# FCC TEST REPORT

# (Part 15, Subpart E)

| | |
|---|---|
| Applicant: | Qingdao Intelligent & Precise Electronics Co., Ltd. |
| Address: | No.218 Qianwangang Road, Qingdao Economic & Technological Development Zone, Qingdao City, Shandong Province, P. R. China |

| | |
|---|---|
| Manufacturer or Supplier: | Qingdao Intelligent & Precise Electronics Co., Ltd. |
| Address: | No.218 Qianwangang Road, Qingdao Economic & Technological Development Zone, Qingdao City, Shandong Province, P. R. China |
| Product: | WiFi/BT Module |
| Brand Name: | Hisense |
| Model Name: | MWH543S |
| FCC ID: | 2AJVQ-MWH543S |
| Date of tests: | Nov.19, 2024 ~ Dec. 17, 2024 |

The tests have been carried out according to the requirements of the following standard:

☒ **FCC Part 15, Subpart E, Section 15.407**

**CONCLUSION: The submitted sample was found to COMPLY with the test requirement**

| Prepared by Simon Wang | Approved by Luke Lu |
|---|---|
| Engineer / Mobile Department | Manager / Mobile Department |
| Simon Wang | Luke Lu |
| Date: Dec. 17, 2024 | Date: Dec. 17, 2024 |

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# TABLE OF CONTENTS

# RELEASE CONTROL RECORD

| ISSUE NO. | REASON FOR CHANGE | DATE ISSUED |
|---|---|---|
| PSU-NQN2412200117RF03 | Original release | Dec. 17, 2024 |

# 1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

| APPLIED STANDARD: FCC PART 15, SUBPART E | | |
|---|---|---|
| **STANDARD SECTION** | **TEST TYPE AND LIMIT** | **RESULT** |
| 15.407(b)(9) | AC Power Conducted Emission | Compliance |
| 15.407(b) (1/2/3/4/5) | Radiated Emission & Band Edge Measurement | Compliance |
| 15.407(a/1/2/3) | Maximum conducted output Power | Compliance |
| 15.407(a/1/2/3) | Peak Power Spectral Density | Compliance |
| 15.407(a)(2)(12) | 26 dB Bandwidth | Compliance |
| 15.407(e) | 6 dB Bandwidth | Compliance |
| 15.203 | Antenna Requirement | Compliance |

**NOTE:**

1. Except the data of RSE and Band Edge Measurement, other data please refer to the appendix A and Appendix B.

## 1.1 MEASUREMENT UNCERTAINTY

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

| MEASUREMENT | UNCERTAINTY |
|---|---|
| AC Power Conducted emissions | ±2.70dB |
| Radiated emissions (9KHz~30MHz) | ±2.68dB |
| Radiated emissions (30MHz~1GHz) | ±4.98dB |
| Radiated emissions (1GHz ~6GHz) | ±4.70dB |
| Radiated emissions (6GHz ~18GHz) | ±4.60dB |
| Radiated emissions (18GHz ~40GHz) | ±4.12dB |
| Conducted emissions | ±4.01dB |
| Occupied Channel Bandwidth | ±43.58KHz |
| Conducted Output power | ±2.06dB |
| Power Spectral Density | ±0.85 dB |

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k = 2.

# 2 GENERAL INFORMATION

## 2.1 GENERAL DESCRIPTION OF EUT

| | |
|---|---|
| **PRODUCT** | WiFi/BT Module |
| **BRAND NAME** | Hisense |
| **MODEL NAME** | MWH543S |
| **NOMINAL VOLTAGE** | 3.3Vdc (DC supply) |
| **MODULATION** | OFDM |
| **TRANSFER RATE** | 802.11a: 54.0/ 48.0/ 36.0/ 24.0/ 18.0/ 12.0/ 9.0/ 6.0Mbps<br>802.11n: up to 300.0Mbps<br>802.11ac: up to 866.6Mbps |
| **OPERATING FREQUENCY** | 5180 ~ 5240MHz, 5260 ~ 5320MHz,<br>5500 ~ 5700MHz, 5745 ~ 5825MHz |
| **NUMBER OF CHANNEL** | 5180 ~ 5240MHz:<br>4 for 802.11a, 802.11n/ac (20MHz)<br>2 for 802.11n/ac (40MHz)<br>1 for 802. 802.11ac (80MHz)<br>5260 ~ 5320MHz:<br>4 for 802.11a, 802.11n/ac (20MHz)<br>2 for 802.11n/ac (40MHz)<br>1 for 802.11ac (80MHz)<br>5500 ~ 5700MHz:<br>12 for 802.11a, 802.11n/ac (20MHz)<br>6 for 802.11n/ac (40MHz)<br>3 for 802.11ac (80MHz)<br>5745 ~ 5825MHz:<br>5 for 802.11a, 802.11n/ac (20MHz)<br>2 for 802.11n/ac (40MHz)<br>1 for 802.11ac (80MHz) |
| **MAX. OUTPUT POWER** | 51.05 mW for 5180 ~ 5240MHz<br>57.54 mW for 5260 ~ 5320MHz<br>59.43 mW for 5500 ~ 5700MHz<br>55.85 mW for 5745 ~ 5825MHz |
| **ANTENNA TYPE** | PIFA Antenna |
| **ANTENNA GAIN** | ANT 1 and ANT 2:<br>1.81dBi for 5180 ~ 5240MHz<br>1.81dBi for 5260 ~ 5320MHz<br>1.81dBi for 5500 ~ 5700MHz<br>1.81dBi for 5745 ~ 5825MHz |
| **Directional Gain:** | For Power/PSD:1.81dBi(Uncorrelated) for WIFI |
| **Beamforming Directional** | N/A |

| | |
|---|---|
| **Gain:** | |
| **HW VERSION** | V1.00 |
| **SW VERSION** | N/A |
| **I/O PORTS** | Refer to user's manual |
| **CABLE SUPPLIED** | N/A |

**NOTE**:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

2. The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitter and two receiver.

| MODULATION MODE | TX FUNCTION |
|---|---|
| **802.11a** | 2TX/2RX |
| **802.11n/802.11ac (20MHz)** | 2TX/2RX |
| **802.11n/802.11ac (40MHz)** | 2TX/2RX |
| **802.11ac (80MHz)** | 2TX/2RX |

3. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.
4. Antenna gain and EUT conducted cable loss are provided by the customer, and the laboratory will record the results based on these items that involve these two parameters.

## 2.2 DESCRIPTION OF TEST MODES

### FOR 5180 ~ 5240MHz

4 channels are provided for 802.11a, 802.11n, 802.11ac (20MHz):

| CHANNEL | FREQUENCY | CHANNEL | FREQUENCY |
|---|---|---|---|
| 36 | 5180 MHz | 44 | 5220 MHz |
| 40 | 5200 MHz | 48 | 5240 MHz |

2 channels are provided for 802.11n, 802.11ac (40MHz):

| CHANNEL | FREQUENCY | CHANNEL | FREQUENCY |
|---|---|---|---|
| 38 | 5190 MHz | 46 | 5230 MHz |

1 channel is provided for 802.11ac/ax (80MHz)/ 802.11ax (80MHz RU 996):

| CHANNEL | FREQUENCY | CHANNEL | FREQUENCY |
|---|---|---|---|
| 42 | 5210 MHz | | |

### FOR 5260 ~ 5320MHz

4 channels are provided for 802.11a, 802.11n, 802.11ac (20MHz):

| CHANNEL | FREQUENCY | CHANNEL | FREQUENCY |
|---|---|---|---|
| 52 | 5260 MHz | 60 | 5300 MHz |
| 56 | 5280 MHz | 64 | 5320 MHz |

2 channels are provided for 802.11n, 802.11ac/ax (40MHz)/ 802.11ax (40MHz RU 484):

| CHANNEL | FREQUENCY | CHANNEL | FREQUENCY |
|---|---|---|---|
| 54 | 5270 MHz | 62 | 5310 MHz |

1 channel is provided for 802.11ac/ax (80MHz)/ 802.11ax (80MHz RU 996):

| CHANNEL | FREQUENCY | CHANNEL | FREQUENCY |
|---|---|---|---|
| 58 | 5290 MHz | | |

**FOR 5500 ~ 5700MHz**

12 channels are provided for 802.11a, 802.11n, 802.11ac (20MHz):

| CHANNEL | FREQUENCY | CHANNEL | FREQUENCY |
|---|---|---|---|
| 100 | 5500 MHz | 124 | 5620MHz |
| 104 | 5520 MHz | 128 | 5640MHz |
| 108 | 5540 MHz | 132 | 5660 MHz |
| 112 | 5560 MHz | 136 | 5680 MHz |
| 116 | 5580 MHz | 140 | 5700 MHz |
| 120 | 5600 MHz | | |

6 channels are provided for 802.11n, 802.11ac (40MHz):

| CHANNEL | FREQUENCY | CHANNEL | FREQUENCY |
|---|---|---|---|
| 102 | 5510 MHz | 126 | 5630MHz |
| 110 | 5550 MHz | 134 | 5670 MHz |
| 118 | 5590 MHz | | |

3 channel is provided for 802.11ac (80MHz):

| CHANNEL | FREQUENCY | CHANNEL | FREQUENCY |
|---|---|---|---|
| 106 | 5530 MHz | 122 | 5610 MHz |

**FOR 5745 ~ 5825MHz**

5 channels are provided for 802.11a, 802.11n, 802.11ac (20MHz):

| CHANNEL | FREQUENCY | CHANNEL | FREQUENCY |
|---|---|---|---|
| 149 | 5745 MHz | 161 | 5805 MHz |
| 153 | 5765 MHz | 165 | 5825 MHz |
| 157 | 5785 MHz | | |

2 channels are provided for 802.11n, 802.11ac (40MHz):

| CHANNEL | FREQUENCY | CHANNEL | FREQUENCY |
|---|---|---|---|
| 142 | 5710 MHz | 159 | 5795 MHz |
| 151 | 5755 MHz | | |

1 channel is provided for 802.11ac (80MHz):

| CHANNEL | FREQUENCY |
|---|---|
| 155 | 5775 MHz |

## 2.2.1 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

| EUT CONFIGURE MODE | APPLICABLE TO | | | | DESCRIPTION |
|---|---|---|---|---|---|
| | RE≥1G | RE<1G | PLC | APCM | |
| **A** | √ | √ | √ | **-** | **Powered by Adapter with wifi(5G) link** |
| B | - | - | - | √ | Powered by Battery with wifi(5G) link |
| C | - | - | - | - | Powered by USB with wifi(5G) link |

Where **RE≥1G:** Radiated Emission above 1GHz **RE<1G:** Radiated Emission below 1GHz
**PLC:** Power Line Conducted Emission **APCM:** Antenna Port Conducted Measurement

**NOTE:**
The EUT had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on **X-plane.**
**NOTE:** "-"means no effect

**RADIATED EMISSION TEST (BELOW 1GHz):**

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
☒ The following channel(s) was (were) selected for the final test as listed below.

| EUT CONFIGURE MODE | MODE | FREQ. BAND (MHz) | AVAILABLE CHANNEL | TESTED CHANNEL | MODULATION | DATA RATE (Mbps) |
|---|---|---|---|---|---|---|
| A | 802.11a | 5745-5825 | 142 to 159 | 159 | OFDM | MCS0 |

## RADIATED EMISSION TEST (ABOVE 1GHz):

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

☒ The following channel(s) was (were) selected for the final test as listed below.

| EUT CONFIGURE MODE | MODE | FREQ. BAND (MHz) | AVAILABLE CHANNEL | TESTED CHANNEL | MODULATION | DATA RATE (Mbps) |
|---|---|---|---|---|---|---|
| A | 802.11a | 5180-5240 | 36 to 48 | 36, 40, 48 | OFDM | 6.0 |
| A | 802.11n/ac (20MHz) | | 36 to 48 | 36, 40, 48 | OFDM | MCS0 |
| A | 802.11n/ac (40MHz) | | 38 to 46 | 38, 46 | OFDM | MCS0 |
| A | 802.11ac (80MHz) | | 42 | 42 | OFDM | MCS0 |
| A | 802.11a | 5260-5320 | 52 to 64 | 52, 60, 64 | OFDM | 6.0 |
| A | 802.11n/ac (20MHz) | | 52 to 64 | 52, 60, 64 | OFDM | MCS0 |
| A | 802.11n/ac (40MHz) | | 54 to 62 | 54, 62 | OFDM | MCS0 |
| A | 802.11ac (80MHz) | | 58 | 58 | OFDM | MCS0 |
| A | 802.11a | 5500-5700 | 100 to 144 | 100, 116, 140 | OFDM | 6.0 |
| A | 802.11n/ac (20MHz) | | 100 to 144 | 100, 116, 140 | OFDM | MCS0 |
| A | 802.11n/ac (40MHz) | | 102 to 142 | 102, 110, 134 | OFDM | MCS0 |
| A | 802.11ac (80MHz) | | 106 to 138 | 106 | OFDM | MCS0 |
| A | 802.11a | 5745-5825 | 144 to 165 | 144,149, 157,165 | OFDM | 6.0 |
| A | 802.11n/ac (20MHz) | | 144 to 165 | 144,149, 157,165 | OFDM | MCS0 |
| A | 802.11n/ac (40MHz) | | 142 to 159 | 142,151, 159 | OFDM | MCS0 |
| A | 802.11ac (80MHz) | | 138 to 155 | 138,155 | OFDM | MCS0 |

## POWER LINE CONDUCTED EMISSION TEST:

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

☒ The following channel(s) was (were) selected for the final test as listed below.

| EUT CONFIGURE MODE | MODE | FREQ. BAND (MHz) | AVAILABLE CHANNEL | TESTED CHANNEL | MODULATION | DATA RATE (Mbps) |
|---|---|---|---|---|---|---|
| A | 802.11a | 5745-5825 | 142 to 159 | 159 | OFDM | MCS0 |

## BANDEDGE MEASUREMENT:

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

☒ The following channel(s) was (were) selected for the final test as listed below.

| EUT CONFIGURE MODE | MODE | FREQ. BAND (MHz) | AVAILABLE CHANNEL | TESTED CHANNEL | MODULATION | DATA RATE (Mbps) |
|---|---|---|---|---|---|---|
| A | 802.11a | 5180-5240 | 36 to 48 | 36, 40, 48 | OFDM | 6.0 |
| A | 802.11n/ac (20MHz) | | 36 to 48 | 36, 40, 48 | OFDM | MCS0 |
| A | 802.11n/ac (40MHz) | | 38 to 46 | 38, 46 | OFDM | MCS0 |
| A | 802.11ac (80MHz) | | 42 | 42 | OFDM | MCS0 |
| A | 802.11a | 5260-5320 | 52 to 64 | 52, 60, 64 | OFDM | 6.0 |
| A | 802.11n/ac (20MHz) | | 52 to 64 | 52, 60, 64 | OFDM | MCS0 |
| A | 802.11n/ac (40MHz) | | 54 to 62 | 54, 62 | OFDM | MCS0 |
| A | 802.11ac (80MHz) | | 58 | 58 | OFDM | MCS0 |
| A | 802.11a | 5500-5700 | 100 to 144 | 100, 116, 140 | OFDM | 6.0 |
| A | 802.11n/ac (20MHz) | | 100 to 144 | 100, 116, 140 | OFDM | MCS0 |
| A | 802.11n/ac (40MHz) | | 102 to 142 | 102, 110, 134 | OFDM | MCS0 |
| A | 802.11ac (80MHz) | | 106 to 138 | 106 | OFDM | MCS0 |
| A | 802.11a | 5745-5825 | 144 to 165 | 144, 149, 157,165 | OFDM | 6.0 |
| A | 802.11n/ac (20MHz) | | 144 to 165 | 144, 149, 157,165 | OFDM | MCS0 |
| A | 802.11n/ac (40MHz) | | 142 to 159 | 142, 151, 159 | OFDM | MCS0 |
| A | 802.11ac (80MHz) | | 138,155 | 138, 155 | OFDM | MCS0 |

## ANTENNA PORT CONDUCTED MEASUREMENT:

☒ This item includes all test value of each mode, but only includes spectrum plot of worst value of each mode.
☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
☒ The following channel(s) was (were) selected for the final test as listed below.

| EUT CONFIGURE MODE | MODE | FREQ. BAND (MHz) | AVAILABLE CHANNEL | TESTED CHANNEL | MODULATION | DATA RATE (Mbps) |
|---|---|---|---|---|---|---|
| A | 802.11a | 5180-5240 | 36 to 48 | 36, 40, 48 | OFDM | 6.0 |
| A | 802.11n/ac (20MHz) | | 36 to 48 | 36, 40, 48 | OFDM | MCS0 |
| A | 802.11n/ac (40MHz) | | 38 to 46 | 38, 46 | OFDM | MCS0 |
| A | 802.11ac (80MHz) | | 42 | 42 | OFDM | MCS0 |
| A | 802.11a | 5260-5320 | 52 to 64 | 52, 60, 64 | OFDM | 6.0 |
| A | 802.11n/ac (20MHz) | | 52 to 64 | 52, 60, 64 | OFDM | MCS0 |
| A | 802.11n/ac (40MHz) | | 54 to 62 | 54, 62 | OFDM | MCS0 |
| A | 802.11ac (80MHz) | | 58 | 58 | OFDM | MCS0 |
| A | 802.11a | 5500-5700 | 100 to 144 | 100, 116, 140, 144 | OFDM | 6.0 |
| A | 802.11n/ac (20MHz) | | 100 to 144 | 100, 116, 140, 144 | OFDM | MCS0 |
| A | 802.11n/ac (40MHz) | | 102 to 142 | 102, 110, 134, 142 | OFDM | MCS0 |
| A | 802.11ac (80MHz) | | 106 to 138 | 106, 138 | OFDM | MCS0 |
| A | 802.11a | 5745-5825 | 144 to 165 | 144, 149, 157,165 | OFDM | 6.0 |
| A | 802.11n/ac (20MHz) | | 144 to 165 | 144, 149, 157,165 | OFDM | MCS0 |
| A | 802.11n/ac (40MHz) | | 142 to 159 | 142, 151, 159 | OFDM | MCS0 |
| A | 802.11ac (80MHz) | | 138,155 | 138, 155 | OFDM | MCS0 |

## TEST CONDITION:

| APPLICABLE TO | ENVIRONMENTAL CONDITIONS | INPUT POWER | TESTED BY |
|---|---|---|---|
| RE<1G | 23deg. C, 70%RH | DC 3.3V By DC Supply | Jace Hu |
| RE≥1G | 23deg. C, 70%RH | DC 3.3V By DC Supply | Jace Hu |
| PLC | 25deg. C, 52%RH | DC 3.3V By DC Supply | James Fu |
| APCM | 25deg. C, 60%RH | DC 3.6V By DC Supply | James Fu |

## 2.3 DUTY CYCLE OF TEST SIGNAL

Please Refer to Appendix A/B Of this test report.

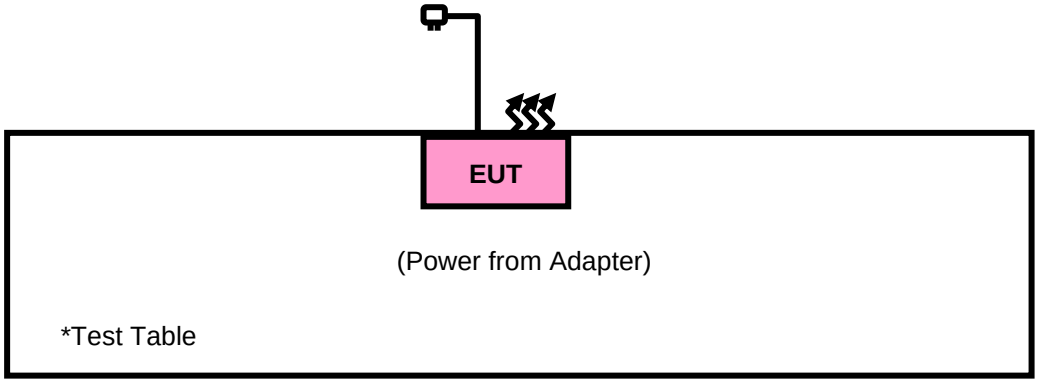
## 2.4 DESCRIPTION OF SUPPORT UNITS

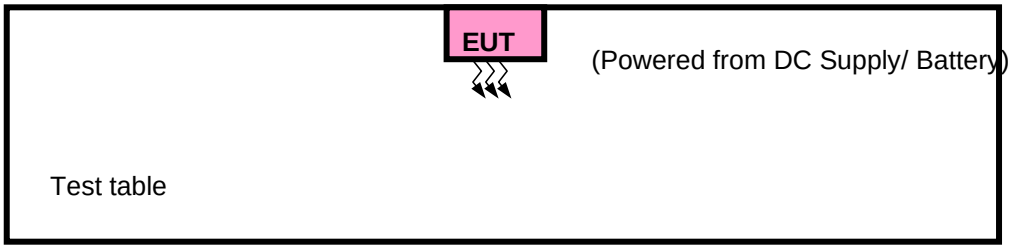
The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

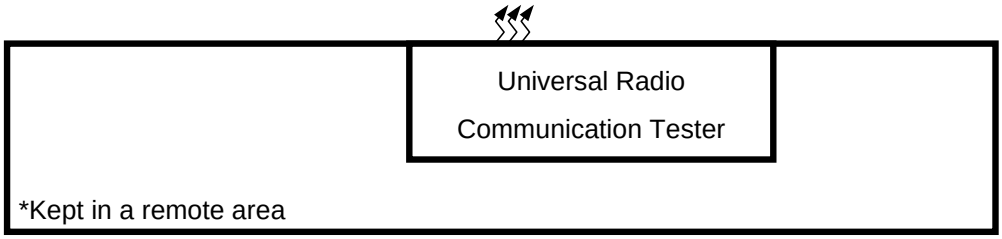
| NO. | PRODUCT | BRAND | MODEL NO. | SERIAL NO. | FCC ID |
|---|---|---|---|---|---|
| 1 | Desktop | Lenovo | M73 SFF | PC04GRQV | N/A |
| 2 | Desktop | Lenovo | M73 SFF | PC06CS27 | N/A |
| 3 | Laptop | Lenovo | ThinkpadL440 | R90FTFKN | N/A |
| 4 | DC source | Kikusui/JP | PMX18-5A | 0000001 | N/A |

| NO. | SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS |
|---|---|
| 1 | AC Line: Unshielded, Detachable 1.5m |
| 2 | AC Line: Unshielded, Detachable 1.5m |
| 3 | AC Line: Unshielded, Detachable 1.5m |
| 4 | DC Line: Unshielded, Detachable 1.0m |

## 2.4.1 CONFIGURATION OF SYSTEM UNDER TEST



## 2.5 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

**FCC Part 15, Subpart E (15.407)**
**KDB 789033 D02 General U-NII Test Procedures New Rules v02r01**
**ANSI C63.10-2020**

All test items have been performed and recorded as per the above standards.

**NOTE:** The EUT is also considered as a kind of computer peripheral, because the connection to computer is necessary for typical use. It has been verified to comply with the requirements of FCC Part 15, Subpart B, Class B (Certification). The test report has been issued separately.

# 3 TEST TYPES AND RESULTS

## 3.1 RADIATED EMISSION AND BANDEDGE MEASUREMENT

### 3.1.1 LIMITS OF RADIATED EMISSION AND BANDEDGE MEASUREMENT

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table:

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

**NOTE**:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. For frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

### 3.1.2 LIMITS OF UNWANTED EMISSION

<table>
<tr><td rowspan="2">RESTRICTED BANDS</td><td>APPLICABLE TO</td><td colspan="2">LIMIT</td></tr>
<tr><td rowspan="2">789033 D02 General UNII Test Procedures New Rules v02r01</td><td colspan="2">FIELD STRENGTH AT 3m (dBµV/m)</td></tr>
<tr><td>PK : 74</td><td>AV : 54</td></tr>
<tr><td rowspan="5">OUT OF THE RESTRICTED BANDS</td><td>APPLICABLE TO</td><td>EIRP LIMIT (dBm/MHz)</td><td>EQUIVALENT FIELD STRENGTH AT 3m (dBµV/m)</td></tr>
<tr><td>15.407(b)(1)</td><td rowspan="3">PK : -27</td><td rowspan="3">PK : 68.2</td></tr>
<tr><td>15.407(b)(2)</td></tr>
<tr><td>15.407(b)(3)</td></tr>
<tr><td>15.407(b)(4)</td><td colspan="2">See note 2 (FCC 16-24)</td></tr>
</table>

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

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

2. All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

### 3.1.3 TEST INSTRUMENTS

| Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Next Cal. |
|---|---|---|---|---|---|
| 3m Semi-anechoic Chamber | ETS-LINDGREN | 9m*6m*6m | Euroshieldpn-CT0001143-1216 | Nov. 14,23 | Nov. 13,26 |
| Bilog Antenna | ETS-LINDGREN | 3143B | 00161965 | Feb. 17,24 | Feb. 16,25 |
| Horn Antenna | ETS-LINDGREN | 3117 | 00168692 | Feb. 17,24 | Feb. 16,25 |
| Horn Antenna (18GHz-40GHz) | N/A | QWH-SL-18-40-K-SG/QMS-00361 | 15433 | Sep.02, 24 | Sep.01, 25 |
| Test Software | E3 | V 9.160323 | N/A | N/A | N/A |
| Test Software | JS1120-3 | 3.2.06 | N/A | N/A | N/A |
| 10dB Attenuator | JFW/USA | 50HF-010-SMA | N/A | May. 05,24 | May. 04,25 |
| MXE EMI Receiver | KEYSIGHT | N9038A-544 | MY54450026 | Mar. 27,24 | Mar. 26,25 |
| Signal Pre-Amplifier | EMSI | EMC 9135 | 980249 | May. 05,24 | May. 04,25 |
| Signal Pre-Amplifier | EMSI | EMC 012645B | 980257 | May.09,24 | May.08,25 |
| Signal Pre-Amplifier | EMSI | EMC 184045B | 980259 | Feb. 16,24 | Feb. 15,25 |
| DC Source | Kikusui/JP | PMX18-5A | 0000001 | Aug. 10,24 | Aug. 09,25 |
| Power Meter | Anritsu | ML2495A | 1506002 | Feb. 13,24 | Feb. 12,25 |
| Power Sensor | Anritsu | MA2411B | 1339352 | Feb. 13,24 | Feb. 12,25 |
| Loop Antenna | Schwarzbeck | FMZB 1519B | 00173 | Sep.01,24 | Aug.31,25 |

**NOTE:** 1. The calibration interval of the above test instruments is 12 months or 36 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.

2. The test was performed in 3m Chamber.

3. The FCC Site Registration No. is 525120; The Designation No. is CN1171.

### 3.1.4 TEST PROCEDURES

a. The EUT was placed on the top of a rotating table 0.8 meters (for below 1GHz) / 1.5 meters (for above 1GHz) above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

**NOTE:**

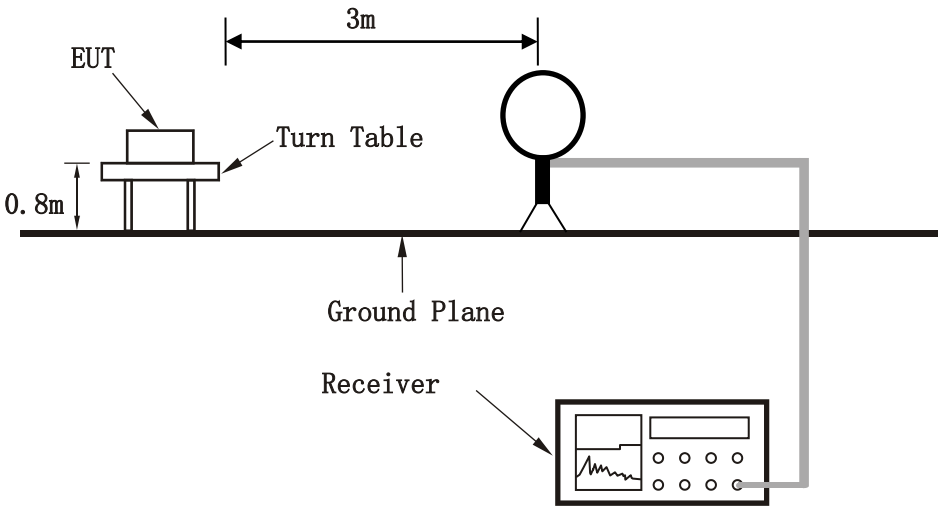
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Peak detection (PK) and Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for RMS Average (Duty cycle < 98%) for Average detection (AV) at frequency above 1GHz, then the measurement results was added to a correction factor (10 log(1/duty cycle)).
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz (Duty cycle ≥ 98%) for Average detection (AV) at frequency above 1GHz.
5. All modes of operation were investigated and the worst-case emissions are reported.

### 3.1.5 DEVIATION FROM TEST STANDARD

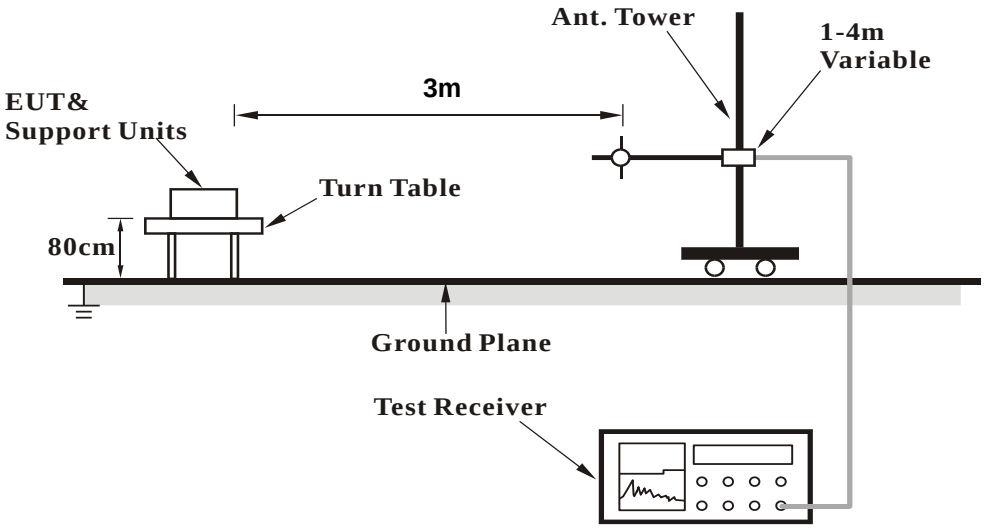
No deviation.

## 3.1.6 TEST SETUP

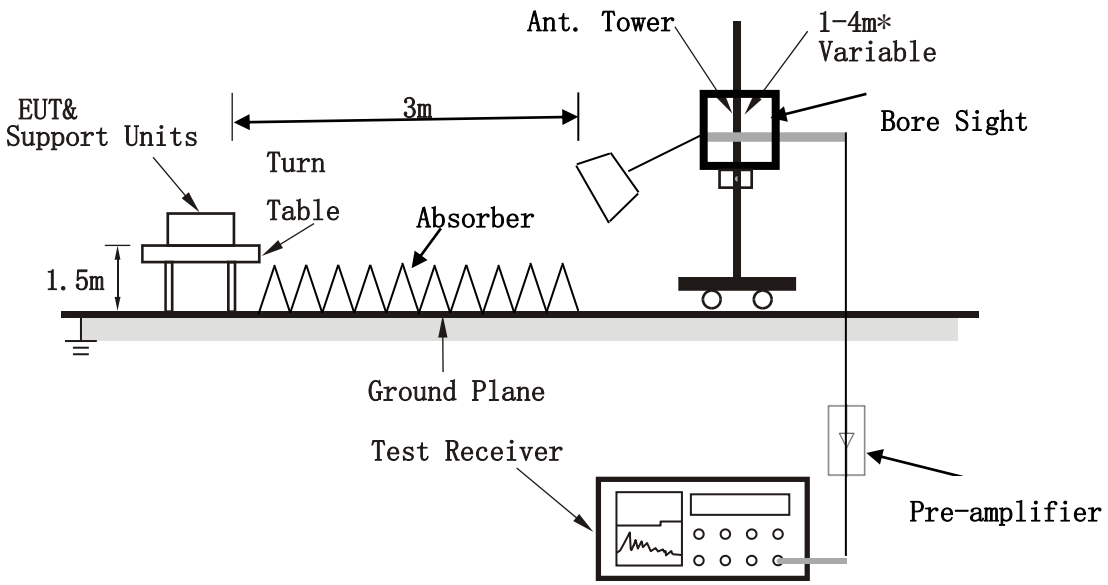
**<Frequency Range 9KHz~30MHz >**




**< Frequency Range 30MHz~1GHz >**



**<Frequency Range above 1GHz>**




**Note**: Above 1G is a directional antenna

Depends on the EUT height and the antenna 3dB beamwidth both, refer to section 7.3 of CISPR 16-2-3.

For the actual test configuration, please refer to the attached file (Test Setup Photo).

### 3.1.7 EUT OPERATING CONDITION

a. Set the EUT under full load condition and placed them on a testing table.

b. Set the transmitter part of EUT under transmission condition continuously at specific channel frequency.

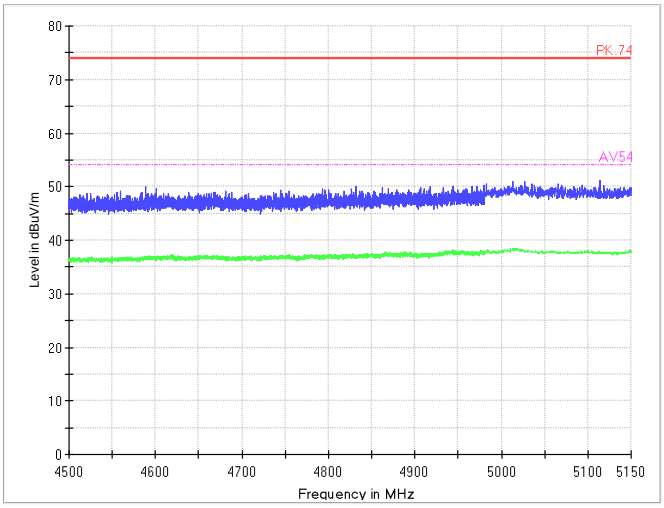
c. The necessary accessories enable the EUT in full functions.

### 3.1.8 TEST RESULTS

NOTE ： The 9K~30MHz amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required in the report.

