

# TEST REPORT

**Application No.:** GZCR2507001065AT  
**Applicant:** Geosolution i Goteborg AB  
**Address of Applicant:** Stora Avagen 21, 436 34 ASKIM, Sweden  
**Manufacturer:** Geosolution i Goteborg AB  
**Address of Manufacturer:** Stora Avagen 21, 436 34 ASKIM, Sweden  
**Factory:** Geosolution i Goteborg AB  
**Address of Factory:** Stora Avagen 21, 436 34 ASKIM, Sweden  
**Product Name:** Wi-Fi & Bluetooth Module  
**Model No.:** FCS866R  
**Trade Mark:**



**Standard(s) :** 47 CFR Part 15, Subpart E 15.407  
**Date of Receipt:** 2025-07-15  
**Date of Test:** 2025-07-16 to 2025-08-15  
**Date of Issue:** 2025-08-27

|                     |              |
|---------------------|--------------|
| <b>Test Result:</b> | <b>Pass*</b> |
|---------------------|--------------|

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



| Revision Record |                  |            |          |
|-----------------|------------------|------------|----------|
| Version         | Report No.       | Date       | Remark   |
| 01              | GZCR250700106505 | 2025-08-15 | Original |
|                 |                  |            |          |
|                 |                  |            |          |

|                         |  |                            |  |
|-------------------------|--|----------------------------|--|
| Authorized for issue by |  |                            |  |
| Tested By               |  | Key Liang                  |  |
|                         |  | Key Liang/Project Engineer |  |
| Approved By             |  | Vico Cui                   |  |
|                         |  | Vico Cui/Reviewer          |  |



## 2 Test Summary

| Radio Spectrum Matter Part                                  |                                     |                                                  |                                                              |        |
|-------------------------------------------------------------|-------------------------------------|--------------------------------------------------|--------------------------------------------------------------|--------|
| Item                                                        | Standard                            | Method                                           | Requirement                                                  | Result |
| Radiated Emissions<br>(Below 1GHz)                          | 47 CFR Part 15,<br>Subpart E 15.407 | ANSI C63.10 (2020)<br>Section 6.4,6.5            | 47 CFR Part 15, Subpart<br>C 15.209 & Subpart E<br>15.407(b) | Pass   |
| Radiated Emissions<br>(Above 1GHz)                          |                                     | ANSI C63.10 (2020)<br>Section 6.6                | 47 CFR Part 15, Subpart<br>C 15.209 & Subpart E<br>15.407(b) | Pass   |
| Radiated Emissions<br>which fall in the<br>restricted bands |                                     | ANSI C63.10 (2020)<br>Section 6.10.5 &<br>12.7.2 | 47 CFR Part 15, Subpart<br>C 15.209 & Subpart E<br>15.407(b) | Pass   |

**Note:**

E.U.T./EUT means Equipment Under Test.

Pass means the test result passed the test standard requirement, please find the detailed decision rule in the report relative section.

**Remark:**

This report is based on original modular (FCC ID: AJY2023FCS866R) C2PC change the modular antenna.

With following changes:

1.Replacing new Integral Antenna with different gain than the antenna previously authorized under the certification FCC ID: AJY2023FCS866R.

For verify the Antenna Requirement, Radiated Spurious Emissions Below 1GHz, Radiated Spurious Emissions Above 1GHz and Radiated Emissions which fall in the restricted bands were performed with new antenna.

Therefore, the new test data was kept in this report GZCR250700106505. For original data please refer to FCC ID: AJY2023FCS866R for more details.



