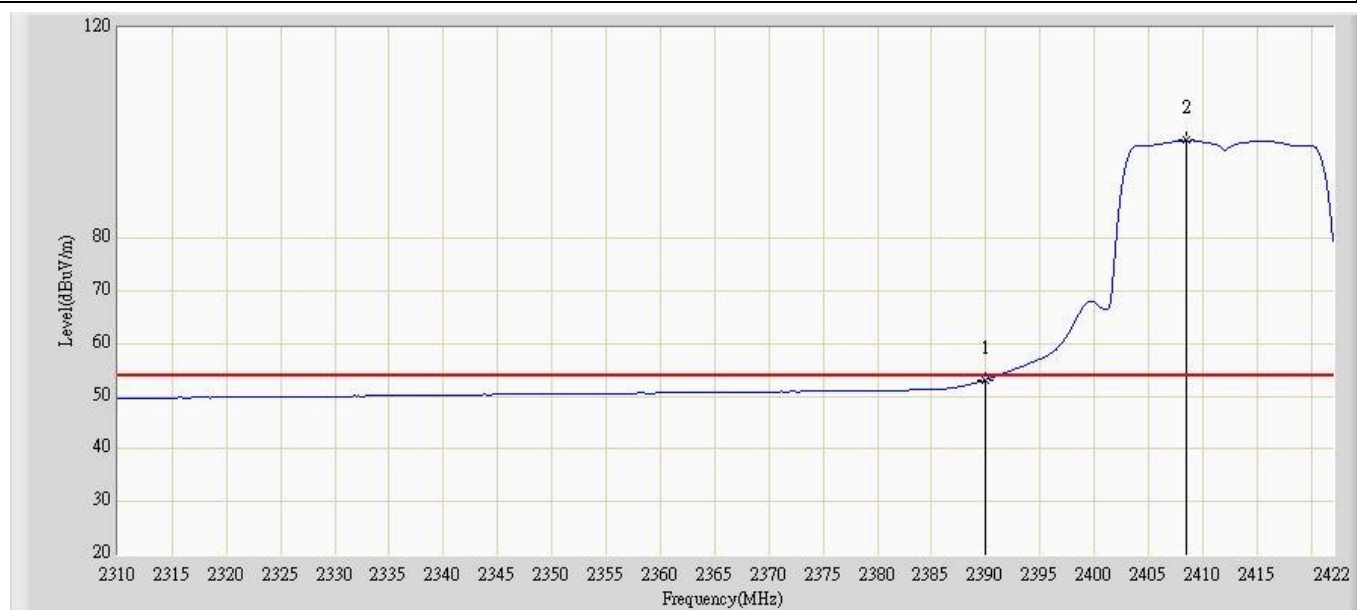
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|-------------------------------------------------------------|-------------------------|
| Site: AC103                                                 | Time: 2015/12/02- 14:20 |
| Limit: FCC_Part15.209_RE(3m)                                | Margin: 0               |
| Probe: 2.4G-Bandedge                                        | Polarity: Horizontal    |
| EUT: Wireless N VDSL2 4-ports Gateway                       | Power: AC 120V/60Hz     |
| Note: Mode3: Transmit at Channel 2412MHz by 802.11n20 Ant 2 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      |      | 2390.000        | 68.841                 | 31.194               | -5.159          | 74.000         | 37.648 | PK   |
| 2  |      | *    | 2408.762        | 111.442                | 73.626               | N/A             | N/A            | 37.816 | PK   |



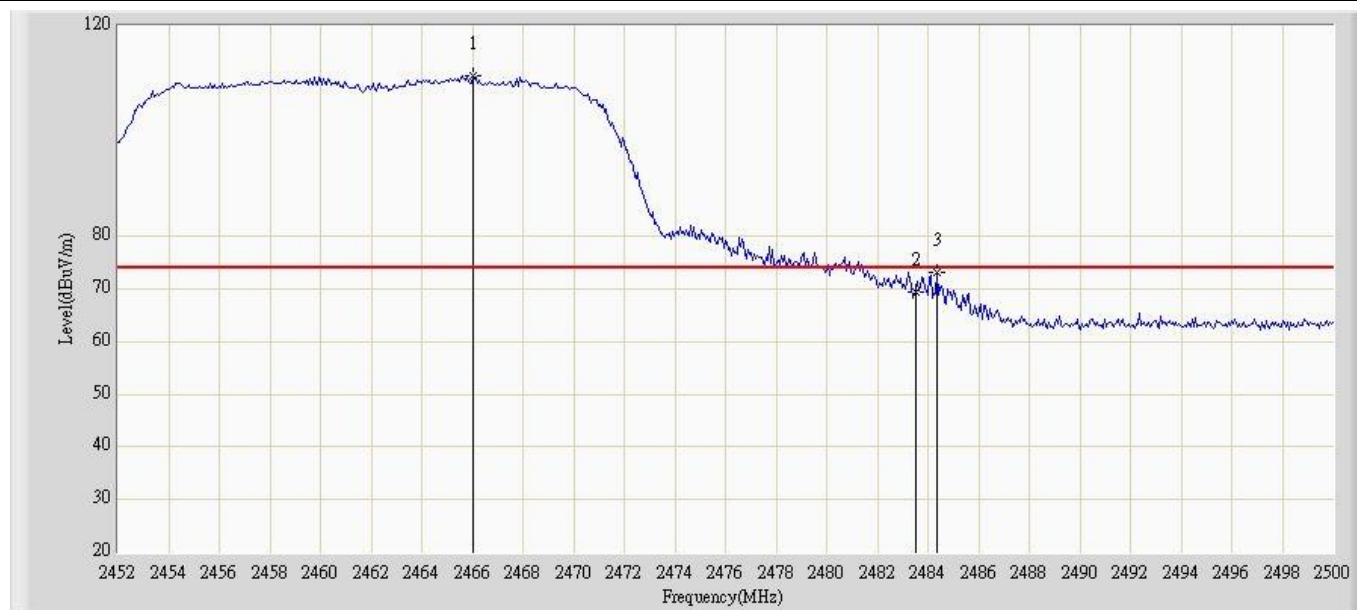
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|-------------------------------------------------------------|-------------------------|
| Site: AC103                                                 | Time: 2015/12/02- 14:22 |
| Limit: FCC_Part15.209_RE(3m)                                | Margin: 0               |
| Probe: 2.4G-Bandedge                                        | Polarity: Horizontal    |
| EUT: Wireless N VDSL2 4-ports Gateway                       | Power: AC 120V/60Hz     |
| Note: Mode3: Transmit at Channel 2412MHz by 802.11n20 Ant 2 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      |      | 2390.000        | 53.143                 | 15.496               | -0.857          | 54.000         | 37.648 | AV   |
| 2  |      | *    | 2408.420        | 98.627                 | 60.814               | N/A             | N/A            | 37.813 | AV   |



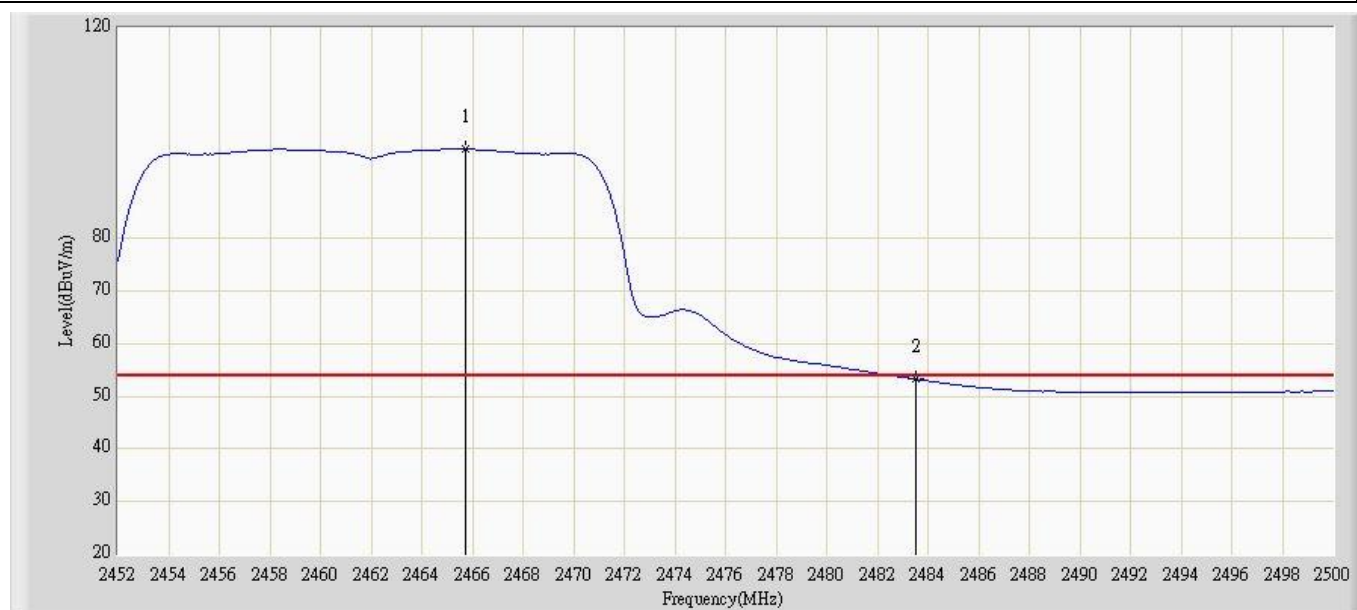
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|-------------------------------------------------------------|-------------------------|
| Site: AC103                                                 | Time: 2015/12/02- 14:23 |
| Limit: FCC_Part15.209_RE(3m)                                | Margin: 0               |
| Probe: 2.4G-Bandedge                                        | Polarity: Vertical      |
| EUT: Wireless N VDSL2 4-ports Gateway                       | Power: AC 120V/60Hz     |
| Note: Mode3: Transmit at Channel 2462MHz by 802.11n20 Ant 2 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      | *    | 2466.040        | 110.438                | 73.082               | N/A             | N/A            | 37.356 | PK   |
| 2  |      |      | 2483.500        | 69.501                 | 32.060               | -4.499          | 74.000         | 37.441 | PK   |
| 3  |      |      | 2484.340        | 73.207                 | 35.762               | -0.793          | 74.000         | 37.445 | PK   |



|                                                             |                         |
|-------------------------------------------------------------|-------------------------|
| Site: AC103                                                 | Time: 2015/12/02- 14:24 |
| Limit: FCC_Part15.209_RE(3m)                                | Margin: 0               |
| Probe: 2.4G-Bandedge                                        | Polarity: Vertical      |
| EUT: Wireless N VDSL2 4-ports Gateway                       | Power: AC 120V/60Hz     |
| Note: Mode3: Transmit at Channel 2462MHz by 802.11n20 Ant 2 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      | *    | 2465.740        | 96.951                 | 59.596               | N/A             | N/A            | 37.355 | AV   |
| 2  |      |      | 2483.500        | 53.272                 | 15.831               | -0.728          | 54.000         | 37.441 | AV   |





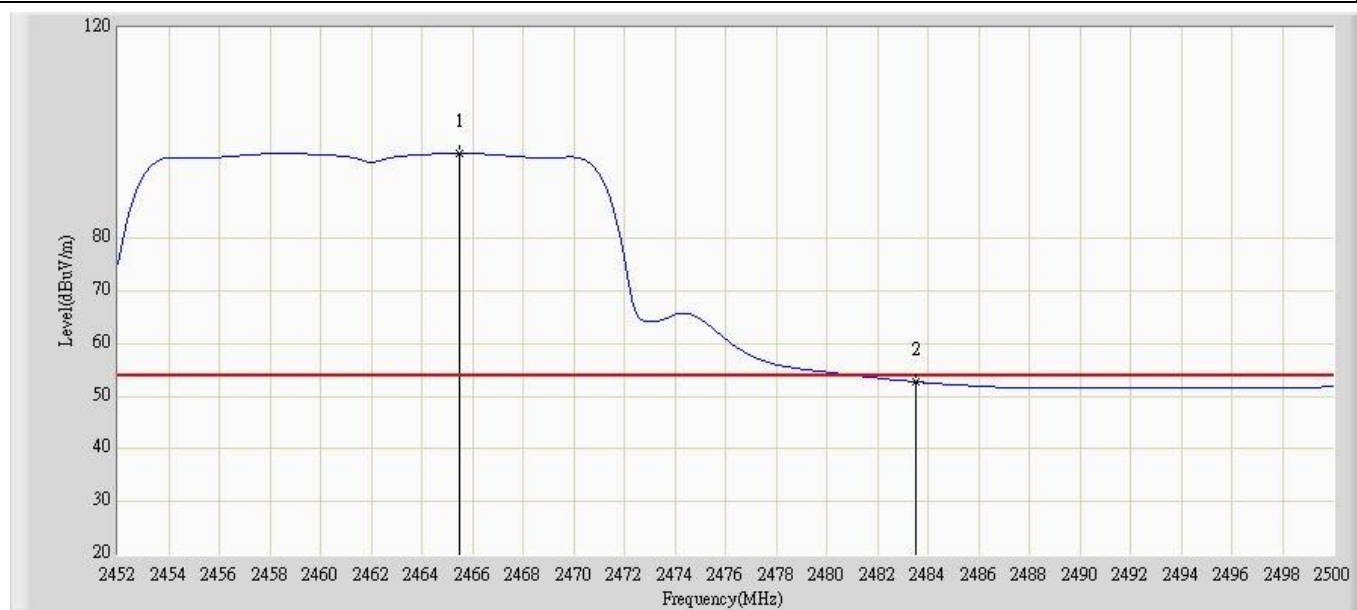
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|-------------------------------------------------------------|-------------------------|
| Site: AC103                                                 | Time: 2015/12/02- 14:26 |
| Limit: FCC_Part15.209_RE(3m)                                | Margin: 0               |
| Probe: 2.4G-Bandedge                                        | Polarity: Horizontal    |
| EUT: Wireless N VDSL2 4-ports Gateway                       | Power: AC 120V/60Hz     |
| Note: Mode3: Transmit at Channel 2462MHz by 802.11n20 Ant 2 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      | *    | 2465.736        | 109.443                | 71.125               | N/A             | N/A            | 38.318 | PK   |
| 2  |      |      | 2483.500        | 70.763                 | 32.288               | -3.237          | 74.000         | 38.475 | PK   |