**Radiated Emission Band Edge for WIFI**

**20M**

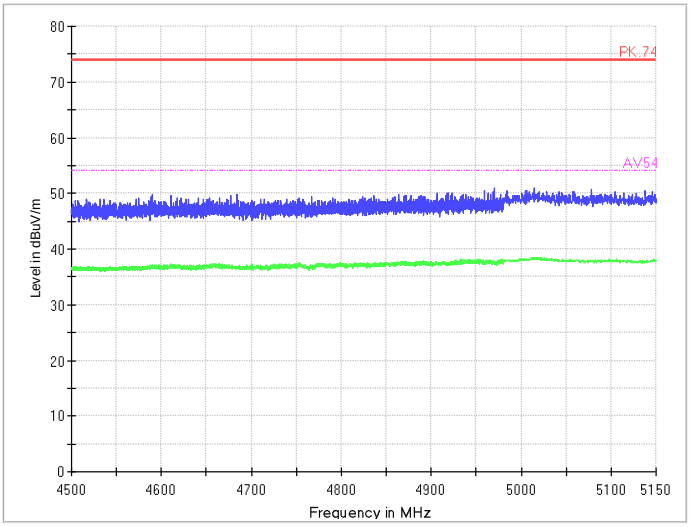



Radiated Emission Band Edge

Channel No.:36

Test Mode: 802.11a

Polarization：V

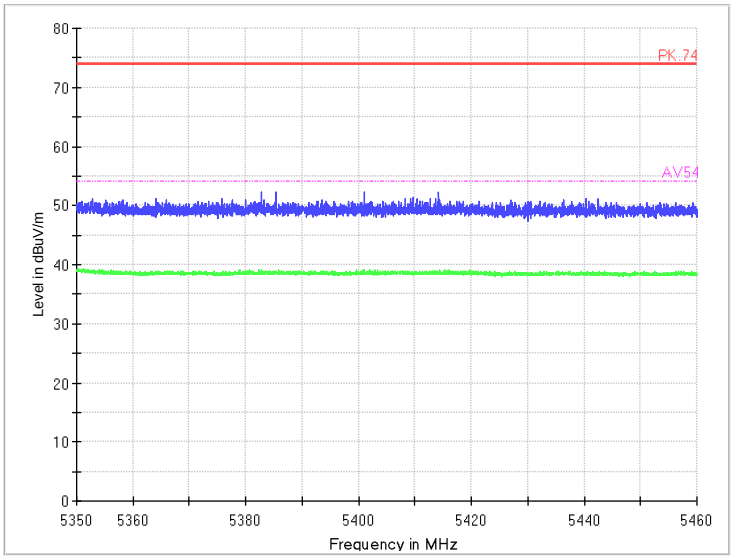



Radiated Emission Band Edge

Channel No.:36

Test Mode: 802.11a

Polarization：H

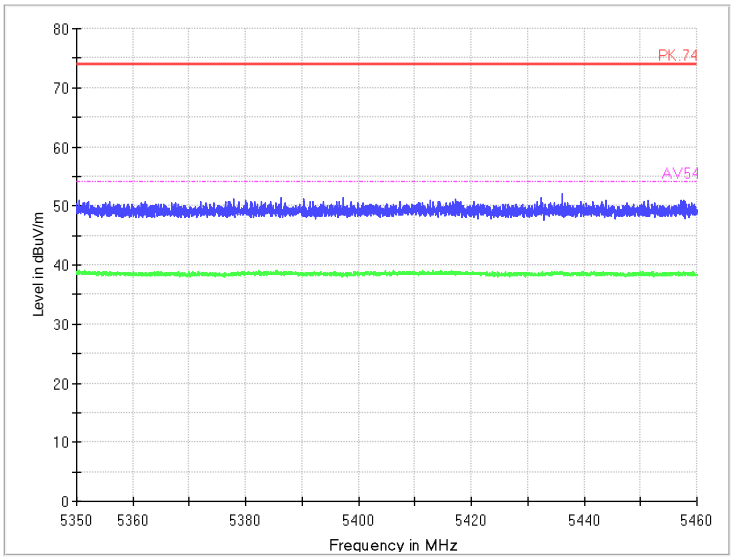



Radiated Emission Band Edge

Channel No.:64

Test Mode: 802.11a

Polarization：V

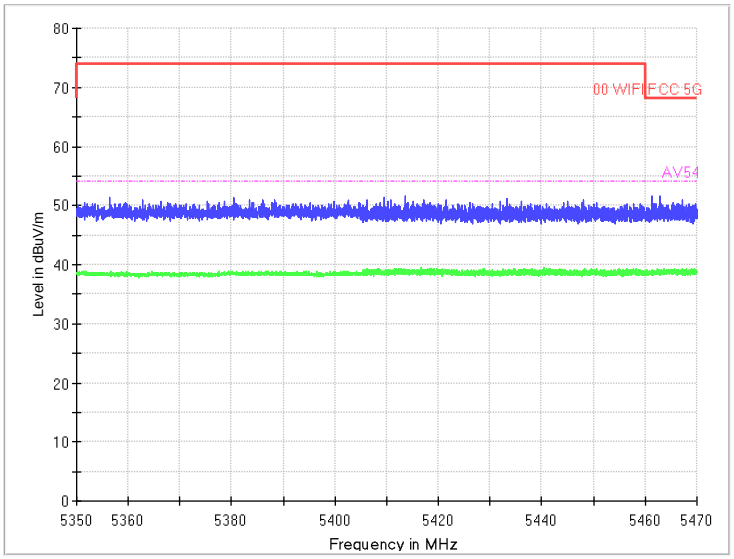



Radiated Emission Band Edge

Channel No.:64

Test Mode: 802.11a

Polarization：H

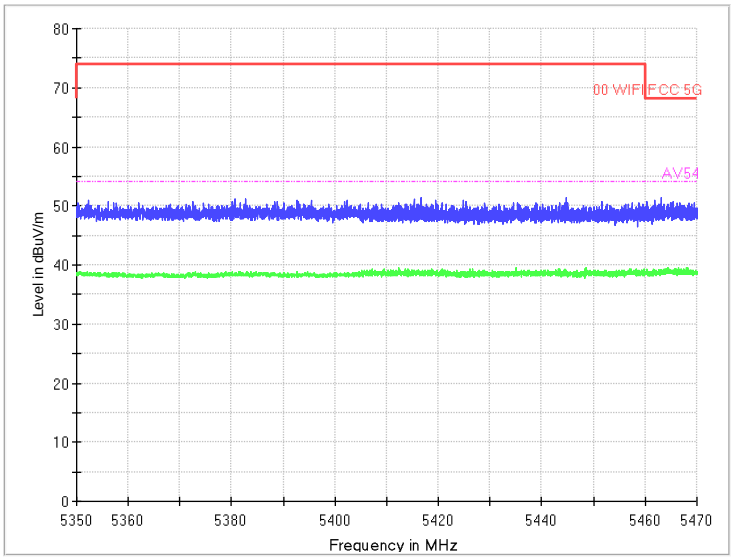



Radiated Emission Band Edge

Channel No.:100

Test Mode: 802.11a

Polarization：V

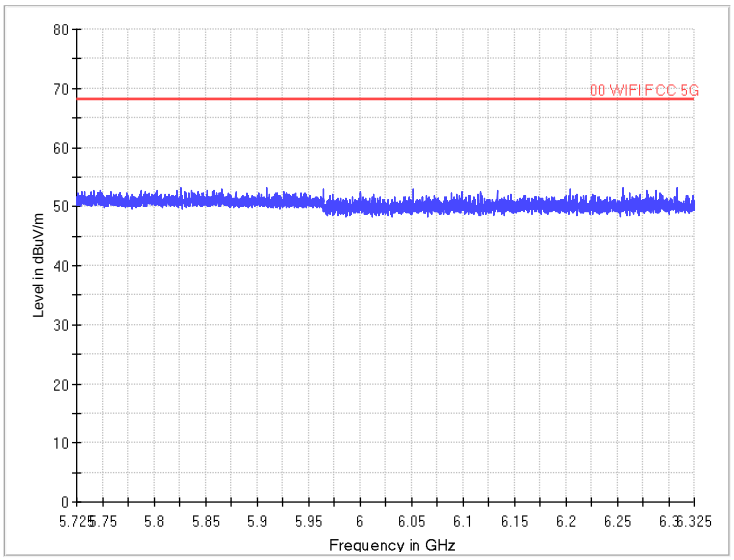



Radiated Emission Band Edge

Channel No.:100

Test Mode: 802.11a

Polarization：H

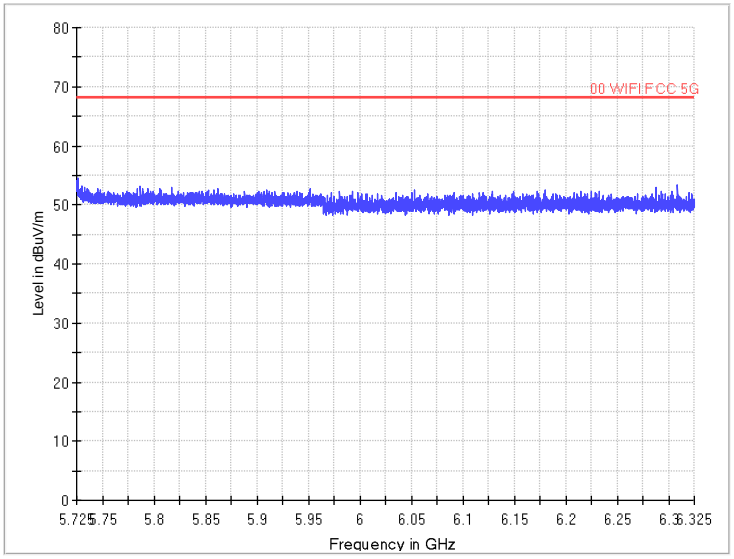



Radiated Emission Band Edge

Channel No.:140

Test Mode: 802.11a

Polarization：V

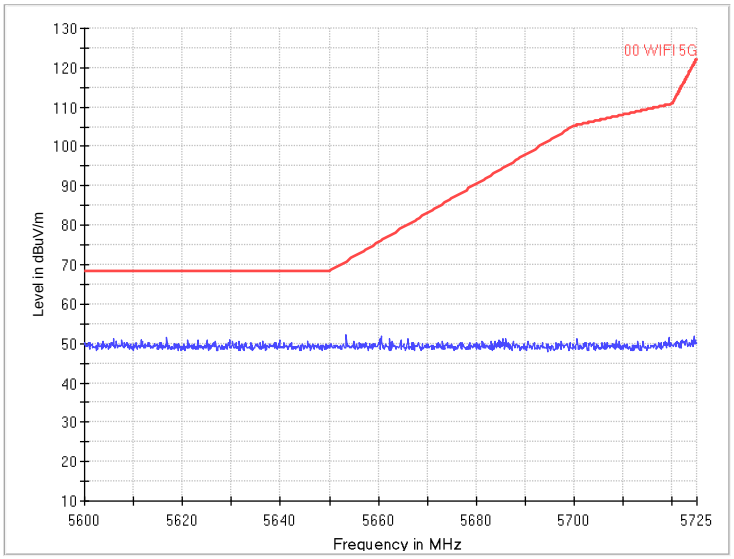



Radiated Emission Band Edge

Channel No.:140

Test Mode: 802.11a

Polarization：H

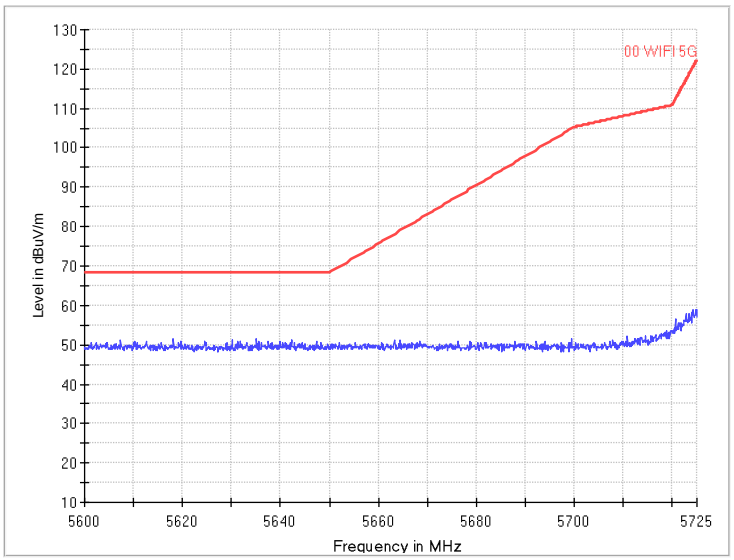



Radiated Emission Band Edge

Channel No.:149

Test Mode: 802.11a

Polarization：V

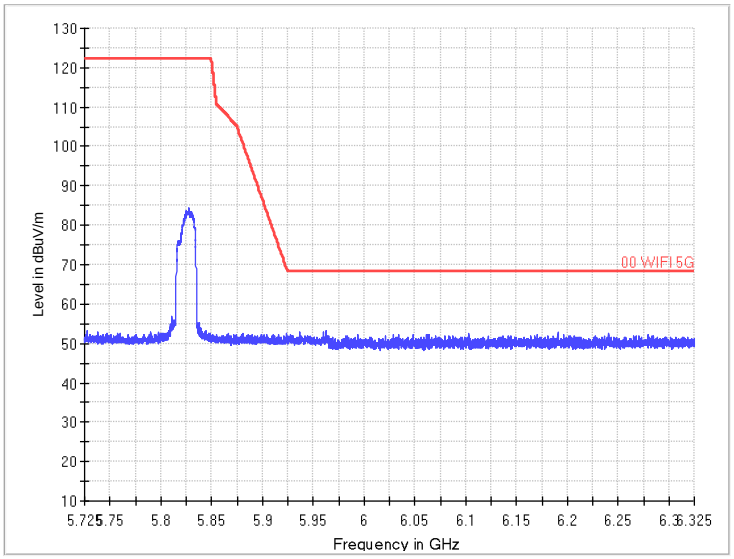



Radiated Emission Band Edge

Channel No.:149

Test Mode: 802.11a

Polarization：H

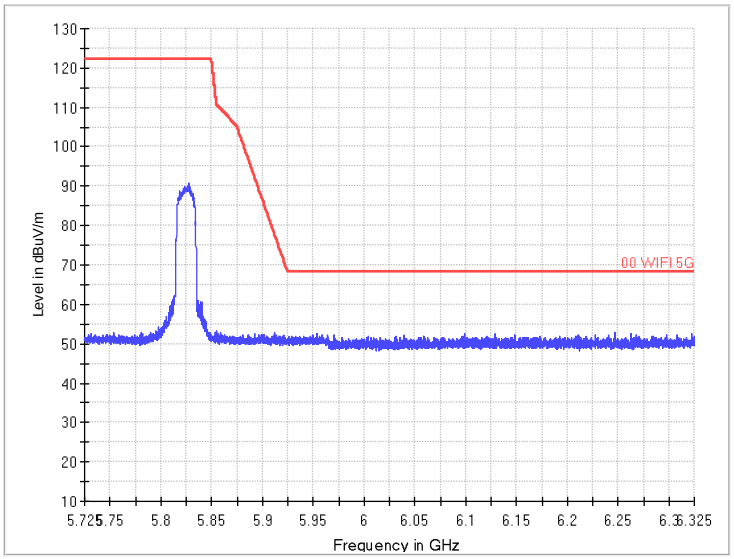



Radiated Emission Band Edge

Channel No.:165

Test Mode: 802.11a

Polarization：V

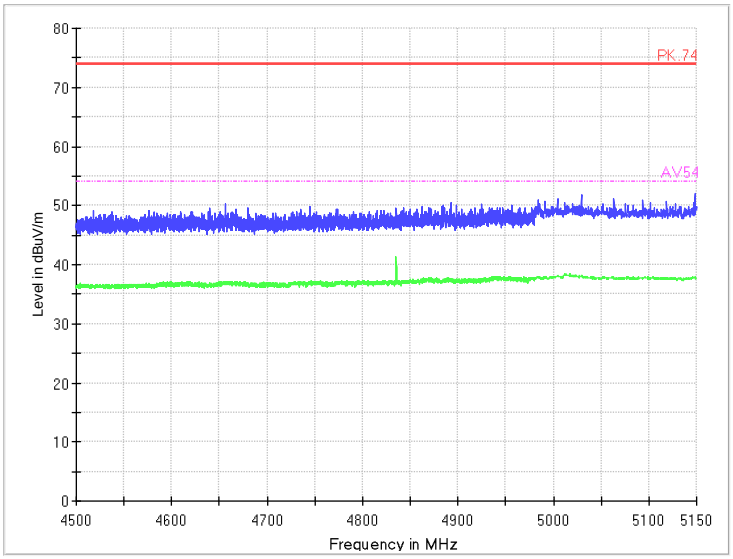



Radiated Emission Band Edge

Channel No.:165

Test Mode: 802.11a

Polarization：H

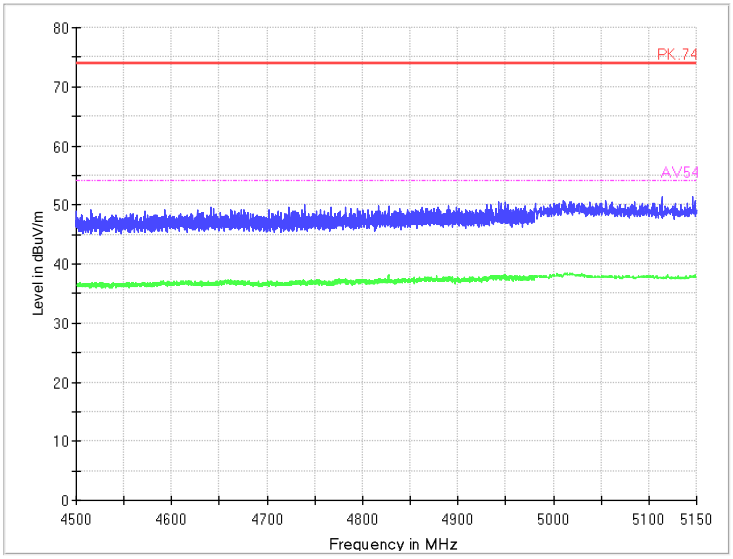



Radiated Emission Band Edge

Channel No.:36

Test Mode: 802.11n

Polarization：V

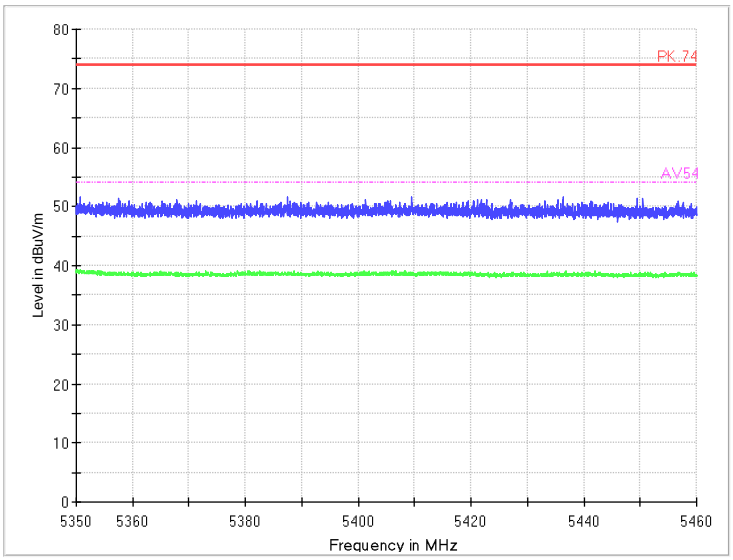



Radiated Emission Band Edge

Channel No.:36

Test Mode: 802.11n

Polarization：H

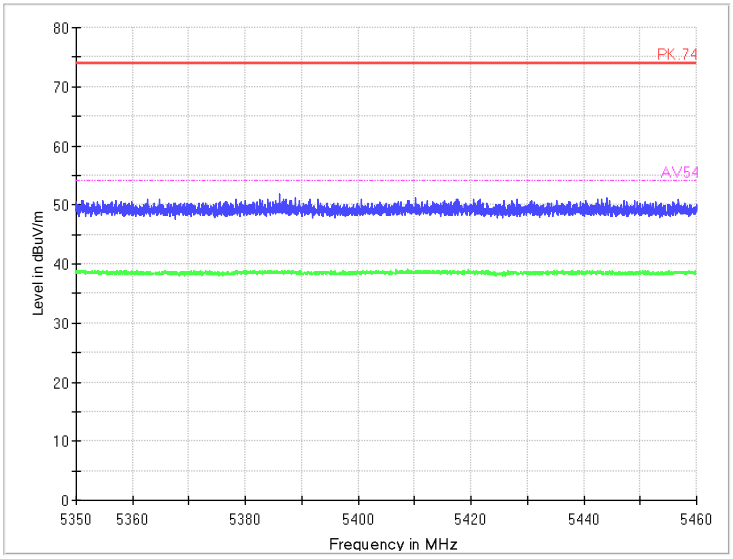



Radiated Emission Band Edge

Channel No.:64

Test Mode: 802.11n

Polarization：V

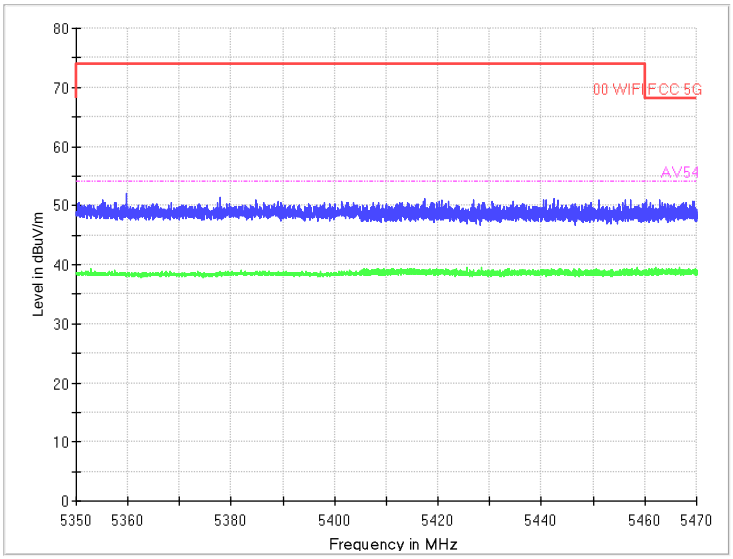



Radiated Emission Band Edge

Channel No.:64

Test Mode: 802.11n

Polarization：H

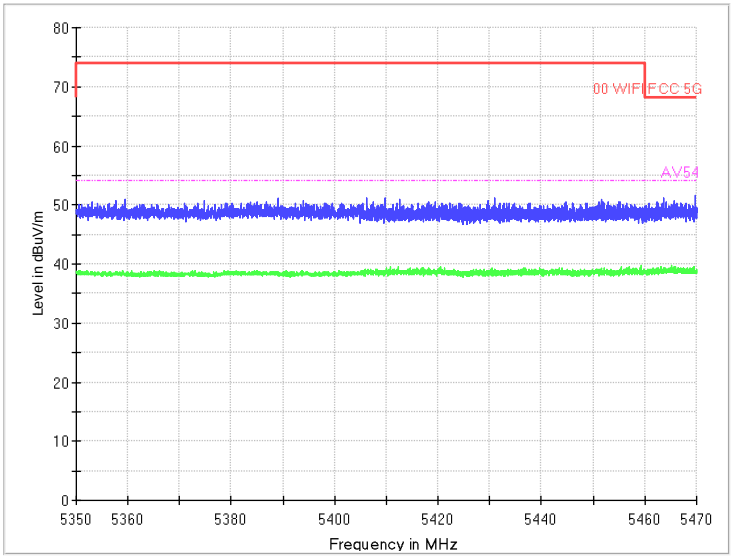



Radiated Emission Band Edge

Channel No.:100

Test Mode: 802.11n

Polarization：V

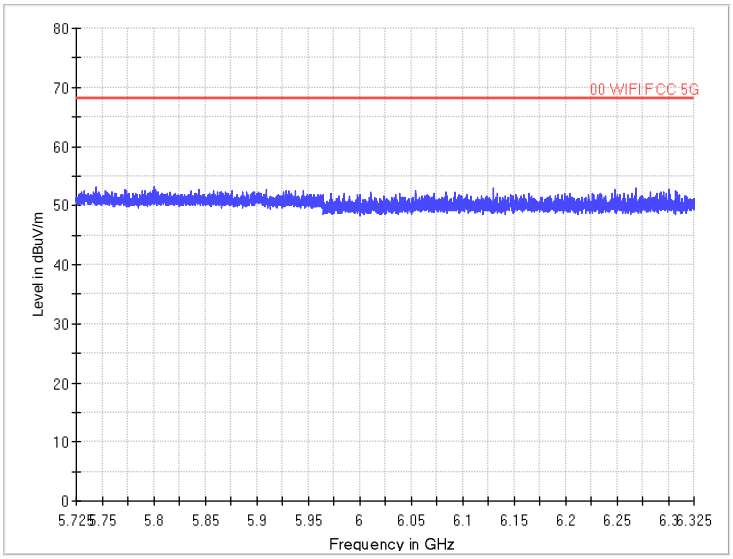



Radiated Emission Band Edge

Channel No.:100

Test Mode: 802.11n

Polarization：H

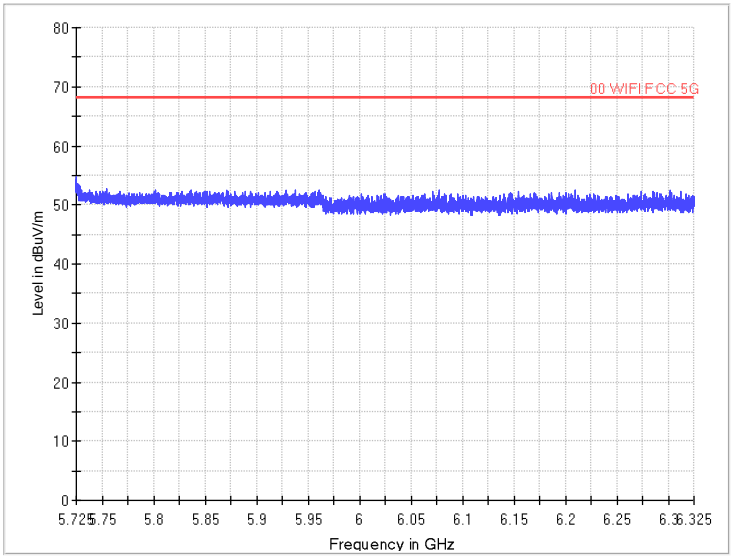



Radiated Emission Band Edge

Channel No.:140

Test Mode: 802.11n

Polarization：V

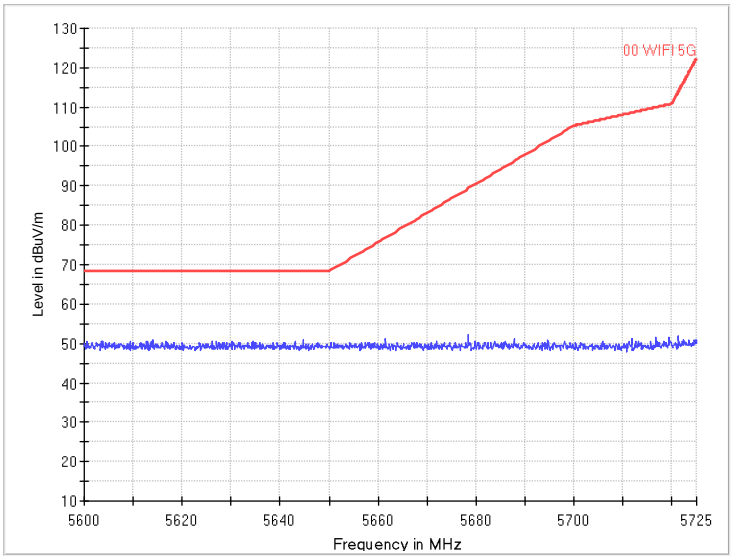



Radiated Emission Band Edge

Channel No.:140

Test Mode: 802.11n

Polarization：H

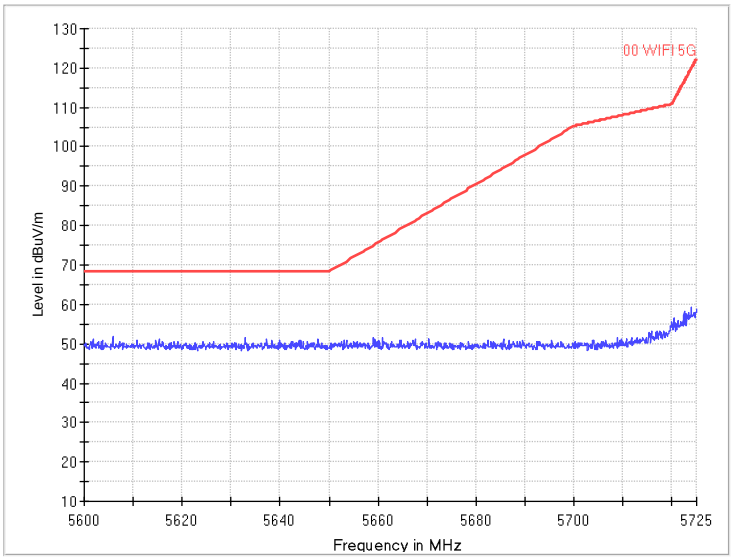



Radiated Emission Band Edge

Channel No.:149

Test Mode: 802.11n

Polarization：V

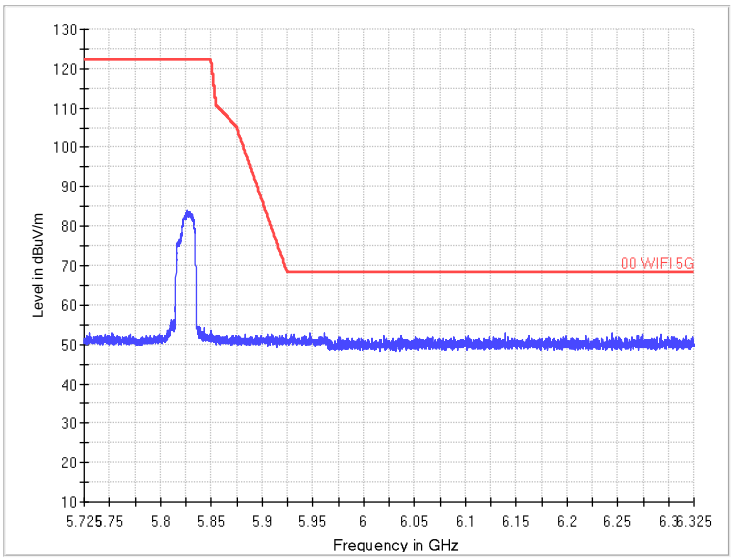



Radiated Emission Band Edge

Channel No.:149

Test Mode: 802.11n

Polarization：H

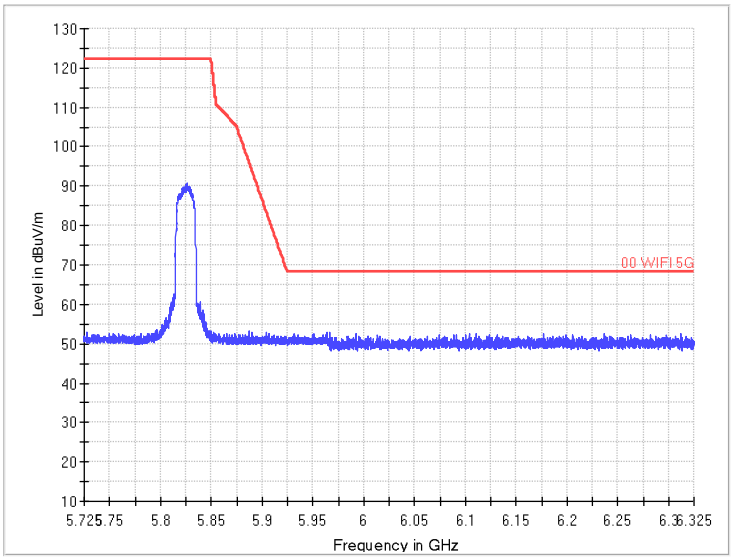



Radiated Emission Band Edge

Channel No.:165

Test Mode: 802.11n

Polarization：V

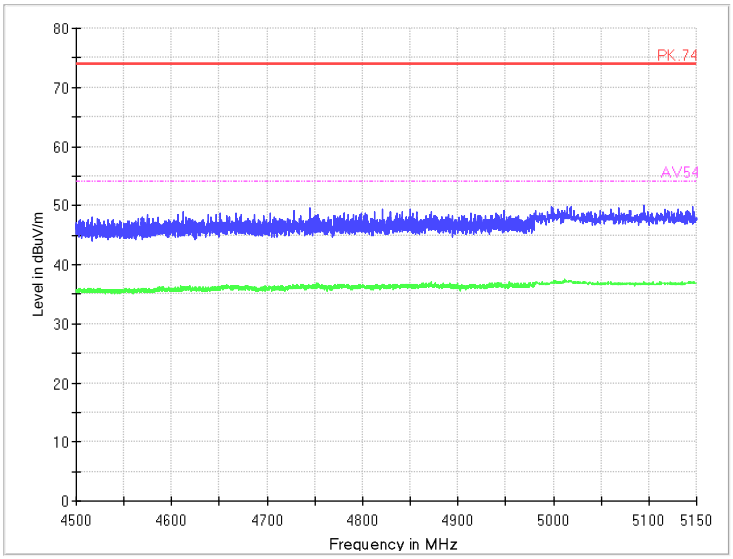



Radiated Emission Band Edge

Channel No.:165

Test Mode: 802.11n

Polarization：H

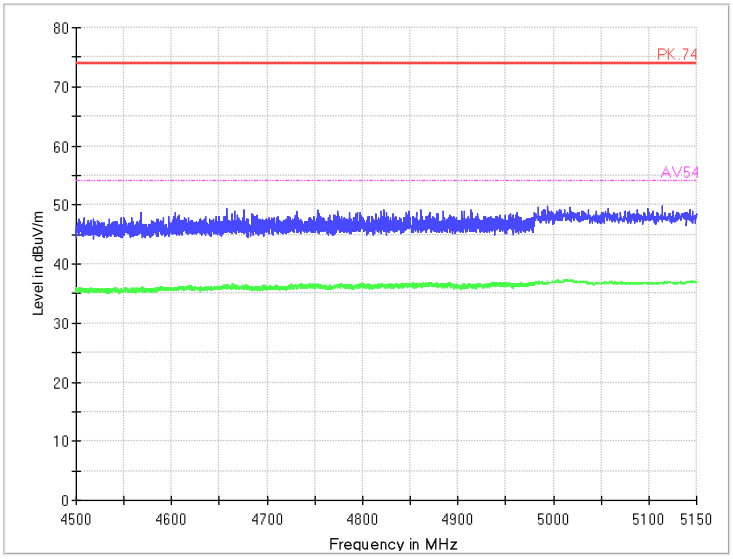



Radiated Emission Band Edge

Channel No.:36

Test Mode: 802.11ac

Polarization：V