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## 4 General Information

### 4.1 Details of E.U.T.

Power supply: DC 3.3V

Test voltage: AC 120V, 60Hz powered by Note Book Computer refer to section 4.2

Cable(s): N/A

Operation  
Frequency/Number of channels (20MHz):  
U-NII-1: 5180-5240MHz (4 Channels)  
U-NII-2A: 5260-5320MHz (4 Channels)  
U-NII-2C: 5500-5700MHz (11 Channels)  
U-NII-3: 5745-5825MHz (5 Channels)

Operation  
Frequency/Number of channels (40MHz):  
U-NII-1: 5190-5230MHz (2 Channels)  
U-NII-2A: 5270-5310MHz (2 Channels)  
U-NII-2C: 5510-5670MHz (5 Channels)  
U-NII-3: 5755-5795MHz (2 Channels)

Operation  
Frequency/Number of channels (80MHz):  
U-NII-1: 5210MHz (1 Channel)  
U-NII-2A: 5290MHz (1 Channels)  
U-NII-2C: 5530-5610MHz (2 Channels)  
U-NII-3: 5775MHz (1 Channel)

Modulation Type:  
802.11a: OFDM (BPSK, QPSK, 16QAM, 64QAM)  
802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM)  
802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM)  
802.11ax: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024-QAM)  
802.11a/n/ac/ax 20: 20MHz

Channel Spacing:  
802.11n/ac/ax 40: 40MHz  
802.11ac/ax 80: 80MHz

DFS Function: Slave without Radar detection

Antenna Type: Integral Antenna

Antenna Number: 1

Antenna Gain: 0.5 dBi(Declared by antenna specification)

Remark: The information in this section is provided by the applicant or manufacturer, SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

### 4.2 Description of Support Units

| Description        | Manufacturer | Model No.     | Serial No.  |
|--------------------|--------------|---------------|-------------|
| Mobile Phone       | SAMSUNG      | SM-G9810      | RFCN309Q9QF |
| Note Book Computer | LENOVO       | ThinkPad T490 | PF1D1MVJ    |



### 4.3 Measurement Uncertainty

| Test Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Measurement Uncertainty                                                                                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Radiated Emissions which fall in the restricted bands                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | $\pm 5.14\text{dB}$ (3m); $\pm 4.90\text{dB}$ (10m); $\pm 4.88\text{dB}$ (1GHz-6GHz); $\pm 5.06\text{dB}$ (6GHz-18GHz); $\pm 5.30\text{dB}$ (18GHz-40GHz) |
| Radiated Emissions (Below 1GHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | $\pm 5.14\text{dB}$ (3m); $\pm 4.90\text{dB}$ (10m)                                                                                                       |
| Radiated Emissions (Above 1GHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | $\pm 4.88\text{dB}$ (1GHz-6GHz); $\pm 5.06\text{dB}$ (6GHz-18GHz); $\pm 5.30\text{dB}$ (18GHz-40GHz)                                                      |
| <p>Remark:</p> <p>The <math>U_{\text{lab}}</math> (lab Uncertainty) is less than <math>U_{\text{CISPR}}</math> (CISPR Uncertainty) or <math>U_{\text{ETSI}}</math> (ETSI Uncertainty).</p> <p>Emission decision rule:</p> <ul style="list-style-type: none"> <li>– Compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit, marked as Pass in the report.</li> <li>– Non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit, marked as Fail in the report.</li> </ul> |                                                                                                                                                           |

### 4.4 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou Branch EMC Laboratory,  
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou,  
Guangdong, China 510663

Tel: +86 20 82155555

No tests were sub-contracted.



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## 4.5 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

### ● ACMA

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory can also perform testing for the Australian/New Zealand Regulatory Compliance Mark (RCM).

### ● SGS UK(Certificate No.: 32), SGS-TUV SAARLAND and SGS-FIMKO

Have approved SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory as a supplier of EMC TESTING SERVICES and SAFETY TESTING SERVICES.

### ● FCC Recognized Accredited Test Firm(Registration No.: 486818)

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory has been accredited and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Designation Number: CN5016, Test Firm Registration Number: 486818.

### ● ISED (Registration No.: 4620B, CAB identifier: CN0052)

SGS-CSTC Standards Technical Services Co., Ltd., has been registered by Innovation Science and Economic Development Canada for Wireless Device Testing laboratories to test to Canadian radio equipment requirements. Registration No. 4620B, CAB identifier: CN0052.