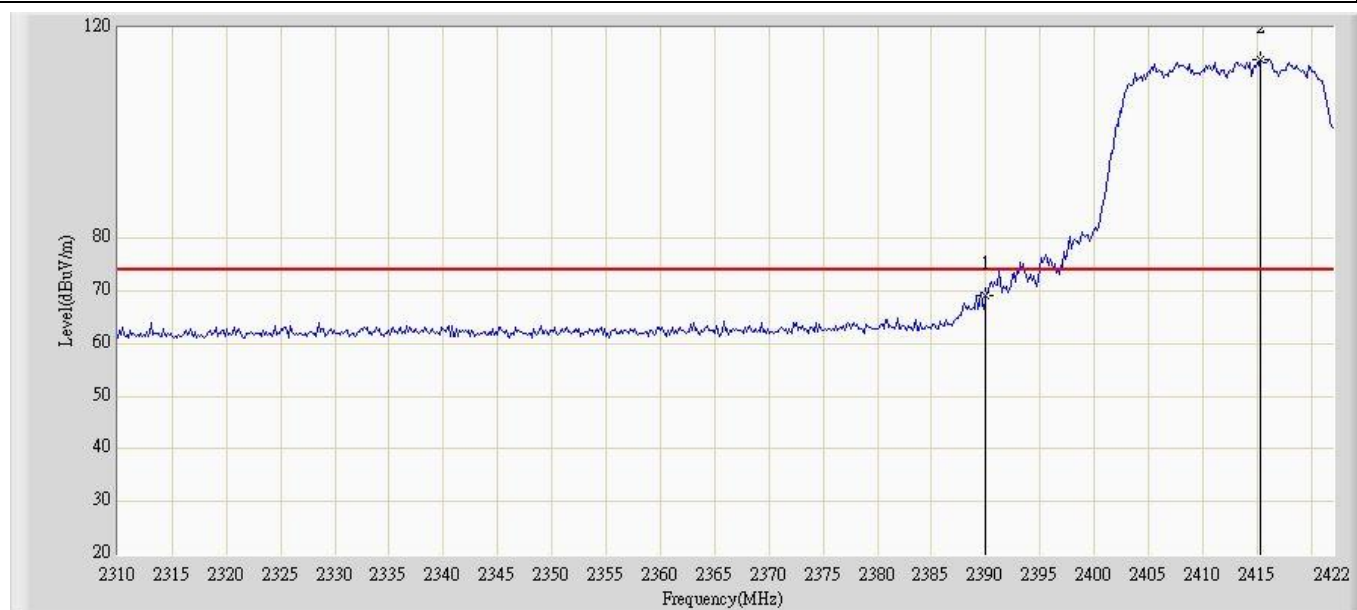
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|-------------------------------------------------------------|-------------------------|
| Site: AC103                                                 | Time: 2015/12/02- 14:27 |
| Limit: FCC_Part15.209_RE(3m)                                | Margin: 0               |
| Probe: 2.4G-Bandedge                                        | Polarity: Horizontal    |
| EUT: Wireless N VDSL2 4-ports Gateway                       | Power: AC 120V/60Hz     |
| Note: Mode3: Transmit at Channel 2462MHz by 802.11n20 Ant 2 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      | *    | 2465.500        | 96.172                 | 57.856               | N/A             | N/A            | 38.316 | AV   |
| 2  |      |      | 2483.500        | 52.784                 | 14.309               | -1.216          | 54.000         | 38.475 | AV   |



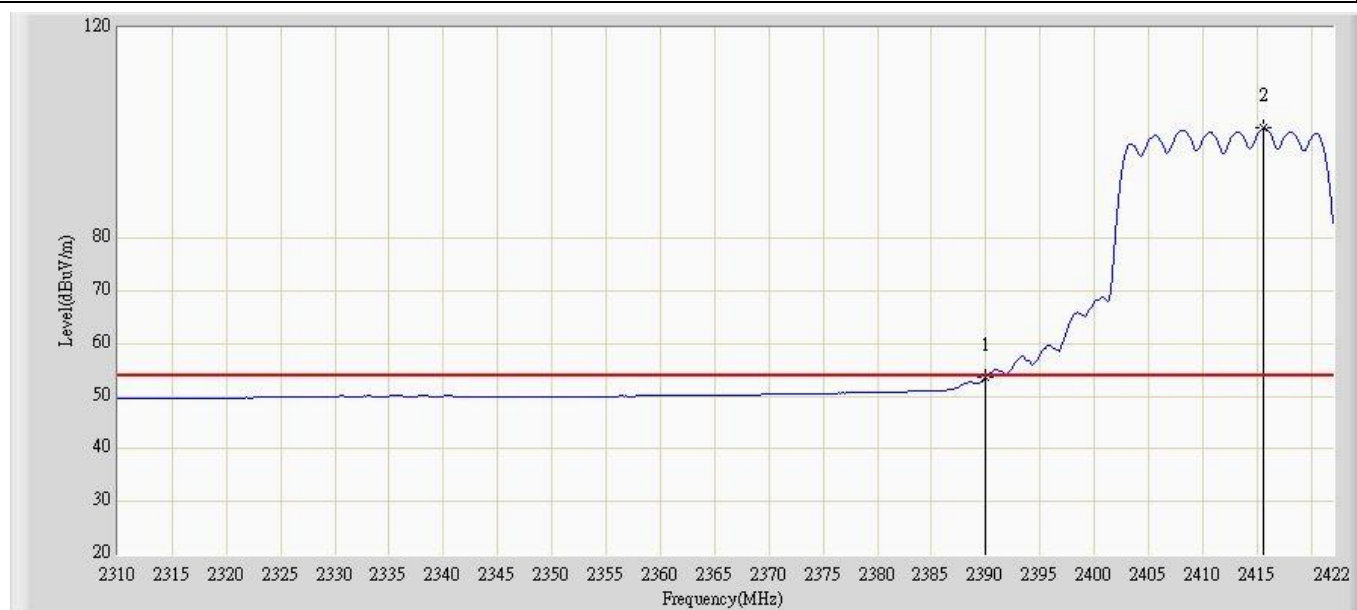
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|---------------------------------------------------------------|-------------------------|
| Site: AC103                                                   | Time: 2015/12/02- 14:27 |
| Limit: FCC_Part15.209_RE(3m)                                  | Margin: 0               |
| Probe: 2.4G-Bandedge                                          | Polarity: Vertical      |
| EUT: Wireless N VDSL2 4-ports Gateway                         | Power: AC 120V/60Hz     |
| Note: Mode3: Transmit at Channel 2412MHz by 802.11n20 Ant 1+2 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      |      | 2390.000        | 69.007                 | 32.020               | -4.993          | 74.000         | 36.988 | PK   |
| 2  |      | *    | 2415.280        | 114.019                | 76.906               | N/A             | N/A            | 37.112 | PK   |



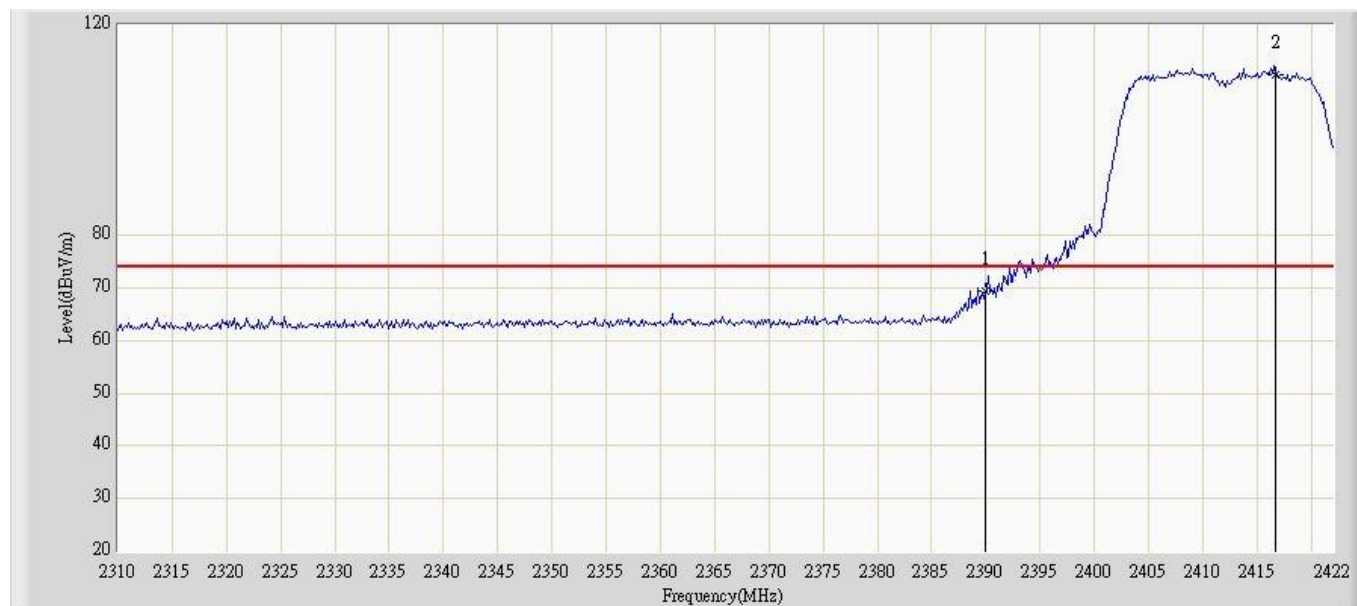
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|---------------------------------------------------------------|-------------------------|
| Site: AC103                                                   | Time: 2015/12/02- 14:29 |
| Limit: FCC_Part15.209_RE(3m)                                  | Margin: 0               |
| Probe: 2.4G-Bandedge                                          | Polarity: Vertical      |
| EUT: Wireless N VDSL2 4-ports Gateway                         | Power: AC 120V/60Hz     |
| Note: Mode3: Transmit at Channel 2412MHz by 802.11n20 Ant 1+2 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      |      | 2390.000        | 53.541                 | 16.554               | -0.459          | 54.000         | 36.988 | AV   |
| 2  |      | *    | 2415.560        | 100.975                | 63.861               | N/A             | N/A            | 37.114 | AV   |



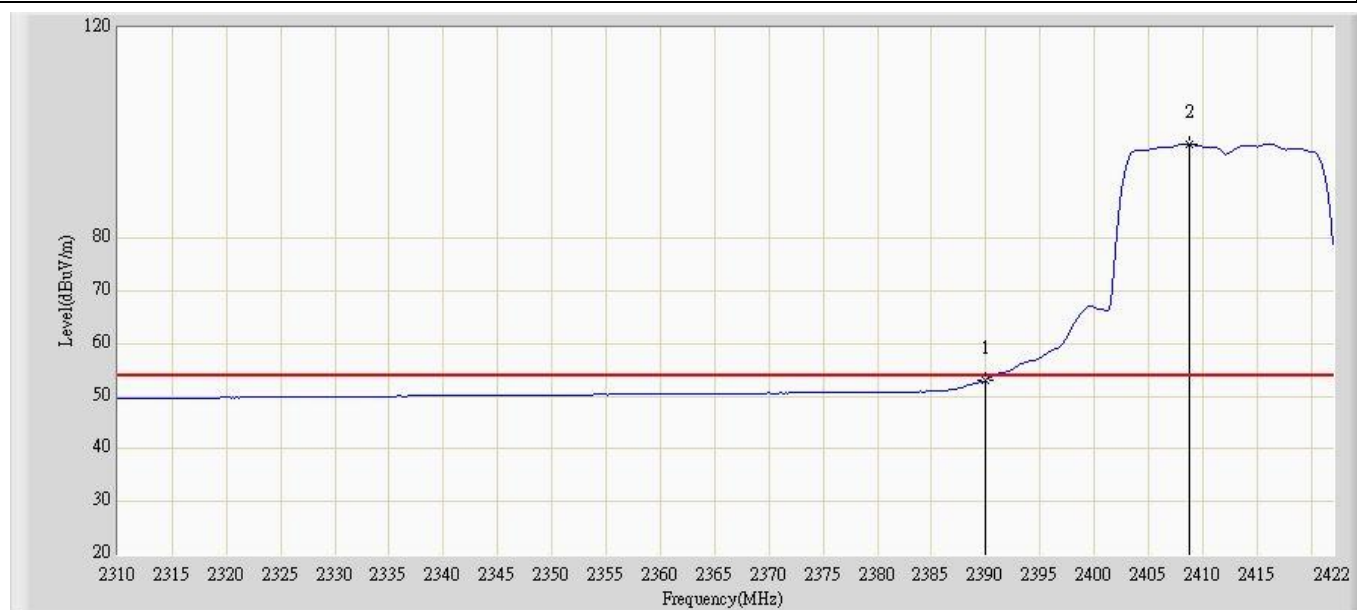
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|---------------------------------------------------------------|-------------------------|
| Site: AC103                                                   | Time: 2015/12/02- 14:30 |
| Limit: FCC_Part15.209_RE(3m)                                  | Margin: 0               |
| Probe: 2.4G-Bandedge                                          | Polarity: Horizontal    |
| EUT: Wireless N VDSL2 4-ports Gateway                         | Power: AC 120V/60Hz     |
| Note: Mode3: Transmit at Channel 2412MHz by 802.11n20 Ant 1+2 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      |      | 2390.000        | 69.379                 | 31.732               | -4.621          | 74.000         | 37.648 | PK   |
| 2  |      | *    | 2416.774        | 110.483                | 72.596               | N/A             | N/A            | 37.887 | PK   |



|                                                               |                         |
|---------------------------------------------------------------|-------------------------|
| Site: AC103                                                   | Time: 2015/12/02- 14:32 |
| Limit: FCC_Part15.209_RE(3m)                                  | Margin: 0               |
| Probe: 2.4G-Bandedge                                          | Polarity: Horizontal    |
| EUT: Wireless N VDSL2 4-ports Gateway                         | Power: AC 120V/60Hz     |
| Note: Mode3: Transmit at Channel 2412MHz by 802.11n20 Ant 1+2 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      |      | 2390.000        | 53.137                 | 15.490               | -0.863          | 54.000         | 37.648 | AV   |
| 2  |      | *    | 2408.700        | 97.959                 | 60.144               | N/A             | N/A            | 37.815 | AV   |