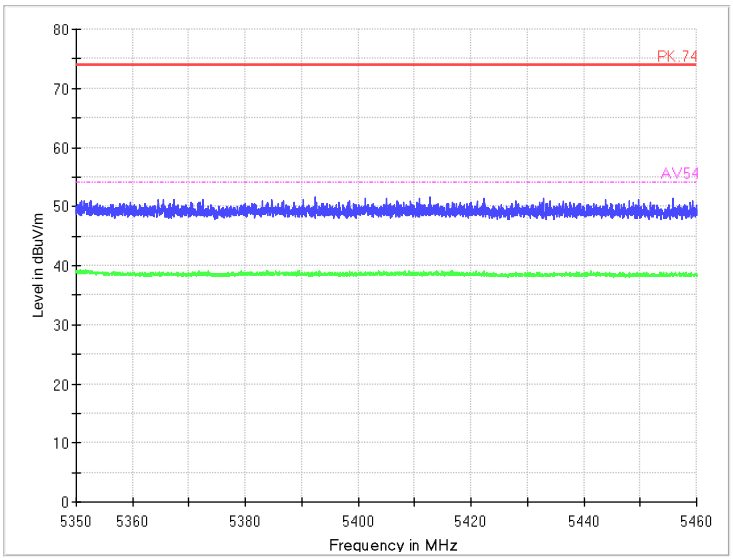



Radiated Emission Band Edge

Channel No.:36

Test Mode: 802.11ac

Polarization：H

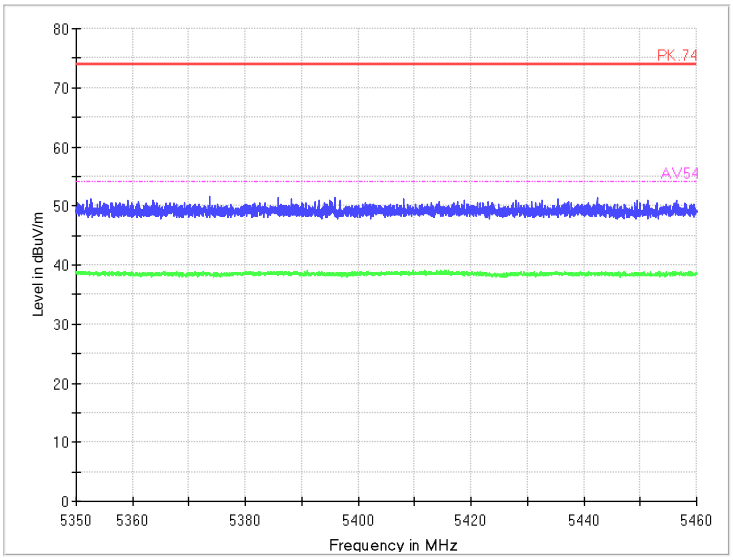



Radiated Emission Band Edge

Channel No.:64

Test Mode: 802.11ac

Polarization：V

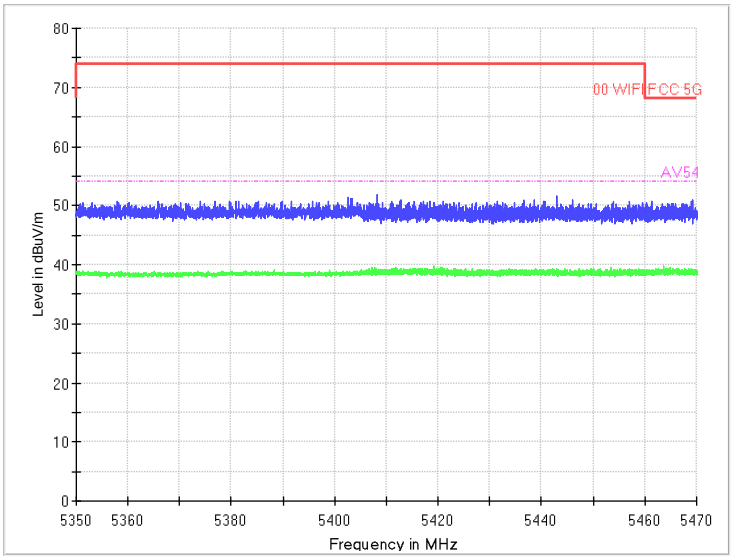



Radiated Emission Band Edge

Channel No.:64

Test Mode: 802.11ac

Polarization：H

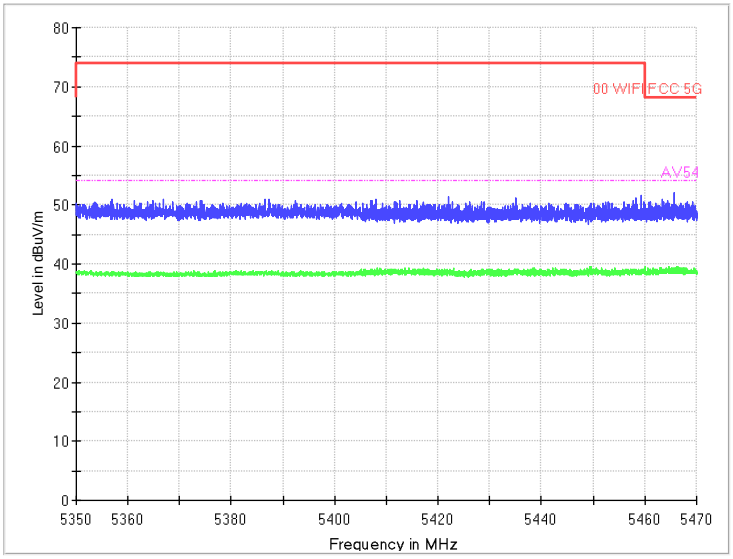



Radiated Emission Band Edge

Channel No.:100

Test Mode: 802.11ac

Polarization：V

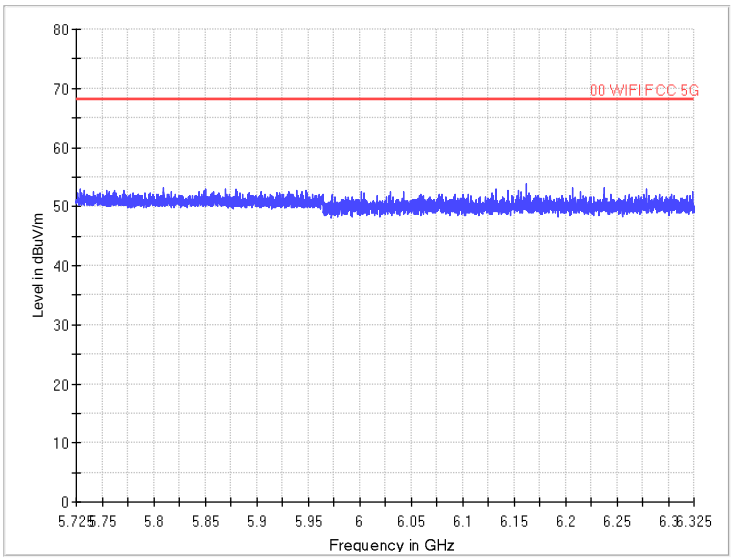



Radiated Emission Band Edge

Channel No.:100

Test Mode: 802.11ac

Polarization：H

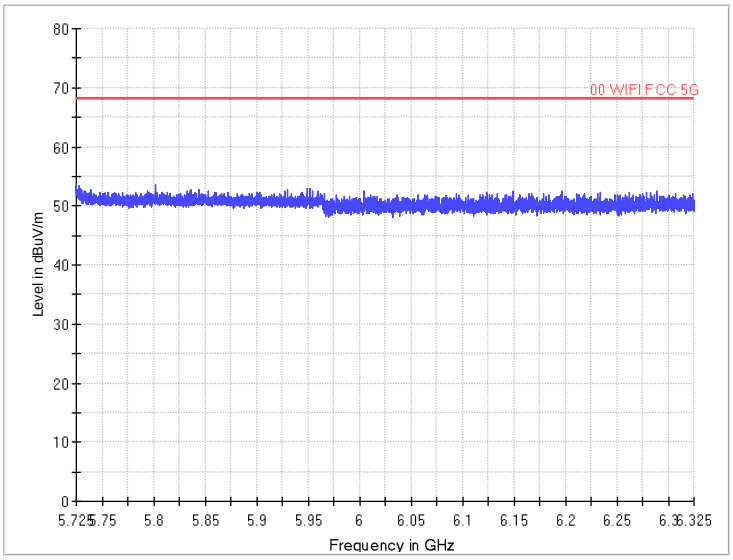



Radiated Emission Band Edge

Channel No.:140

Test Mode: 802.11ac

Polarization：V

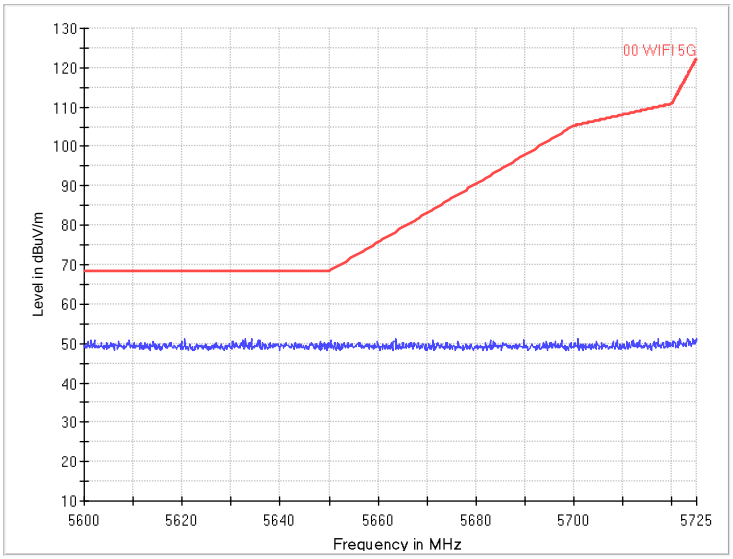



Radiated Emission Band Edge

Channel No.:140

Test Mode: 802.11ac

Polarization：H

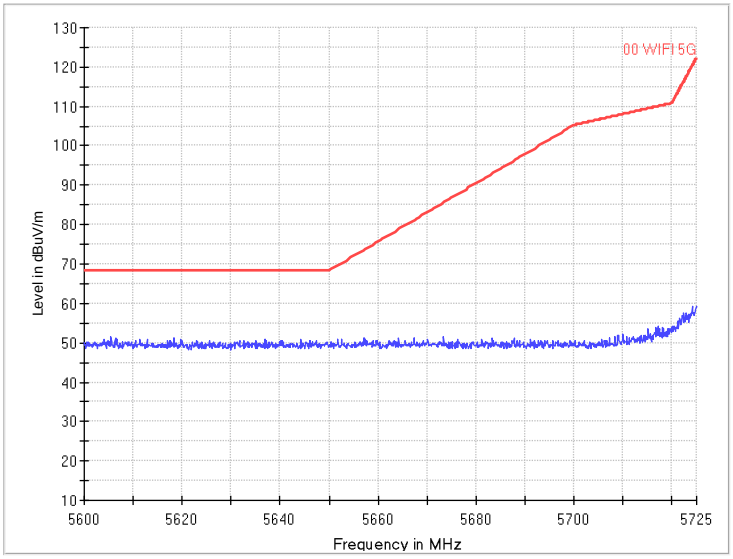



Radiated Emission Band Edge

Channel No.:149

Test Mode: 802.11ac

Polarization：V

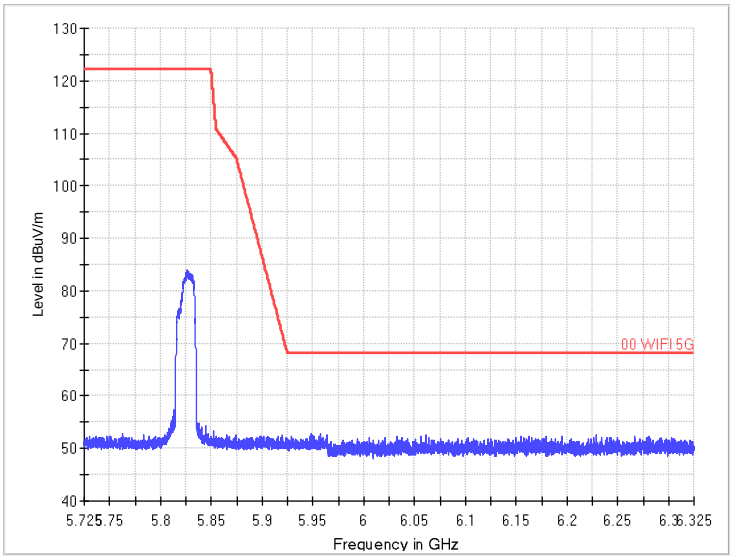



Radiated Emission Band Edge

Channel No.:149

Test Mode: 802.11ac

Polarization：H

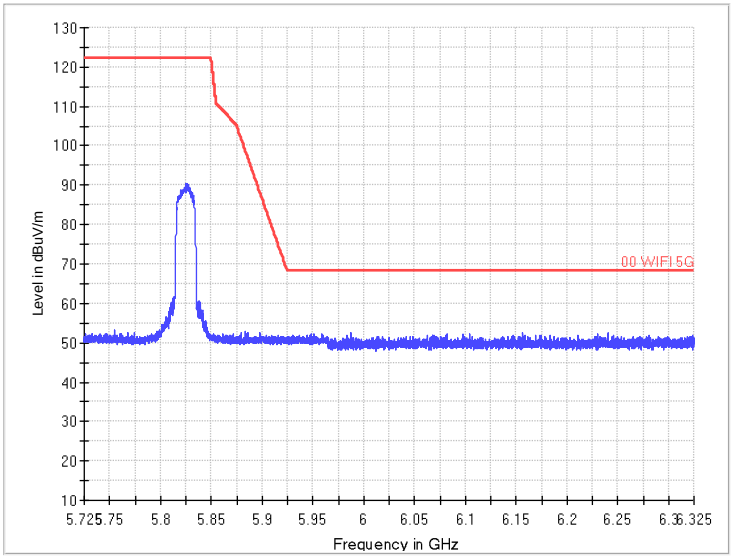



Radiated Emission Band Edge

Channel No.:165

Test Mode: 802.11ac

Polarization：V



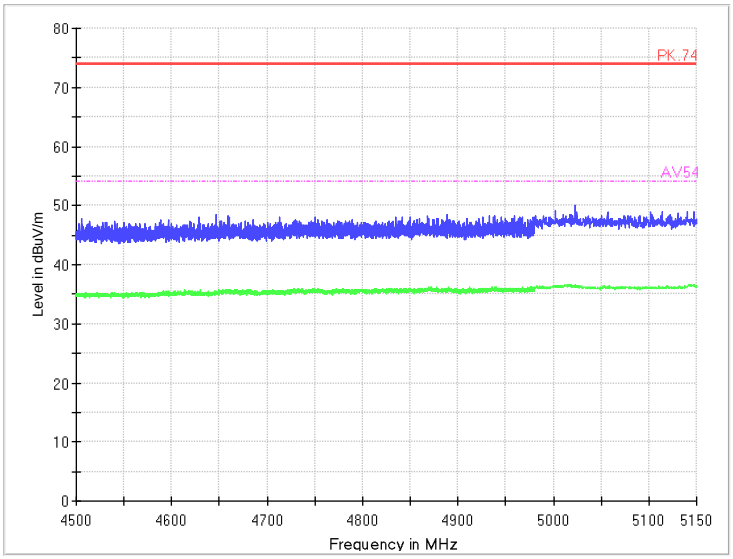

Radiated Emission Band Edge

Channel No.:165

Test Mode: 802.11ac

Polarization：H

## 40M

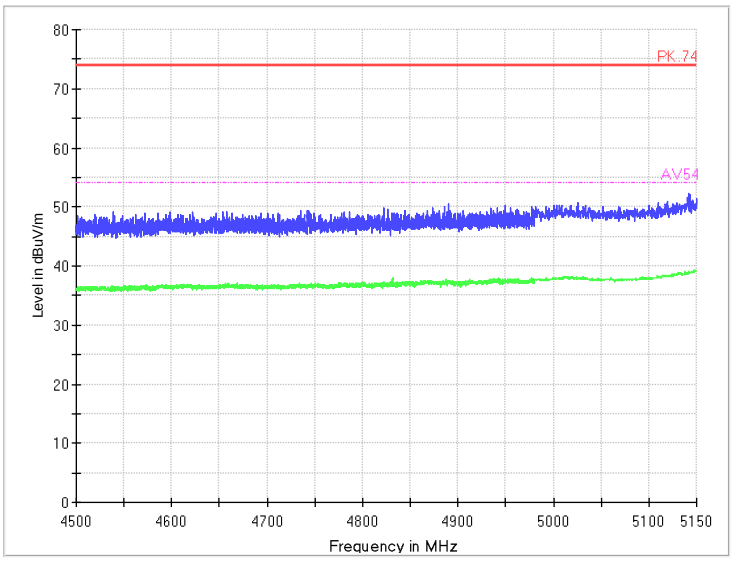



Radiated Emission Band Edge

Channel No.:38

Test Mode: 802.11n

Polarization：V

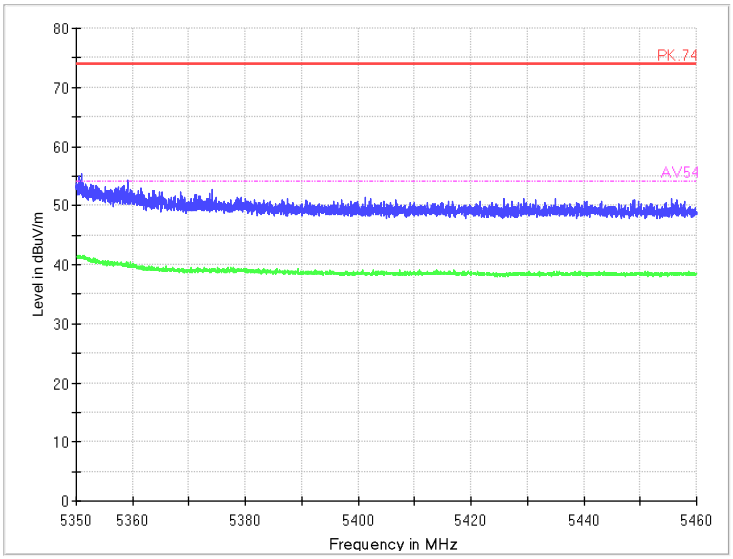



Radiated Emission Band Edge

Channel No.:38

Test Mode: 802.11n

Polarization：H

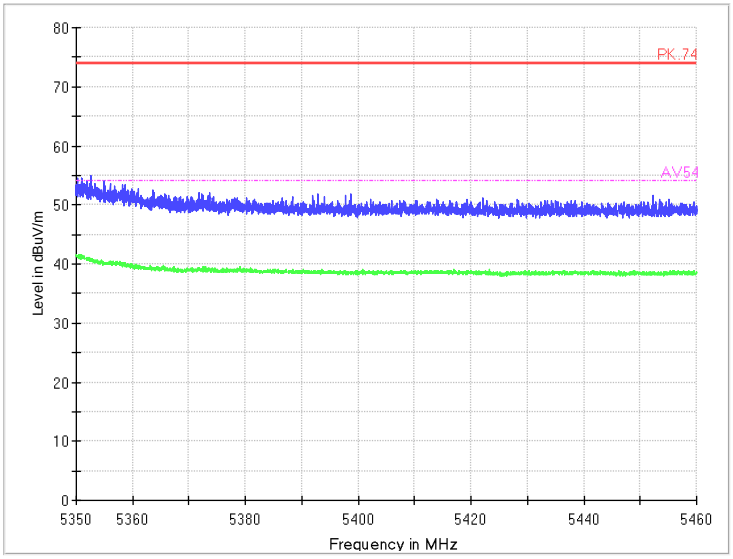



Radiated Emission Band Edge

Channel No.:62

Test Mode: 802.11n

Polarization：V

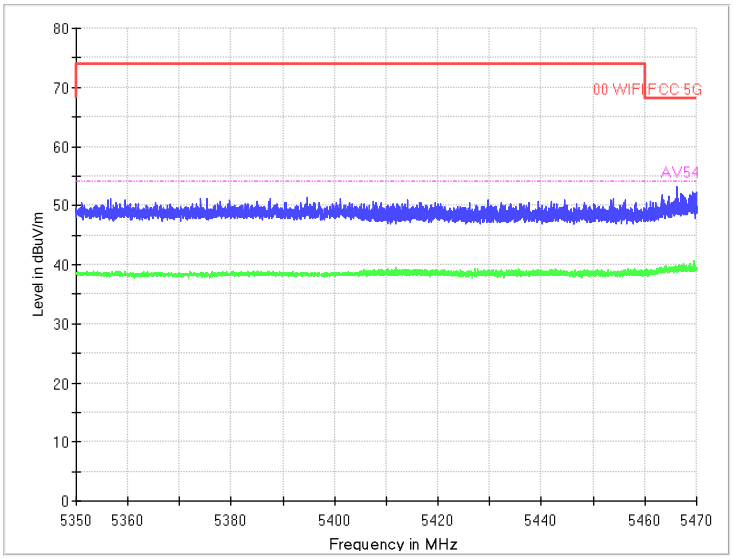



Radiated Emission Band Edge

Channel No.:62

Test Mode: 802.11n

Polarization：H

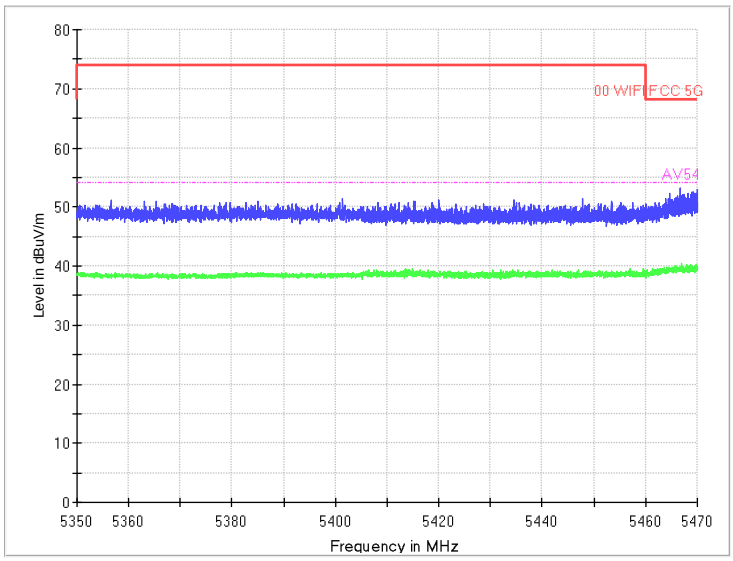



Radiated Emission Band Edge

Channel No.:102

Test Mode: 802.11n

Polarization：V

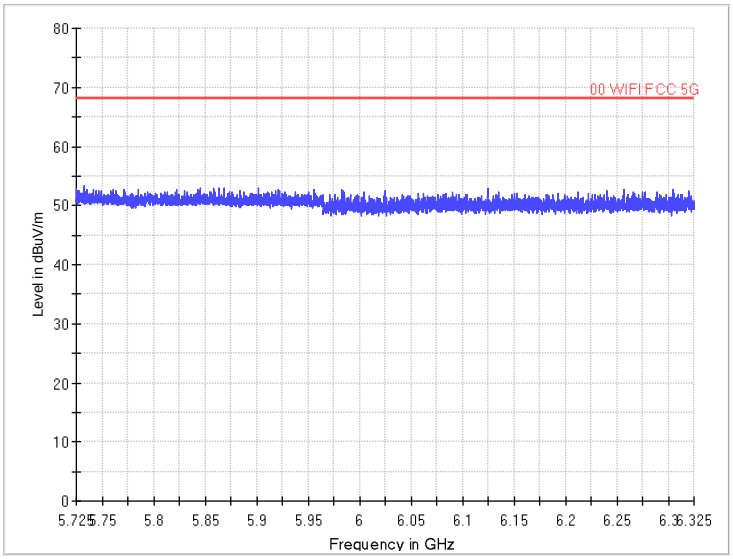



Radiated Emission Band Edge

Channel No.:102

Test Mode: 802.11n

Polarization：H

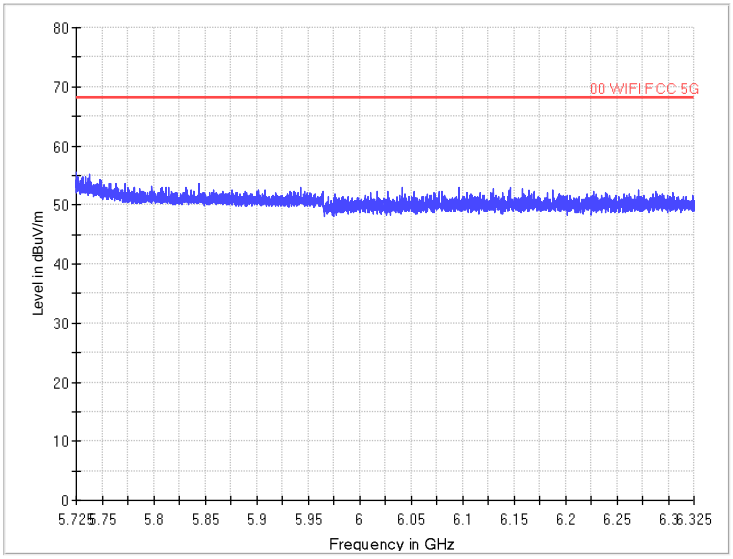



Radiated Emission Band Edge

Channel No.:134

Test Mode: 802.11n

Polarization：V

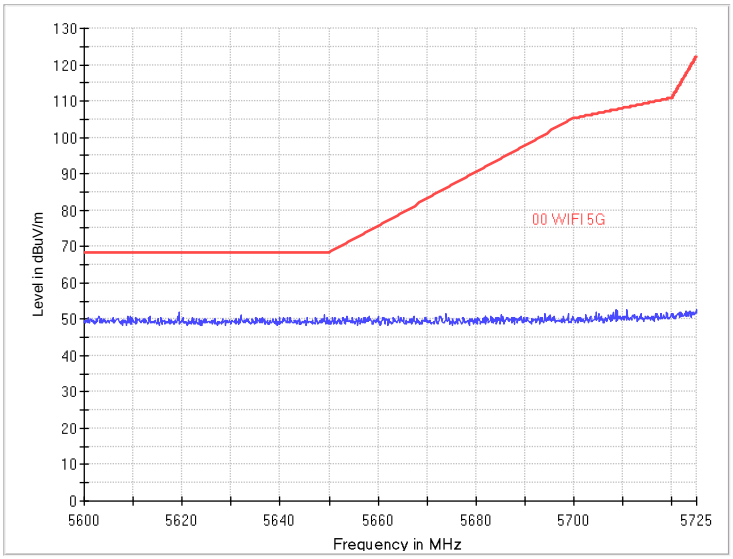



Radiated Emission Band Edge

Channel No.:134

Test Mode: 802.11n

Polarization：H

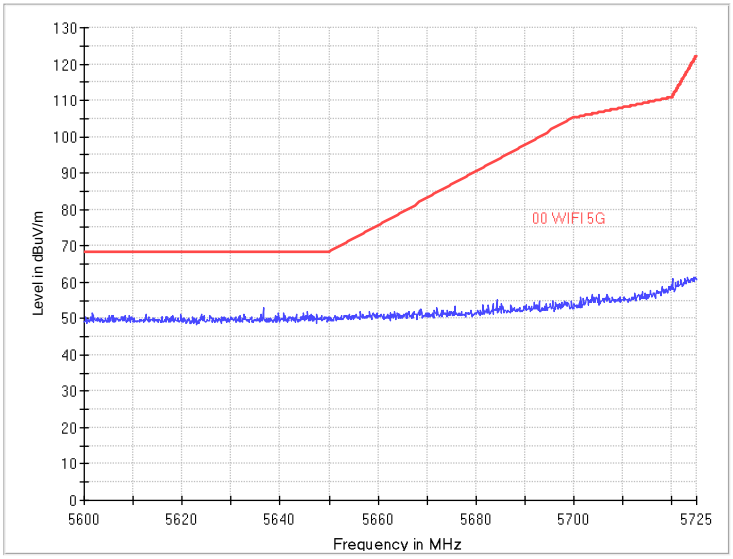



Radiated Emission Band Edge

Channel No.:151

Test Mode: 802.11n

Polarization：V

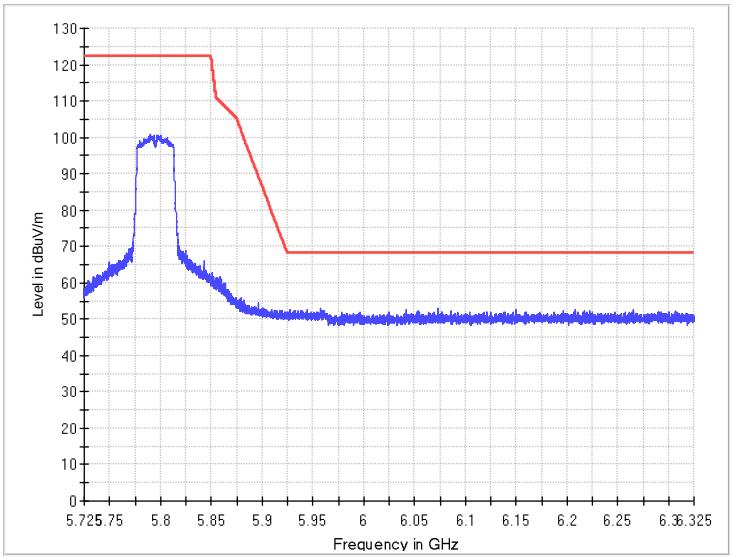



Radiated Emission Band Edge

Channel No.:151

Test Mode: 802.11n

Polarization：H

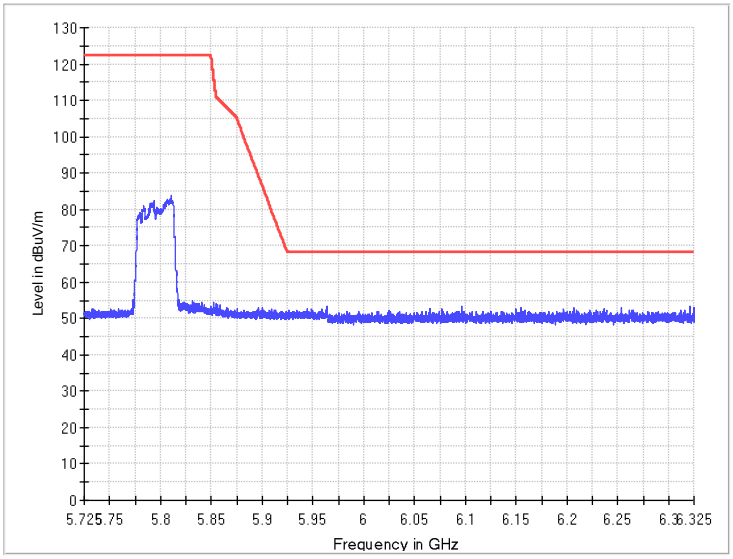



Radiated Emission Band Edge

Channel No.:159

Test Mode: 802.11n

Polarization：V

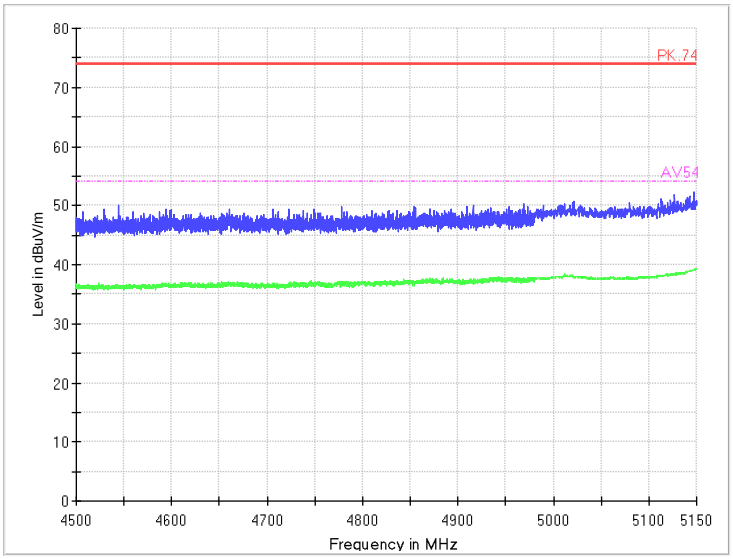



Radiated Emission Band Edge

Channel No.:159

Test Mode: 802.11n

Polarization：H

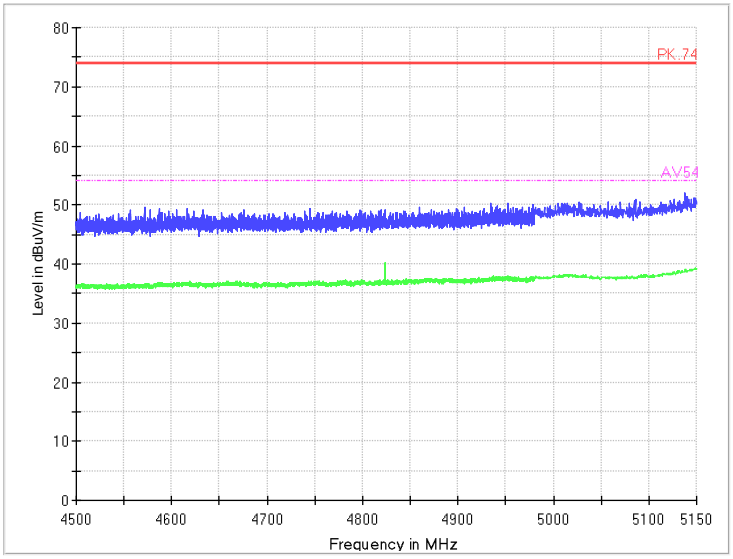



Radiated Emission Band Edge

Channel No.:38

Test Mode: 802.11ac

Polarization：V

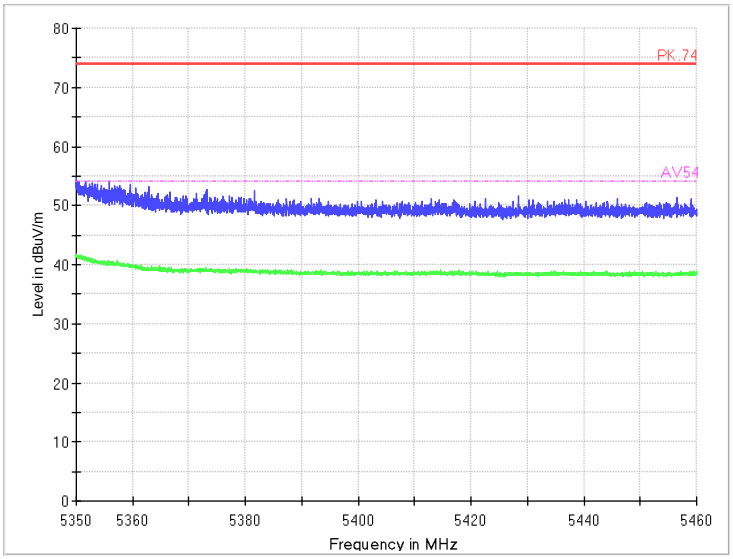



Radiated Emission Band Edge

Channel No.:38

Test Mode: 802.11ac

Polarization：H

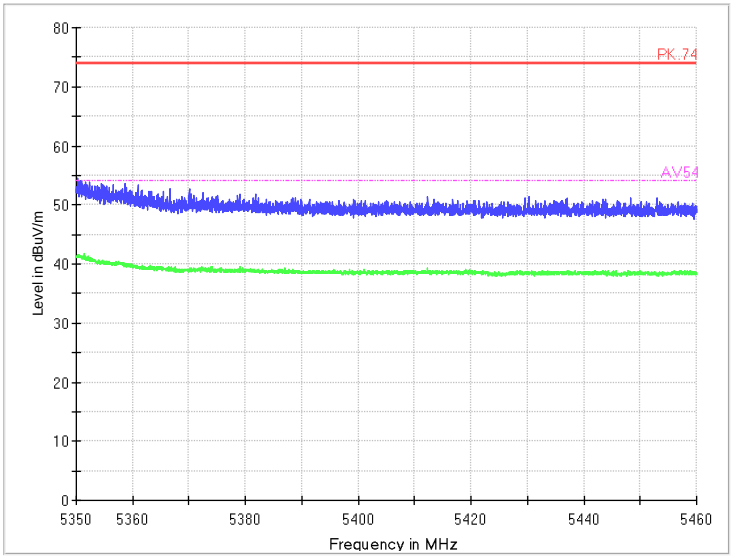



Radiated Emission Band Edge