### ● VCCI (Registration No.: R-12460, C-12584, G-20107 and T-11179)

The 10m Semi-anechoic chamber, 966 Anechoic Chamber and Shielded Room of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-12460, C-12584, G-20107 and T-11179 respectively.

### ● CBTL (Lab Code: TL129)

SGS-CSTC Standards Technical Services Co., Ltd., E&E Laboratory has been assessed and fully comply with the requirements of ISO/IEC 17025:2017, the Basic Rules, IECEE 01 and Rules of procedure IECEE 02, and the relevant IECEE CB-Scheme Operational documents.

## 4.6 Deviation from Standards

None

## 4.7 Abnormalities from Standard Conditions

None



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## 5 Equipment List

| Radiated Emissions (Below 1GHz)       |                             |               |               |            |              |
|---------------------------------------|-----------------------------|---------------|---------------|------------|--------------|
| Equipment                             | Manufacturer                | Model No.     | Inventory No. | Cal Date   | Cal Due Date |
| 966 Anechoic Chamber                  | Shenzhen C.R.T              | CRTSGSSAC966  | EMC2230       | 2025-03-22 | 2028-03-21   |
| EMI Test Receiver(1Hz-8GHz)           | Rohde & Schwarz             | ESW8          | EMC2229       | 2024-12-03 | 2025-12-02   |
| Amplifier(9k-1000MHz)                 | SONOMA                      | 310           | EMC2237       | 2024-12-03 | 2025-12-02   |
| Trilog Broadband Antenna (25MHz-2GHz) | Schwarzbeck Mess-Elektronik | VULB 9168     | EMC2238       | 2025-03-24 | 2027-03-23   |
| Coaxial Cable                         | Mirco-COAX UTIFLEX ve       | LA2-C125-8000 | EMC2239       | 2024-12-04 | 2026-12-03   |
| Test Software E3                      | Audix                       | Ver.6.191211  | GZE100-81     | N/A        | N/A          |
| Active Loop Antenna-RED               | ETS-Lindgren                | 6502          | EMC2190       | 2024-04-08 | 2026-04-07   |
| EMI Test Receiver (1Hz-8GHz)          | Rohde & Schwarz             | ESW8          | EMC2229       | 2024-12-03 | 2025-12-02   |
| Test Software E3                      | Audix                       | Ver.6.120110a | GZE100-61     | N/A        | N/A          |
| 966 Anechoic Chamber                  | Shenzhen C.R.T              | CRTSGSSAC966  | EMC2230       | 2025-03-22 | 2028-03-21   |
| Coaxial Cable                         | Mirco-COAX UTIFLEX ve       | LA2-C125-8000 | EMC2239       | 2024-12-04 | 2026-12-03   |

| Radiated Emissions (Above 1GHz)             |                             |               |               |            |              |
|---------------------------------------------|-----------------------------|---------------|---------------|------------|--------------|
| Equipment                                   | Manufacturer                | Model No.     | Inventory No. | Cal Date   | Cal Due Date |
| 1-26.5 GHz Pre-Amplifier                    | Agilent                     | 8449B         | EMC0521       | 2024-10-14 | 2025-10-13   |
| EMI Test Receiver (10Hz-26.5GHz)            | Rohde & Schwarz             | ESIB26        | EMC0522       | 2024-09-02 | 2025-09-01   |
| Chamber cable (Above 1GHz)                  | Scoflex                     | KMKM-8.0m     | EMC0545       | 2024-08-19 | 2026-08-18   |
| Horn Antenna (1-18GHz)                      | SCHWARZBECK MESS-ELEKTRONIK | BBHA 9120D    | EMC2026       | 2025-05-13 | 2027-05-12   |
| Horn Antenna (14-40GHz)                     | SCHWARZBECK                 | BBHA 9170     | EMC2041       | 2023-06-18 | 2026-06-17   |
| EXA Signal Analyzer (10Hz-44GHz)            | Keysight                    | N9010A        | EMC2138       | 2024-08-19 | 2025-08-18   |
| 966 Anechoic Chamber                        | C.R.T                       | 9m x 6m x 6m  | EMC2142       | 2023-12-20 | 2026-12-19   |
| Notch Filter (5150-5880)                    | Mico-Tronics                | BRM50716      | EMC2168       | 2025-07-17 | 2026-07-16   |
| Microwave Broadband Preamplifier (18-40GHz) | SCHWARZBECK                 | BBV 9721      | EMC2172       | 2024-08-19 | 2025-08-18   |
| Test Software E3                            | Audix                       | Ver.6.120110a | GZE100-61     | N/A        | N/A          |