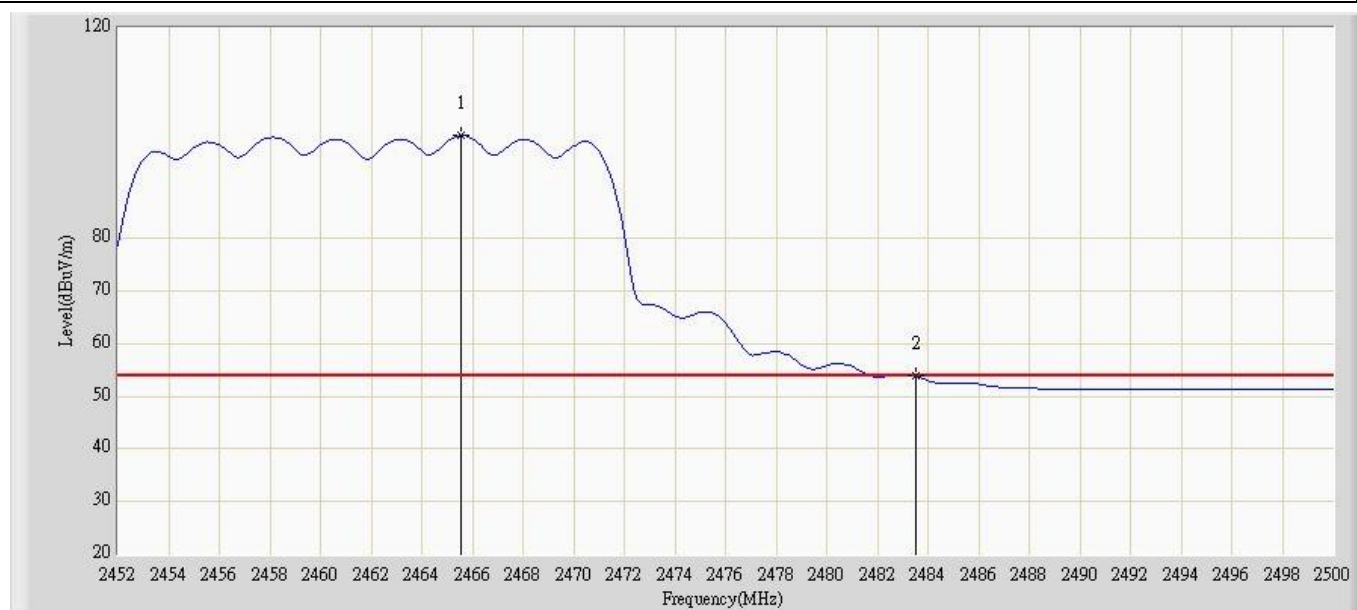
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|---------------------------------------------------------------|-------------------------|
| Site: AC103                                                   | Time: 2015/12/02- 14:33 |
| Limit: FCC_Part15.209_RE(3m)                                  | Margin: 0               |
| Probe: 2.4G-Bandedge                                          | Polarity: Vertical      |
| EUT: Wireless N VDSL2 4-ports Gateway                         | Power: AC 120V/60Hz     |
| Note: Mode3: Transmit at Channel 2462MHz by 802.11n20 Ant 1+2 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      | *    | 2464.660        | 111.990                | 74.640               | N/A             | N/A            | 37.350 | PK   |
| 2  |      |      | 2483.500        | 68.447                 | 31.006               | -5.553          | 74.000         | 37.441 | PK   |



|                                                               |                         |
|---------------------------------------------------------------|-------------------------|
| Site: AC103                                                   | Time: 2015/12/02- 14:34 |
| Limit: FCC_Part15.209_RE(3m)                                  | Margin: 0               |
| Probe: 2.4G-Bandedge                                          | Polarity: Vertical      |
| EUT: Wireless N VDSL2 4-ports Gateway                         | Power: AC 120V/60Hz     |
| Note: Mode3: Transmit at Channel 2462MHz by 802.11n20 Ant 1+2 |                         |

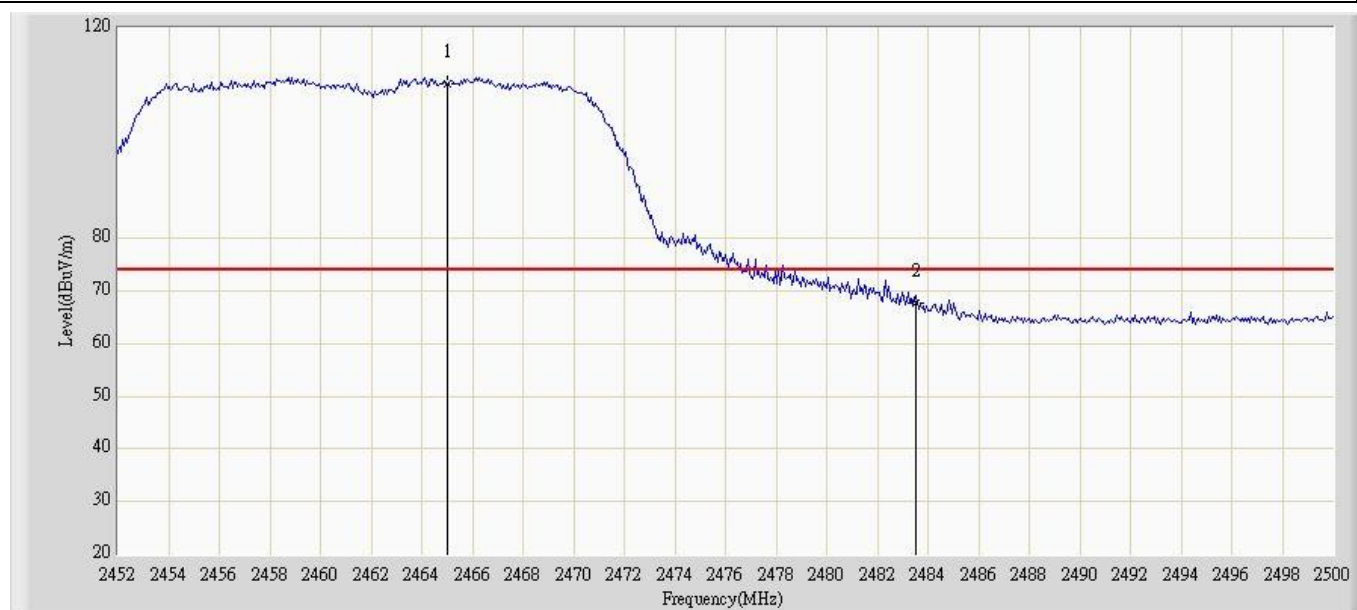


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      | *    | 2465.560        | 99.578                 | 62.224               | N/A             | N/A            | 37.354 | AV   |
| 2  |      |      | 2483.500        | 53.816                 | 16.375               | -0.184          | 54.000         | 37.441 | AV   |





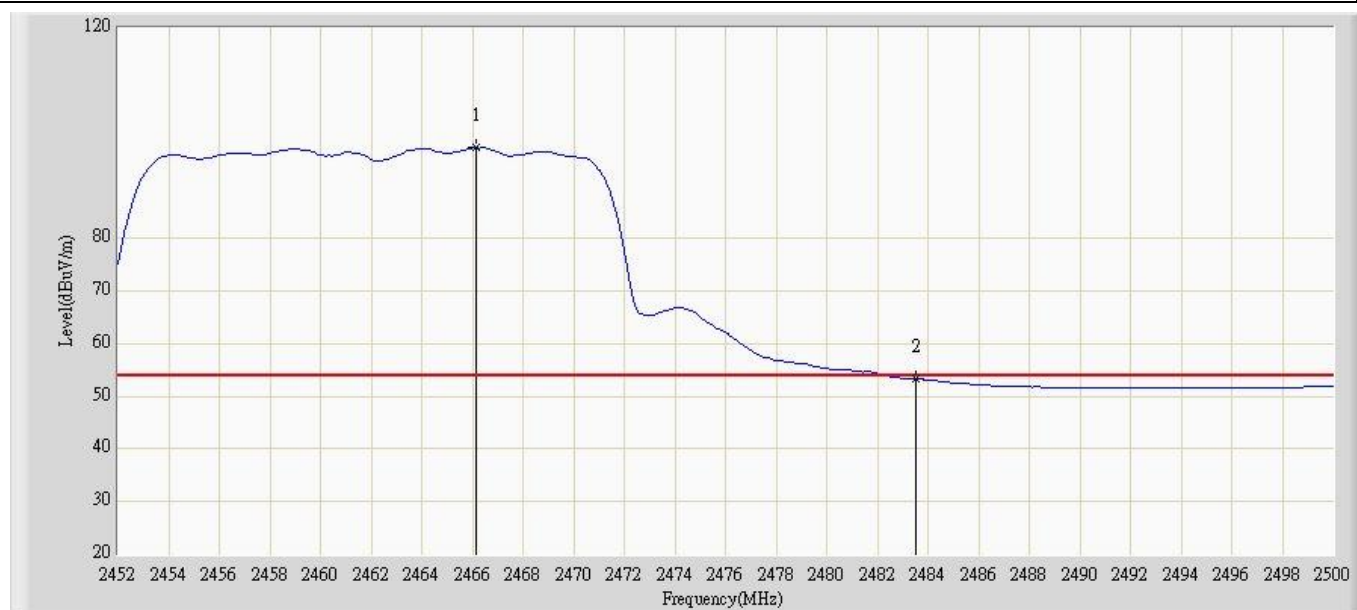
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|---------------------------------------------------------------|-------------------------|
| Site: AC103                                                   | Time: 2015/12/02- 14:36 |
| Limit: FCC_Part15.209_RE(3m)                                  | Margin: 0               |
| Probe: 2.4G-Bandedge                                          | Polarity: Horizontal    |
| EUT: Wireless N VDSL2 4-ports Gateway                         | Power: AC 120V/60Hz     |
| Note: Mode3: Transmit at Channel 2462MHz by 802.11n20 Ant 1+2 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      | *    | 2464.989        | 109.236                | 70.925               | N/A             | N/A            | 38.312 | PK   |
| 2  |      |      | 2483.500        | 67.709                 | 29.234               | -6.291          | 74.000         | 38.475 | PK   |



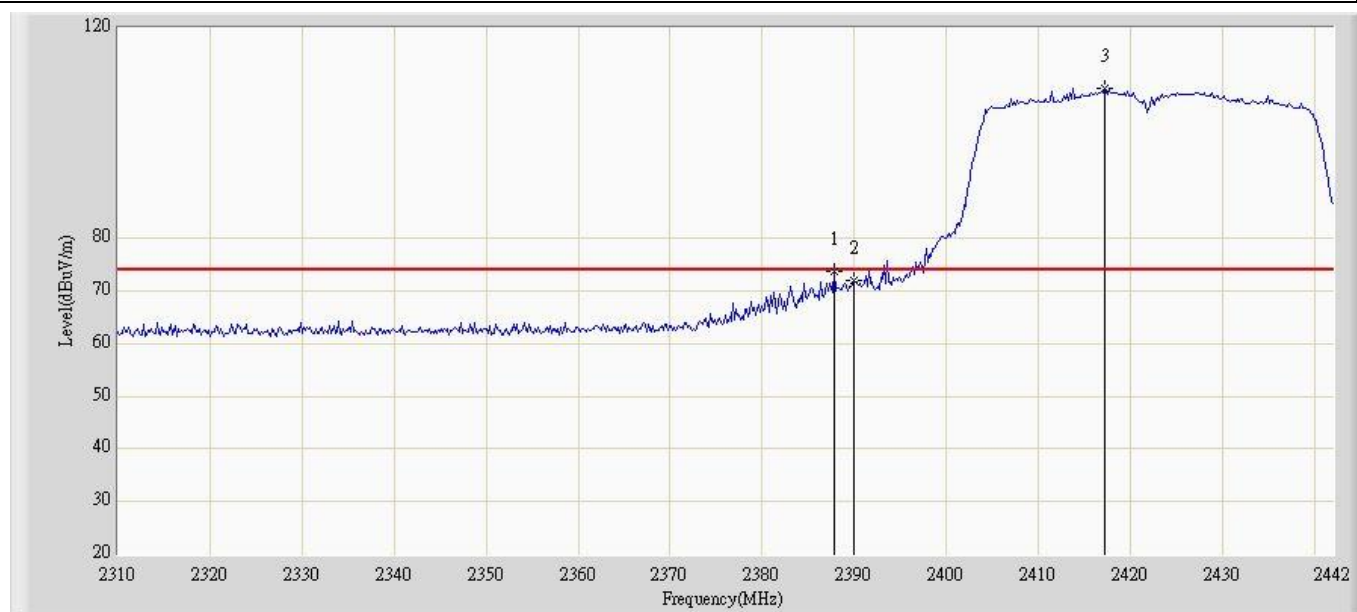
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|---------------------------------------------------------------|-------------------------|
| Site: AC103                                                   | Time: 2015/12/02- 14:37 |
| Limit: FCC_Part15.209_RE(3m)                                  | Margin: 0               |
| Probe: 2.4G-Bandedge                                          | Polarity: Horizontal    |
| EUT: Wireless N VDSL2 4-ports Gateway                         | Power: AC 120V/60Hz     |
| Note: Mode3: Transmit at Channel 2462MHz by 802.11n20 Ant 1+2 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      | *    | 2466.160        | 97.175                 | 58.853               | N/A             | N/A            | 38.322 | AV   |
| 2  |      |      | 2483.500        | 53.417                 | 14.942               | -0.583          | 54.000         | 38.475 | AV   |



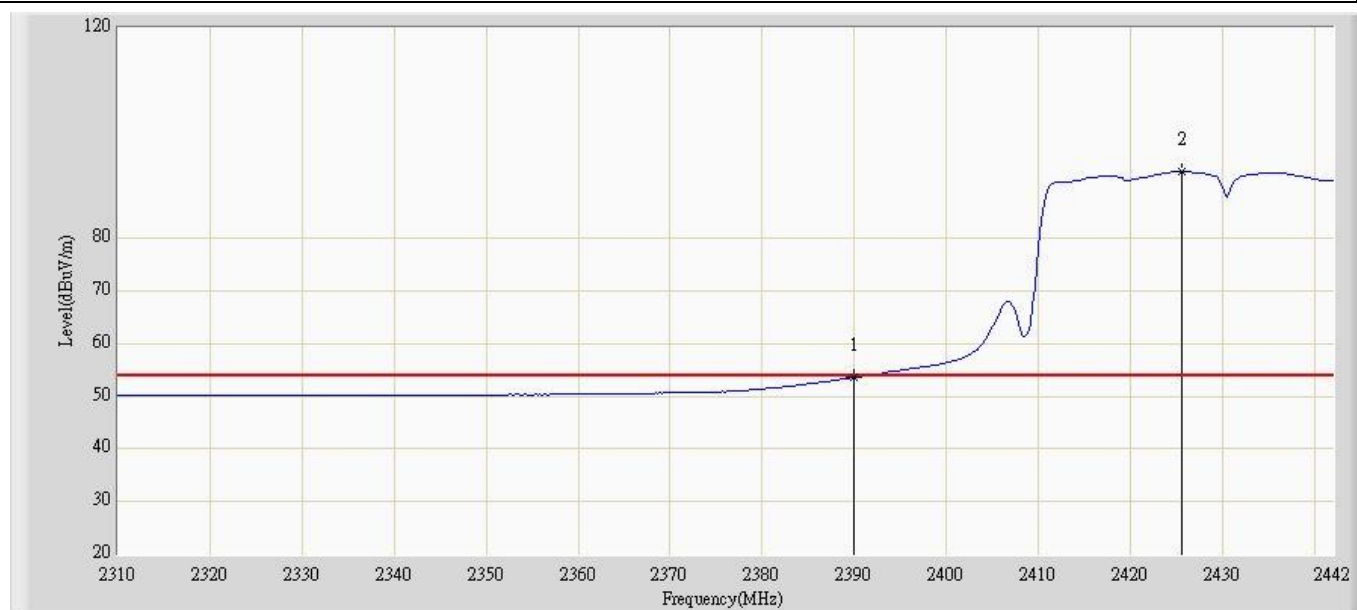
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|-------------------------------------------------------------|-------------------------|
| Site: AC103                                                 | Time: 2015/12/02- 14:39 |
| Limit: FCC_Part15.209_RE(3m)                                | Margin: 0               |
| Probe: 2.4G-Bandedge                                        | Polarity: Vertical      |
| EUT: Wireless N VDSL2 4-ports Gateway                       | Power: AC 120V/60Hz     |
| Note: Mode4: Transmit at Channel 2422MHz by 802.11n40 Ant 1 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      |      | 2387.880        | 73.831                 | 36.854               | -0.169          | 74.000         | 36.977 | PK   |
| 2  |      |      | 2390.000        | 72.024                 | 35.037               | -1.976          | 74.000         | 36.988 | PK   |
| 3  |      | *    | 2417.250        | 108.580                | 71.458               | N/A             | N/A            | 37.122 | PK   |