Channel No.:62

Test Mode: 802.11ac

Polarization：V

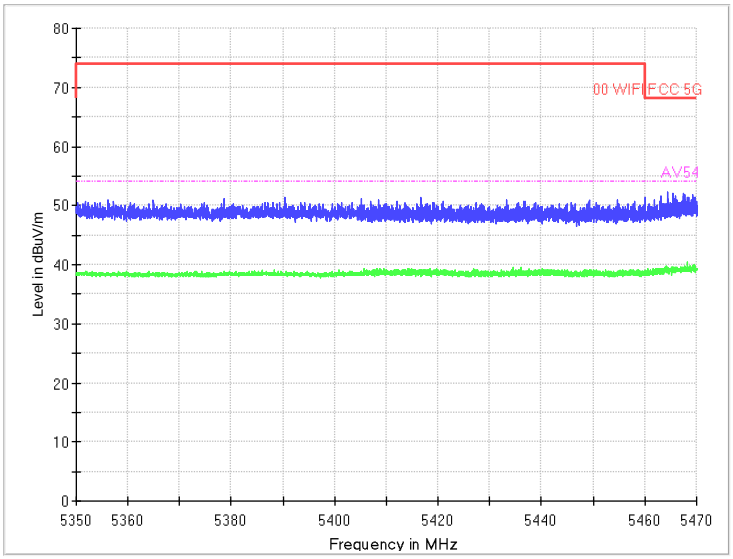



Radiated Emission Band Edge

Channel No.:62

Test Mode: 802.11ac

Polarization：H

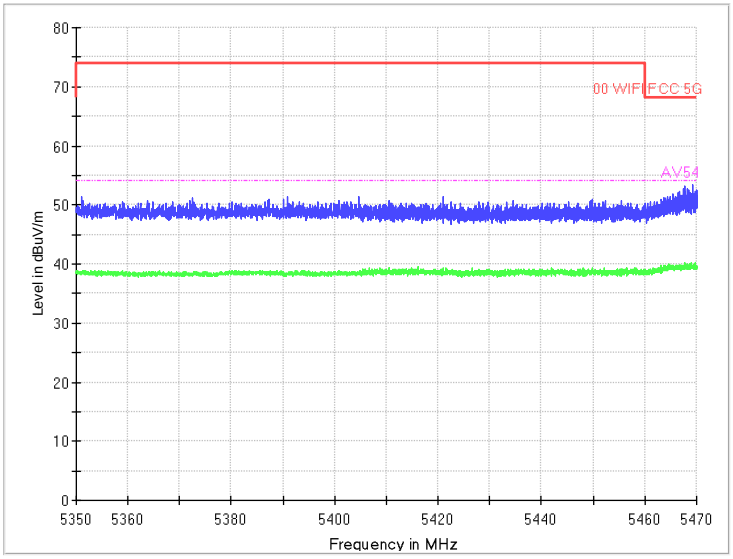



Radiated Emission Band Edge

Channel No.:102

Test Mode: 802.11ac

Polarization：V

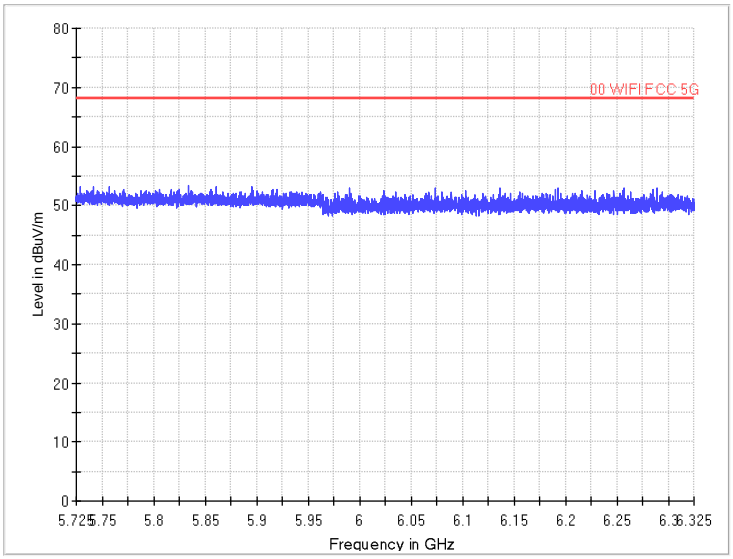



Radiated Emission Band Edge

Channel No.:102

Test Mode: 802.11ac

Polarization：H

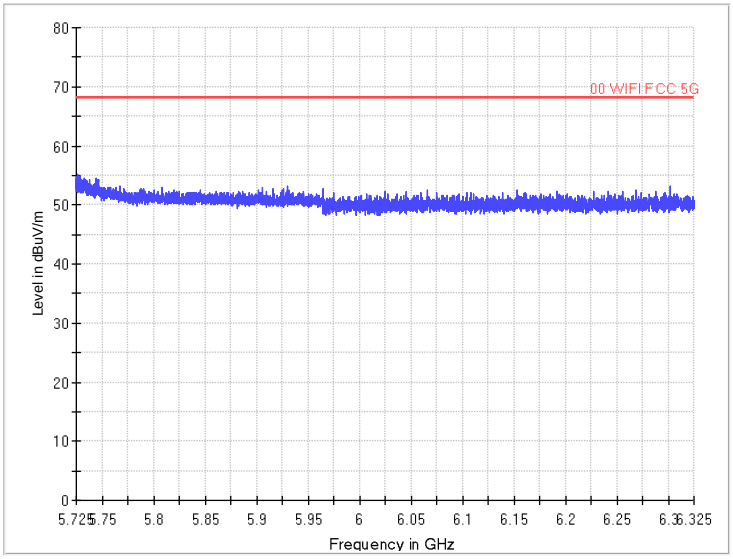



Radiated Emission Band Edge

Channel No.:134

Test Mode: 802.11ac

Polarization：V

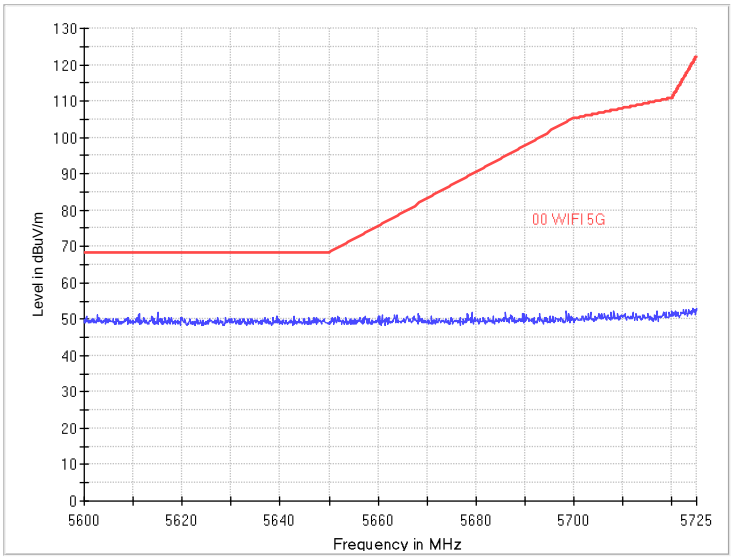



Radiated Emission Band Edge

Channel No.:134

Test Mode: 802.11ac

Polarization：H

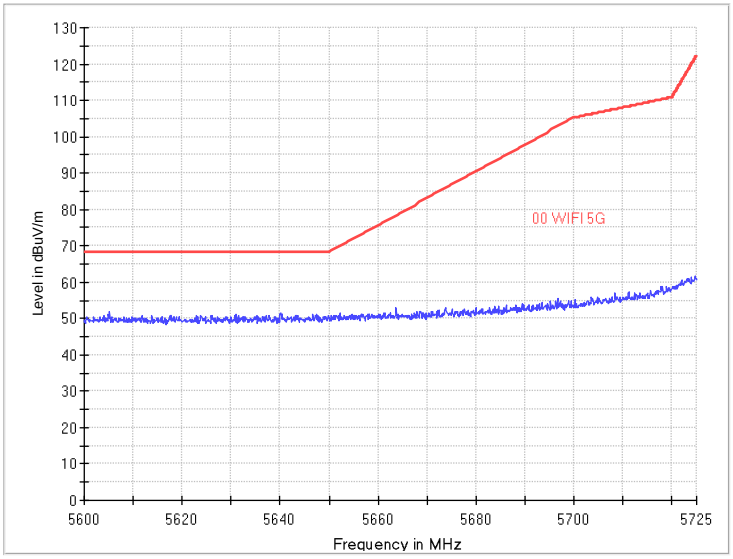



Radiated Emission Band Edge

Channel No.:151

Test Mode: 802.11ac

Polarization：V

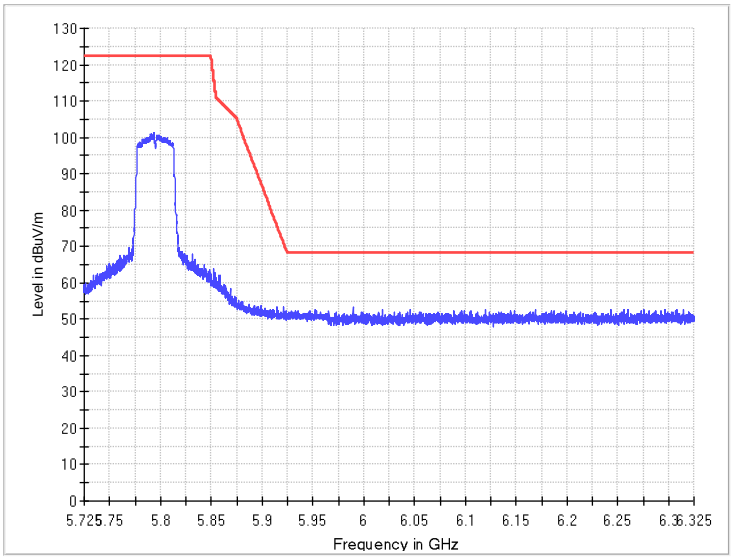



Radiated Emission Band Edge

Channel No.:151

Test Mode: 802.11ac

Polarization：H

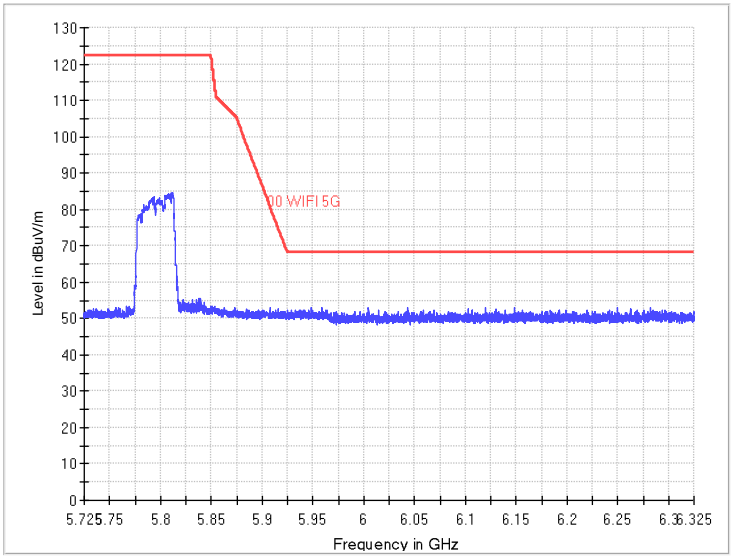



Radiated Emission Band Edge

Channel No.:159

Test Mode: 802.11ac

Polarization：V



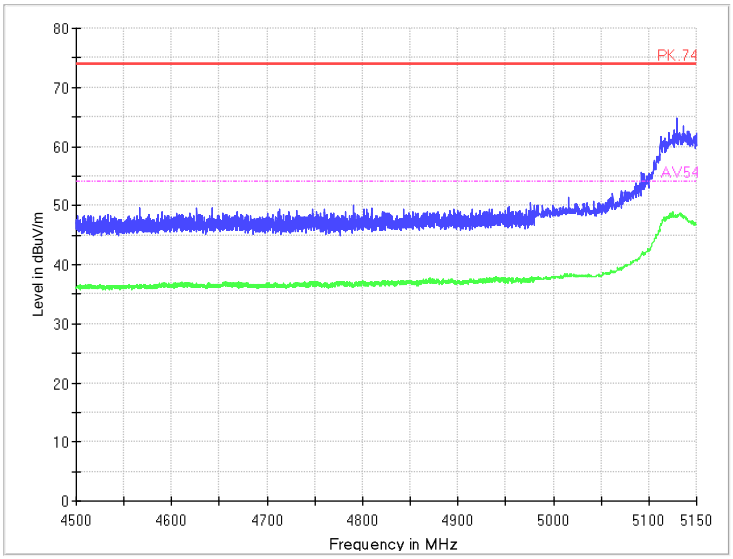

Radiated Emission Band Edge

Channel No.:159

Test Mode: 802.11ac

Polarization：H

## 80M

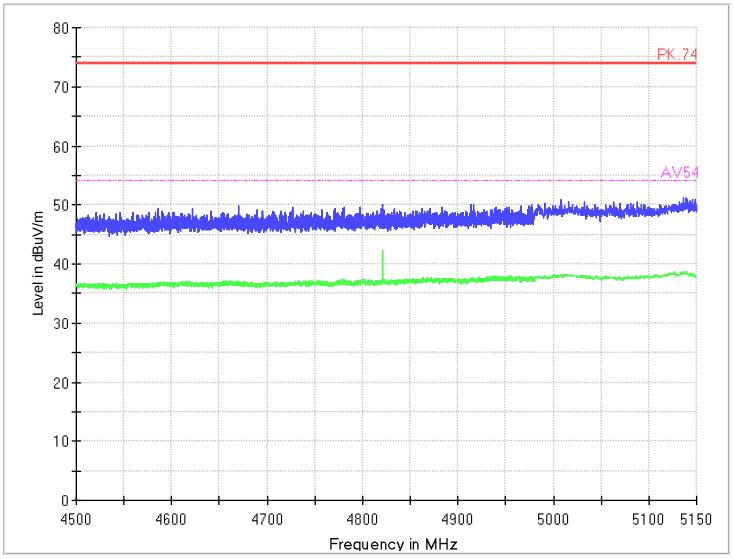



Radiated Emission Band Edge

Channel No.:42

Test Mode: 802.11ac

Polarization：V

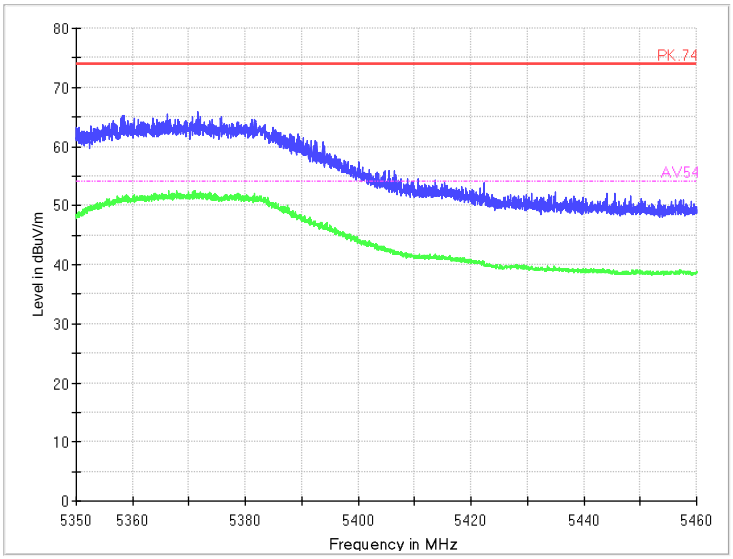



Radiated Emission Band Edge

Channel No.:42

Test Mode: 802.11ac

Polarization：H

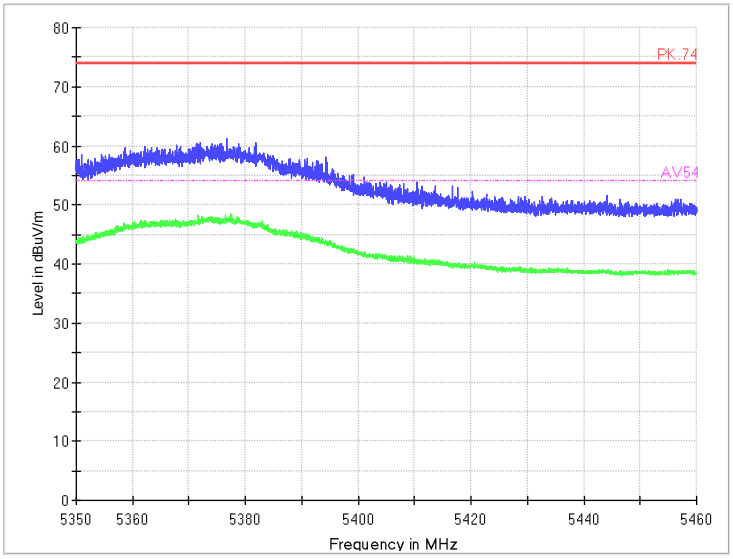



Radiated Emission Band Edge

Channel No.:58

Test Mode: 802.11ac

Polarization：V

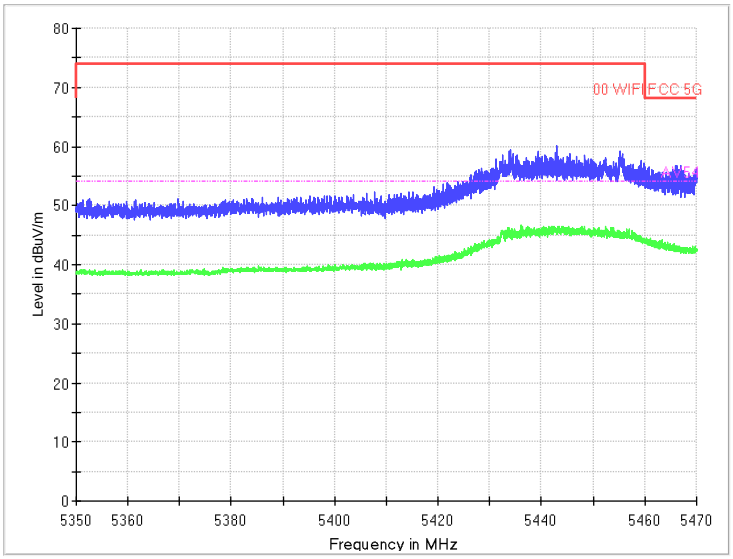



Radiated Emission Band Edge

Channel No.:58

Test Mode: 802.11ac

Polarization：H

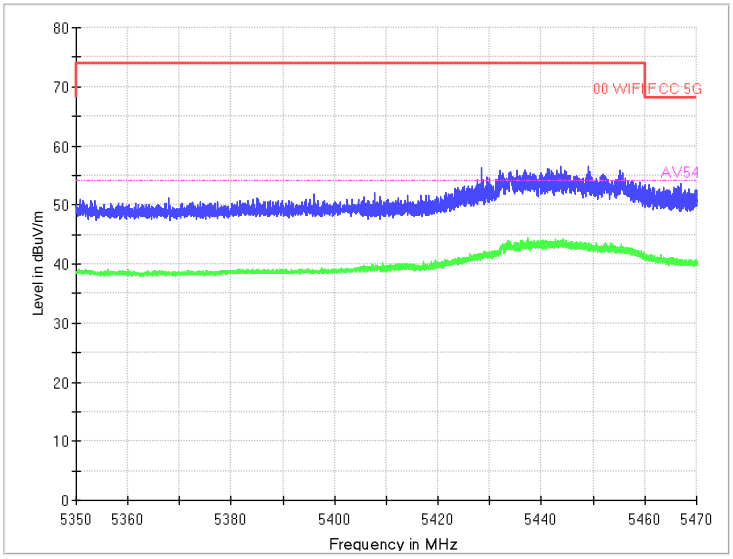



Radiated Emission Band Edge

Channel No.:106

Test Mode: 802.11ac

Polarization：V

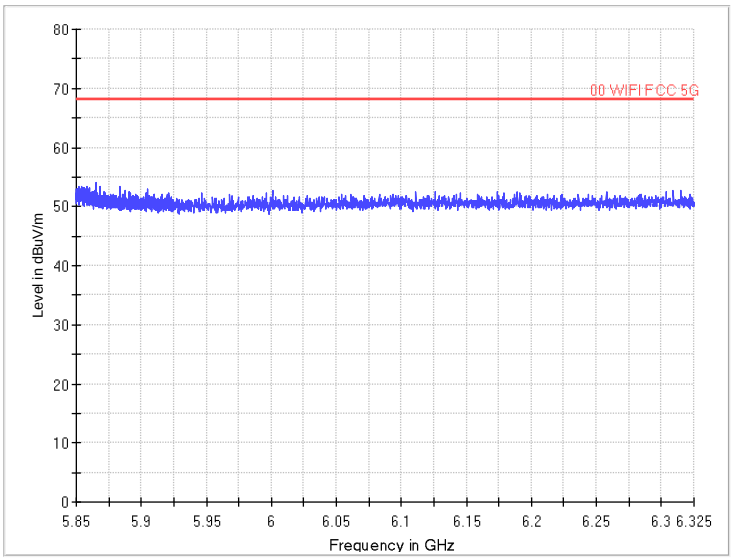



Radiated Emission Band Edge

Channel No.:106

Test Mode: 802.11ac

Polarization：H

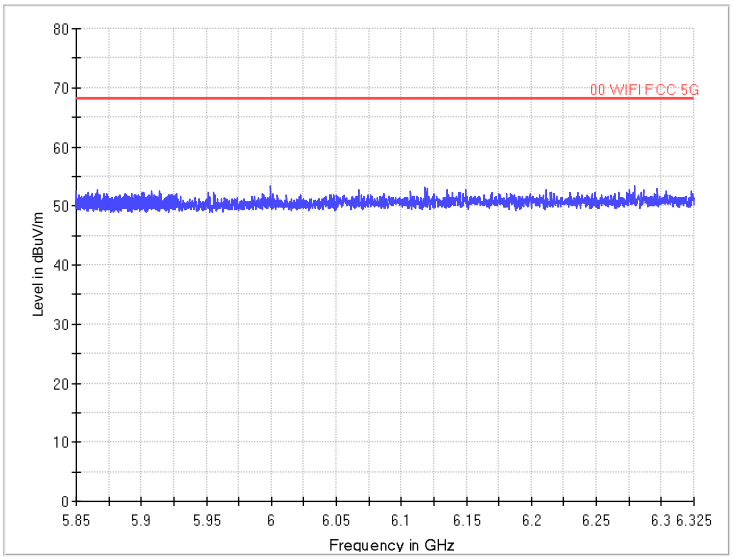



Radiated Emission Band Edge

Channel No.:138

Test Mode: 802.11ac

Polarization：V

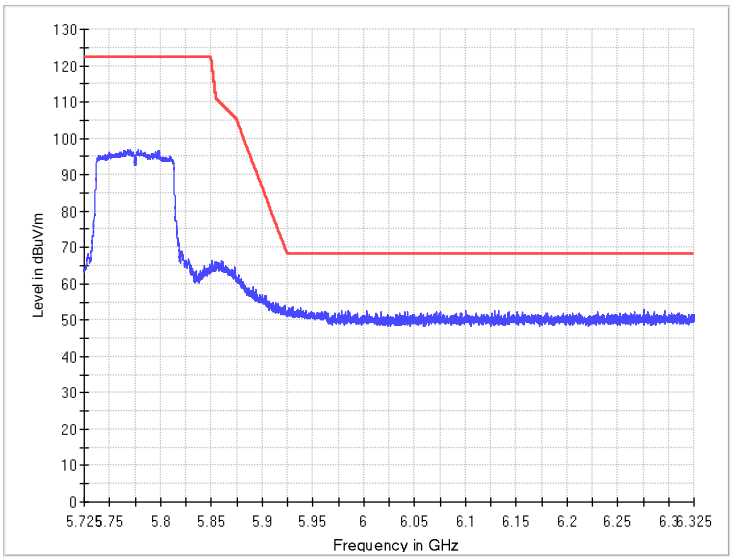



Radiated Emission Band Edge

Channel No.:138

Test Mode: 802.11ac

Polarization：H

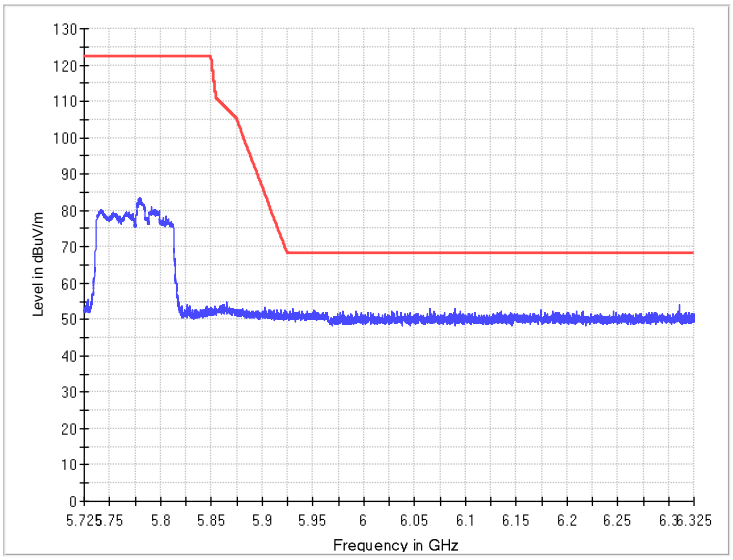



Radiated Emission Band Edge

Channel No.:155

Test Mode: 802.11ac

Polarization：V

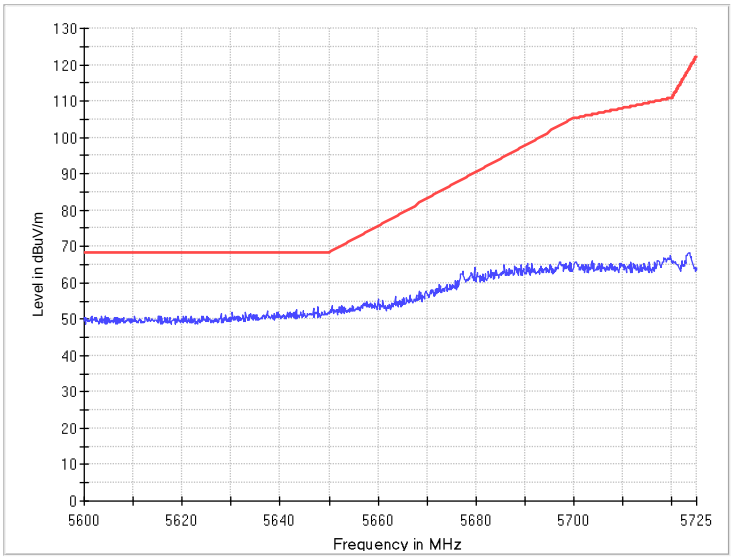



Radiated Emission Band Edge

Channel No.:155

Test Mode: 802.11ac

Polarization：H

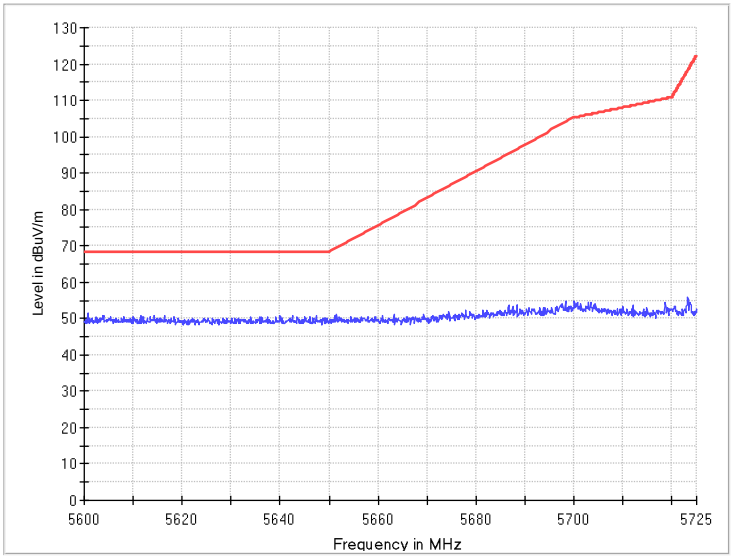



Radiated Emission Band Edge

Channel No.:155

Test Mode: 802.11ac

Polarization：V




Radiated Emission Band Edge

Channel No.:155

Test Mode: 802.11ac

Polarization：H

**Radiated Emission for WIFI**

After comparison,the worst case attitude is EUT lay down.

Determining Spurious Emissions Levels

A “reference path loss” is established and the $A_{Rpl}$is the attenuation of “reference path loss”, and including the gain of receive antenna, the gain of the preamplifier, the cable loss.
The measurement results are obtained as described below:
Result= $P_{mea}$+ $A_{Rpl}$
Sample calculation: (11.65dBμV/m) = (26.55dBμV) + (-14.9dB/m), the corresponding frequency is 48.042MHz.