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# SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

EMC-TRF-01 Rev 2.0

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| Radiated Emissions which fall in the restricted bands |                             |               |               |            |              |
|-------------------------------------------------------|-----------------------------|---------------|---------------|------------|--------------|
| Equipment                                             | Manufacturer                | Model No.     | Inventory No. | Cal Date   | Cal Due Date |
| 1-26.5 GHz Pre-Amplifier                              | Agilent                     | 8449B         | EMC0521       | 2025-08-11 | 2026-08-10   |
| EMI Test Receiver (10Hz-26.5GHz)                      | Rohde & Schwarz             | ESIB26        | EMC0522       | 2025-08-11 | 2026-08-10   |
| Chamber cable (Above 1GHz)                            | Scoflex                     | KMKM-8.0m     | EMC0545       | 2024-08-19 | 2026-08-18   |
| Horn Antenna (1-18GHz)                                | SCHWARZBECK MESS-ELEKTRONIK | BBHA 9120D    | EMC2026       | 2025-05-13 | 2027-05-12   |
| Horn Antenna (14-40GHz)                               | SCHWARZBECK                 | BBHA 9170     | EMC2041       | 2023-06-18 | 2026-06-17   |
| EXA Signal Analyzer (10Hz-44GHz)                      | Keysight                    | N9010A        | EMC2138       | 2025-08-12 | 2026-08-11   |
| MXE EMI Receiver (10Hz-8.4GHz)                        | Keysight                    | N9038A        | EMC2139       | 2025-08-11 | 2026-08-10   |
| 966 Anechoic Chamber                                  | C.R.T                       | 9m x 6m x 6m  | EMC2142       | 2023-12-23 | 2026-12-22   |
| Test Software E3                                      | Audix                       | Ver.6.120110a | GZE100-61     | N/A        | N/A          |

| General used equipment |              |          |              |            |              |
|------------------------|--------------|----------|--------------|------------|--------------|
| Equipment              | Manufacturer | Model No | Inventory No | Cal Date   | Cal Due Date |
| DMM                    | Fluke        | 73       | EMC0006      | 2025-06-03 | 2026-06-02   |



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## 6 Radio Spectrum Matter Test Results

### 6.1 Radiated Emissions (Below 1GHz)

Test Requirement 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)

Test Method: ANSI C63.10 (2020) Section 6.4,6.5

Test Engineer: Jarry Li

Limit:

| Frequency (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                             |
| 960-1000        | 500                              | 3                             |

#### 6.1.1 E.U.T. Operation

Operating Environment:

Temperature: 22.5 °C

Humidity: 59.4 % RH

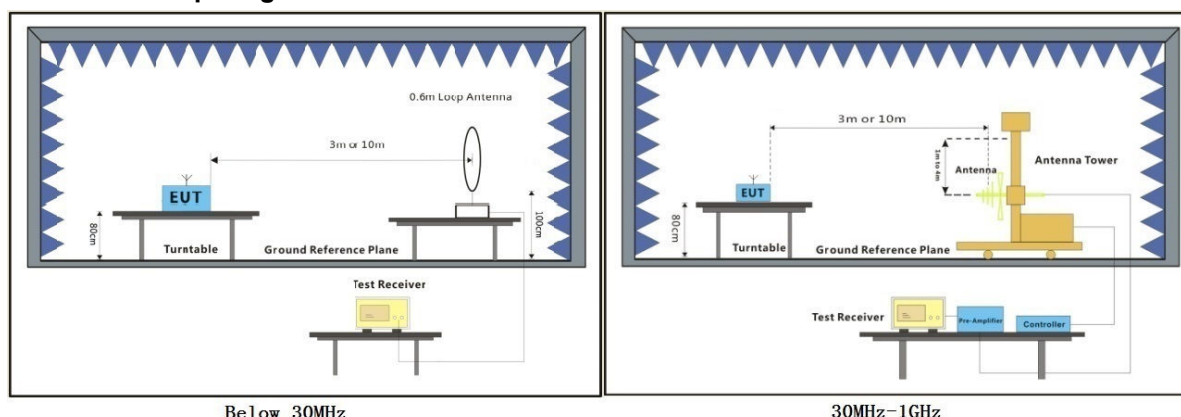
Atmospheric Pressure: 1006 mbar

#### 6.1.2 Test Mode Description

Pre-scan / Mode  
Final test Code Description

Final test 08 Normal operating\_Keep the EUT communication with the companion device.

#### 6.1.3 Test Setup Diagram



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## 6.1.4 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna 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 (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) 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 quasi-peak method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- i. Repeat above procedures until all frequencies measured was complete.

### Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. For emission below 1GHz, through the pre-scan found the worst case is the lowest channel of 802.11a. Only the worst case is recorded in the report.
3. Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
4. The disturbance below 1GHz was very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.



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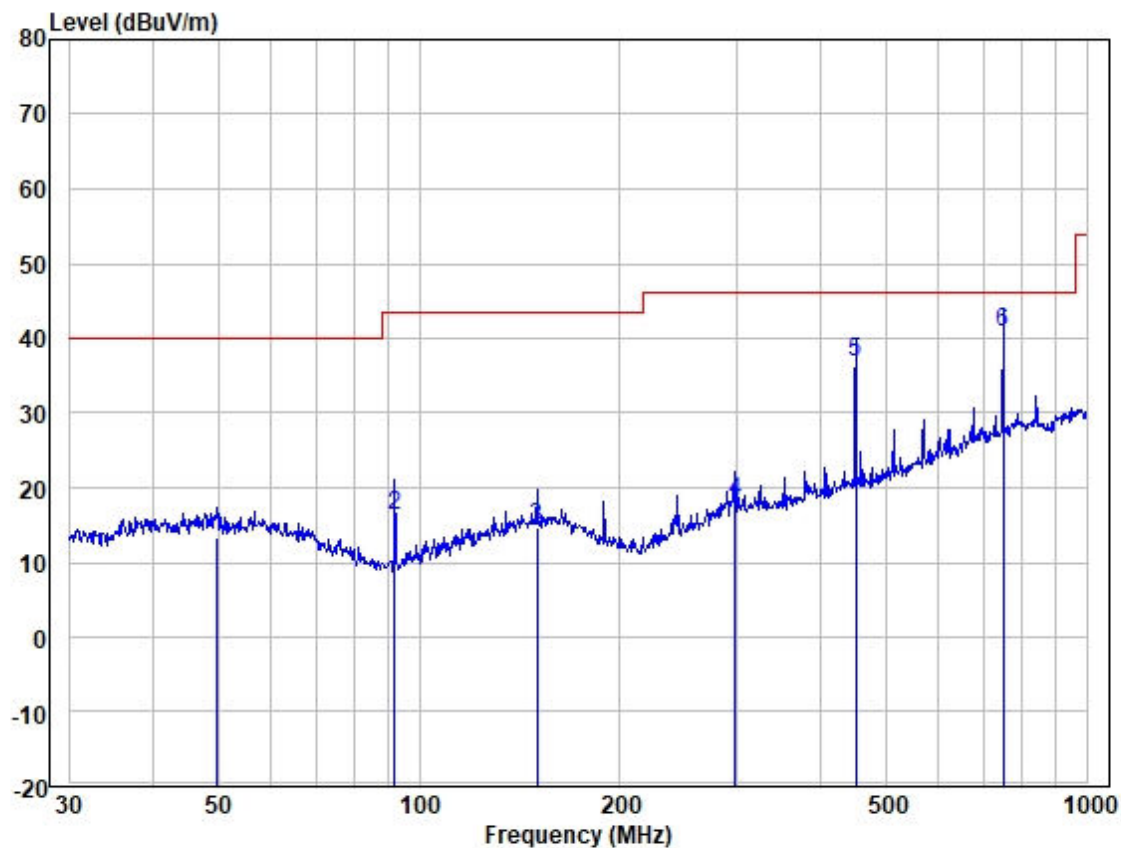
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Test Mode: 08; Polarity: Horizontal