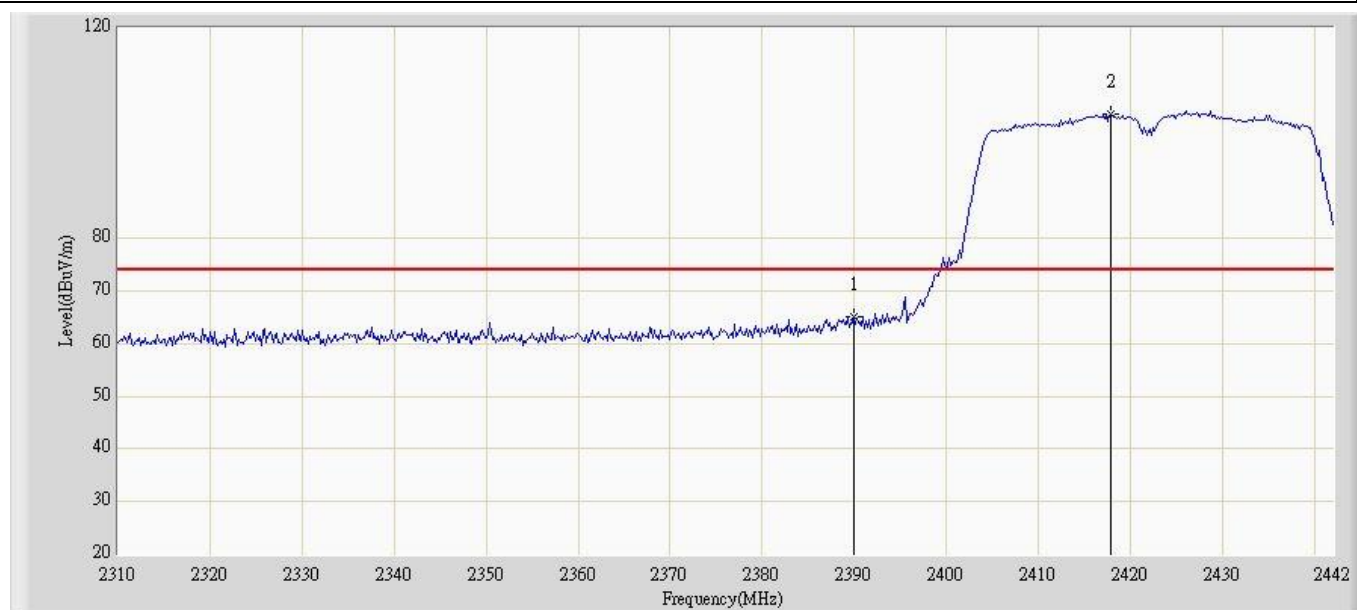
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|-------------------------------------------------------------|-------------------------|
| Site: AC103                                                 | Time: 2015/12/02- 14:47 |
| Limit: FCC_Part15.209_RE(3m)                                | Margin: 0               |
| Probe: 2.4G-Bandedge                                        | Polarity: Vertical      |
| EUT: Wireless N VDSL2 4-ports Gateway                       | Power: AC 120V/60Hz     |
| Note: Mode4: Transmit at Channel 2422MHz by 802.11n40 Ant 1 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      |      | 2390.000        | 53.707                 | 16.720               | -0.293          | 54.000         | 36.988 | AV   |
| 2  |      | *    | 2425.552        | 92.619                 | 55.457               | N/A             | N/A            | 37.162 | AV   |



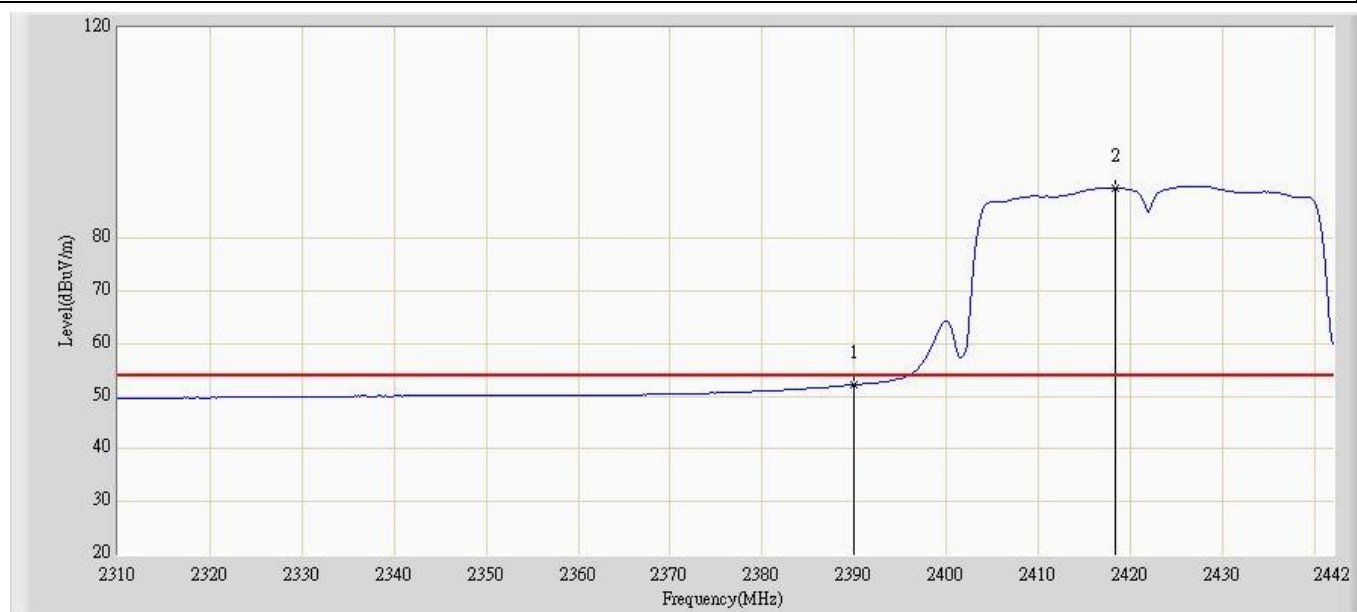
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|-------------------------------------------------------------|-------------------------|
| Site: AC103                                                 | Time: 2015/12/02- 14:47 |
| Limit: FCC_Part15.209_RE(3m)                                | Margin: 0               |
| Probe: 2.4G-Bandedge                                        | Polarity: Horizontal    |
| EUT: Wireless N VDSL2 4-ports Gateway                       | Power: AC 120V/60Hz     |
| Note: Mode4: Transmit at Channel 2422MHz by 802.11n40 Ant 1 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      |      | 2390.000        | 65.080                 | 27.433               | -8.920          | 74.000         | 37.648 | PK   |
| 2  |      | *    | 2417.910        | 103.745                | 65.848               | N/A             | N/A            | 37.897 | PK   |



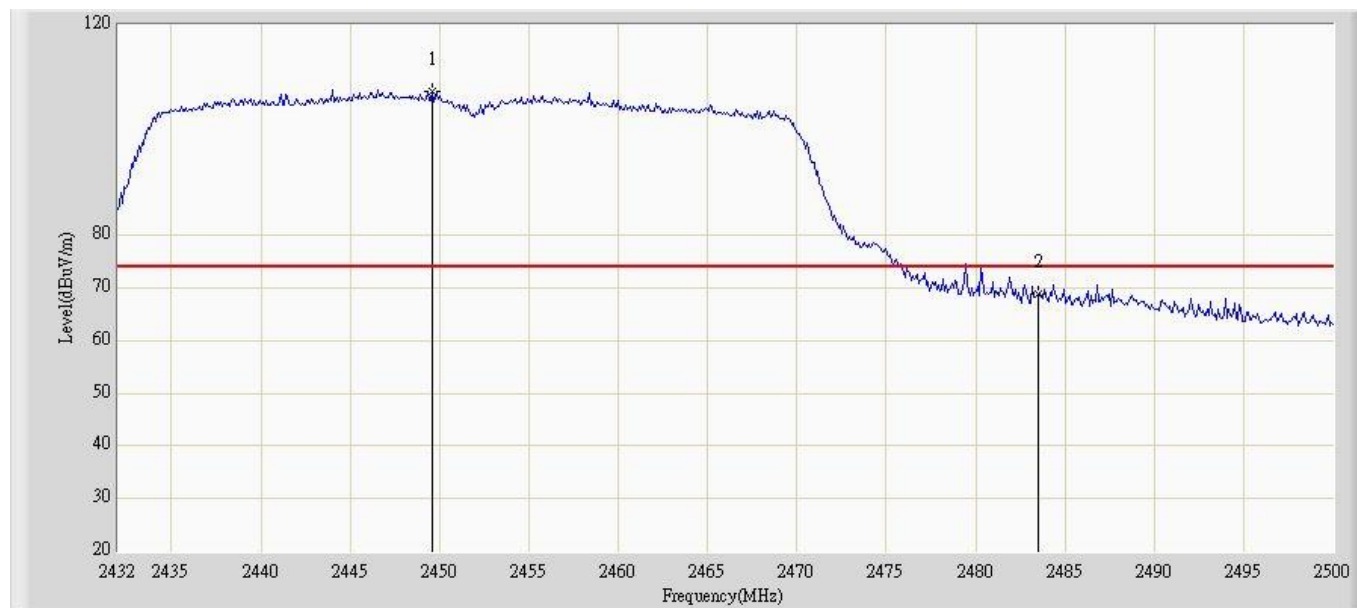
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|-------------------------------------------------------------|-------------------------|
| Site: AC103                                                 | Time: 2015/12/02- 14:50 |
| Limit: FCC_Part15.209_RE(3m)                                | Margin: 0               |
| Probe: 2.4G-Bandedge                                        | Polarity: Horizontal    |
| EUT: Wireless N VDSL2 4-ports Gateway                       | Power: AC 120V/60Hz     |
| Note: Mode4: Transmit at Channel 2422MHz by 802.11n40 Ant 1 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      |      | 2390.000        | 52.175                 | 14.528               | -1.825          | 54.000         | 37.648 | AV   |
| 2  |      | *    | 2418.405        | 89.505                 | 51.604               | N/A             | N/A            | 37.901 | AV   |



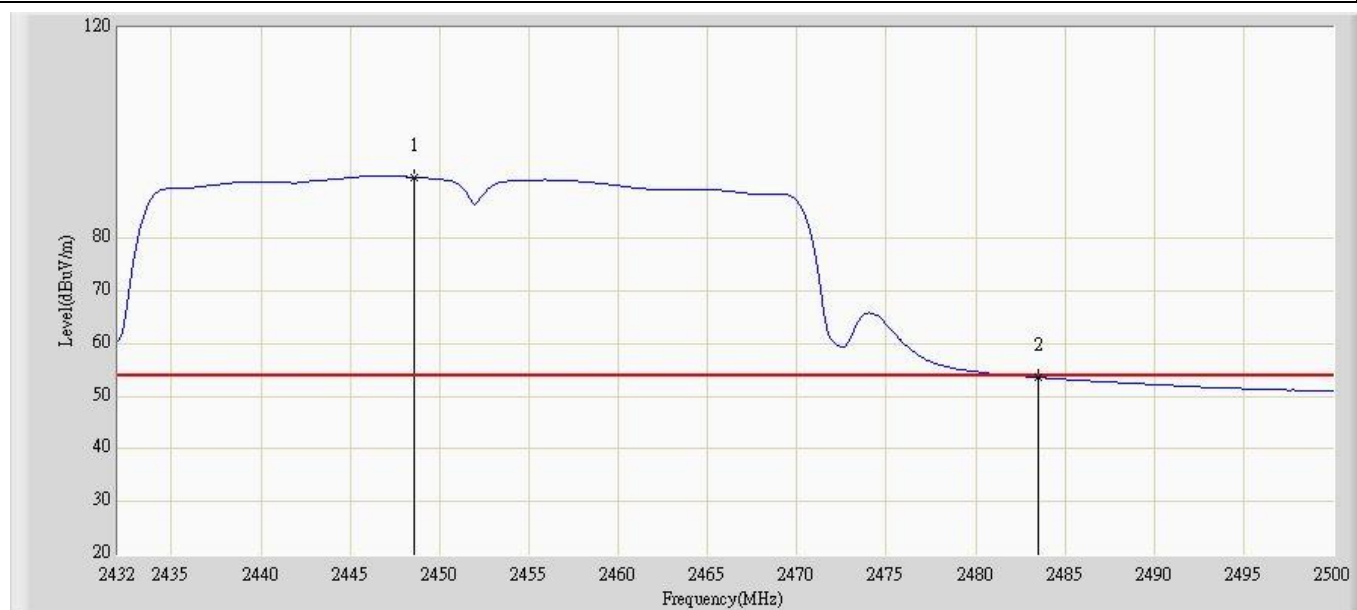
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|-------------------------------------------------------------|-------------------------|
| Site: AC103                                                 | Time: 2015/12/02- 14:51 |
| Limit: FCC_Part15.209_RE(3m)                                | Margin: 0               |
| Probe: 2.4G-Bandedge                                        | Polarity: Vertical      |
| EUT: Wireless N VDSL2 4-ports Gateway                       | Power: AC 120V/60Hz     |
| Note: Mode4: Transmit at Channel 2452MHz by 802.11n40 Ant 1 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      | *    | 2449.595        | 107.485                | 70.208               | N/A             | N/A            | 37.277 | PK   |
| 2  |      |      | 2483.500        | 68.923                 | 31.482               | -5.077          | 74.000         | 37.441 | PK   |



|                                                             |                         |
|-------------------------------------------------------------|-------------------------|
| Site: AC103                                                 | Time: 2015/12/02- 14:56 |
| Limit: FCC_Part15.209_RE(3m)                                | Margin: 0               |
| Probe: 2.4G-Bandedge                                        | Polarity: Vertical      |
| EUT: Wireless N VDSL2 4-ports Gateway                       | Power: AC 120V/60Hz     |
| Note: Mode4: Transmit at Channel 2452MHz by 802.11n40 Ant 1 |                         |