For 802.11aChannel No.:36

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 48.042 | 11.65 | -14.9 | 26.55 | Vertical | 40 | 28.35 |
| 84.1745 | 22.16 | -21.2 | 43.36 | Vertical | 40 | 17.84 |
| 168.322 | 19.75 | -19.1 | 38.85 | Vertical | 43.5 | 23.75 |
| 270.56 | 26.33 | -14.2 | 40.53 | Vertical | 46 | 19.67 |
| 390.7915 | 24.26 | -11 | 35.26 | Vertical | 46 | 21.74 |
| 895.725 | 27.49 | -1 | 28.49 | Vertical | 46 | 18.51 |

For 802.11n(HT20)Channel No.:36

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 36.014 | 12.84 | -18.1 | 30.94 | Vertical | 40 | 27.16 |
| 84.126 | 19.95 | -21.2 | 41.15 | Vertical | 40 | 20.05 |
| 168.322 | 19.78 | -19.1 | 38.88 | Vertical | 43.5 | 23.72 |
| 270.5115 | 22.46 | -14.2 | 36.66 | Vertical | 46 | 23.54 |
| 499.771 | 15.27 | -8.4 | 23.67 | Vertical | 46 | 30.73 |
| 745.569 | 22.7 | -2.9 | 25.6 | Vertical | 46 | 23.3 |

For 802.11ac(VHT20)Channel No.:36

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 36.014 | 12.81 | -18.1 | 30.91 | Vertical | 40 | 27.19 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 84.126 | 19.98 | -21.2 | 41.18 | Vertical | 40 | 20.02 |
| 168.322 | 19.73 | -19.1 | 38.83 | Vertical | 43.5 | 23.77 |
| 270.56 | 26.26 | -14.2 | 40.46 | Vertical | 46 | 19.74 |
| 378.7635 | 23.66 | -11.2 | 34.86 | Vertical | 46 | 22.34 |
| 892.5725 | 21.45 | -1 | 22.45 | Vertical | 46 | 24.55 |

For 802.11aChannel No.:44

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 47.0235 | 9.57 | -15.2 | 24.77 | Vertical | 40 | 30.43 |
| 84.126 | 19.95 | -21.2 | 41.15 | Vertical | 40 | 20.05 |
| 168.322 | 19.75 | -19.1 | 38.85 | Vertical | 43.5 | 23.75 |
| 309.8935 | 16.81 | -13.2 | 30.01 | Vertical | 46 | 29.19 |
| 313.1915 | 16.06 | -13.1 | 29.16 | Vertical | 46 | 29.94 |
| 893.6395 | 22.15 | -1 | 23.15 | Vertical | 46 | 23.85 |

For 802.11n(HT20)Channel No.:44

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 48.0905 | 13.7 | -14.9 | 28.6 | Vertical | 40 | 26.3 |
| 84.126 | 19.95 | -21.2 | 41.15 | Vertical | 40 | 20.05 |
| 168.322 | 19.8 | -19.1 | 38.9 | Vertical | 43.5 | 23.7 |
| 270.56 | 26.3 | -14.2 | 40.5 | Vertical | 46 | 19.7 |
| 390.7915 | 24.25 | -11 | 35.25 | Vertical | 46 | 21.75 |
| 890.972 | 25.42 | -1 | 26.42 | Vertical | 46 | 20.58 |

For 802.11ac(VHT20)Channel No.:44

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 36.014 | 12.81 | -18.1 | 30.91 | Vertical | 40 | 27.19 |
| 84.126 | 19.91 | -21.2 | 41.11 | Vertical | 40 | 20.09 |
| 168.322 | 19.74 | -19.1 | 38.84 | Vertical | 43.5 | 23.76 |
| 270.56 | 26.32 | -14.2 | 40.52 | Vertical | 46 | 19.68 |
| 390.7915 | 24.23 | -11 | 35.23 | Vertical | 46 | 21.77 |
| 891.3115 | 20.62 | -1 | 21.62 | Vertical | 46 | 25.38 |

For 802.11aChannel No.:48

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 48.0905 | 13.63 | -14.9 | 28.53 | Vertical | 40 | 26.37 |
| 84.1745 | 22.11 | -21.2 | 43.31 | Vertical | 40 | 17.89 |
| 168.322 | 19.76 | -19.1 | 38.86 | Vertical | 43.5 | 23.74 |
| 270.56 | 26.29 | -14.2 | 40.49 | Vertical | 46 | 19.71 |
| 390.7915 | 24.25 | -11 | 35.25 | Vertical | 46 | 21.75 |
| 904.5035 | 19.88 | -1.1 | 20.98 | Vertical | 46 | 26.12 |

For 802.11n(HT20)Channel No.:48

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 36.014 | 12.81 | -18.1 | 30.91 | Vertical | 40 | 27.19 |
| 84.126 | 19.95 | -21.2 | 41.15 | Vertical | 40 | 20.05 |
| 168.322 | 19.78 | -19.1 | 38.88 | Vertical | 43.5 | 23.72 |
| 270.5115 | 22.49 | -14.2 | 36.69 | Vertical | 46 | 23.51 |
| 390.7915 | 24.26 | -11 | 35.26 | Vertical | 46 | 21.74 |
| 895.143 | 23.65 | -1 | 24.65 | Vertical | 46 | 22.35 |

For 802.11ac(VHT20)Channel No.:48

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 36.014 | 12.82 | -18.1 | 30.92 | Vertical | 40 | 27.18 |
| 84.1745 | 22.11 | -21.2 | 43.31 | Vertical | 40 | 17.89 |
| 168.322 | 19.76 | -19.1 | 38.86 | Vertical | 43.5 | 23.74 |
| 270.56 | 26.27 | -14.2 | 40.47 | Vertical | 46 | 19.73 |
| 390.7915 | 24.23 | -11 | 35.23 | Vertical | 46 | 21.77 |
| 891.554 | 19.81 | -1 | 20.81 | Vertical | 46 | 26.19 |

For 802.11n(HT40)Channel No.:38

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 48.042 | 11.63 | -14.9 | 26.53 | Vertical | 40 | 28.37 |
| 78.112 | 18.32 | -21.7 | 40.02 | Vertical | 40 | 21.68 |
| 168.322 | 19.84 | -19.1 | 38.94 | Vertical | 43.5 | 23.66 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 270.56 | 26.26 | -14.2 | 40.46 | Vertical | 46 | 19.74 |
| 390.7915 | 24.28 | -11 | 35.28 | Vertical | 46 | 21.72 |
| 877.8285 | 22.06 | -0.9 | 22.96 | Vertical | 46 | 23.94 |

For 802.11ac(VHT40)Channel No.:38

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 36.014 | 12.88 | -18.1 | 30.98 | Vertical | 40 | 27.12 |
| 84.1745 | 22.16 | -21.2 | 43.36 | Vertical | 40 | 17.84 |
| 168.322 | 19.75 | -19.1 | 38.85 | Vertical | 43.5 | 23.75 |
| 270.56 | 26.32 | -14.2 | 40.52 | Vertical | 46 | 19.68 |
| 390.7915 | 24.24 | -11 | 35.24 | Vertical | 46 | 21.76 |
| 936.2225 | 20.35 | -0.3 | 20.65 | Vertical | 46 | 25.65 |

For 802.11n(HT40)Channel No.:46

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 36.014 | 12.78 | -18.1 | 30.88 | Vertical | 40 | 27.22 |
| 78.112 | 18.32 | -21.7 | 40.02 | Vertical | 40 | 21.68 |
| 168.322 | 19.77 | -19.1 | 38.87 | Vertical | 43.5 | 23.73 |
| 270.56 | 26.48 | -14.2 | 40.68 | Vertical | 46 | 19.52 |
| 378.7635 | 23.66 | -11.2 | 34.86 | Vertical | 46 | 22.34 |
| 919.9265 | 22.39 | -0.3 | 22.69 | Vertical | 46 | 23.61 |

For 802.11ac(VHT40)Channel No.:46

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 36.014 | 12.84 | -18.1 | 30.94 | Vertical | 40 | 27.16 |
| 84.126 | 19.94 | -21.2 | 41.14 | Vertical | 40 | 20.06 |
| 168.322 | 19.73 | -19.1 | 38.83 | Vertical | 43.5 | 23.77 |
| 270.56 | 26.32 | -14.2 | 40.52 | Vertical | 46 | 19.68 |
| 390.7915 | 24.23 | -11 | 35.23 | Vertical | 46 | 21.77 |
| 933.943 | 20.5 | -0.3 | 20.8 | Vertical | 46 | 25.5 |

For 802.11ac(VHT80)Channel No.:42

| Frequency(MHz) | Result(dBuV/m) | ARpl | Pmea | Polarity | Limit | Margin |
|---|---|---|---|---|---|---|

| | | (dB) | (dBuV/m) | | (dBuV/m) | (dB) |
|---|---|---|---|---|---|---|
| 51.049 | 9.63 | -15.3 | 24.93 | Vertical | 40 | 30.37 |
| 84.126 | 19.93 | -21.2 | 41.13 | Vertical | 40 | 20.07 |
| 168.322 | 19.73 | -19.1 | 38.83 | Vertical | 43.5 | 23.77 |
| 270.56 | 26.31 | -14.2 | 40.51 | Vertical | 46 | 19.69 |
| 390.7915 | 24.23 | -11 | 35.23 | Vertical | 46 | 21.77 |
| 913.961 | 20.24 | -0.6 | 20.84 | Vertical | 46 | 25.76 |

For 802.11aChannel No.:52

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 36.014 | 12.8 | -18.1 | 30.9 | Vertical | 40 | 27.2 |
| 84.126 | 19.91 | -21.2 | 41.11 | Vertical | 40 | 20.09 |
| 168.322 | 19.83 | -19.1 | 38.93 | Vertical | 43.5 | 23.67 |
| 270.56 | 26.26 | -14.2 | 40.46 | Vertical | 46 | 19.74 |
| 390.7915 | 24.21 | -11 | 35.21 | Vertical | 46 | 21.79 |
| 920.363 | 20.52 | -0.3 | 20.82 | Vertical | 46 | 25.48 |

For 802.11n(HT20)Channel No.:52

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 36.014 | 12.87 | -18.1 | 30.97 | Vertical | 40 | 27.13 |
| 84.126 | 19.92 | -21.2 | 41.12 | Vertical | 40 | 20.08 |
| 168.322 | 19.74 | -19.1 | 38.84 | Vertical | 43.5 | 23.76 |
| 270.56 | 26.4 | -14.2 | 40.6 | Vertical | 46 | 19.6 |
| 390.7915 | 24.21 | -11 | 35.21 | Vertical | 46 | 21.79 |
| 925.1645 | 20.55 | -0.3 | 20.85 | Vertical | 46 | 25.45 |

For 802.11ac(VHT20)Channel No.:52

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 36.014 | 12.85 | -18.1 | 30.95 | Vertical | 40 | 27.15 |
| 84.126 | 19.91 | -21.2 | 41.11 | Vertical | 40 | 20.09 |
| 168.322 | 19.75 | -19.1 | 38.85 | Vertical | 43.5 | 23.75 |
| 270.56 | 26.36 | -14.2 | 40.56 | Vertical | 46 | 19.64 |
| 390.7915 | 24.21 | -11 | 35.21 | Vertical | 46 | 21.79 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 745.5205 | 22.53 | -2.9 | 25.43 | Vertical | 46 | 23.47 |

For 802.11aChannel No.:60

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 36.014 | 12.82 | -18.1 | 30.92 | Vertical | 40 | 27.18 |
| 78.112 | 18.28 | -21.7 | 39.98 | Vertical | 40 | 21.72 |
| 168.322 | 19.76 | -19.1 | 38.86 | Vertical | 43.5 | 23.74 |
| 270.56 | 26.37 | -14.2 | 40.57 | Vertical | 46 | 19.63 |
| 390.7915 | 24.23 | -11 | 35.23 | Vertical | 46 | 21.77 |
| 922.6425 | 20.56 | -0.3 | 20.86 | Vertical | 46 | 25.44 |

For 802.11n(HT20)Channel No.:60

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 36.014 | 12.84 | -18.1 | 30.94 | Vertical | 40 | 27.16 |
| 78.112 | 18.3 | -21.7 | 40 | Vertical | 40 | 21.7 |
| 168.322 | 19.74 | -19.1 | 38.84 | Vertical | 43.5 | 23.76 |
| 270.56 | 26.34 | -14.2 | 40.54 | Vertical | 46 | 19.66 |
| 390.7915 | 24.24 | -11 | 35.24 | Vertical | 46 | 21.76 |
| 918.7625 | 20.55 | -0.3 | 20.85 | Vertical | 46 | 25.45 |

For 802.11ac(VHT20)Channel No.:60

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 48.042 | 11.57 | -14.9 | 26.47 | Vertical | 40 | 28.43 |
| 84.1745 | 22.11 | -21.2 | 43.31 | Vertical | 40 | 17.89 |
| 168.322 | 19.74 | -19.1 | 38.84 | Vertical | 43.5 | 23.76 |
| 270.56 | 26.37 | -14.2 | 40.57 | Vertical | 46 | 19.63 |
| 378.7635 | 23.69 | -11.2 | 34.89 | Vertical | 46 | 22.31 |
| 982.8795 | 20.68 | 0 | 20.68 | Vertical | 54 | 33.32 |

For 802.11aChannel No.:64

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 48.042 | 11.66 | -14.9 | 26.56 | Vertical | 40 | 28.34 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 84.126 | 19.93 | -21.2 | 41.13 | Vertical | 40 | 20.07 |
| 168.322 | 19.76 | -19.1 | 38.86 | Vertical | 43.5 | 23.74 |
| 270.56 | 26.11 | -14.2 | 40.31 | Vertical | 46 | 19.89 |
| 390.7915 | 24.23 | -11 | 35.23 | Vertical | 46 | 21.77 |
| 982.637 | 20.77 | 0 | 20.77 | Vertical | 54 | 33.23 |

For 802.11n(HT20)Channel No.:64

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 36.014 | 12.83 | -18.1 | 30.93 | Vertical | 40 | 27.17 |
| 84.1745 | 22.1 | -21.2 | 43.3 | Vertical | 40 | 17.9 |
| 168.322 | 19.78 | -19.1 | 38.88 | Vertical | 43.5 | 23.72 |
| 270.56 | 26.31 | -14.2 | 40.51 | Vertical | 46 | 19.69 |
| 390.7915 | 24.17 | -11 | 35.17 | Vertical | 46 | 21.83 |
| 939.569 | 20.34 | -0.4 | 20.74 | Vertical | 46 | 25.66 |

For 802.11ac(VHT20)Channel No.:64

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 36.014 | 12.81 | -18.1 | 30.91 | Vertical | 40 | 27.19 |
| 78.112 | 18.3 | -21.7 | 40 | Vertical | 40 | 21.7 |
| 168.322 | 19.74 | -19.1 | 38.84 | Vertical | 43.5 | 23.76 |
| 264.546 | 25.19 | -14.4 | 39.59 | Vertical | 46 | 20.81 |
| 390.7915 | 24.21 | -11 | 35.21 | Vertical | 46 | 21.79 |
| 932.488 | 20.62 | -0.2 | 20.82 | Vertical | 46 | 25.38 |

For 802.11n(HT40)Channel No.:54

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 44.259 | 9.39 | -15.6 | 24.99 | Vertical | 40 | 30.61 |
| 84.126 | 20.07 | -21.2 | 41.27 | Vertical | 40 | 19.93 |
| 168.322 | 19.73 | -19.1 | 38.83 | Vertical | 43.5 | 23.77 |
| 270.56 | 26.83 | -14.2 | 41.03 | Vertical | 46 | 19.17 |
| 390.7915 | 24.27 | -11 | 35.27 | Vertical | 46 | 21.73 |
| 877.8285 | 22.17 | -0.9 | 23.07 | Vertical | 46 | 23.83 |

For 802.11ac(VHT40)Channel No.:54

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 36.014 | 12.84 | -18.1 | 30.94 | Vertical | 40 | 27.16 |
| 78.112 | 18.3 | -21.7 | 40 | Vertical | 40 | 21.7 |
| 168.322 | 19.72 | -19.1 | 38.82 | Vertical | 43.5 | 23.78 |
| 199.168 | 22.43 | -16 | 38.43 | Vertical | 43.5 | 21.07 |
| 390.7915 | 24.24 | -11 | 35.24 | Vertical | 46 | 21.76 |
| 937.9685 | 22.63 | -0.4 | 23.03 | Vertical | 46 | 23.37 |

For 802.11n(HT40)Channel No.:62

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 36.014 | 12.85 | -18.1 | 30.95 | Vertical | 40 | 27.15 |
| 84.126 | 19.9 | -21.2 | 41.1 | Vertical | 40 | 20.1 |
| 168.322 | 19.76 | -19.1 | 38.86 | Vertical | 43.5 | 23.74 |
| 270.56 | 26.33 | -14.2 | 40.53 | Vertical | 46 | 19.67 |
| 378.7635 | 23.66 | -11.2 | 34.86 | Vertical | 46 | 22.34 |
| 937.9685 | 22.64 | -0.4 | 23.04 | Vertical | 46 | 23.36 |

For 802.11ac(VHT40)Channel No.:62

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 36.014 | 12.84 | -18.1 | 30.94 | Vertical | 40 | 27.16 |
| 84.126 | 19.94 | -21.2 | 41.14 | Vertical | 40 | 20.06 |
| 168.322 | 19.73 | -19.1 | 38.83 | Vertical | 43.5 | 23.77 |
| 270.56 | 26.39 | -14.2 | 40.59 | Vertical | 46 | 19.61 |
| 390.7915 | 24.2 | -11 | 35.2 | Vertical | 46 | 21.8 |
| 925.9405 | 21.45 | -0.2 | 21.65 | Vertical | 46 | 24.55 |

For 802.11ac(VHT80)Channel No.:58

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 48.0905 | 13.69 | -14.9 | 28.59 | Vertical | 40 | 26.31 |
| 78.112 | 18.33 | -21.7 | 40.03 | Vertical | 40 | 21.67 |
| 168.322 | 19.71 | -19.1 | 38.81 | Vertical | 43.5 | 23.79 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 270.56 | 26.27 | -14.2 | 40.47 | Vertical | 46 | 19.73 |
| 390.7915 | 24.22 | -11 | 35.22 | Vertical | 46 | 21.78 |
| 865.8005 | 22.49 | -1.1 | 23.59 | Vertical | 46 | 23.51 |

For 802.11aChannel No.:100

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 48.042 | 11.6 | -14.9 | 26.5 | Vertical | 40 | 28.4 |
| 84.126 | 19.93 | -21.2 | 41.13 | Vertical | 40 | 20.07 |
| 168.322 | 19.73 | -19.1 | 38.83 | Vertical | 43.5 | 23.77 |
| 270.56 | 26.35 | -14.2 | 40.55 | Vertical | 46 | 19.65 |
| 390.7915 | 24.2 | -11 | 35.2 | Vertical | 46 | 21.8 |
| 893.3 | 19.85 | -1 | 20.85 | Vertical | 46 | 26.15 |

For 802.11n(HT20)Channel No.:100

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 48.0905 | 13.73 | -14.9 | 28.63 | Vertical | 40 | 26.27 |
| 78.112 | 18.35 | -21.7 | 40.05 | Vertical | 40 | 21.65 |
| 168.322 | 19.79 | -19.1 | 38.89 | Vertical | 43.5 | 23.71 |
| 270.56 | 26.33 | -14.2 | 40.53 | Vertical | 46 | 19.67 |
| 378.7635 | 23.67 | -11.2 | 34.87 | Vertical | 46 | 22.33 |
| 892.718 | 20.74 | -1 | 21.74 | Vertical | 46 | 25.26 |

For 802.11ac(VHT20)Channel No.:100

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 48.042 | 11.65 | -14.9 | 26.55 | Vertical | 40 | 28.35 |
| 84.126 | 19.92 | -21.2 | 41.12 | Vertical | 40 | 20.08 |
| 168.322 | 19.74 | -19.1 | 38.84 | Vertical | 43.5 | 23.76 |
| 270.56 | 26.29 | -14.2 | 40.49 | Vertical | 46 | 19.71 |
| 390.7915 | 24.22 | -11 | 35.22 | Vertical | 46 | 21.78 |
| 865.4125 | 19.69 | -1.1 | 20.79 | Vertical | 46 | 26.31 |

For 802.11aChannel No.:120

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 48.042 | 11.6 | -14.9 | 26.5 | Vertical | 40 | 28.4 |
| 84.126 | 19.93 | -21.2 | 41.13 | Vertical | 40 | 20.07 |
| 99.646 | 11.08 | -16.9 | 27.98 | Vertical | 43.5 | 32.42 |
| 270.56 | 26.36 | -14.2 | 40.56 | Vertical | 46 | 19.64 |
| 390.7915 | 24.23 | -11 | 35.23 | Vertical | 46 | 21.77 |
| 891.748 | 19.89 | -1 | 20.89 | Vertical | 46 | 26.11 |

For 802.11n(HT20)Channel No.:120

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 36.014 | 12.82 | -18.1 | 30.92 | Vertical | 40 | 27.18 |
| 84.1745 | 22.1 | -21.2 | 43.3 | Vertical | 40 | 17.9 |
| 168.322 | 19.74 | -19.1 | 38.84 | Vertical | 43.5 | 23.76 |
| 270.56 | 26.32 | -14.2 | 40.52 | Vertical | 46 | 19.68 |
| 390.7915 | 24.55 | -11 | 35.55 | Vertical | 46 | 21.45 |
| 937.9685 | 22.66 | -0.4 | 23.06 | Vertical | 46 | 23.34 |

For 802.11ac(VHT20)Channel No.:120

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 48.042 | 11.55 | -14.9 | 26.45 | Vertical | 40 | 28.45 |
| 84.1745 | 22.11 | -21.2 | 43.31 | Vertical | 40 | 17.89 |
| 168.322 | 19.76 | -19.1 | 38.86 | Vertical | 43.5 | 23.74 |
| 270.56 | 26.35 | -14.2 | 40.55 | Vertical | 46 | 19.65 |
| 390.7915 | 24.22 | -11 | 35.22 | Vertical | 46 | 21.78 |
| 878.4105 | 19.79 | -0.9 | 20.69 | Vertical | 46 | 26.21 |

For 802.11aChannel No.:140

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 36.014 | 12.84 | -18.1 | 30.94 | Vertical | 40 | 27.16 |
| 84.126 | 19.92 | -21.2 | 41.12 | Vertical | 40 | 20.08 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 168.322 | 19.71 | -19.1 | 38.81 | Vertical | 43.5 | 23.79 |
| 270.56 | 26.2 | -14.2 | 40.4 | Vertical | 46 | 19.8 |
| 390.7915 | 24.22 | -11 | 35.22 | Vertical | 46 | 21.78 |
| 901.642 | 19.68 | -1.1 | 20.78 | Vertical | 46 | 26.32 |

For 802.11n(HT20)Channel No.:140

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 36.014 | 12.8 | -18.1 | 30.9 | Vertical | 40 | 27.2 |
| 78.112 | 18.31 | -21.7 | 40.01 | Vertical | 40 | 21.69 |
| 168.322 | 19.72 | -19.1 | 38.82 | Vertical | 43.5 | 23.78 |
| 270.56 | 26.2 | -14.2 | 40.4 | Vertical | 46 | 19.8 |
| 378.7635 | 23.67 | -11.2 | 34.87 | Vertical | 46 | 22.33 |
| 947.135 | 20.33 | -0.6 | 20.93 | Vertical | 46 | 25.67 |

For 802.11ac(VHT20)Channel No.:140

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 36.014 | 12.82 | -18.1 | 30.92 | Vertical | 40 | 27.18 |
| 78.1605 | 21.87 | -21.7 | 43.57 | Vertical | 40 | 18.13 |
| 168.322 | 19.74 | -19.1 | 38.84 | Vertical | 43.5 | 23.76 |
| 270.56 | 26.35 | -14.2 | 40.55 | Vertical | 46 | 19.65 |
| 390.7915 | 24.24 | -11 | 35.24 | Vertical | 46 | 21.76 |
| 944.225 | 20.08 | -0.6 | 20.68 | Vertical | 46 | 25.92 |

For 802.11n(HT40)Channel No.:102

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 48.042 | 11.63 | -14.9 | 26.53 | Vertical | 40 | 28.37 |
| 84.126 | 19.9 | -21.2 | 41.1 | Vertical | 40 | 20.1 |
| 168.322 | 19.76 | -19.1 | 38.86 | Vertical | 43.5 | 23.74 |
| 270.56 | 26.4 | -14.2 | 40.6 | Vertical | 46 | 19.6 |
| 390.7915 | 24.22 | -11 | 35.22 | Vertical | 46 | 21.78 |
| 940.4905 | 20.23 | -0.4 | 20.63 | Vertical | 46 | 25.77 |

For 802.11ac(VHT40)Channel No.:102

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 48.042 | 11.62 | -14.9 | 26.52 | Vertical | 40 | 28.38 |
| 84.126 | 19.92 | -21.2 | 41.12 | Vertical | 40 | 20.08 |
| 168.322 | 19.74 | -19.1 | 38.84 | Vertical | 43.5 | 23.76 |
| 270.56 | 26.31 | -14.2 | 40.51 | Vertical | 46 | 19.69 |
| 390.7915 | 24.28 | -11 | 35.28 | Vertical | 46 | 21.72 |
| 745.569 | 22.83 | -2.9 | 25.73 | Vertical | 46 | 23.17 |

For 802.11n(HT40)Channel No.:118

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 36.014 | 12.85 | -18.1 | 30.95 | Vertical | 40 | 27.15 |
| 84.126 | 19.93 | -21.2 | 41.13 | Vertical | 40 | 20.07 |
| 168.322 | 19.76 | -19.1 | 38.86 | Vertical | 43.5 | 23.74 |
| 270.56 | 26.31 | -14.2 | 40.51 | Vertical | 46 | 19.69 |
| 390.7915 | 24.24 | -11 | 35.24 | Vertical | 46 | 21.76 |
| 745.569 | 22.83 | -2.9 | 25.73 | Vertical | 46 | 23.17 |

For 802.11ac(VHT40)Channel No.:118

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 36.014 | 12.83 | -18.1 | 30.93 | Vertical | 40 | 27.17 |
| 84.126 | 19.92 | -21.2 | 41.12 | Vertical | 40 | 20.08 |
| 168.322 | 19.71 | -19.1 | 38.81 | Vertical | 43.5 | 23.79 |
| 270.56 | 26.46 | -14.2 | 40.66 | Vertical | 46 | 19.54 |
| 390.7915 | 24.22 | -11 | 35.22 | Vertical | 46 | 21.78 |
| 919.878 | 22.16 | -0.3 | 22.46 | Vertical | 46 | 23.84 |

For 802.11n(HT40)Channel No.:142

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 36.014 | 12.85 | -18.1 | 30.95 | Vertical | 40 | 27.15 |
| 78.112 | 18.32 | -21.7 | 40.02 | Vertical | 40 | 21.68 |
| 168.322 | 19.77 | -19.1 | 38.87 | Vertical | 43.5 | 23.73 |
| 264.4975 | 21.29 | -14.4 | 35.69 | Vertical | 46 | 24.71 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 390.7915 | 24.22 | -11 | 35.22 | Vertical | 46 | 21.78 |
| 933.555 | 20.44 | -0.2 | 20.64 | Vertical | 46 | 25.56 |

For 802.11ac(VHT40)Channel No.:142

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 36.014 | 12.84 | -18.1 | 30.94 | Vertical | 40 | 27.16 |
| 84.126 | 19.92 | -21.2 | 41.12 | Vertical | 40 | 20.08 |
| 168.322 | 19.78 | -19.1 | 38.88 | Vertical | 43.5 | 23.72 |
| 264.546 | 25.05 | -14.4 | 39.45 | Vertical | 46 | 20.95 |
| 399.9095 | 16.72 | -10.7 | 27.42 | Vertical | 46 | 29.28 |
| 930.2085 | 20.59 | -0.1 | 20.69 | Vertical | 46 | 25.41 |

For 802.11ac(VHT80)Channel No.:106

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 46.7325 | 9.66 | -15.3 | 24.96 | Vertical | 40 | 30.34 |
| 84.126 | 19.93 | -21.2 | 41.13 | Vertical | 40 | 20.07 |
| 168.322 | 19.75 | -19.1 | 38.85 | Vertical | 43.5 | 23.75 |
| 270.56 | 26.37 | -14.2 | 40.57 | Vertical | 46 | 19.63 |
| 390.7915 | 24.25 | -11 | 35.25 | Vertical | 46 | 21.75 |
| 939.375 | 20.3 | -0.4 | 20.7 | Vertical | 46 | 25.7 |

For 802.11ac(VHT80)Channel No.:122

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 48.0905 | 13.73 | -14.9 | 28.63 | Vertical | 40 | 26.27 |
| 78.112 | 18.29 | -21.7 | 39.99 | Vertical | 40 | 21.71 |
| 168.322 | 19.72 | -19.1 | 38.82 | Vertical | 43.5 | 23.78 |
| 270.56 | 26.38 | -14.2 | 40.58 | Vertical | 46 | 19.62 |
| 378.7635 | 23.68 | -11.2 | 34.88 | Vertical | 46 | 22.32 |
| 745.5205 | 22.48 | -2.9 | 25.38 | Vertical | 46 | 23.52 |

For 802.11ac(VHT80)Channel No.:138

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|

| | | | | | | |
|---|---|---|---|---|---|---|
| 36.014 | 12.82 | -18.1 | 30.92 | Vertical | 40 | 27.18 |
| 84.1745 | 22.12 | -21.2 | 43.32 | Vertical | 40 | 17.88 |
| 138.252 | 17.73 | -20 | 37.73 | Vertical | 43.5 | 25.77 |
| 270.56 | 26.39 | -14.2 | 40.59 | Vertical | 46 | 19.61 |
| 390.7915 | 24.23 | -11 | 35.23 | Vertical | 46 | 21.77 |
| 895.8705 | 21.66 | -1 | 22.66 | Vertical | 46 | 24.34 |

For 802.11aChannel No.:149

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 44.55 | 9.62 | -15.6 | 25.22 | Vertical | 40 | 30.39 |
| 84.1745 | 22.12 | -21.2 | 43.32 | Vertical | 40 | 17.88 |
| 168.322 | 19.75 | -19.1 | 38.85 | Vertical | 43.5 | 23.75 |
| 270.56 | 26.36 | -14.2 | 40.56 | Vertical | 46 | 19.64 |
| 390.7915 | 24.24 | -11 | 35.24 | Vertical | 46 | 21.76 |
| 941.412 | 20.23 | -0.4 | 20.63 | Vertical | 46 | 25.77 |

For 802.11n(HT20)Channel No.:149

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 48.0905 | 13.7 | -14.9 | 28.6 | Vertical | 40 | 26.3 |
| 84.126 | 19.92 | -21.2 | 41.12 | Vertical | 40 | 20.08 |
| 168.322 | 19.75 | -19.1 | 38.85 | Vertical | 43.5 | 23.75 |
| 270.56 | 26.27 | -14.2 | 40.47 | Vertical | 46 | 19.73 |
| 390.7915 | 24.22 | -11 | 35.22 | Vertical | 46 | 21.79 |
| 919.8295 | 20.81 | -0.3 | 21.11 | Vertical | 46 | 25.19 |

For 802.11ac(VHT20)Channel No.:149

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 48.042 | 11.58 | -14.9 | 26.48 | Vertical | 40 | 28.42 |
| 84.126 | 19.89 | -21.2 | 41.09 | Vertical | 40 | 20.11 |
| 168.322 | 19.73 | -19.1 | 38.83 | Vertical | 43.5 | 23.77 |
| 299.66 | 23.35 | -13.4 | 36.75 | Vertical | 46 | 22.65 |
| 378.7635 | 23.69 | -11.2 | 34.89 | Vertical | 46 | 22.31 |
| 882.3875 | 19.77 | -0.9 | 20.67 | Vertical | 46 | 26.23 |

For 802.11aChannel No.:157

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 36.014 | 12.8 | -18.1 | 30.9 | Vertical | 40 | 27.2 |
| 78.112 | 18.27 | -21.7 | 39.97 | Vertical | 40 | 21.73 |
| 168.322 | 19.71 | -19.1 | 38.81 | Vertical | 43.5 | 23.79 |
| 270.56 | 26.27 | -14.2 | 40.47 | Vertical | 46 | 19.73 |
| 378.7635 | 23.69 | -11.2 | 34.89 | Vertical | 46 | 22.31 |
| 980.697 | 20.77 | 0 | 20.77 | Vertical | 54 | 33.23 |

For 802.11n(HT20)Channel No.:157

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 36.014 | 12.81 | -18.1 | 30.91 | Vertical | 40 | 27.19 |
| 84.1745 | 22.18 | -21.2 | 43.38 | Vertical | 40 | 17.82 |
| 168.322 | 19.73 | -19.1 | 38.83 | Vertical | 43.5 | 23.77 |
| 270.56 | 26.32 | -14.2 | 40.52 | Vertical | 46 | 19.68 |
| 390.7915 | 24.25 | -11 | 35.25 | Vertical | 46 | 21.75 |
| 906.5405 | 19.81 | -1 | 20.81 | Vertical | 46 | 26.19 |

For 802.11ac(VHT20)Channel No.:157

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 36.014 | 12.86 | -18.1 | 30.96 | Vertical | 40 | 27.14 |
| 78.112 | 18.26 | -21.7 | 39.96 | Vertical | 40 | 21.74 |
| 168.322 | 19.75 | -19.1 | 38.85 | Vertical | 43.5 | 23.75 |
| 270.56 | 26.42 | -14.2 | 40.62 | Vertical | 46 | 19.58 |
| 390.7915 | 24.24 | -11 | 35.24 | Vertical | 46 | 21.76 |
| 936.368 | 20.45 | -0.3 | 20.75 | Vertical | 46 | 25.55 |

For 802.11aChannel No.:165

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 48.0905 | 13.74 | -14.9 | 28.64 | Vertical | 40 | 26.26 |
| 78.112 | 18.24 | -21.7 | 39.94 | Vertical | 40 | 21.76 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 168.322 | 19.74 | -19.1 | 38.84 | Vertical | 43.5 | 23.76 |
| 264.546 | 25.03 | -14.4 | 39.43 | Vertical | 46 | 20.97 |
| 390.7915 | 24.2 | -11 | 35.2 | Vertical | 46 | 21.8 |
| 931.712 | 20.6 | -0.1 | 20.7 | Vertical | 46 | 25.4 |

For 802.11n(HT20)Channel No.:165

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 48.0905 | 13.75 | -14.9 | 28.65 | Vertical | 40 | 26.25 |
| 84.126 | 19.92 | -21.2 | 41.12 | Vertical | 40 | 20.08 |
| 168.322 | 19.79 | -19.1 | 38.89 | Vertical | 43.5 | 23.71 |
| 270.56 | 26.34 | -14.2 | 40.54 | Vertical | 46 | 19.66 |
| 390.7915 | 24.25 | -11 | 35.25 | Vertical | 46 | 21.75 |
| 924.6795 | 20.5 | -0.3 | 20.8 | Vertical | 46 | 25.5 |

For 802.11ac(VHT20)Channel No.:165

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 36.014 | 12.81 | -18.1 | 30.91 | Vertical | 40 | 27.19 |
| 78.112 | 18.24 | -21.7 | 39.94 | Vertical | 40 | 21.76 |
| 168.322 | 19.7 | -19.1 | 38.8 | Vertical | 43.5 | 23.8 |
| 270.56 | 26.37 | -14.2 | 40.57 | Vertical | 46 | 19.63 |
| 390.7915 | 24.18 | -11 | 35.18 | Vertical | 46 | 21.82 |
| 937.9685 | 22.7 | -0.4 | 23.1 | Vertical | 46 | 23.3 |

For 802.11n(HT40)Channel No.:151

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 36.014 | 12.83 | -18.1 | 30.93 | Vertical | 40 | 27.17 |
| 84.126 | 19.85 | -21.2 | 41.05 | Vertical | 40 | 20.15 |
| 168.322 | 19.71 | -19.1 | 38.81 | Vertical | 43.5 | 23.79 |
| 270.56 | 26.3 | -14.2 | 40.5 | Vertical | 46 | 19.7 |
| 390.7915 | 24.17 | -11 | 35.17 | Vertical | 46 | 21.83 |
| 952.47 | 19.91 | -0.6 | 20.51 | Vertical | 46 | 26.09 |

For 802.11ac(VHT40)Channel No.:151

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 36.014 | 12.79 | -18.1 | 30.89 | Vertical | 40 | 27.21 |
| 84.1745 | 22.09 | -21.2 | 43.29 | Vertical | 40 | 17.91 |
| 168.322 | 19.69 | -19.1 | 38.79 | Vertical | 43.5 | 23.81 |
| 270.56 | 26.35 | -14.2 | 40.55 | Vertical | 46 | 19.65 |
| 390.7915 | 24.17 | -11 | 35.17 | Vertical | 46 | 21.83 |
| 943.5945 | 20.11 | -0.5 | 20.61 | Vertical | 46 | 25.89 |

For 802.11n(HT40)Channel No.:159

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 48.042 | 11.64 | -14.9 | 26.54 | Vertical | 40 | 28.36 |
| 78.112 | 18.25 | -21.7 | 39.95 | Vertical | 40 | 21.75 |
| 138.252 | 17.75 | -20 | 37.75 | Vertical | 43.5 | 25.75 |
| 270.56 | 26.35 | -14.2 | 40.55 | Vertical | 46 | 19.65 |
| 390.7915 | 24.18 | -11 | 35.18 | Vertical | 46 | 21.82 |
| 865.8005 | 22.52 | -1.1 | 23.62 | Vertical | 46 | 23.48 |

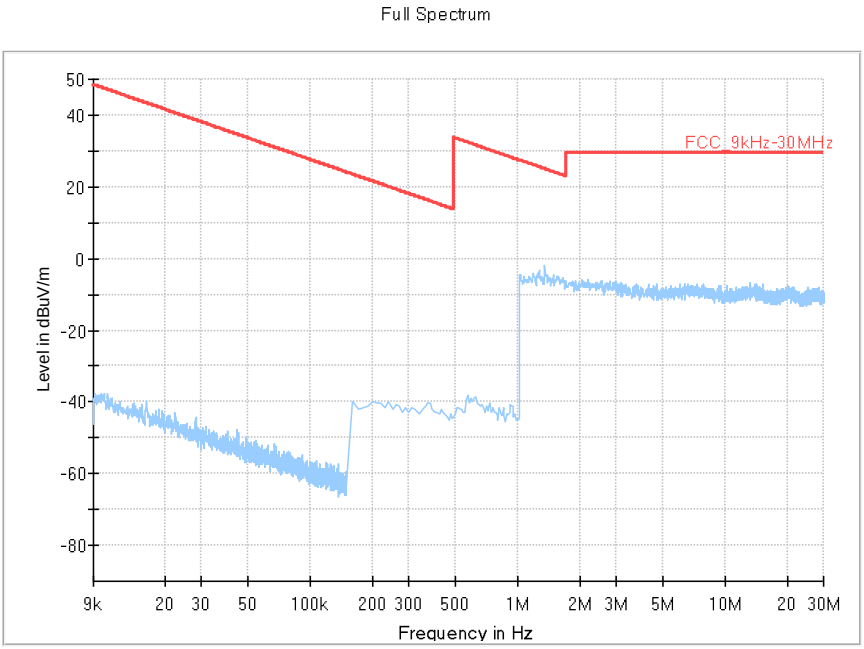
For 802.11ac(VHT40)Channel No.:159

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 36.014 | 12.81 | -18.1 | 30.91 | Vertical | 40 | 27.19 |
| 84.126 | 19.89 | -21.2 | 41.09 | Vertical | 40 | 20.11 |
| 168.322 | 19.73 | -19.1 | 38.83 | Vertical | 43.5 | 23.77 |
| 270.56 | 26.46 | -14.2 | 40.66 | Vertical | 46 | 19.54 |
| 390.7915 | 24.19 | -11 | 35.19 | Vertical | 46 | 21.81 |
| 939.0355 | 20.42 | -0.4 | 20.82 | Vertical | 46 | 25.58 |

For 802.11ac(VHT80)Channel No.:155

| Frequency(MHz) | Result(dBuV/m) | ARpl (dB) | Pmea (dBuV/m) | Polarity | Limit (dBuV/m) | Margin (dB) |
|---|---|---|---|---|---|---|
| 36.014 | 12.8 | -18.1 | 30.9 | Vertical | 40 | 27.2 |
| 84.1745 | 22.05 | -21.2 | 43.25 | Vertical | 40 | 17.95 |
| 168.322 | 19.76 | -19.1 | 38.86 | Vertical | 43.5 | 23.74 |
| 270.56 | 26.27 | -14.2 | 40.47 | Vertical | 46 | 19.73 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 390.7915 | 24.16 | -11 | 35.16 | Vertical | 46 | 21.84 |
| 877.8285 | 22.21 | -0.9 | 23.11 | Vertical | 46 | 23.79 |



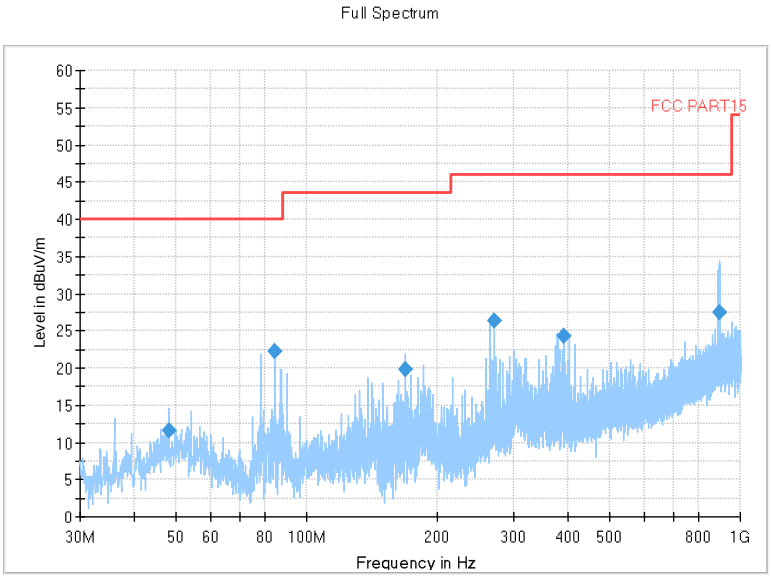

Frequency Range: 9kHz -30MHz

Detector: QP mode

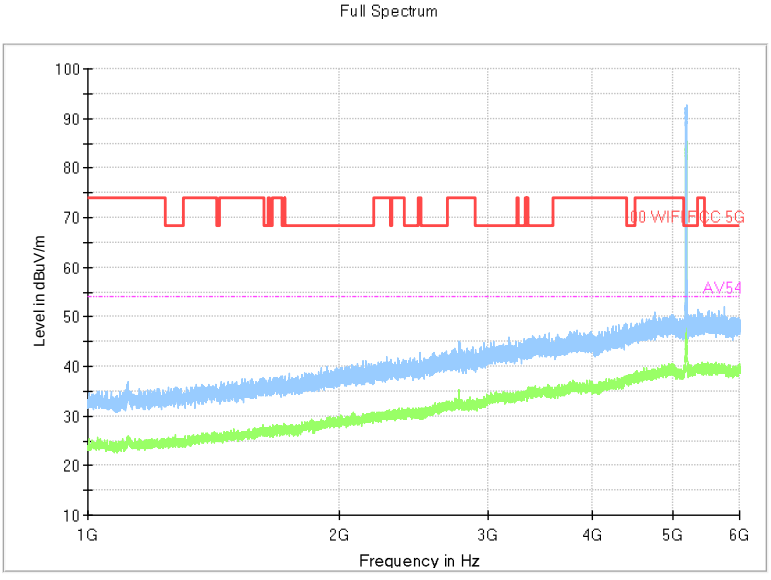
Note：The relevant tests have been performed in order to verify in which mode would have the worstfeatures, the result show above is the worst case.