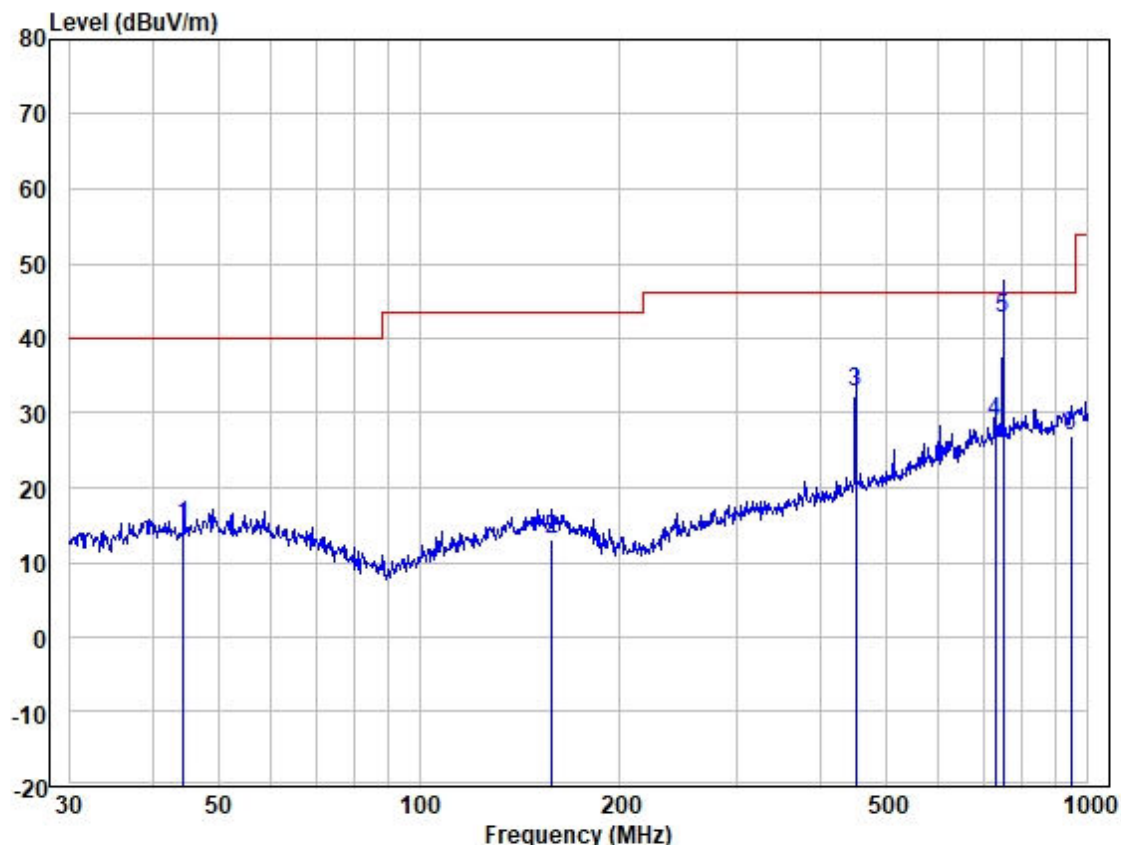


Site : 966 Chamber  
Job :  
Model :  
Power :  
Test Mode :