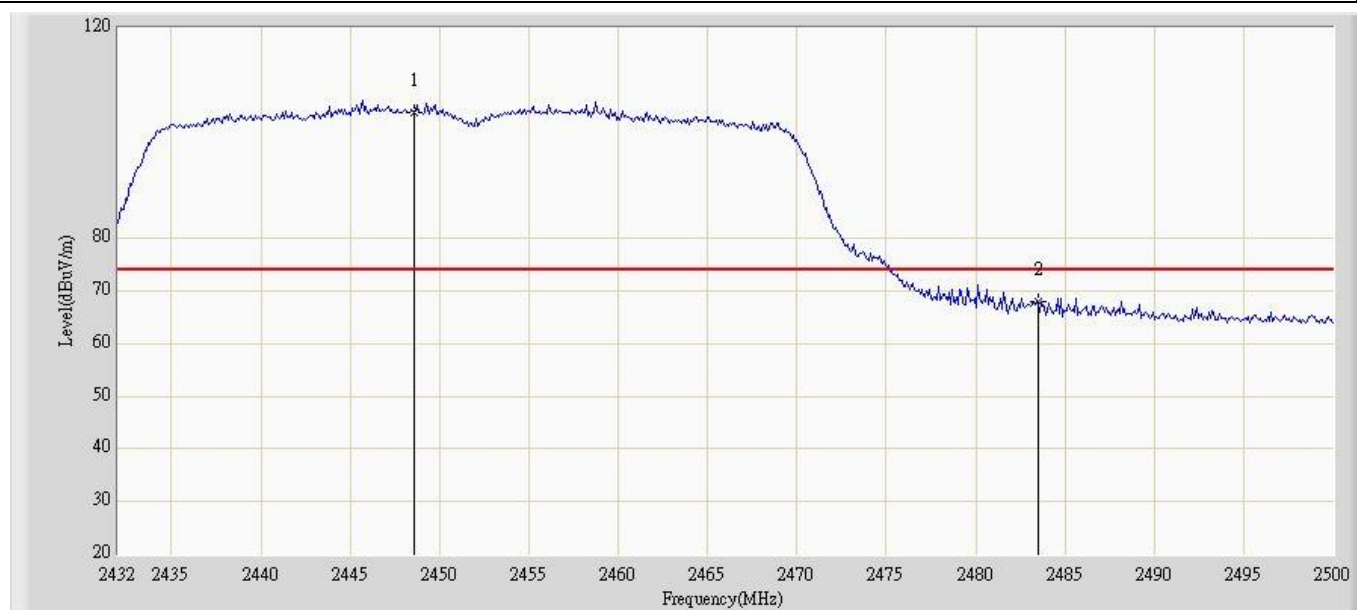


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      | *    | 2448.575        | 91.607                 | 54.335               | N/A             | N/A            | 37.272 | AV   |
| 2  |      |      | 2483.500        | 53.602                 | 16.161               | -0.398          | 54.000         | 37.441 | AV   |





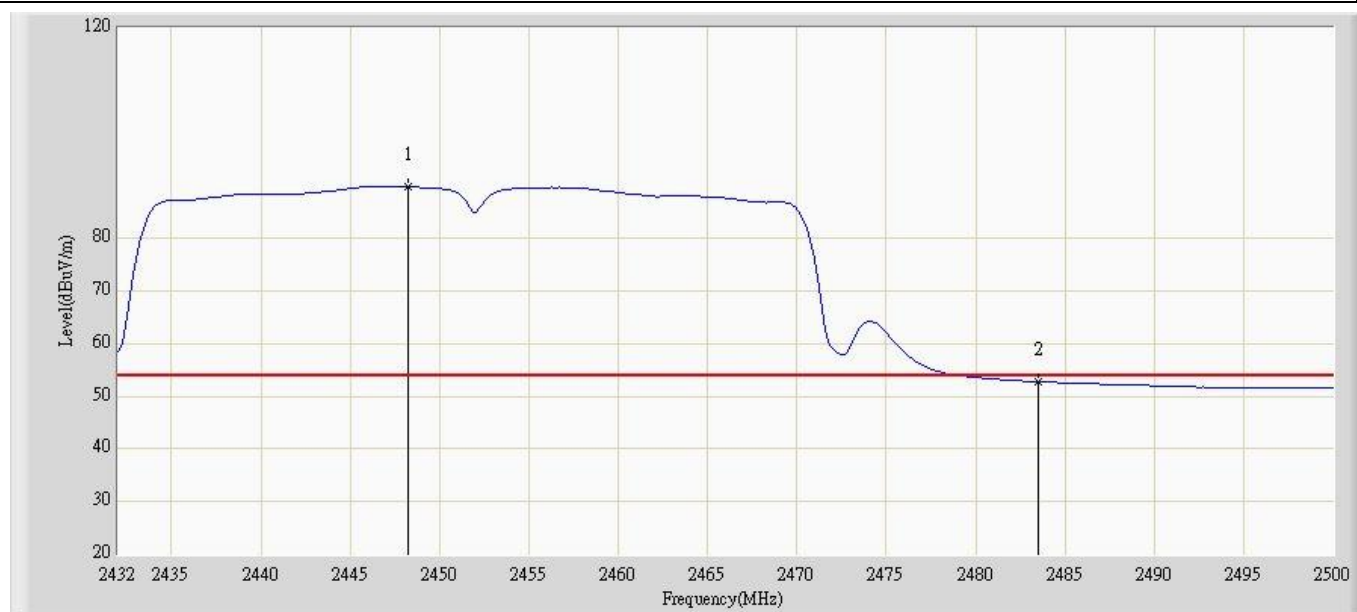
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|-------------------------------------------------------------|-------------------------|
| Site: AC103                                                 | Time: 2015/12/02- 15:01 |
| Limit: FCC_Part15.209_RE(3m)                                | Margin: 0               |
| Probe: 2.4G-Bandedge                                        | Polarity: Horizontal    |
| EUT: Wireless N VDSL2 4-ports Gateway                       | Power: AC 120V/60Hz     |
| Note: Mode4: Transmit at Channel 2452MHz by 802.11n40 Ant 1 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      | *    | 2448.575        | 103.819                | 65.652               | N/A             | N/A            | 38.166 | PK   |
| 2  |      |      | 2483.500        | 67.929                 | 29.454               | -6.071          | 74.000         | 38.475 | PK   |



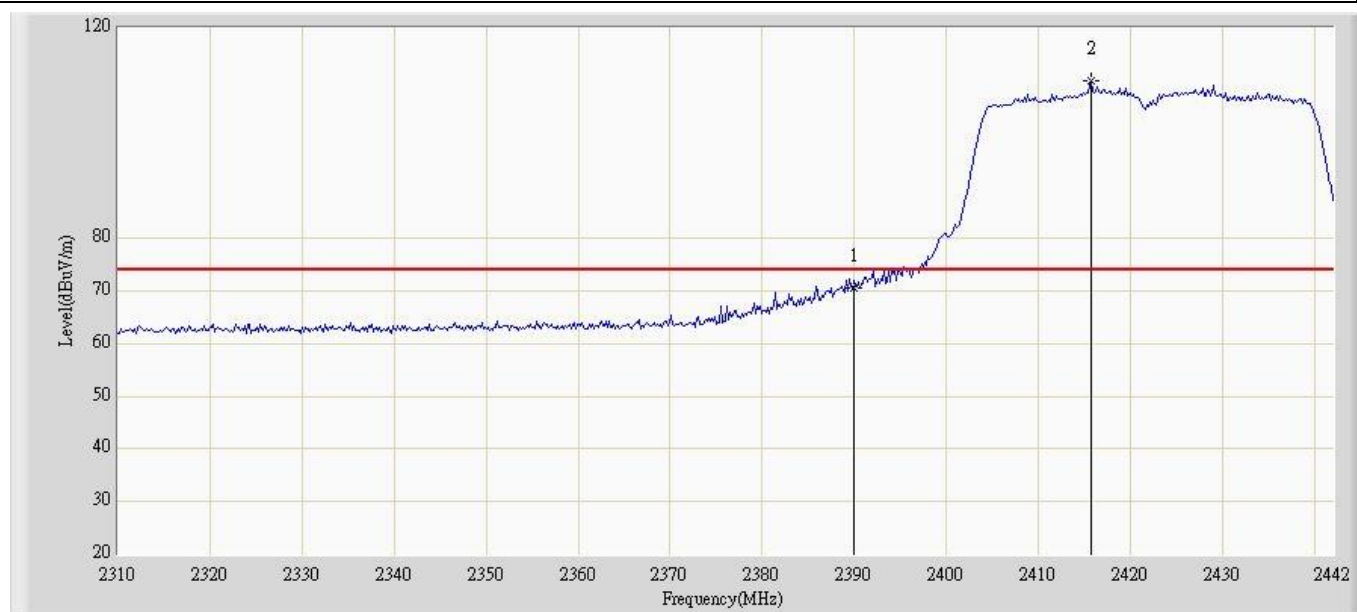
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|-------------------------------------------------------------|-------------------------|
| Site: AC103                                                 | Time: 2015/12/02- 15:02 |
| Limit: FCC_Part15.209_RE(3m)                                | Margin: 0               |
| Probe: 2.4G-Bandedge                                        | Polarity: Horizontal    |
| EUT: Wireless N VDSL2 4-ports Gateway                       | Power: AC 120V/60Hz     |
| Note: Mode4: Transmit at Channel 2452MHz by 802.11n40 Ant 1 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      | *    | 2448.235        | 89.815                 | 51.651               | N/A             | N/A            | 38.164 | AV   |
| 2  |      |      | 2483.500        | 52.774                 | 14.299               | -1.226          | 54.000         | 38.475 | AV   |



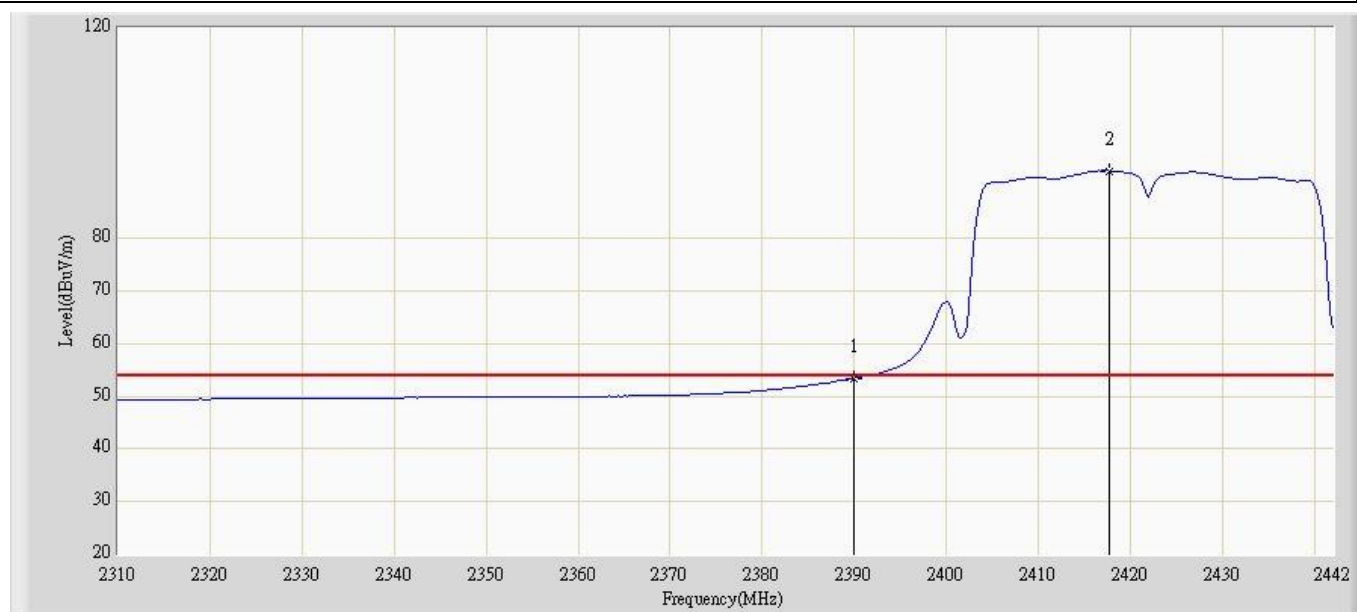
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|-------------------------------------------------------------|-------------------------|
| Site: AC103                                                 | Time: 2015/12/02- 15:13 |
| Limit: FCC_Part15.209_RE(3m)                                | Margin: 0               |
| Probe: 2.4G-Bandedge                                        | Polarity: Vertical      |
| EUT: Wireless N VDSL2 4-ports Gateway                       | Power: AC 120V/60Hz     |
| Note: Mode4: Transmit at Channel 2422MHz by 802.11n40 Ant 2 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      |      | 2390.000        | 70.485                 | 33.498               | -3.515          | 74.000         | 36.988 | PK   |
| 2  |      | *    | 2415.765        | 109.979                | 72.864               | N/A             | N/A            | 37.115 | PK   |



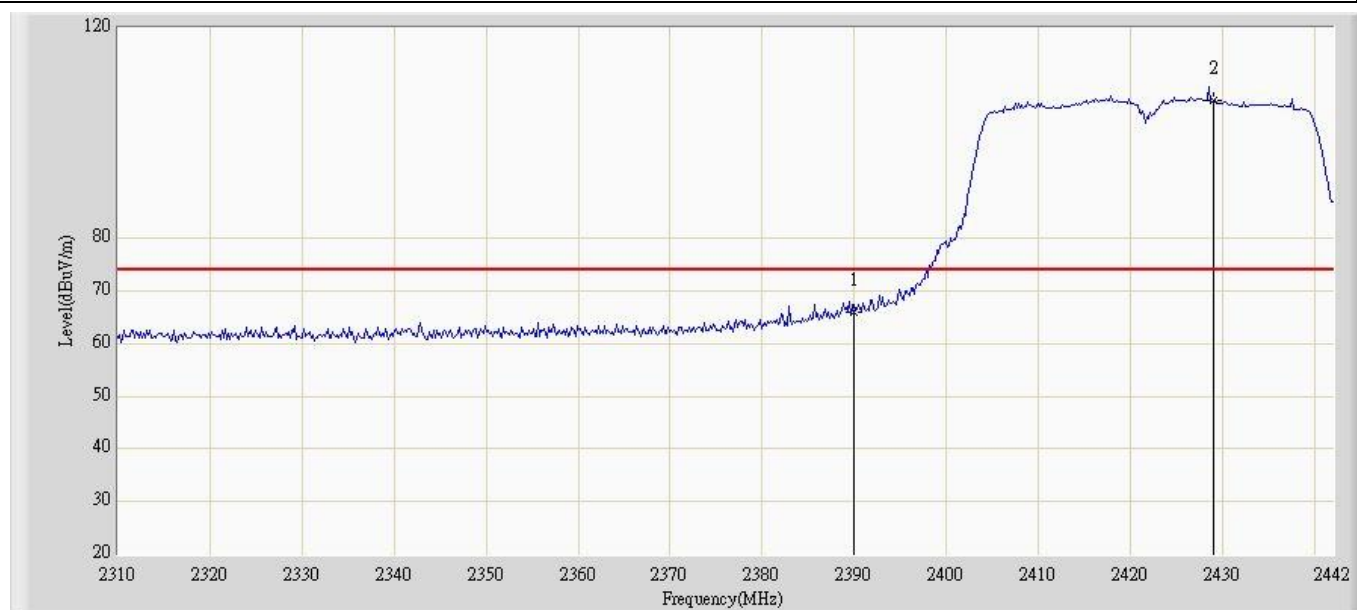
|                                                             |                         |
|-------------------------------------------------------------|-------------------------|
| Site: AC103                                                 | Time: 2015/12/02- 15:15 |
| Limit: FCC_Part15.209_RE(3m)                                | Margin: 0               |
| Probe: 2.4G-Bandedge                                        | Polarity: Vertical      |
| EUT: Wireless N VDSL2 4-ports Gateway                       | Power: AC 120V/60Hz     |
| Note: Mode4: Transmit at Channel 2422MHz by 802.11n40 Ant 2 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      |      | 2390.000        | 53.426                 | 16.439               | -0.574          | 54.000         | 36.988 | AV   |
| 2  |      | *    | 2417.745        | 92.833                 | 55.708               | N/A             | N/A            | 37.124 | AV   |