Carrier frequency (MHz): 5180

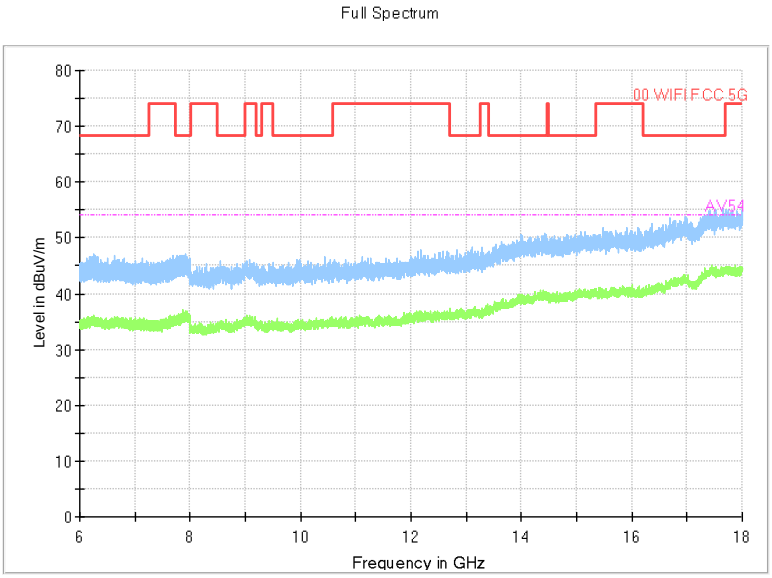
Channel No.:36



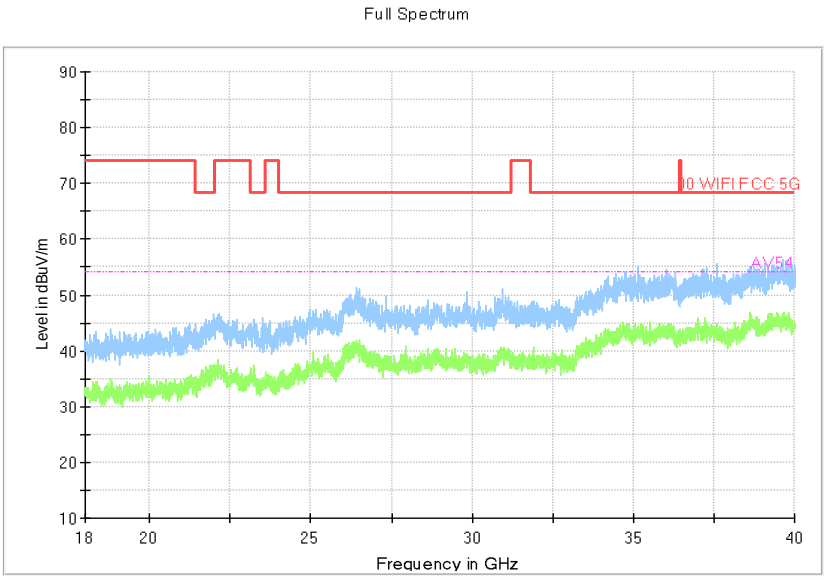

Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11a



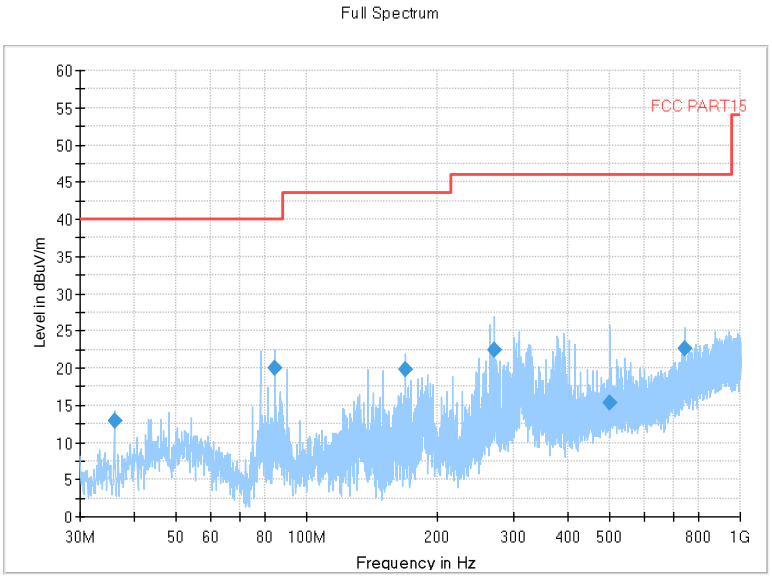

Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11a



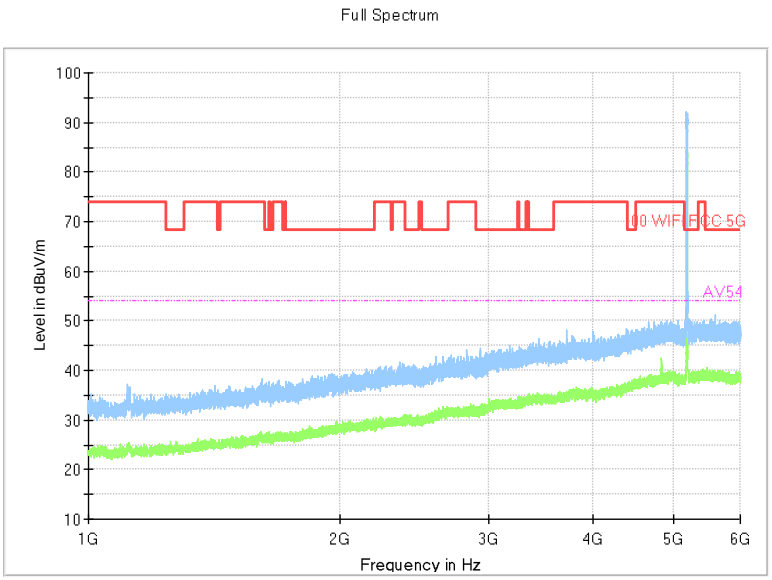

Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11a



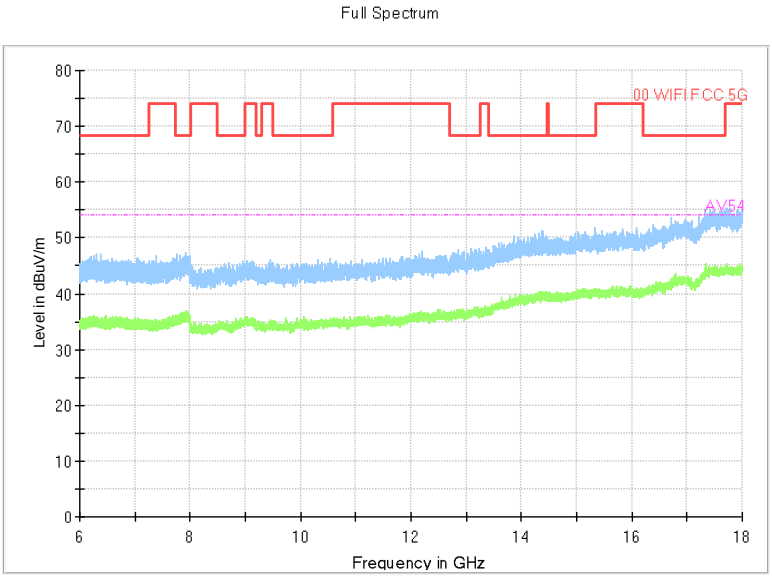

Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11a




Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11n(HT20)

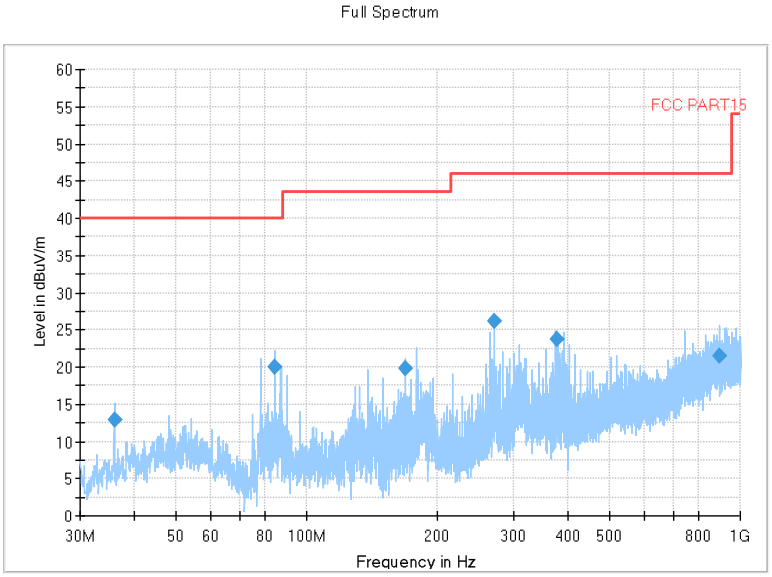



Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)




Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

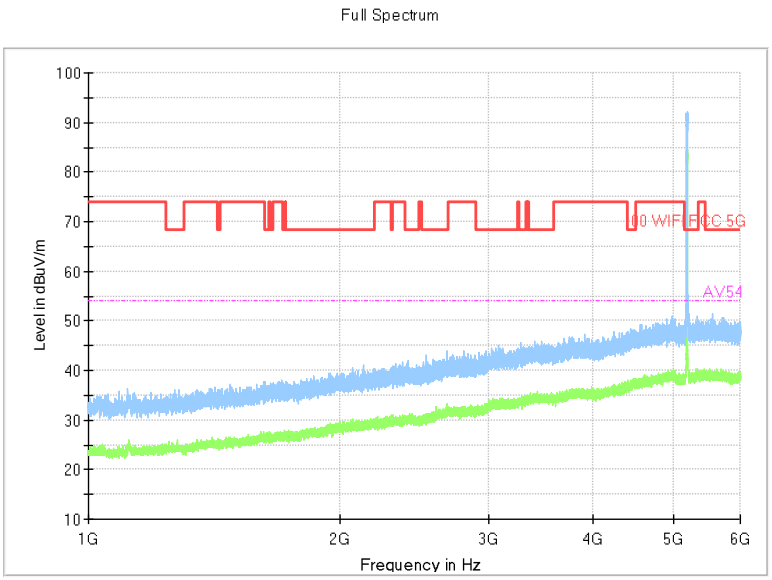

Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)




Frequency Range: 30MHz -1GHz

Detector: QP mode

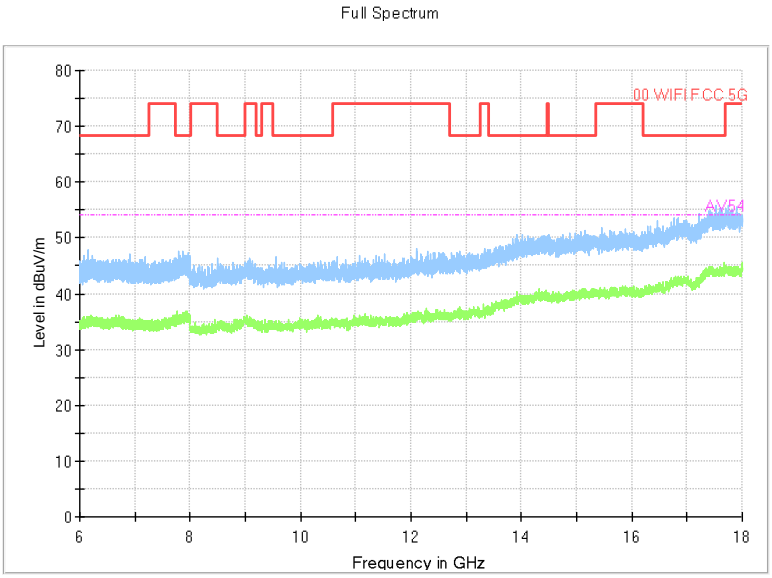
Test Mode: 802.11ac(VHT20)



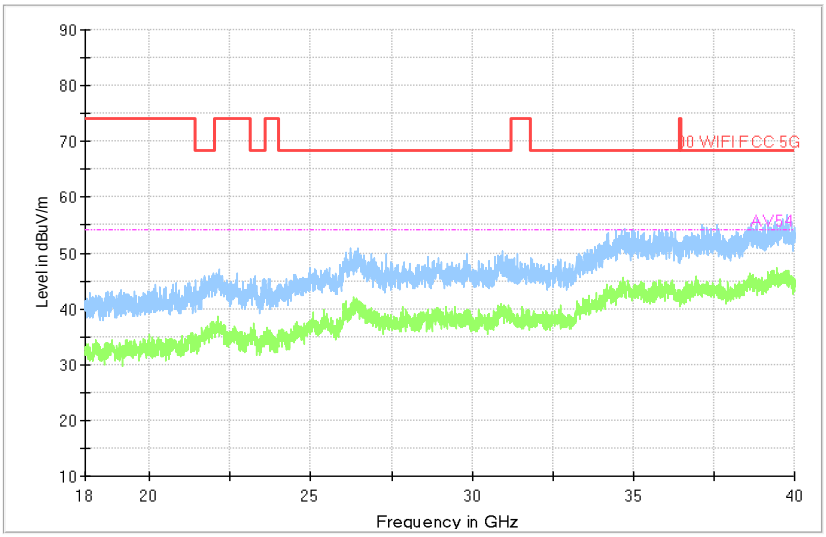

Frequency Range: 1GHz -6GHz

Detector: Av mode and PK mode

Test Mode: 802.11ac(VHT20)



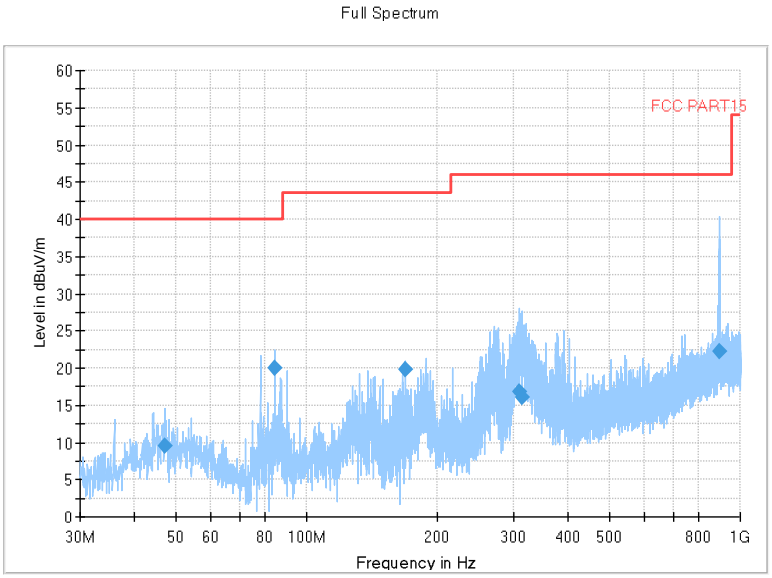

Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Test Mode: 802.11ac(VHT20)




Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Test Mode: 802.11ac(VHT20)

Carrier frequency (MHz): 5200

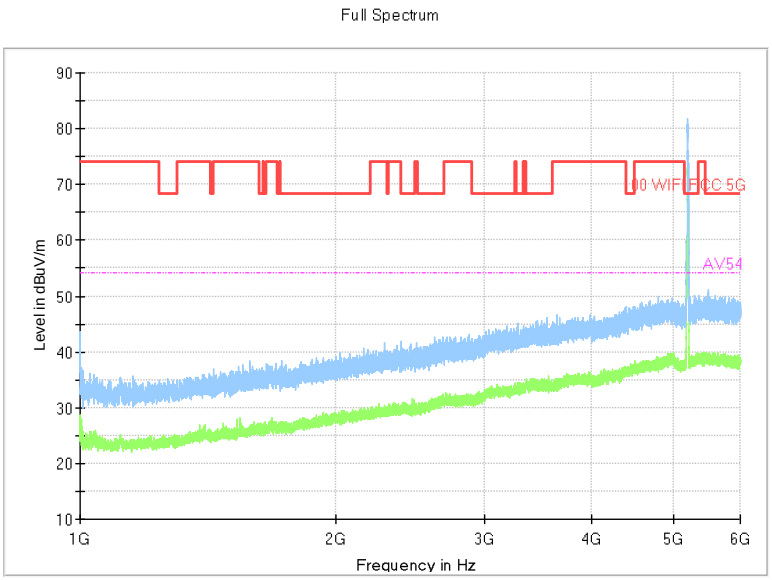
Channel No.40




Frequency Range: 30MHz -1GHz

Detector: QP mode

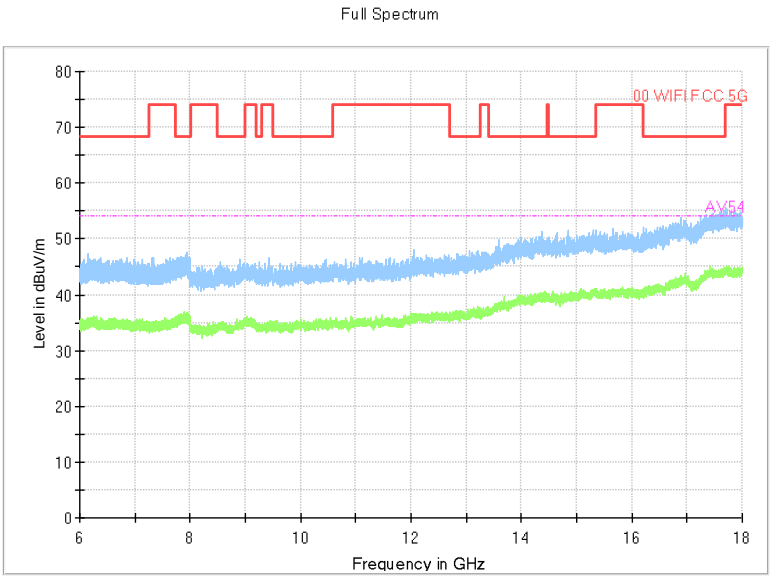
Modulation type: 802.11a



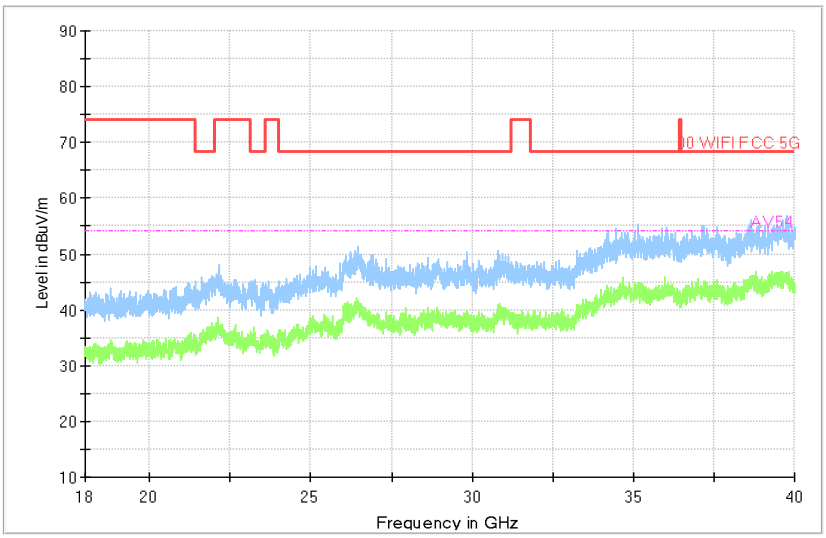

Frequency Range: 1GHz -6GHz

Detector: Av mode and PK mode

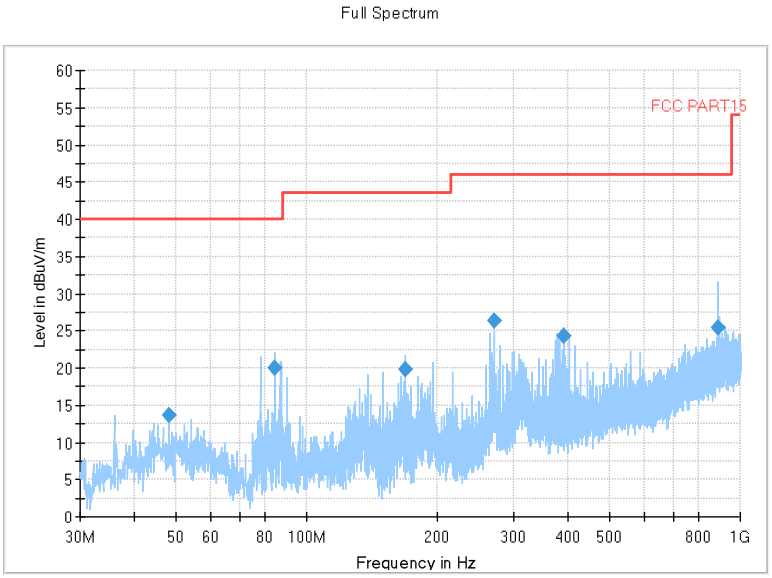
Modulation type: 802.11a



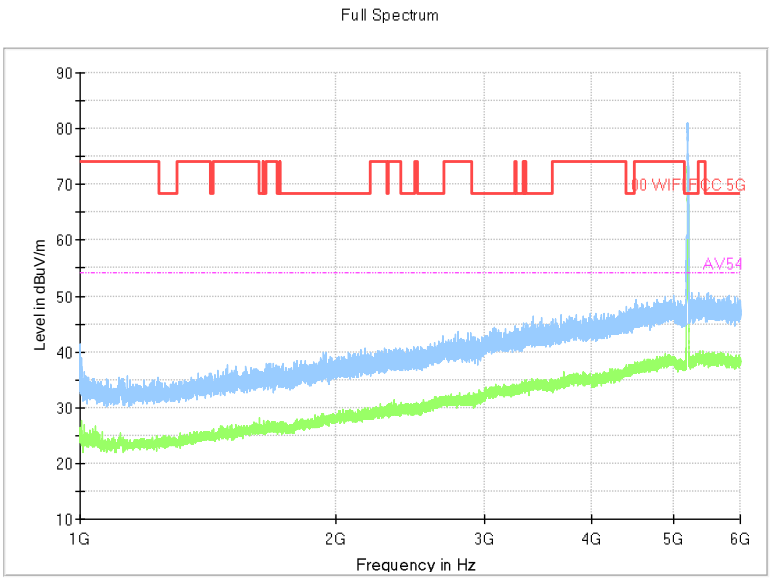

Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11a



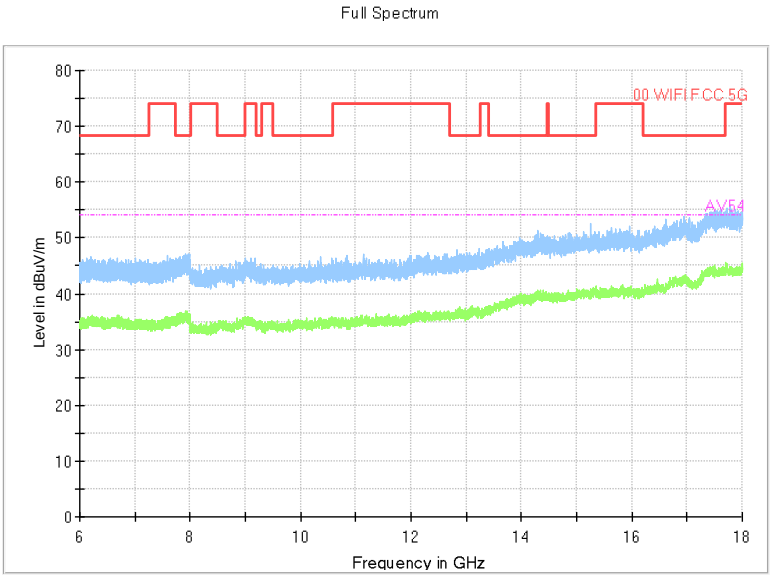

Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11a




Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11n(HT20)

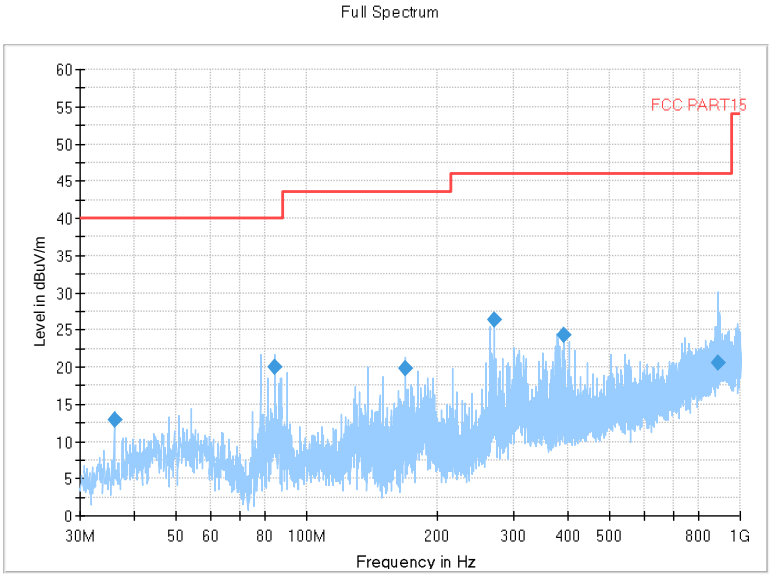



Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)




Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

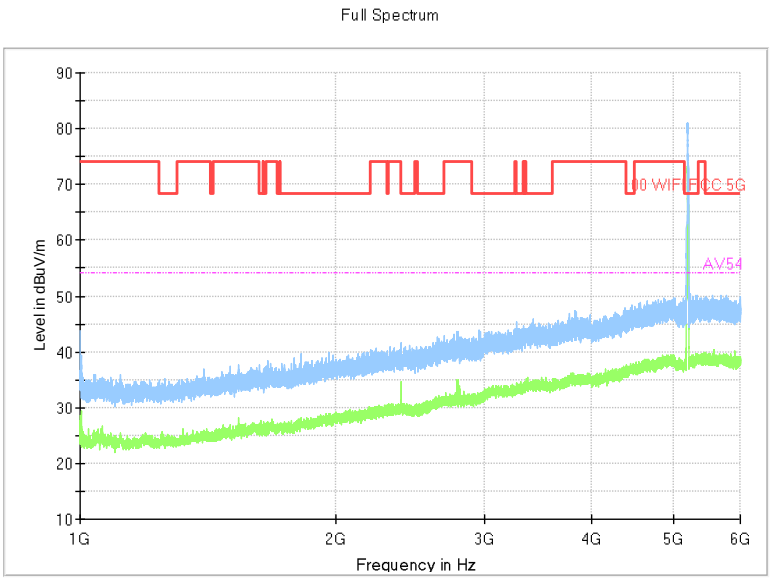

Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)




Frequency Range: 30MHz -1GHz

Detector: QP mode

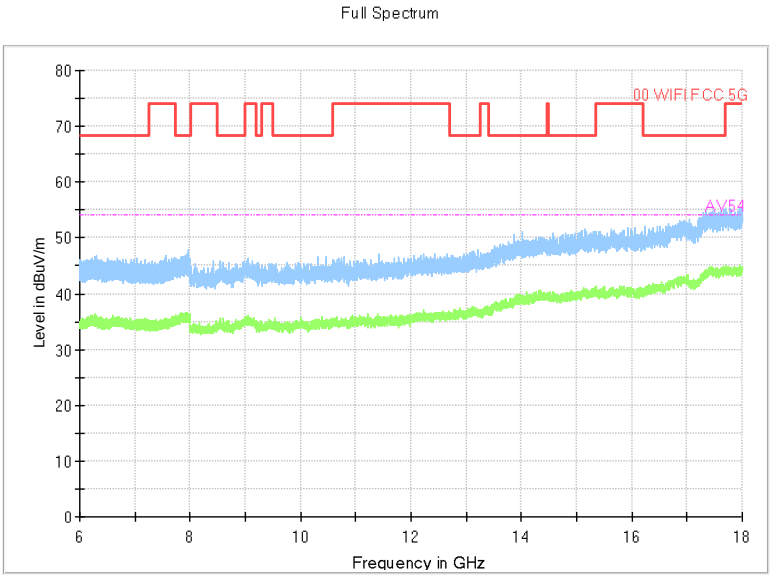
Test Mode: 802.11ac(VHT20)



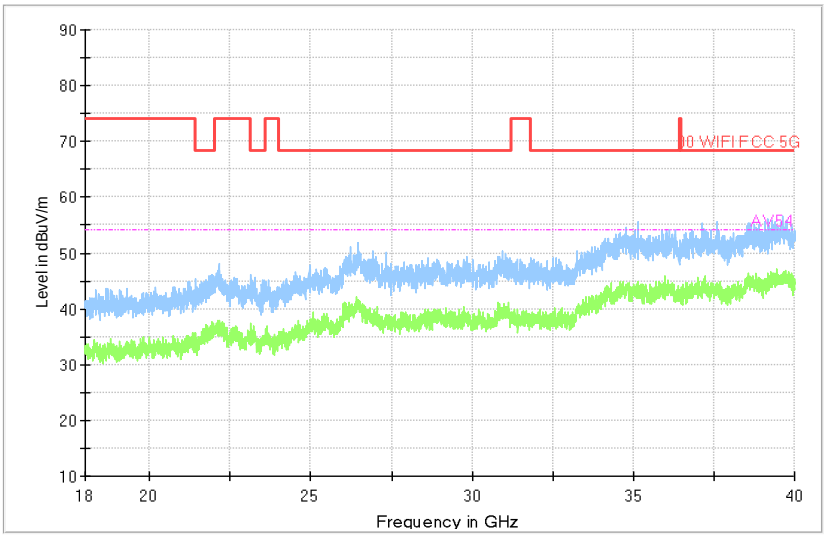

Frequency Range: 1GHz -6GHz

Detector: Av mode and PK mode

Test Mode: 802.11ac(VHT20)