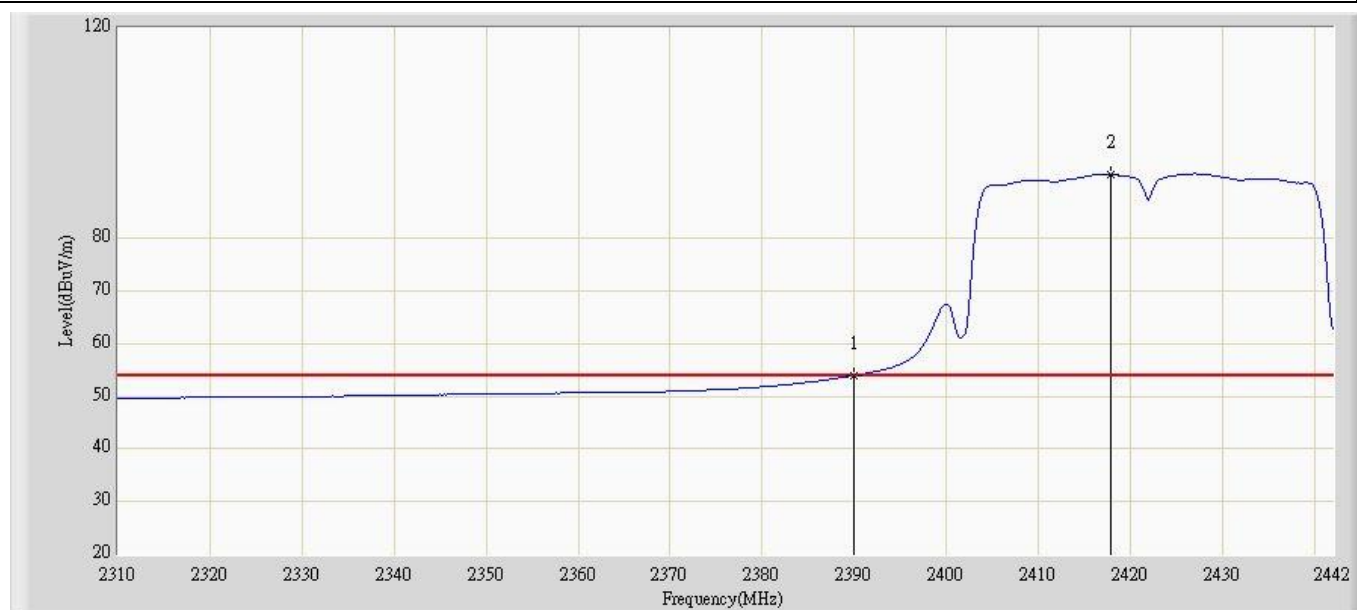
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|-------------------------------------------------------------|-------------------------|
| Site: AC103                                                 | Time: 2015/12/02- 15:16 |
| Limit: FCC_Part15.209_RE(3m)                                | Margin: 0               |
| Probe: 2.4G-Bandedge                                        | Polarity: Horizontal    |
| EUT: Wireless N VDSL2 4-ports Gateway                       | Power: AC 120V/60Hz     |
| Note: Mode4: Transmit at Channel 2422MHz by 802.11n40 Ant 2 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      |      | 2390.000        | 65.994                 | 28.347               | -8.006          | 74.000         | 37.648 | PK   |
| 2  |      | *    | 2429.067        | 106.231                | 68.236               | N/A             | N/A            | 37.995 | PK   |



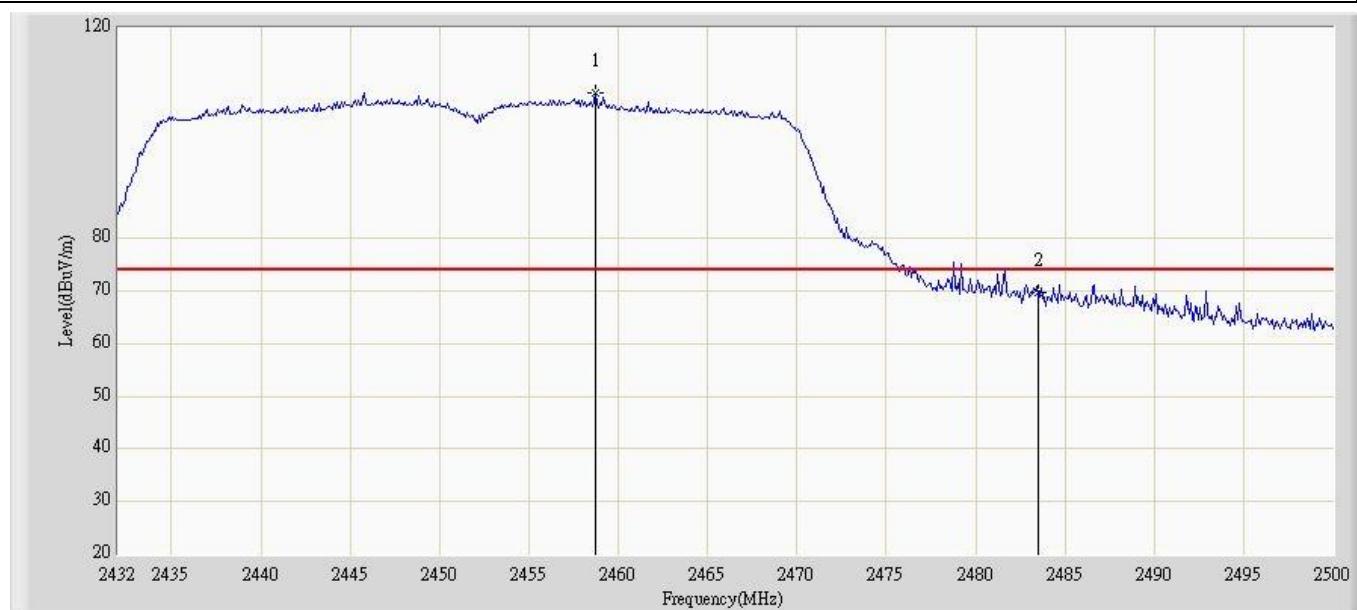
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|-------------------------------------------------------------|-------------------------|
| Site: AC103                                                 | Time: 2015/12/02- 15:16 |
| Limit: FCC_Part15.209_RE(3m)                                | Margin: 0               |
| Probe: 2.4G-Bandedge                                        | Polarity: Horizontal    |
| EUT: Wireless N VDSL2 4-ports Gateway                       | Power: AC 120V/60Hz     |
| Note: Mode4: Transmit at Channel 2422MHz by 802.11n40 Ant 2 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      |      | 2390.000        | 53.961                 | 16.314               | -0.039          | 54.000         | 37.648 | AV   |
| 2  |      | *    | 2417.910        | 92.088                 | 54.191               | N/A             | N/A            | 37.897 | AV   |



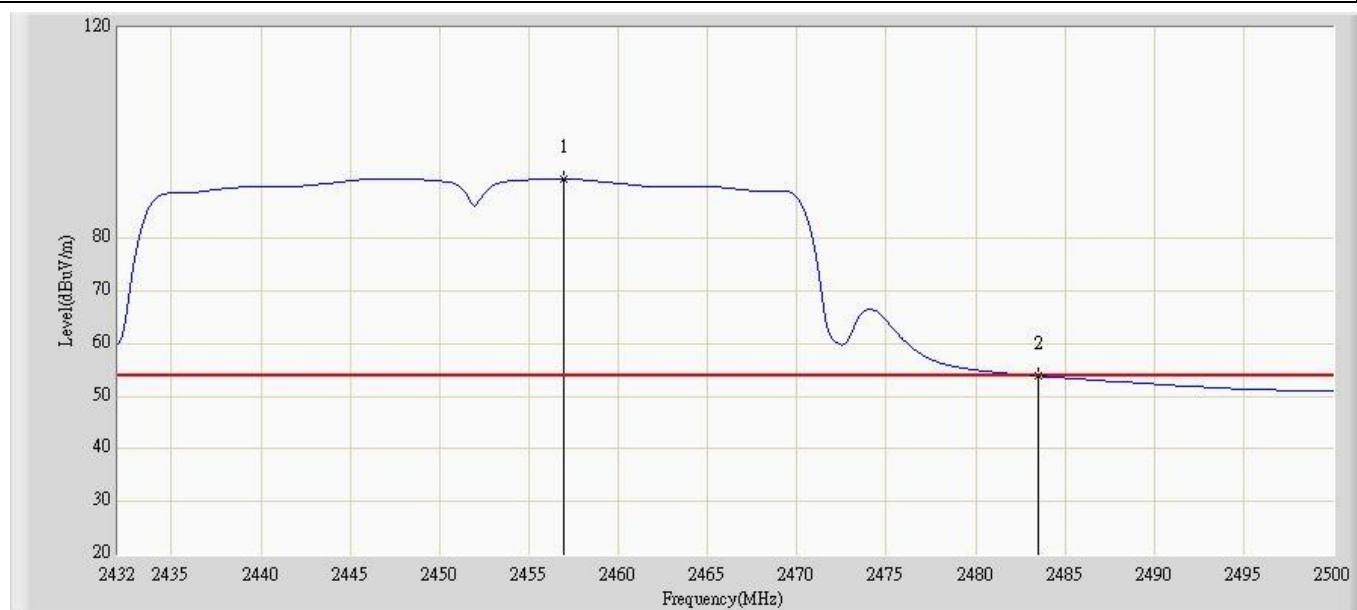
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|-------------------------------------------------------------|-------------------------|
| Site: AC103                                                 | Time: 2015/12/02- 15:18 |
| Limit: FCC_Part15.209_RE(3m)                                | Margin: 0               |
| Probe: 2.4G-Bandedge                                        | Polarity: Vertical      |
| EUT: Wireless N VDSL2 4-ports Gateway                       | Power: AC 120V/60Hz     |
| Note: Mode4: Transmit at Channel 2452MHz by 802.11n40 Ant 2 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      | *    | 2458.690        | 107.700                | 70.379               | N/A             | N/A            | 37.321 | PK   |
| 2  |      |      | 2483.500        | 69.696                 | 32.255               | -4.304          | 74.000         | 37.441 | PK   |



|                                                             |                         |
|-------------------------------------------------------------|-------------------------|
| Site: AC103                                                 | Time: 2015/12/02- 15:20 |
| Limit: FCC_Part15.209_RE(3m)                                | Margin: 0               |
| Probe: 2.4G-Bandedge                                        | Polarity: Vertical      |
| EUT: Wireless N VDSL2 4-ports Gateway                       | Power: AC 120V/60Hz     |
| Note: Mode4: Transmit at Channel 2452MHz by 802.11n40 Ant 2 |                         |

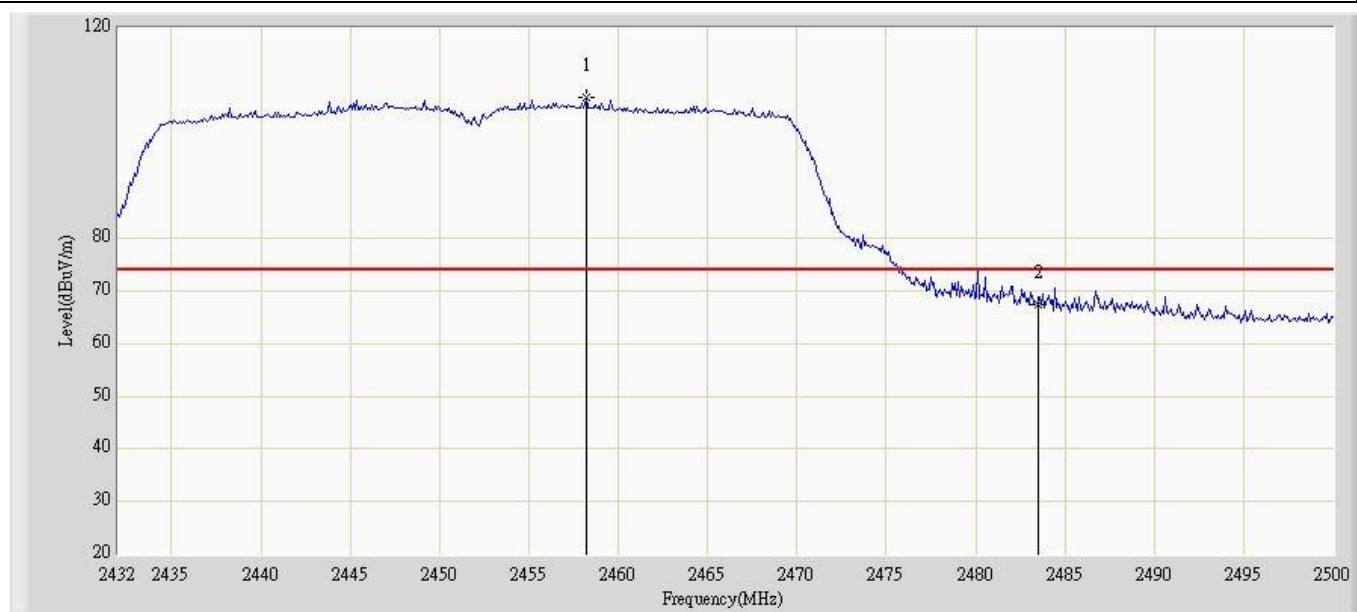


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      | *    | 2456.990        | 91.301                 | 53.988               | N/A             | N/A            | 37.313 | AV   |
| 2  |      |      | 2483.500        | 53.861                 | 16.420               | -0.139          | 54.000         | 37.441 | AV   |





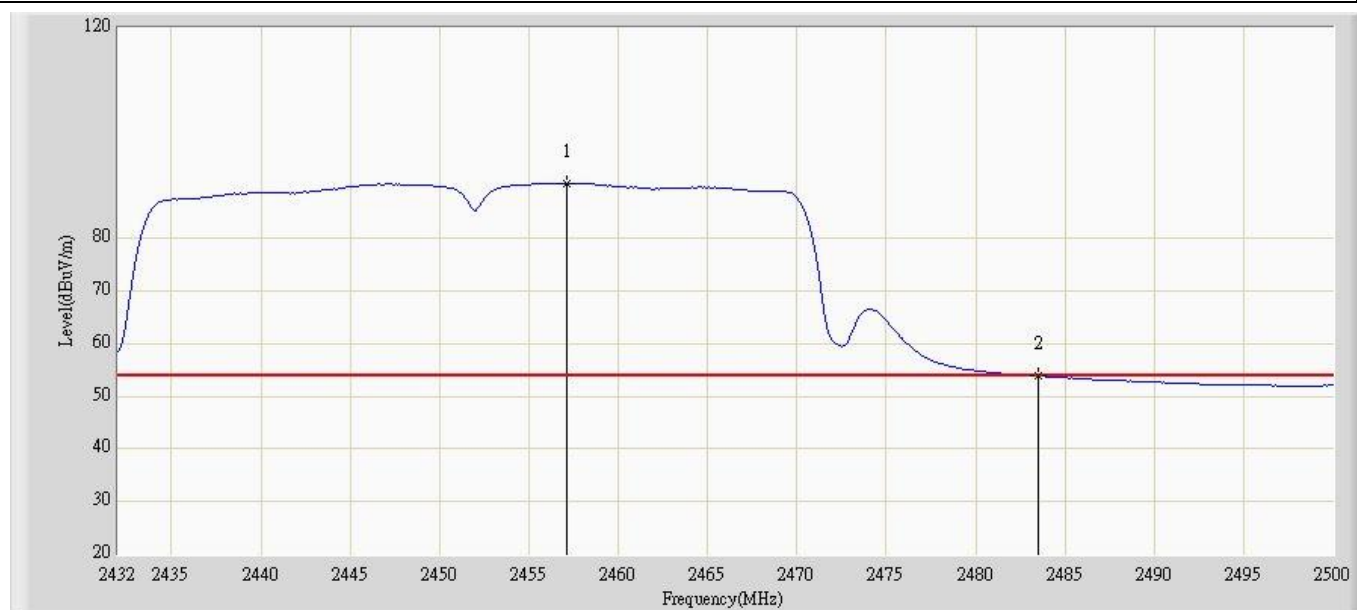
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|-------------------------------------------------------------|-------------------------|
| Site: AC103                                                 | Time: 2015/12/02- 15:21 |
| Limit: FCC_Part15.209_RE(3m)                                | Margin: 0               |
| Probe: 2.4G-Bandedge                                        | Polarity: Horizontal    |
| EUT: Wireless N VDSL2 4-ports Gateway                       | Power: AC 120V/60Hz     |
| Note: Mode4: Transmit at Channel 2452MHz by 802.11n40 Ant 2 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      | *    | 2458.180        | 106.733                | 68.482               | N/A             | N/A            | 38.251 | PK   |
| 2  |      |      | 2483.500        | 67.303                 | 28.828               | -6.697          | 74.000         | 38.475 | PK   |



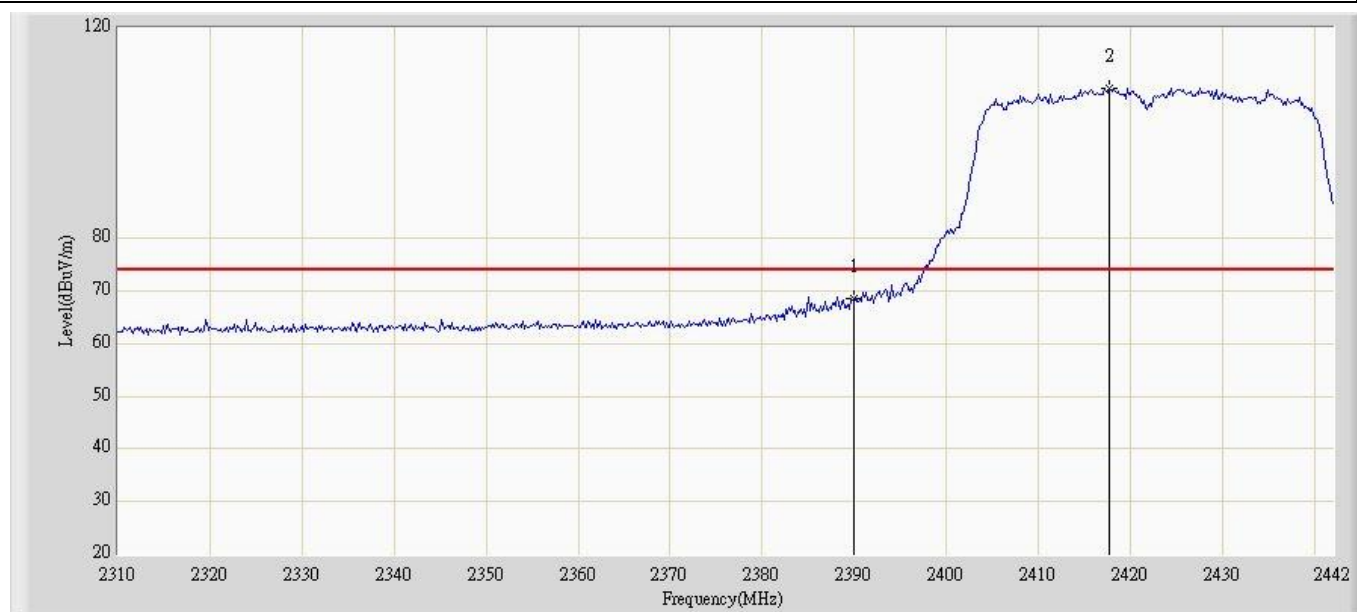
|                                                             |                         |
|-------------------------------------------------------------|-------------------------|
| Site: AC103                                                 | Time: 2015/12/02- 15:22 |
| Limit: FCC_Part15.209_RE(3m)                                | Margin: 0               |
| Probe: 2.4G-Bandedge                                        | Polarity: Horizontal    |
| EUT: Wireless N VDSL2 4-ports Gateway                       | Power: AC 120V/60Hz     |
| Note: Mode4: Transmit at Channel 2452MHz by 802.11n40 Ant 2 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      | *    | 2457.160        | 90.388                 | 52.146               | N/A             | N/A            | 38.242 | AV   |
| 2  |      |      | 2483.500        | 53.809                 | 15.334               | -0.191          | 54.000         | 38.475 | AV   |



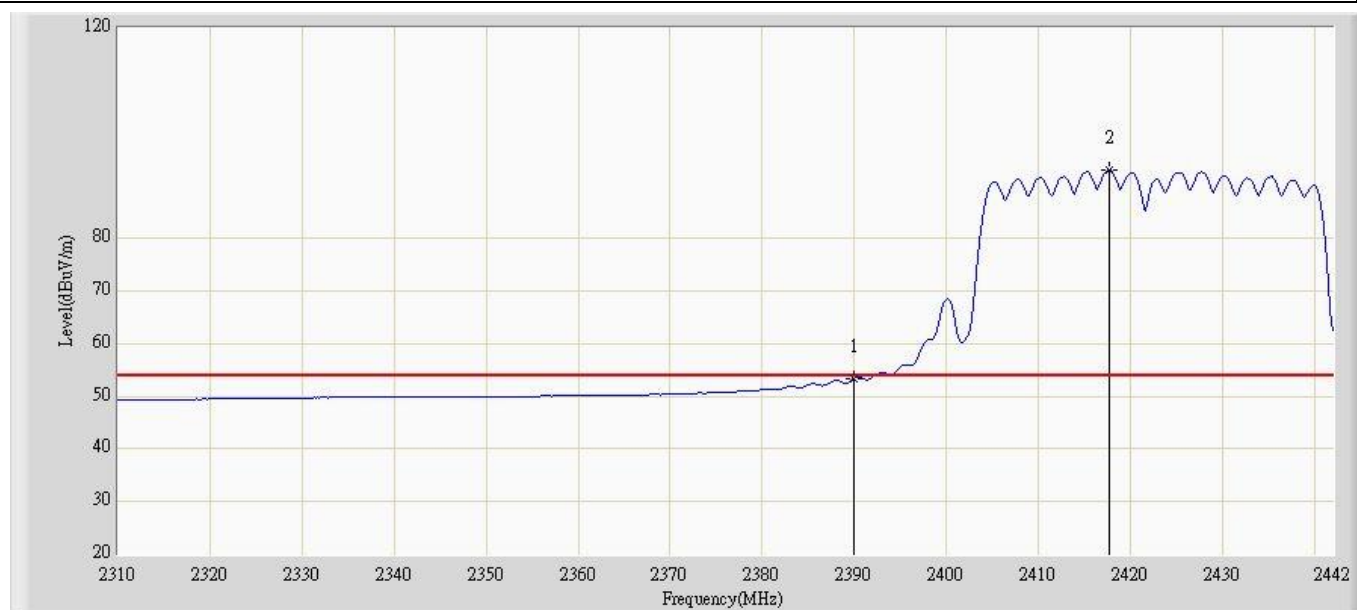
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|---------------------------------------------------------------|-------------------------|
| Site: AC103                                                   | Time: 2015/12/02- 15:24 |
| Limit: FCC_Part15.209_RE(3m)                                  | Margin: 0               |
| Probe: 2.4G-Bandedge                                          | Polarity: Vertical      |
| EUT: Wireless N VDSL2 4-ports Gateway                         | Power: AC 120V/60Hz     |
| Note: Mode4: Transmit at Channel 2422MHz by 802.11n40 Ant 1+2 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      |      | 2390.000        | 68.588                 | 31.601               | -5.412          | 74.000         | 36.988 | PK   |
| 2  |      | *    | 2417.745        | 108.589                | 71.464               | N/A             | N/A            | 37.124 | PK   |



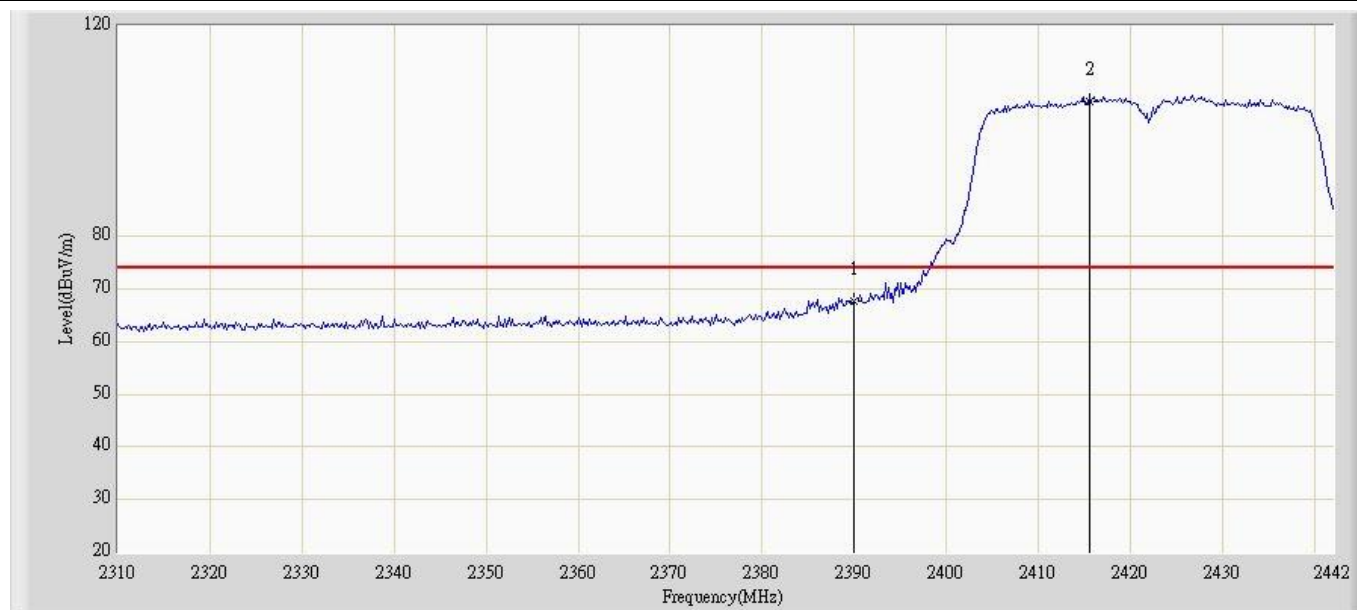
|                                                               |                         |
|---------------------------------------------------------------|-------------------------|
| Site: AC103                                                   | Time: 2015/12/02- 15:25 |
| Limit: FCC_Part15.209_RE(3m)                                  | Margin: 0               |
| Probe: 2.4G-Bandedge                                          | Polarity: Vertical      |
| EUT: Wireless N VDSL2 4-ports Gateway                         | Power: AC 120V/60Hz     |
| Note: Mode4: Transmit at Channel 2422MHz by 802.11n40 Ant 1+2 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      |      | 2390.000        | 53.338                 | 16.351               | -0.662          | 54.000         | 36.988 | AV   |
| 2  |      | *    | 2417.745        | 93.016                 | 55.891               | N/A             | N/A            | 37.124 | AV   |



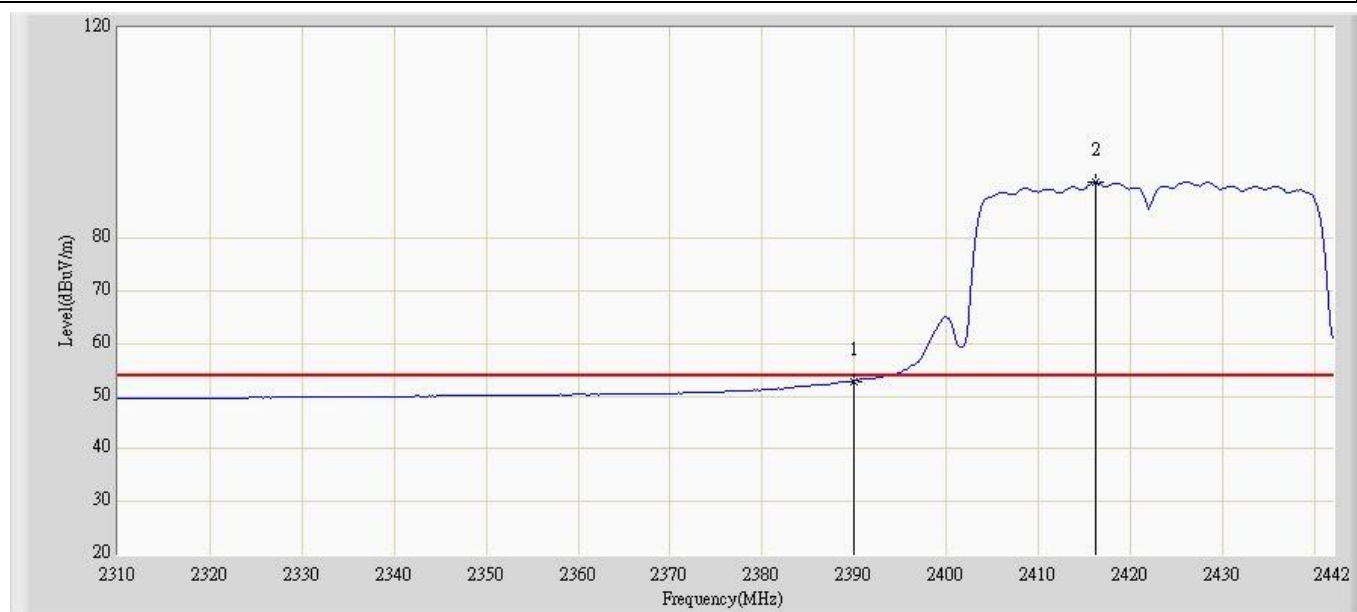
|                                                               |                         |
|---------------------------------------------------------------|-------------------------|
| Site: AC103                                                   | Time: 2015/12/02- 15:26 |
| Limit: FCC_Part15.209_RE(3m)                                  | Margin: 0               |
| Probe: 2.4G-Bandedge                                          | Polarity: Horizontal    |
| EUT: Wireless N VDSL2 4-ports Gateway                         | Power: AC 120V/60Hz     |
| Note: Mode4: Transmit at Channel 2422MHz by 802.11n40 Ant 1+2 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      |      | 2390.000        | 67.665                 | 30.018               | -6.335          | 74.000         | 37.648 | PK   |
| 2  |      | *    | 2415.518        | 105.679                | 67.803               | N/A             | N/A            | 37.876 | PK   |