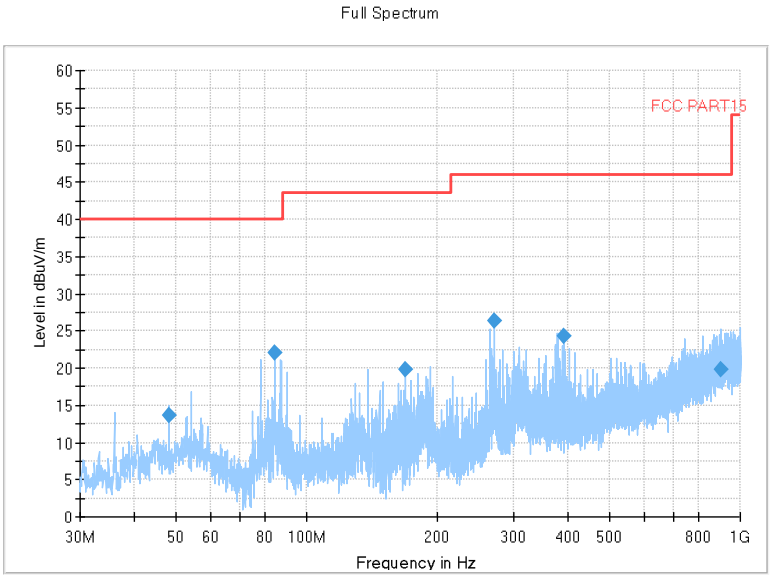

Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Test Mode: 802.11ac(VHT20)




Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Test Mode: 802.11ac(VHT20)

Carrier frequency (MHz): 5240

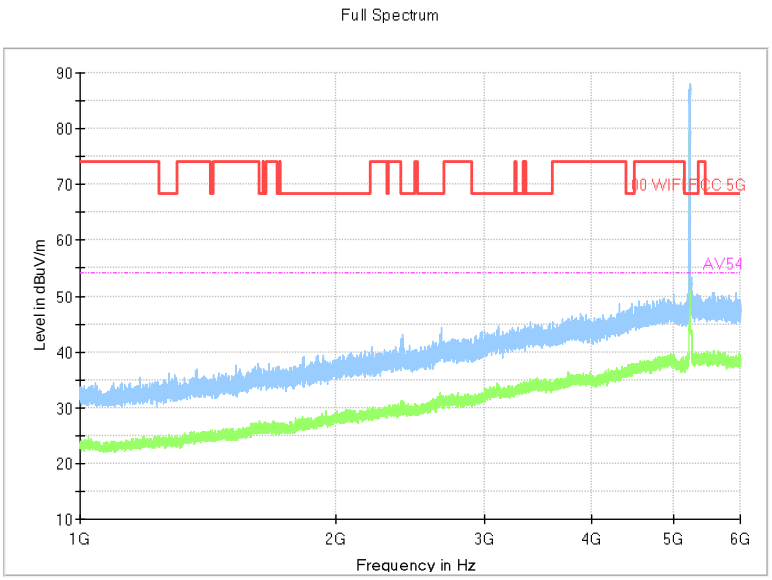
Channel No.:48




Frequency Range: 30MHz -1GHz

Detector: QP mode

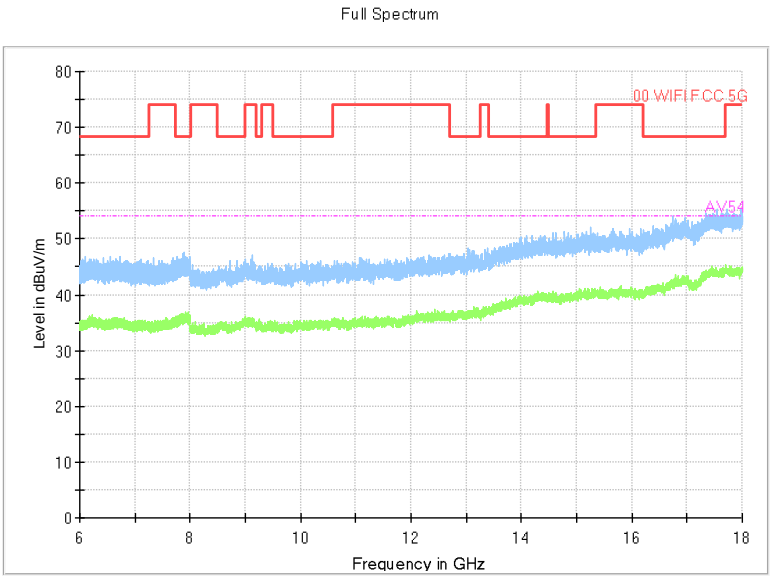
Modulation type: 802.11a



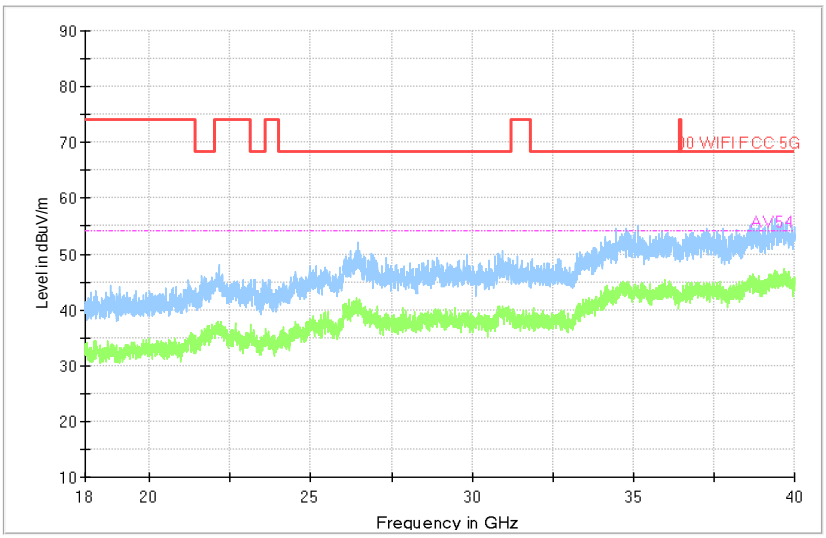

Frequency Range: 1GHz -6GHz

Detector: Av mode and PK mode

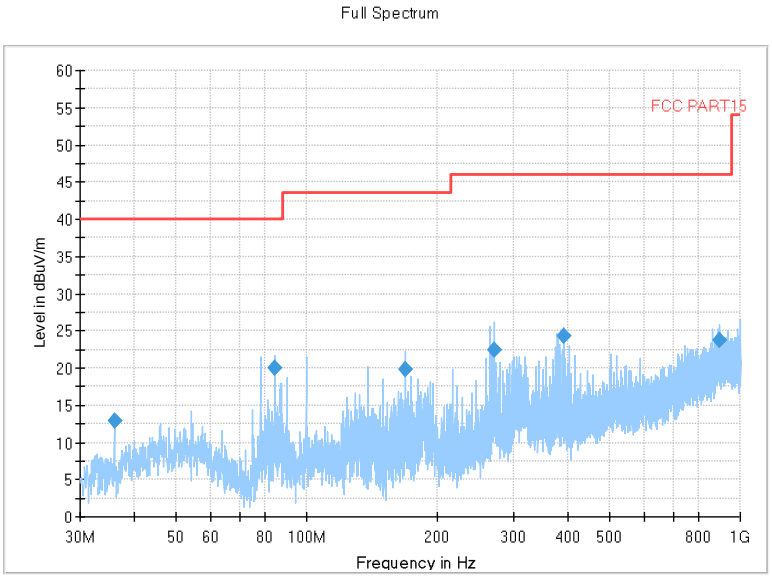
Modulation type: 802.11a



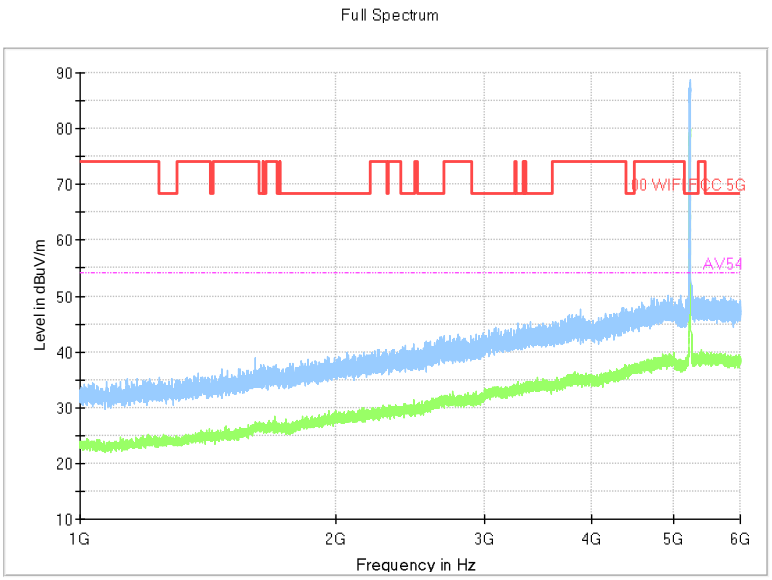

Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11a



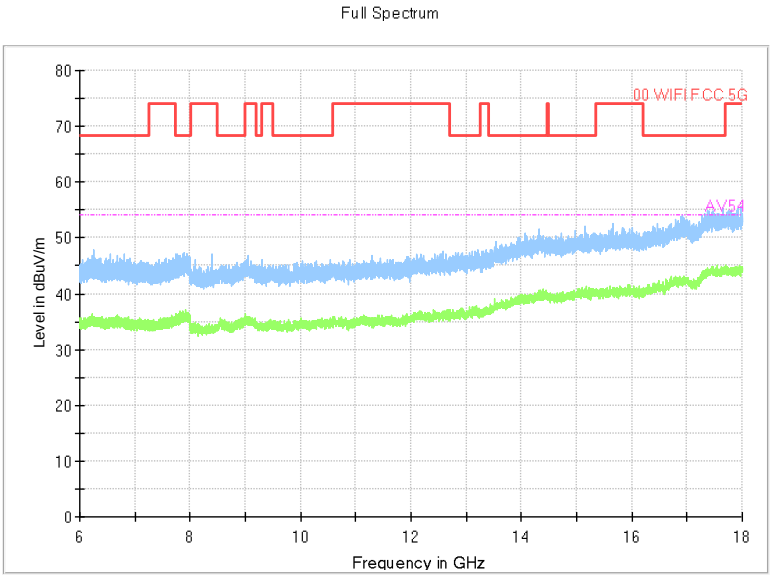

Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11a




Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11n(HT20)

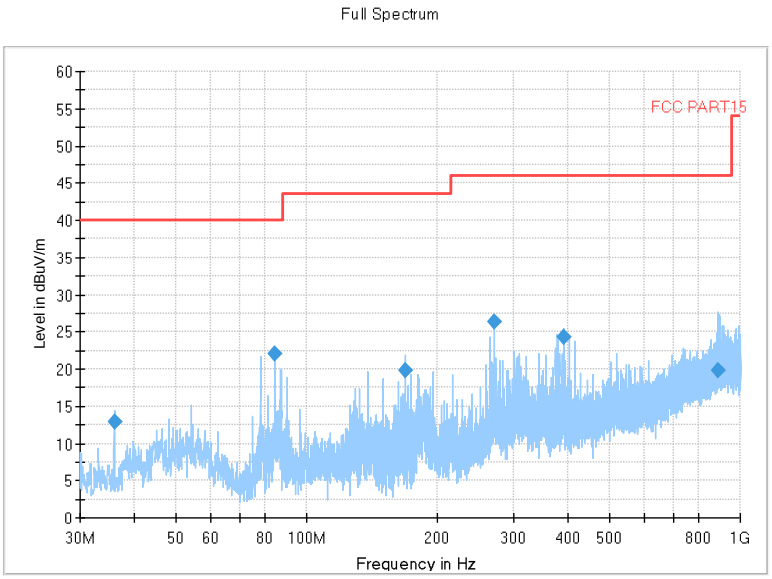



Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)




Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

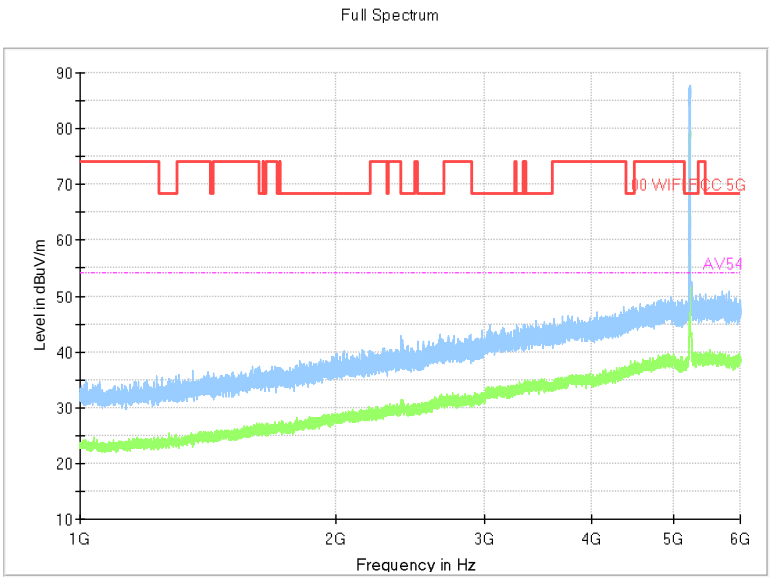

Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)




Frequency Range: 30MHz -1GHz

Detector: QP mode

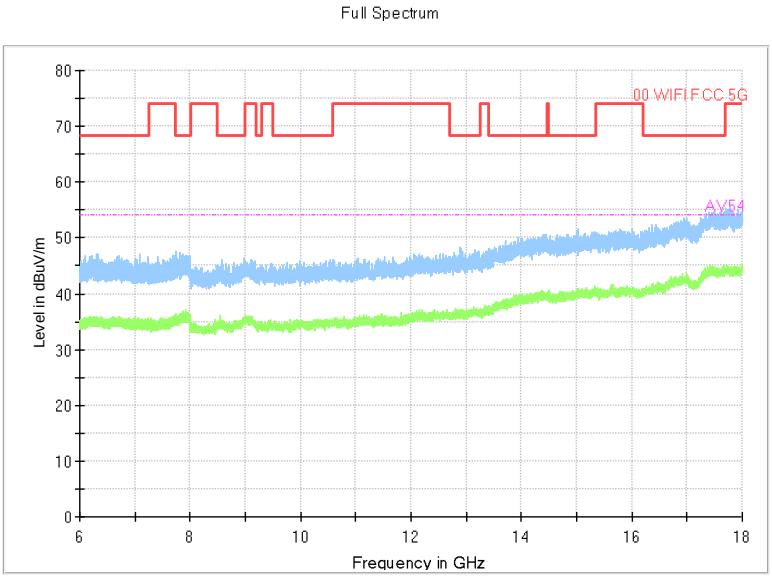
Test Mode: 802.11ac(VHT20)



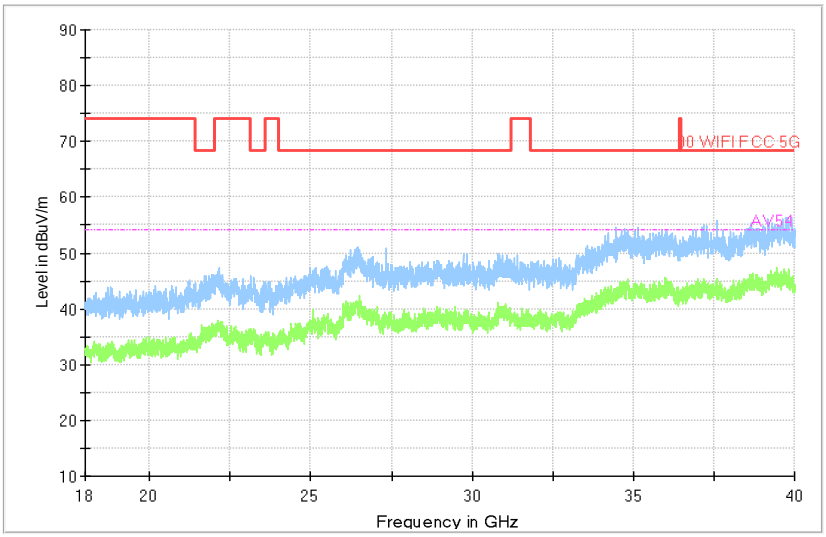

Frequency Range: 1GHz -6GHz

Detector: Av mode and PK mode

Test Mode: 802.11ac(VHT20)



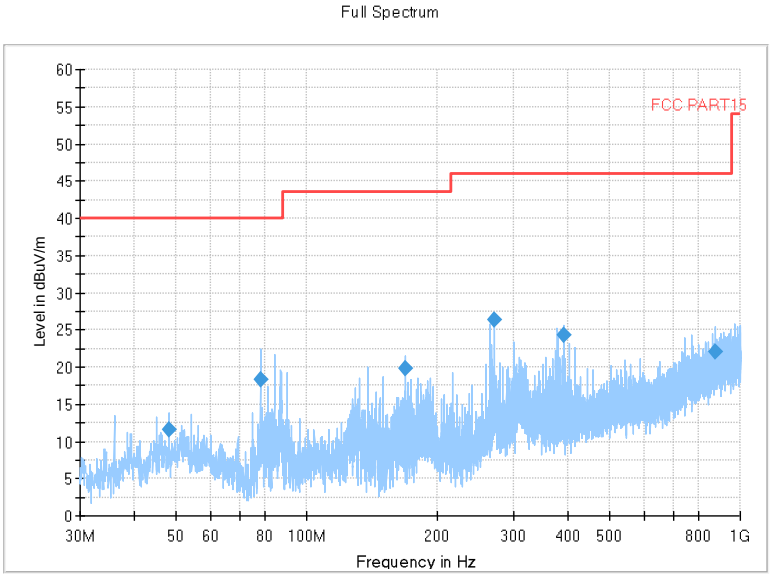

Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Test Mode: 802.11ac(VHT20)




Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Test Mode: 802.11ac(VHT20)

Carrier frequency (MHz): 5190

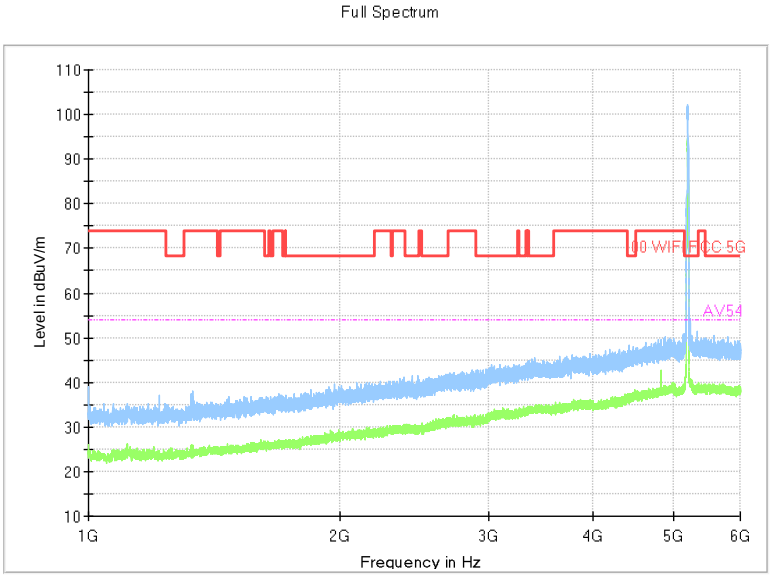
Channel No.:38




Frequency Range: 30MHz -1GHz

Detector: QP mode

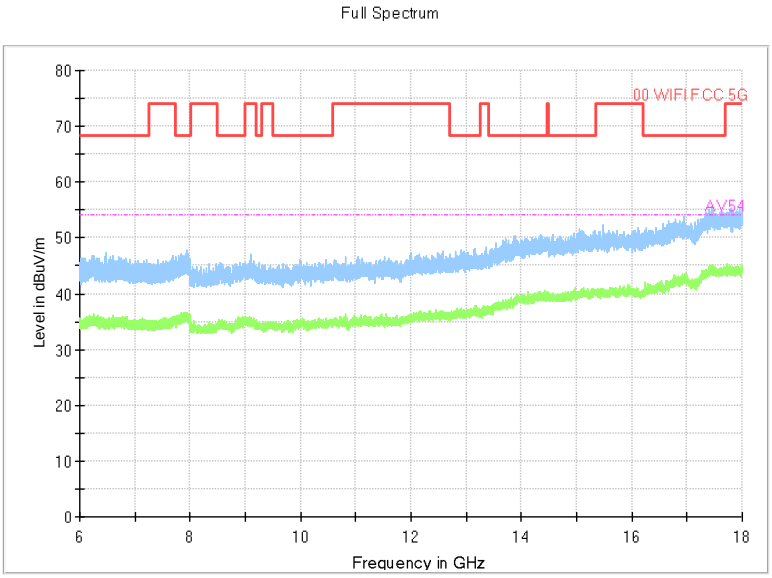
Modulation type: 802.11n(HT40)



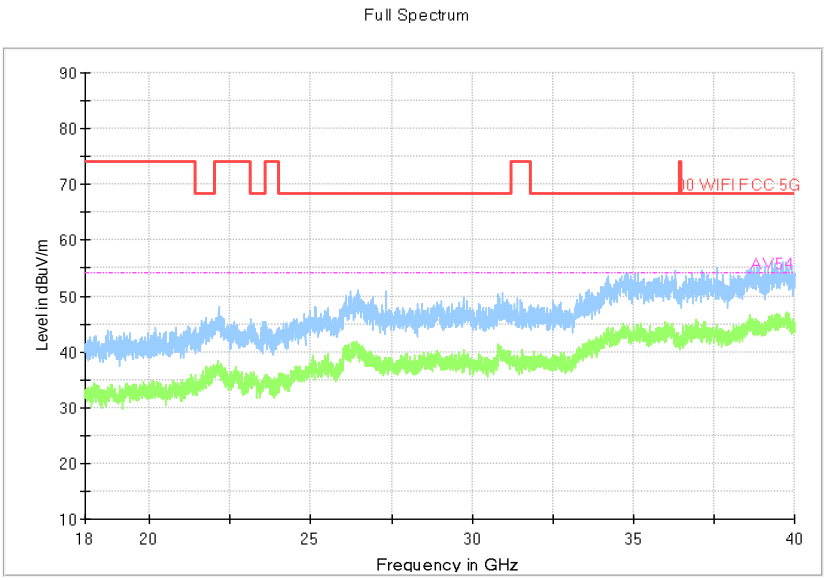

Frequency Range: 1GHz -6GHz

Detector: Av mode and PK mode

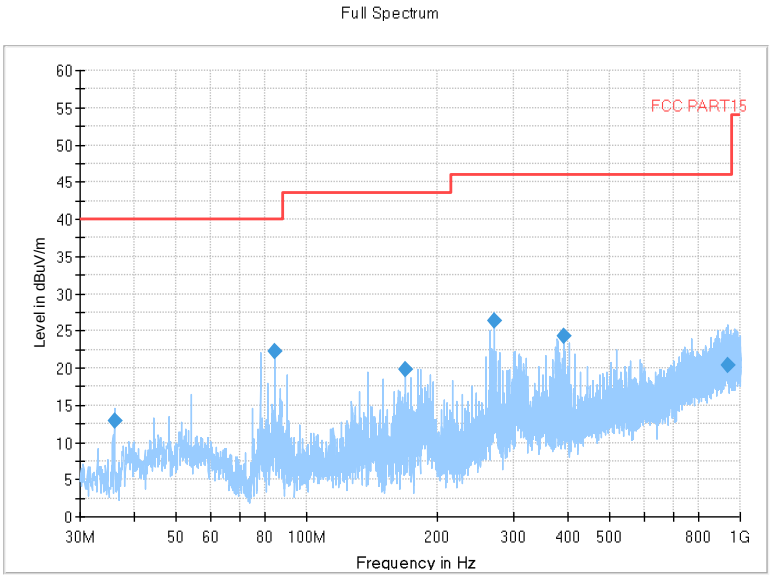
Modulation type: 802.11n(HT40)



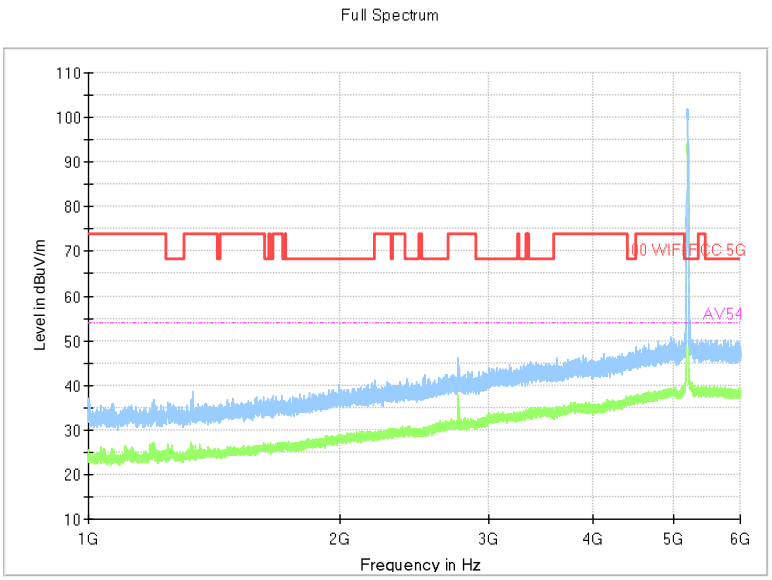

Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)



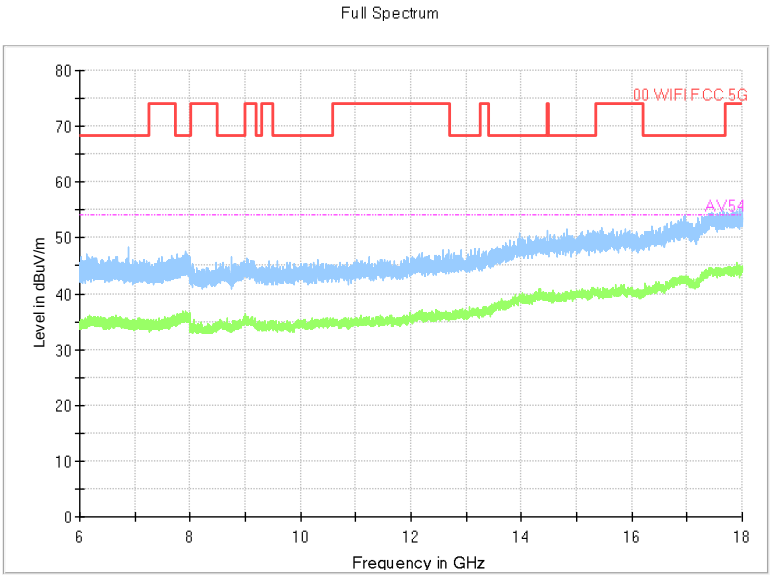

Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)



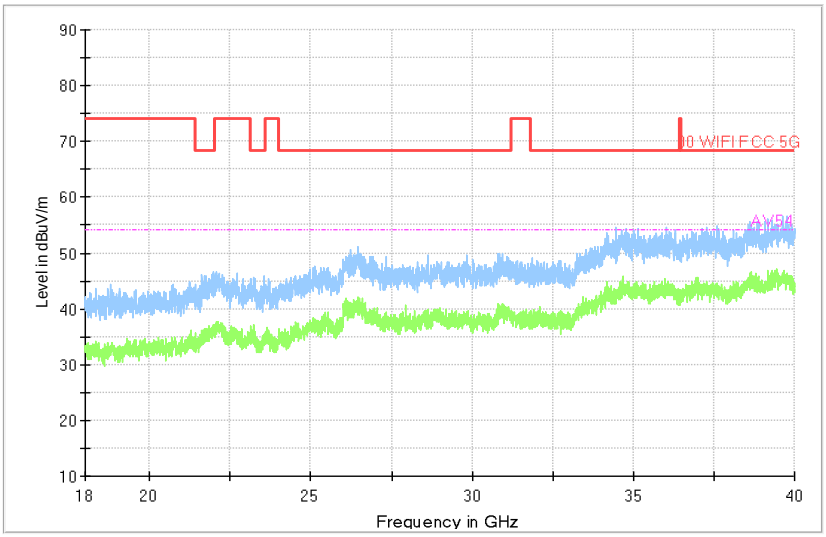

Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11ac(VHT40)




Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Test Mode: 802.11ac(VHT40)



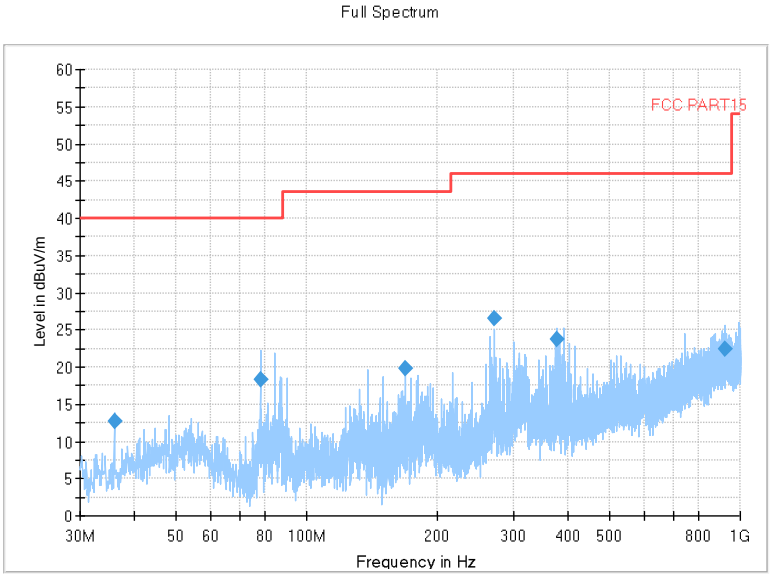

Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Test Mode: 802.11ac(VHT40)




Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Test Mode: 802.11ac(VHT40)

Carrier frequency (MHz): 5230

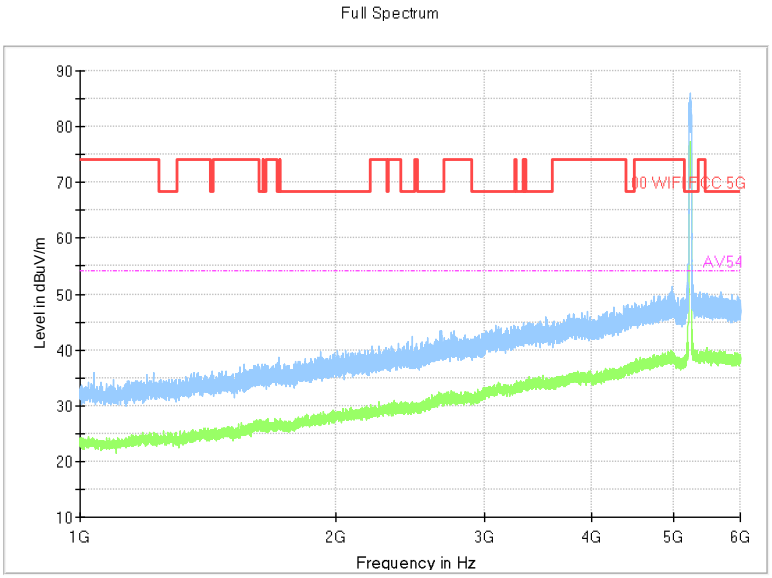
Channel No.:46




Frequency Range: 30MHz -1GHz

Detector: QP mode

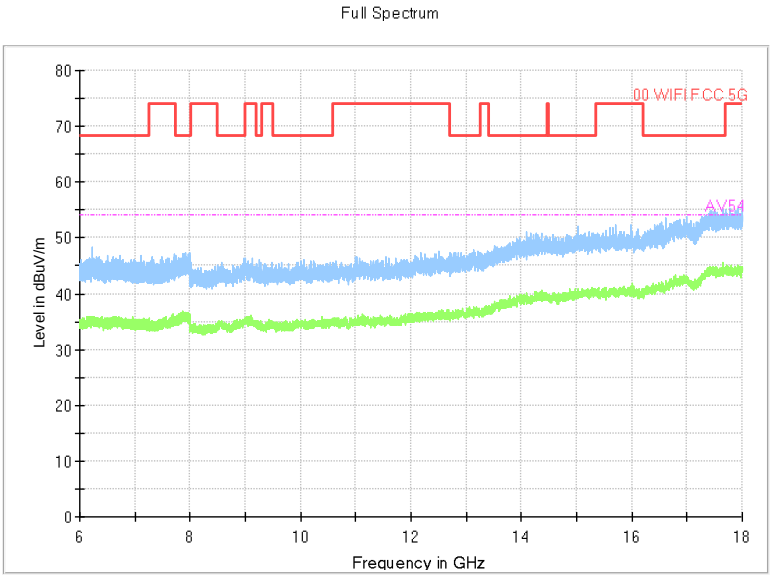
Modulation type: 802.11n(HT40)




Frequency Range: 1GHz -6GHz

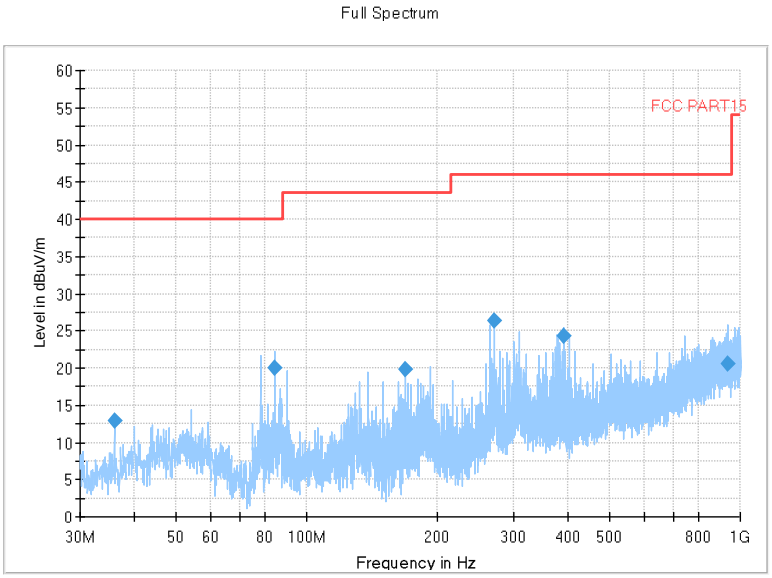
Detector: Av mode and PK mode

Modulation type: 802.11n(HT40)