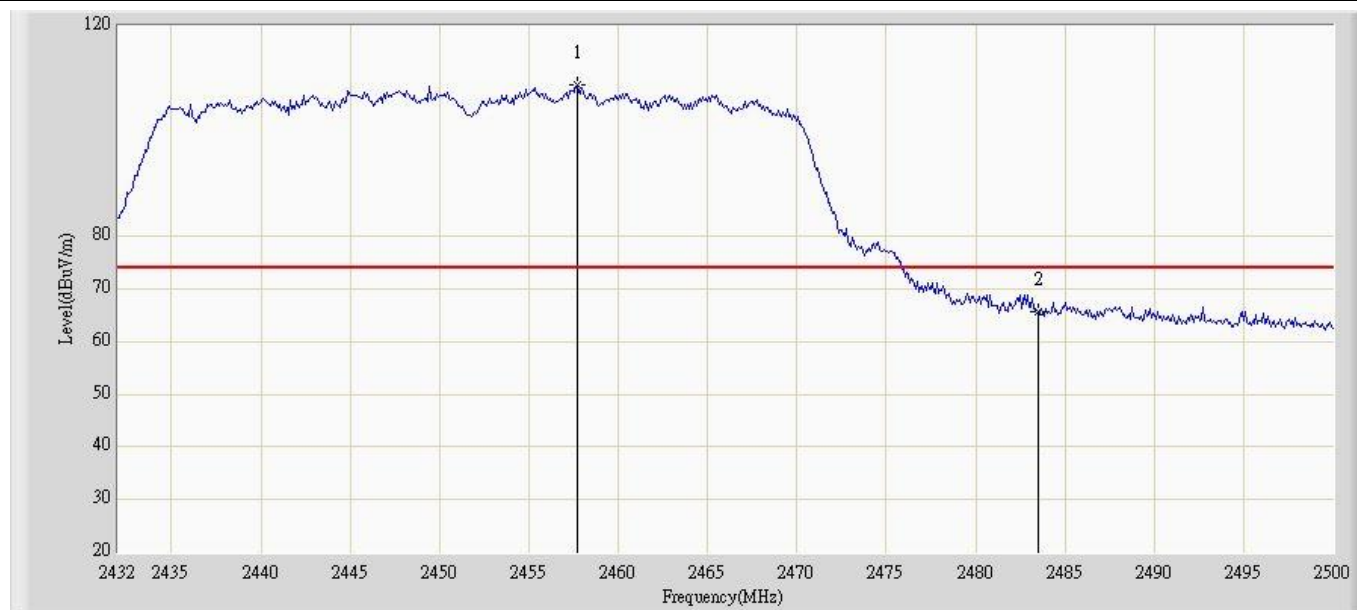
|                                                               |                         |
|---------------------------------------------------------------|-------------------------|
| Site: AC103                                                   | Time: 2015/12/02- 15:27 |
| Limit: FCC_Part15.209_RE(3m)                                  | Margin: 0               |
| Probe: 2.4G-Bandedge                                          | Polarity: Horizontal    |
| EUT: Wireless N VDSL2 4-ports Gateway                         | Power: AC 120V/60Hz     |
| Note: Mode4: Transmit at Channel 2422MHz by 802.11n40 Ant 1+2 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      |      | 2390.000        | 52.894                 | 15.247               | -1.106          | 54.000         | 37.648 | AV   |
| 2  |      | *    | 2416.260        | 90.626                 | 52.744               | N/A             | N/A            | 37.882 | AV   |



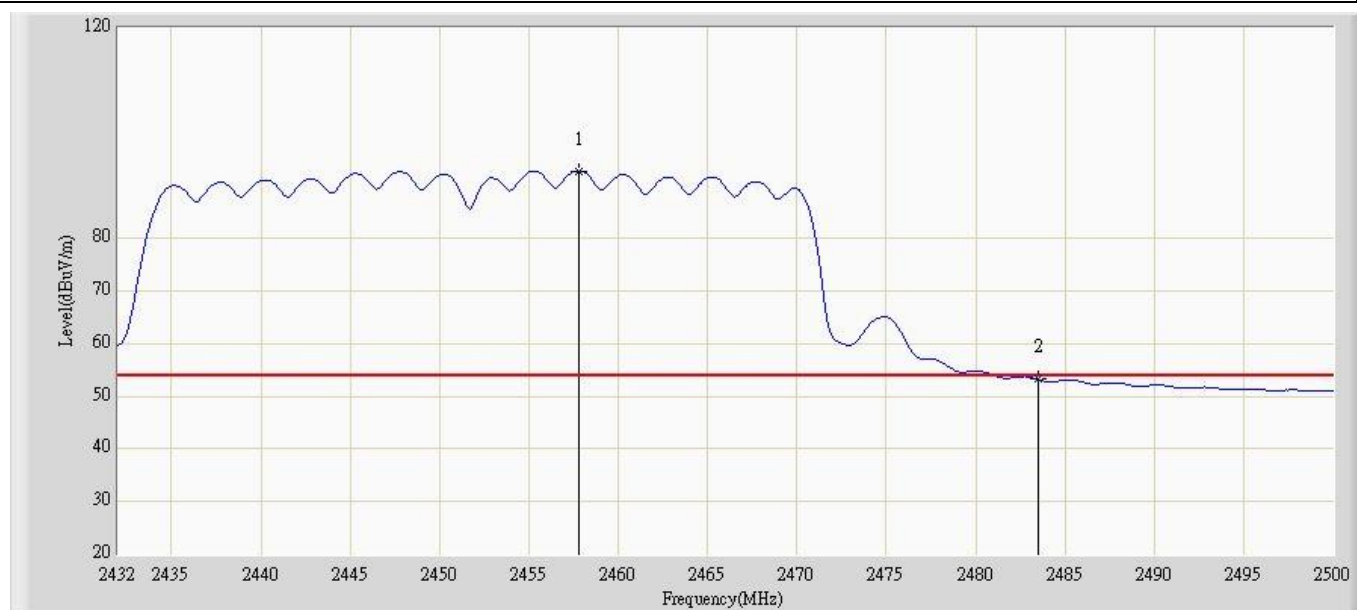
|                                                               |                         |
|---------------------------------------------------------------|-------------------------|
| Site: AC103                                                   | Time: 2015/12/02- 15:27 |
| Limit: FCC_Part15.209_RE(3m)                                  | Margin: 0               |
| Probe: 2.4G-Bandedge                                          | Polarity: Vertical      |
| EUT: Wireless N VDSL2 4-ports Gateway                         | Power: AC 120V/60Hz     |
| Note: Mode4: Transmit at Channel 2452MHz by 802.11n40 Ant 1+2 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      | *    | 2457.670        | 108.751                | 71.435               | N/A             | N/A            | 37.316 | PK   |
| 2  |      |      | 2483.500        | 65.673                 | 28.232               | -8.327          | 74.000         | 37.441 | PK   |



|                                                               |                         |
|---------------------------------------------------------------|-------------------------|
| Site: AC103                                                   | Time: 2015/12/02- 15:28 |
| Limit: FCC_Part15.209_RE(3m)                                  | Margin: 0               |
| Probe: 2.4G-Bandedge                                          | Polarity: Vertical      |
| EUT: Wireless N VDSL2 4-ports Gateway                         | Power: AC 120V/60Hz     |
| Note: Mode4: Transmit at Channel 2452MHz by 802.11n40 Ant 1+2 |                         |

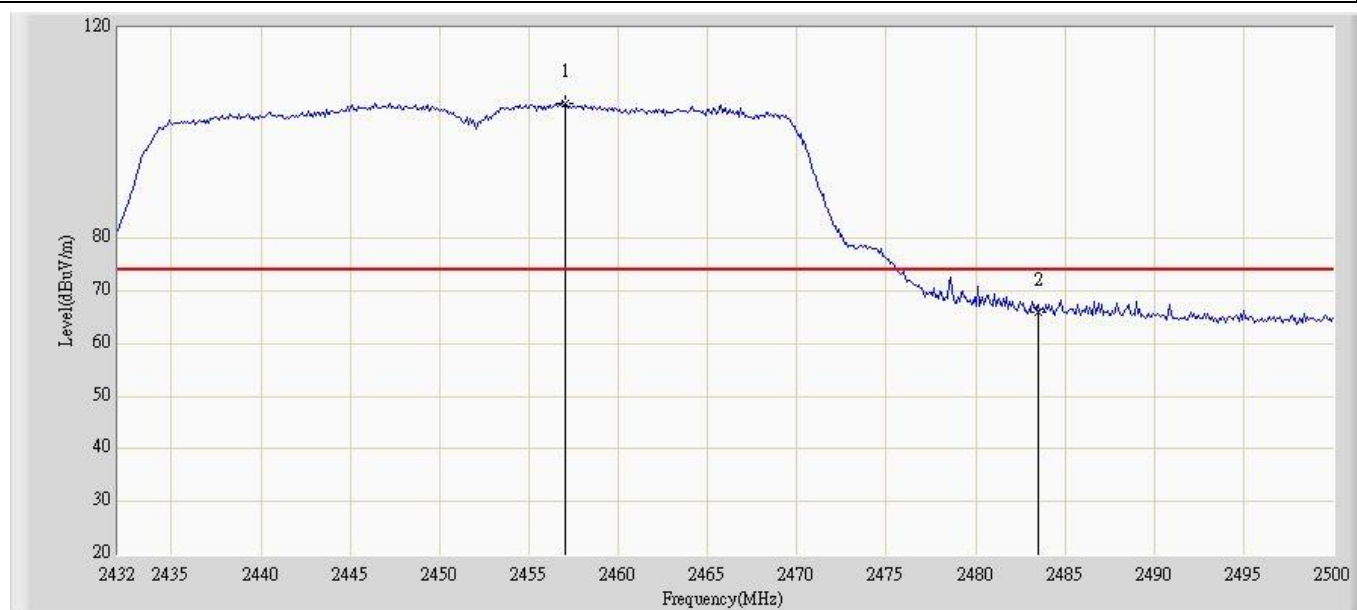


| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      | *    | 2457.755        | 92.794                 | 55.477               | N/A             | N/A            | 37.317 | AV   |
| 2  |      |      | 2483.500        | 53.198                 | 15.757               | -0.802          | 54.000         | 37.441 | AV   |





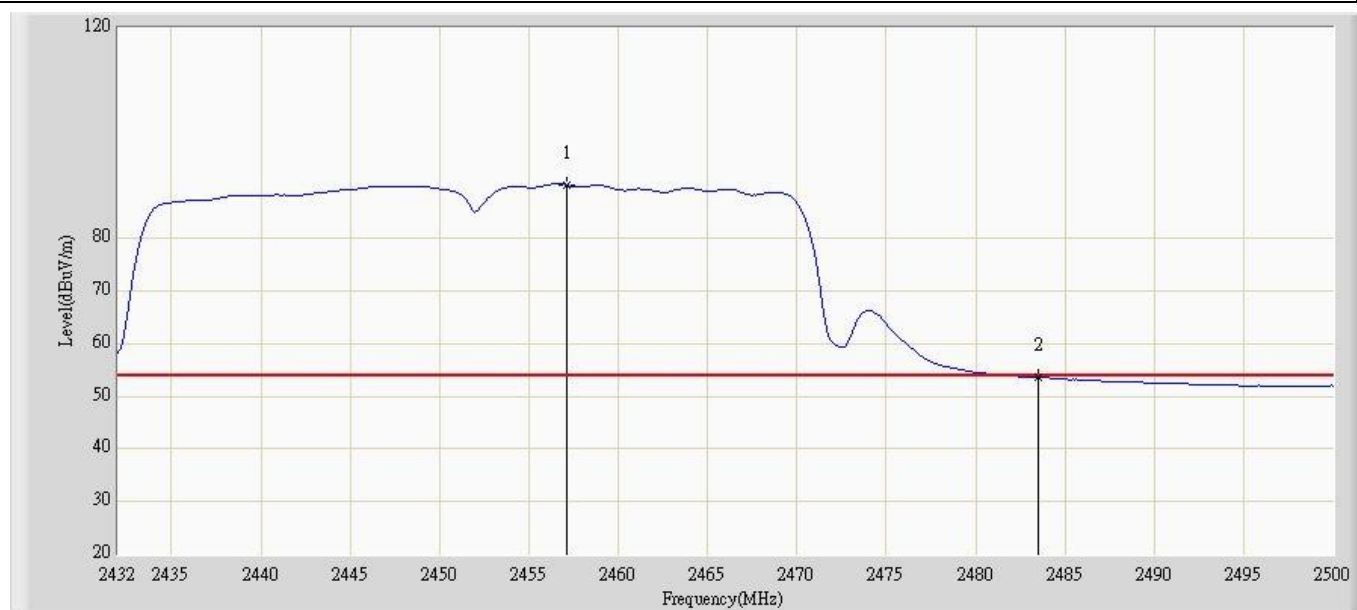
|                                                               |                         |
|---------------------------------------------------------------|-------------------------|
| Site: AC103                                                   | Time: 2015/12/02- 15:30 |
| Limit: FCC_Part15.209_RE(3m)                                  | Margin: 0               |
| Probe: 2.4G-Bandedge                                          | Polarity: Horizontal    |
| EUT: Wireless N VDSL2 4-ports Gateway                         | Power: AC 120V/60Hz     |
| Note: Mode4: Transmit at Channel 2452MHz by 802.11n40 Ant 1+2 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      | *    | 2457.064        | 105.516                | 67.275               | N/A             | N/A            | 38.242 | PK   |
| 2  |      |      | 2483.500        | 65.894                 | 27.419               | -8.106          | 74.000         | 38.475 | PK   |



|                                                               |                         |
|---------------------------------------------------------------|-------------------------|
| Site: AC103                                                   | Time: 2015/12/02- 15:31 |
| Limit: FCC_Part15.209_RE(3m)                                  | Margin: 0               |
| Probe: 2.4G-Bandedge                                          | Polarity: Horizontal    |
| EUT: Wireless N VDSL2 4-ports Gateway                         | Power: AC 120V/60Hz     |
| Note: Mode4: Transmit at Channel 2452MHz by 802.11n40 Ant 1+2 |                         |



| No | Flag | Mark | Frequency (MHz) | Measure Level (dBuV/m) | Reading Level (dBuV) | Over Limit (dB) | Limit (dBuV/m) | Factor | Type |
|----|------|------|-----------------|------------------------|----------------------|-----------------|----------------|--------|------|
| 1  |      | *    | 2457.160        | 90.163                 | 51.921               | N/A             | N/A            | 38.242 | AV   |
| 2  |      |      | 2483.500        | 53.610                 | 15.135               | -0.390          | 54.000         | 38.475 | AV   |