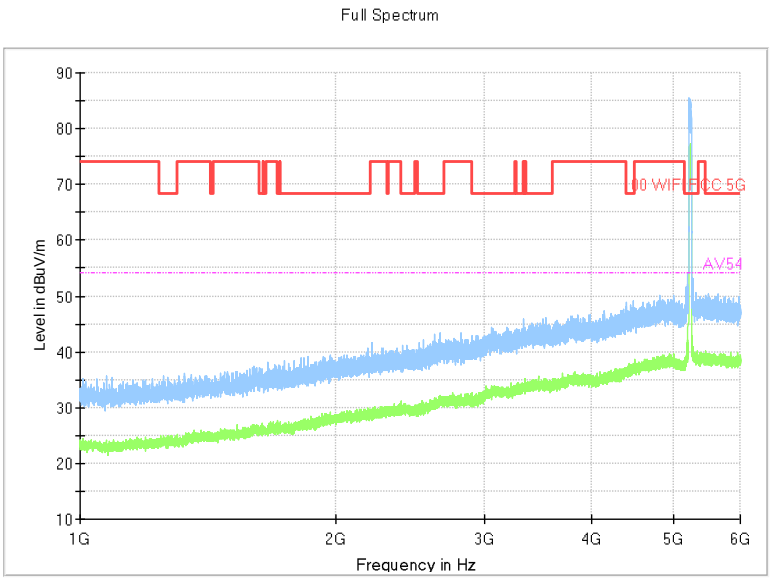



Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)

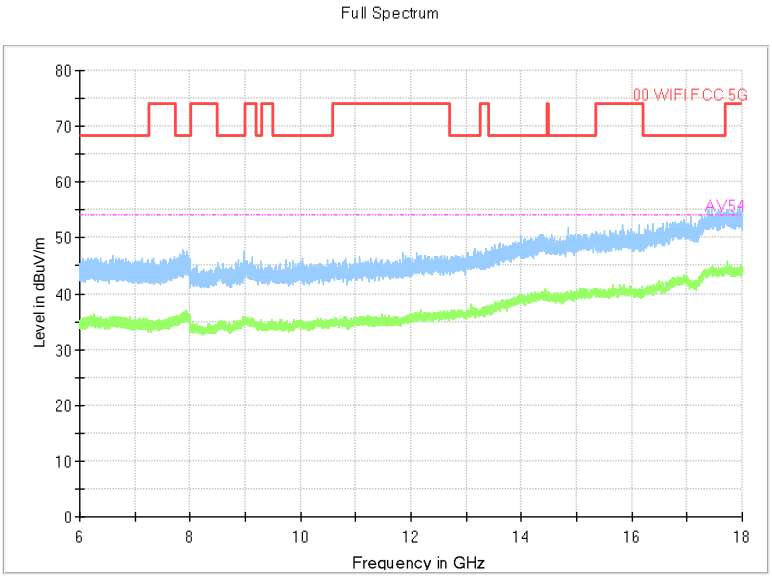

Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT40)



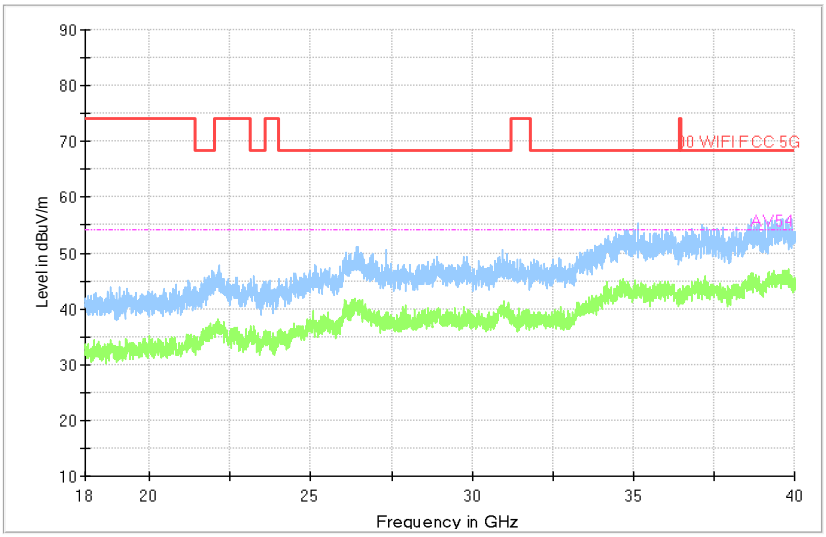

Frequency Range: 30MHz -1GHz
Detector: QP mode
Test Mode: 802.11ac(VHT40)




Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Test Mode: 802.11ac(VHT40)



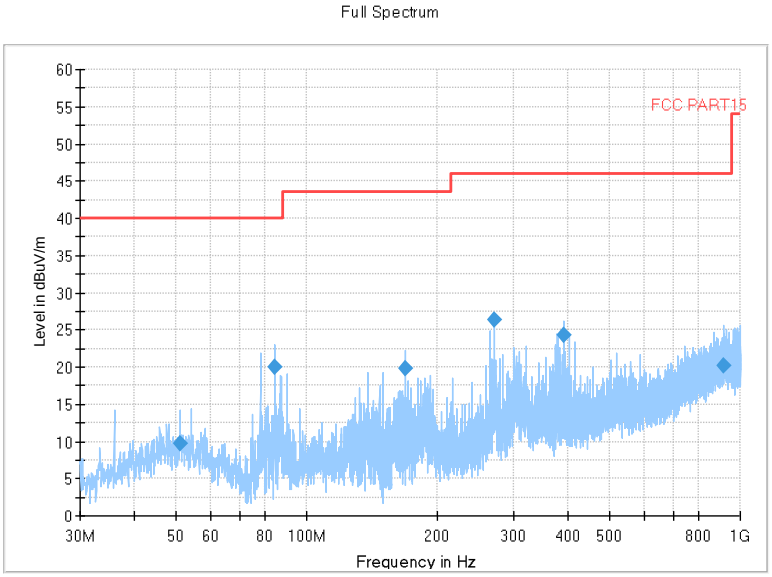

Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Test Mode: 802.11ac(VHT40)




Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Test Mode: 802.11ac(VHT40)

Carrier frequency (MHz): 5210

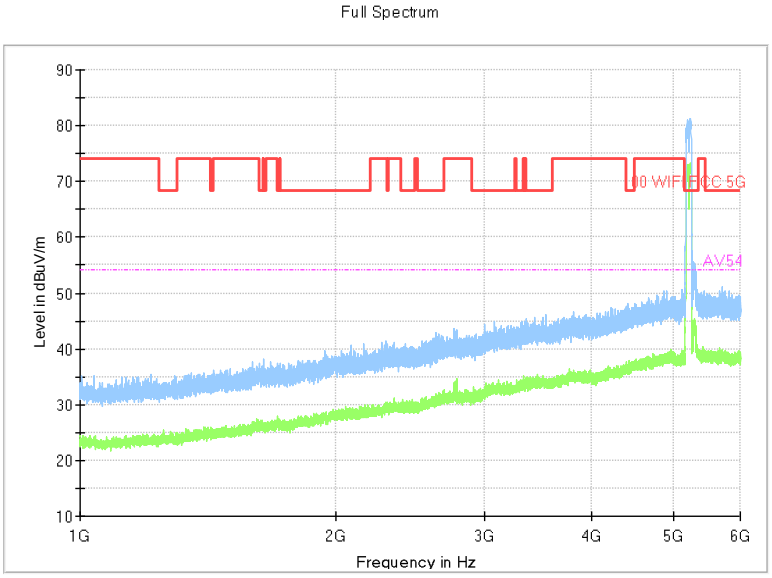
Channel No.:42




Frequency Range: 30MHz -1GHz

Detector: QP mode

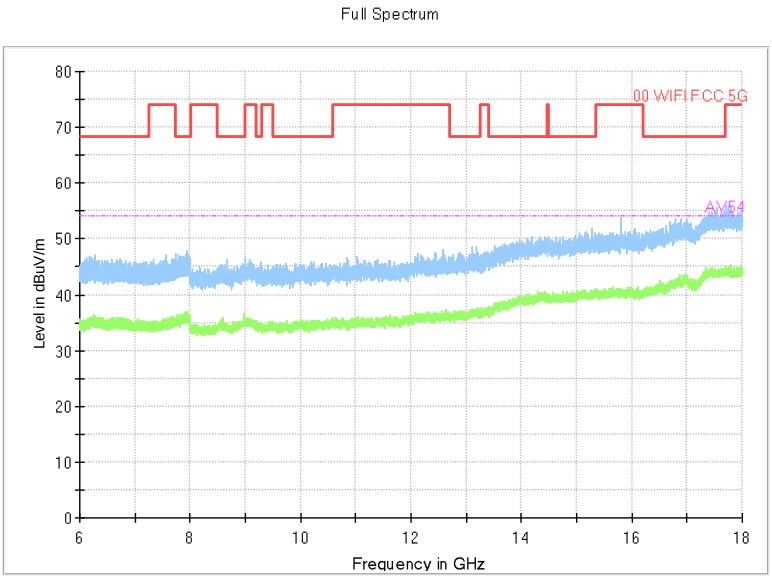
Test Mode: 802.11ac(VHT80)



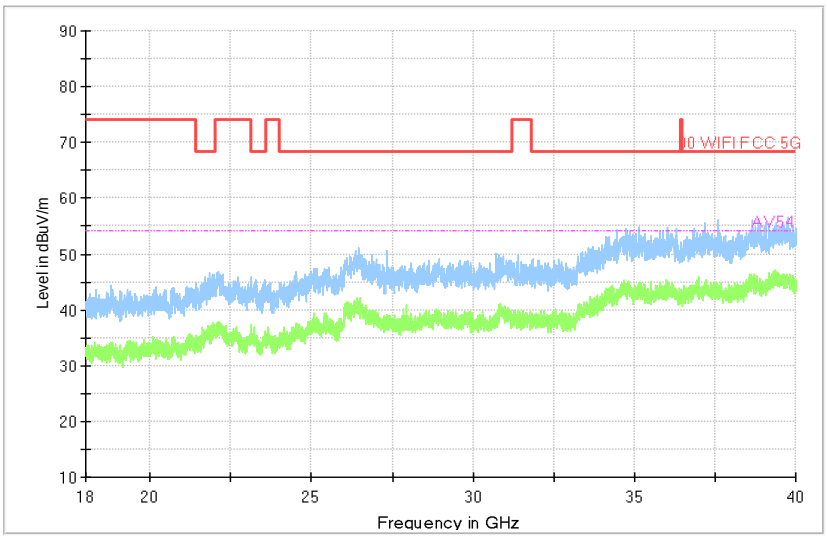

Frequency Range: 1GHz -6GHz

Detector: Av mode and PK mode

Test Mode: 802.11ac(VHT80)



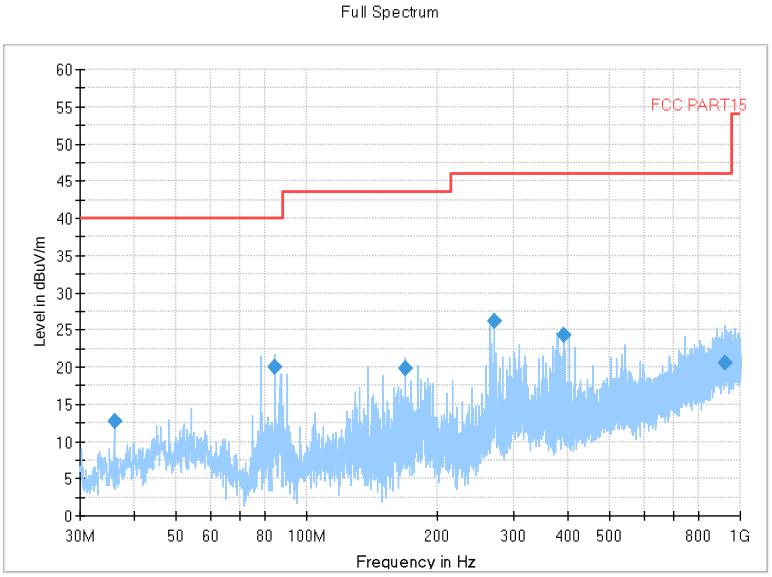

Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Test Mode: 802.11ac(VHT80)




Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Test Mode: 802.11ac(VHT80)

Carrier frequency (MHz): 5260

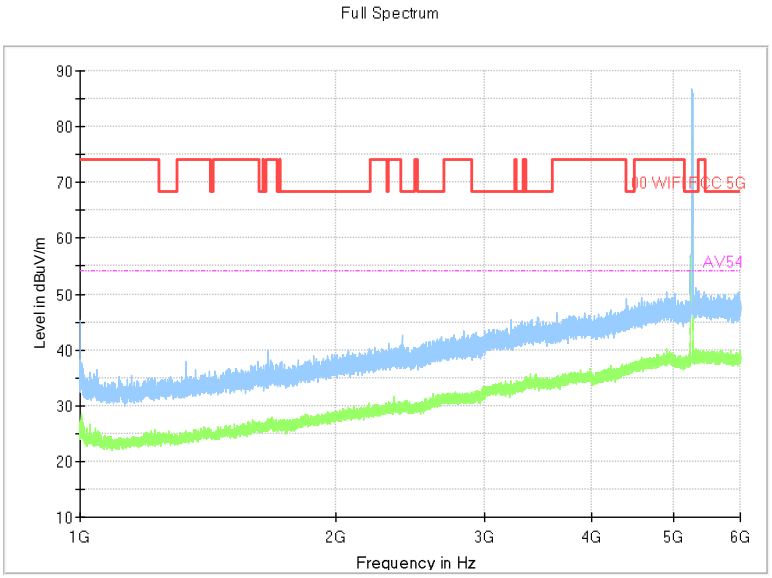
Channel No.:52




Frequency Range: 30MHz -1GHz

Detector: QP mode

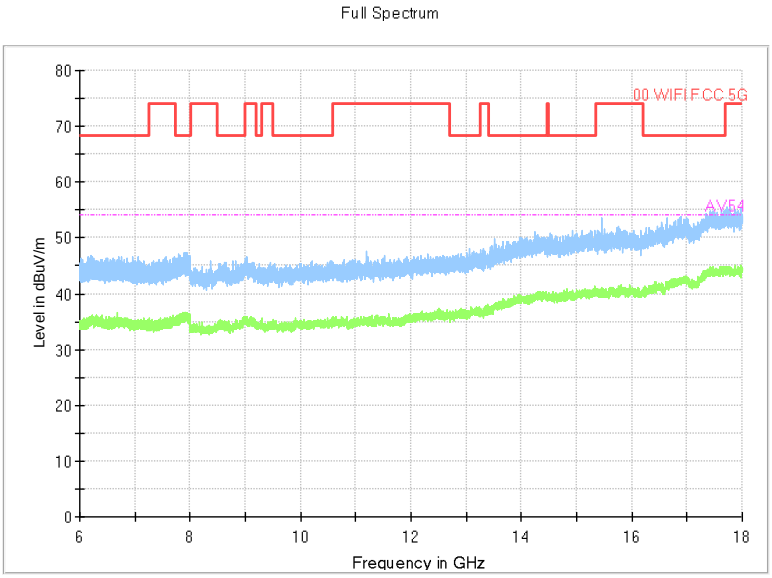
Modulation type: 802.11a



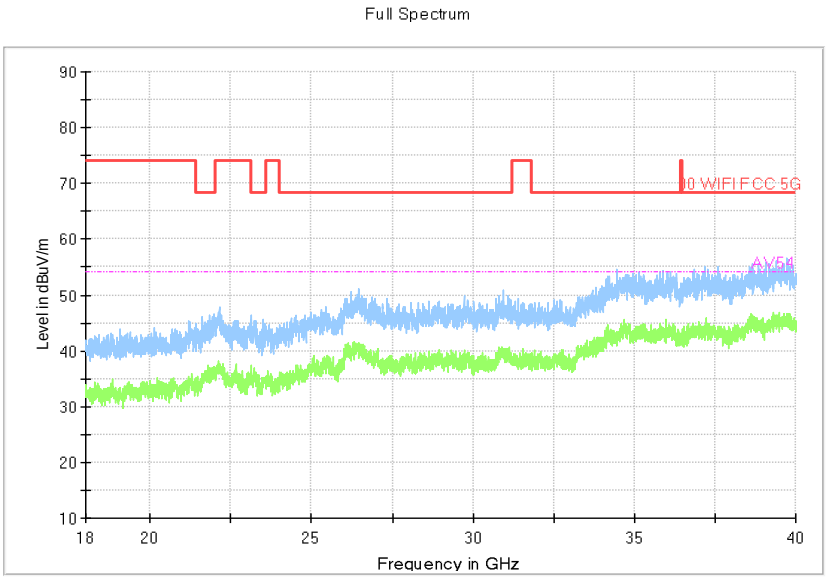

Frequency Range: 1GHz -6GHz

Detector: Av mode and PK mode

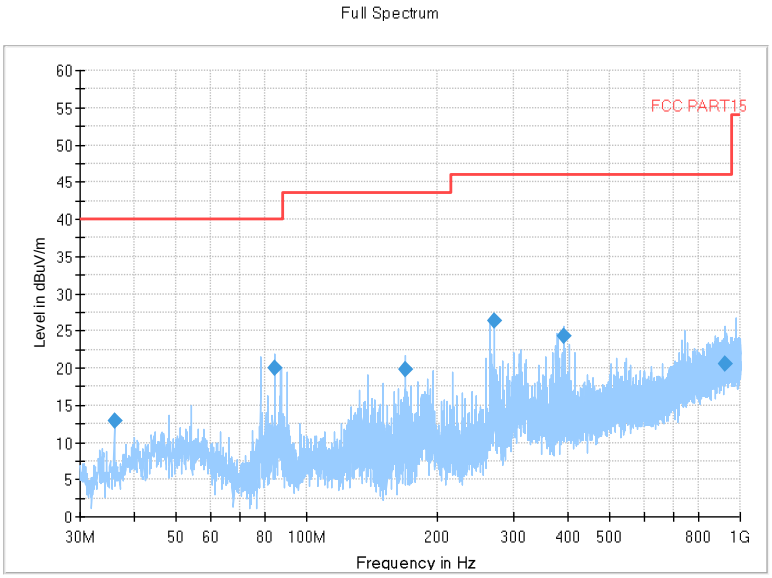
Modulation type: 802.11a



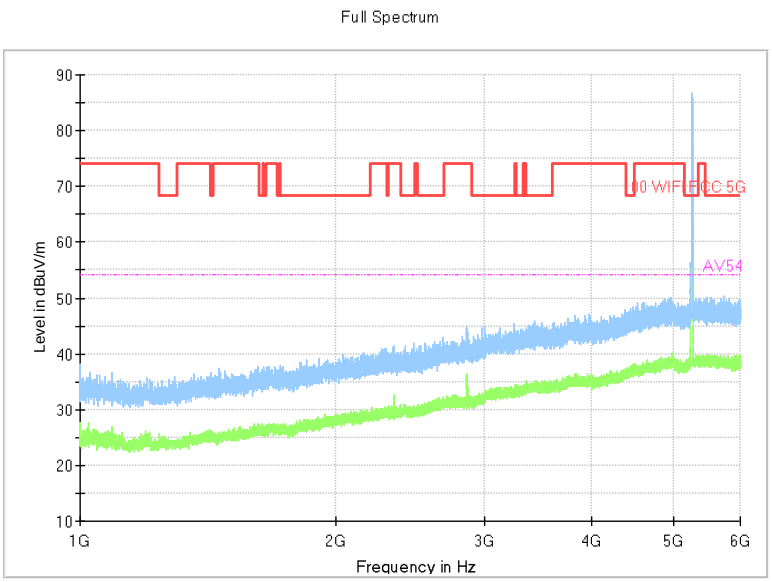

Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11a



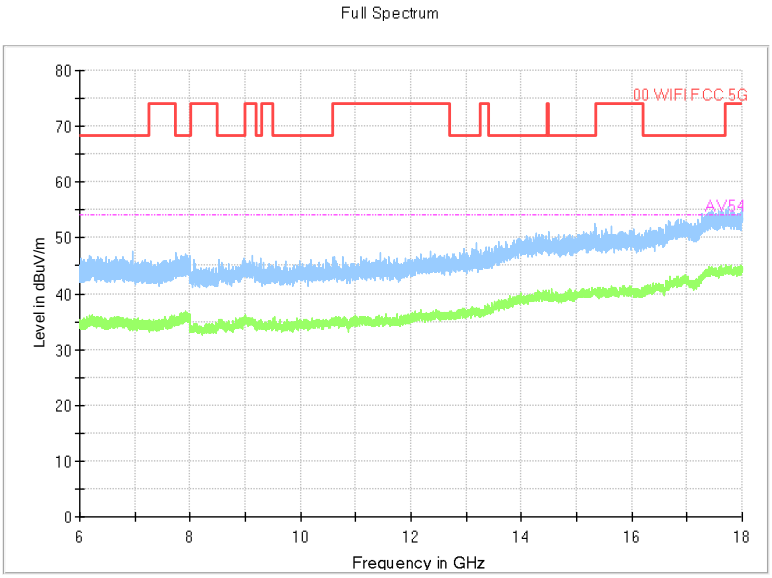

Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11a



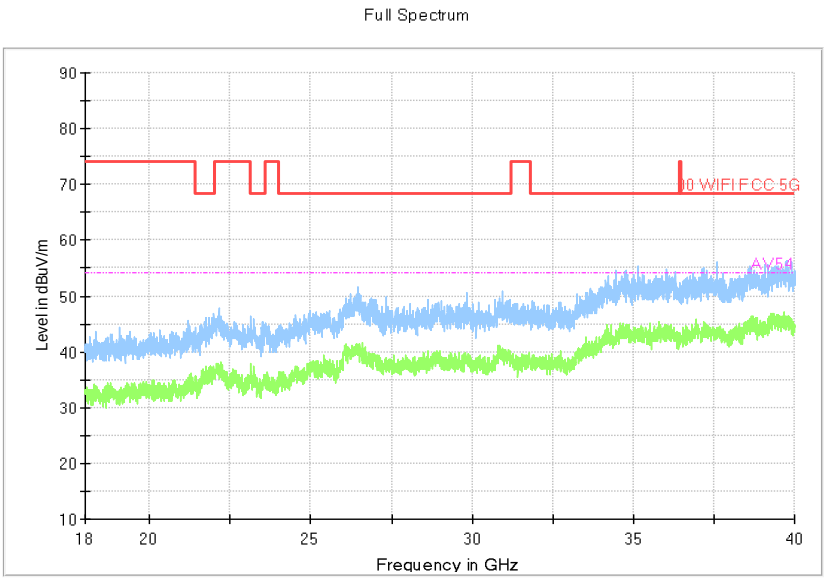

Frequency Range: 30MHz -1GHz
Detector: QP mode
Modulation type: 802.11n(HT20)



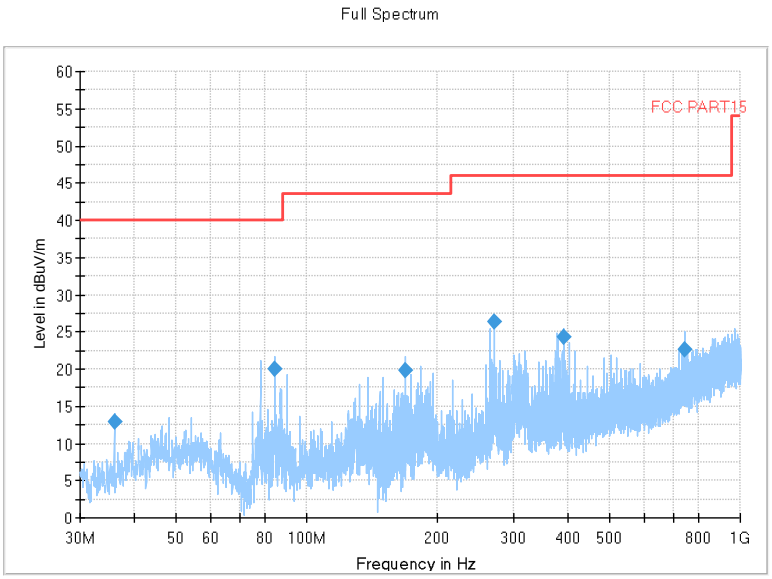

Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)




Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)



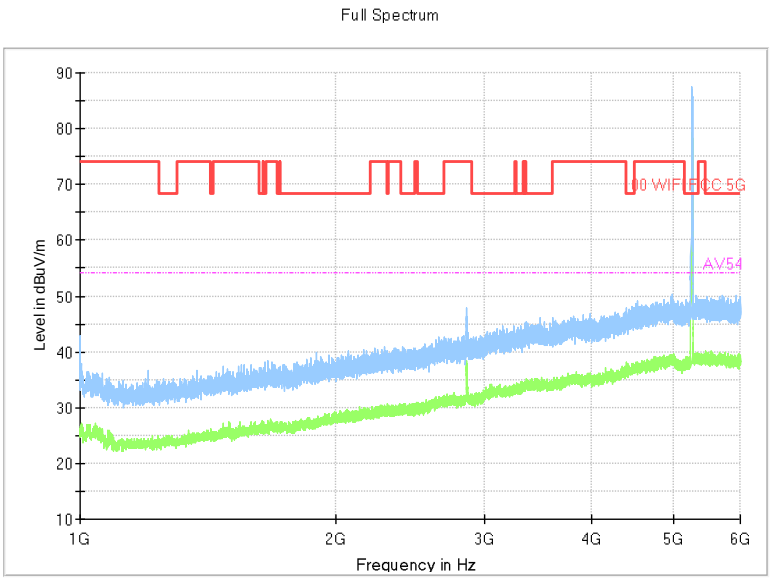

Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)




Frequency Range: 30MHz -1GHz

Detector: QP mode

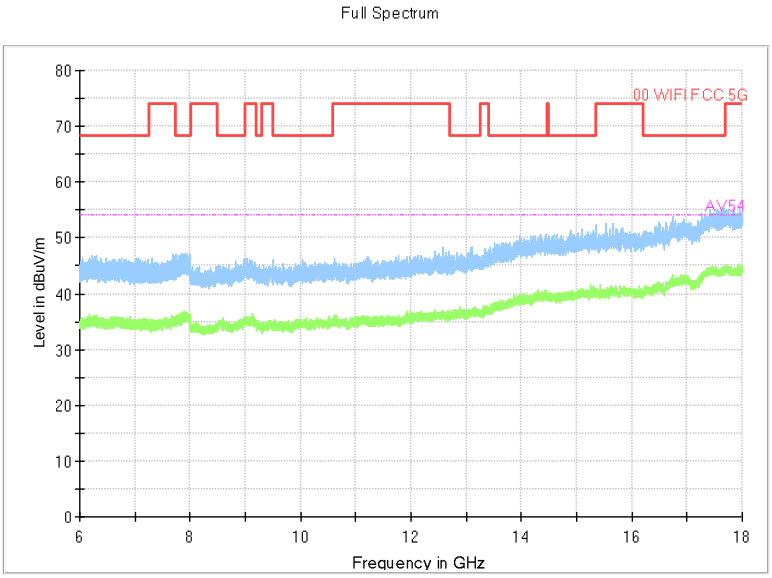
Test Mode: 802.11ac(VHT20)



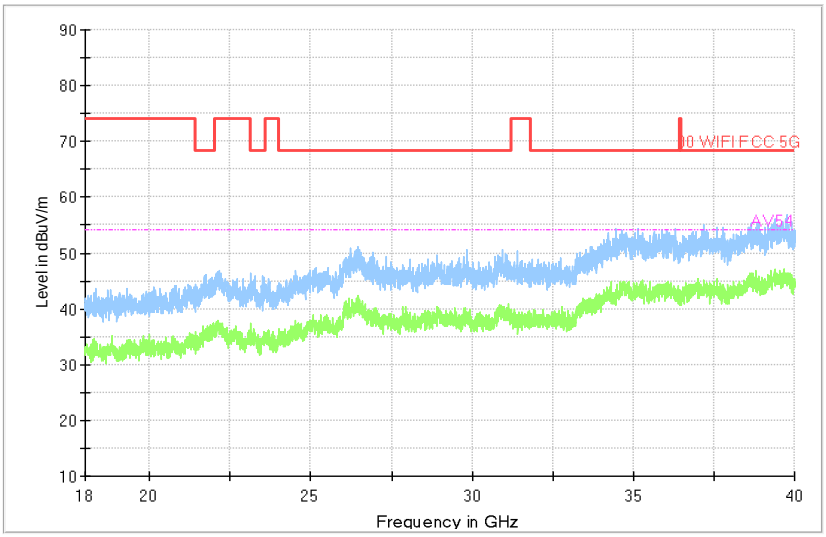

Frequency Range: 1GHz -6GHz

Detector: Av mode and PK mode

Test Mode: 802.11ac(VHT20)



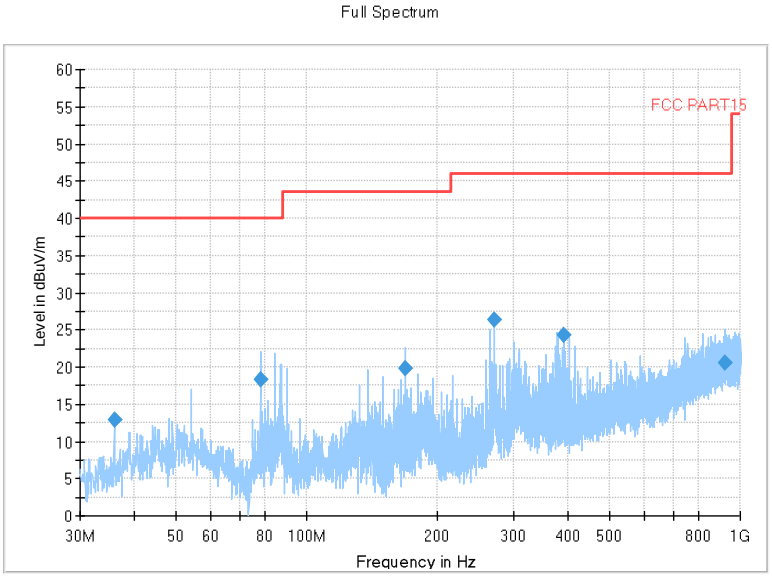

Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Test Mode: 802.11ac(VHT20)




Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Test Mode: 802.11ac(VHT20)

Carrier frequency (MHz): 5300

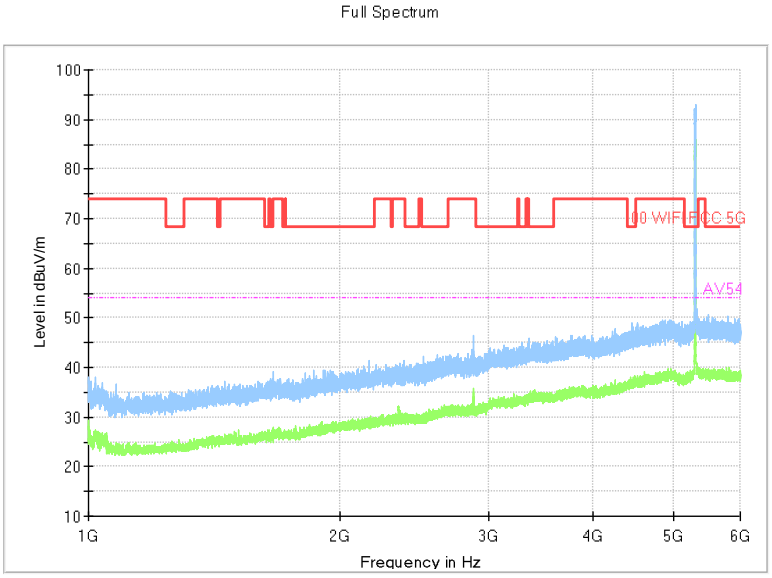
Channel No.:60




Frequency Range: 30MHz -1GHz

Detector: QP mode

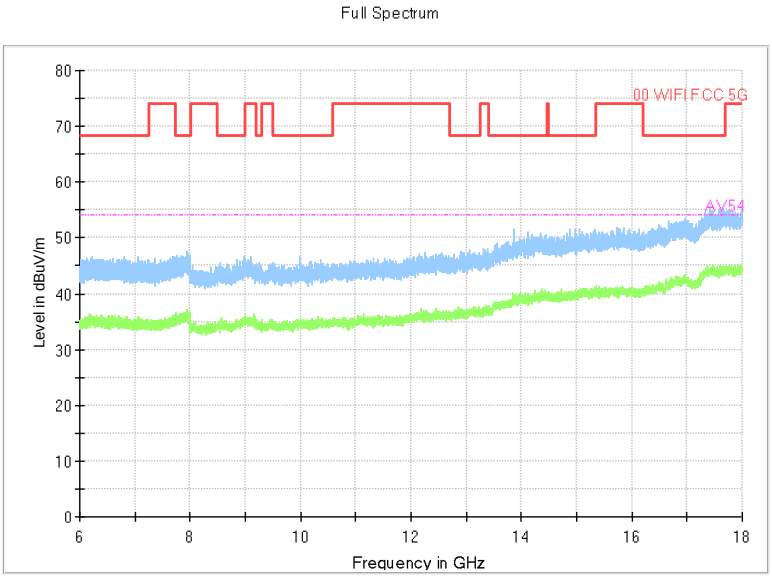
Modulation type: 802.11a



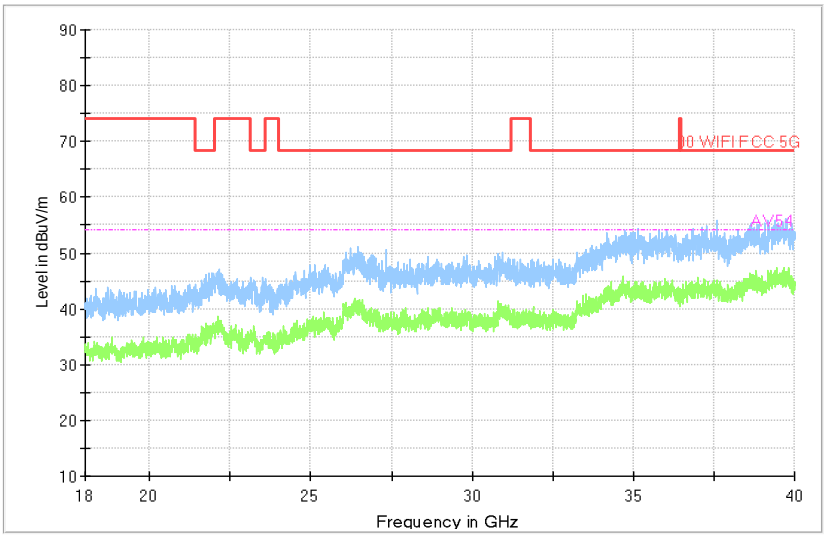

Frequency Range: 1GHz -6GHz

Detector: Av mode and PK mode

Modulation type: 802.11a




Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11a




Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11a