|   | Freq    | Read Level | Antenna Factor | Cable Loss | Preamplifier Factor | Measured Level | Limit Line | Over Limit | Pol/Phase  | Remark |
|---|---------|------------|----------------|------------|---------------------|----------------|------------|------------|------------|--------|
|   | MHz     | dBuV       | dB/m           | dB         | dB                  | dBuV/m         | dBuV/m     | dB         |            |        |
| 1 | 49.881  | 25.96      | 19.65          | 0.39       | 32.79               | 13.21          | 40.00      | -26.79     | HORIZONTAL | QP     |
| 2 | 91.816  | 34.56      | 13.83          | 0.52       | 32.71               | 16.20          | 43.52      | -27.32     | HORIZONTAL | QP     |
| 3 | 150.011 | 27.62      | 19.15          | 0.67       | 32.76               | 14.68          | 43.52      | -28.84     | HORIZONTAL | QP     |
| 4 | 297.224 | 30.75      | 19.20          | 0.98       | 32.87               | 18.06          | 46.02      | -27.96     | HORIZONTAL | QP     |
| 5 | 451.135 | 45.80      | 22.82          | 1.23       | 32.93               | 36.92          | 46.02      | -9.10      | HORIZONTAL | QP     |
| 6 | 750.108 | 43.11      | 27.77          | 1.60       | 31.70               | 40.78          | 46.02      | -5.24      | HORIZONTAL | QP     |



Test Mode: 08; Polarity: Vertical



Site : 966 Chamber  
Job :  
Model :  
Power :  
Test Mode :

|   | Freq    | Read Level | Antenna Factor | Cable Loss | Preamplifier Factor | Measured Level | Limit Line | Over Limit | Pol/Phase | Remark |
|---|---------|------------|----------------|------------|---------------------|----------------|------------|------------|-----------|--------|
|   | MHz     | dBuV       | dB/m           | dB         | dB                  | dBuV/m         | dBuV/m     | dB         |           |        |
| 1 | 44.431  | 27.78      | 19.59          | 0.37       | 32.78               | 14.96          | 40.00      | -25.04     | VERTICAL  | QP     |
| 2 | 158.112 | 26.00      | 19.17          | 0.70       | 32.77               | 13.10          | 43.52      | -30.42     | VERTICAL  | QP     |
| 3 | 451.135 | 41.75      | 22.82          | 1.23       | 32.93               | 32.87          | 46.02      | -13.15     | VERTICAL  | QP     |
| 4 | 729.358 | 31.67      | 27.41          | 1.56       | 31.75               | 28.89          | 46.02      | -17.13     | VERTICAL  | QP     |
| 5 | 750.108 | 45.05      | 27.77          | 1.60       | 31.70               | 42.72          | 46.02      | -3.30      | VERTICAL  | QP     |
| 6 | 945.440 | 25.90      | 29.91          | 1.79       | 30.78               | 26.82          | 46.02      | -19.20     | VERTICAL  | QP     |



## 6.2 Radiated Emissions (Above 1GHz)

Test Requirement 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)

Test Method: ANSI C63.10 (2020) Section 6.6

Test Engineer: Lin Liao

Limit:

| Frequency(MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Field strength(microvolts/meter) | Measurement distance(meters) |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|------------------------------|
| Above 1GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 500                              | 3                            |
| <p>*(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.</p> <p>(2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.</p> <p>(3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.</p> <p>(4) For transmitters operating in the 5.725-5.85 GHz band:</p> <p>(i) 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.</p> <p>Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.</p> |                                  |                              |

### 6.2.1 E.U.T. Operation

Operating Environment:

Temperature: 25.2 °C

Humidity: 56.8 % RH

Atmospheric Pressure: 1006 mbar

### 6.2.2 Test Mode Description

| Pre-scan /<br>Final test | Mode<br>Code | Description                                                                                                                                                                                                                                                                                                                                         |
|--------------------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Final test               | 04           | TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.  |
| Final test               | 05           | TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report. |
| Final test               | 06           | TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with                                                                                                                                                                                                                                                                             |



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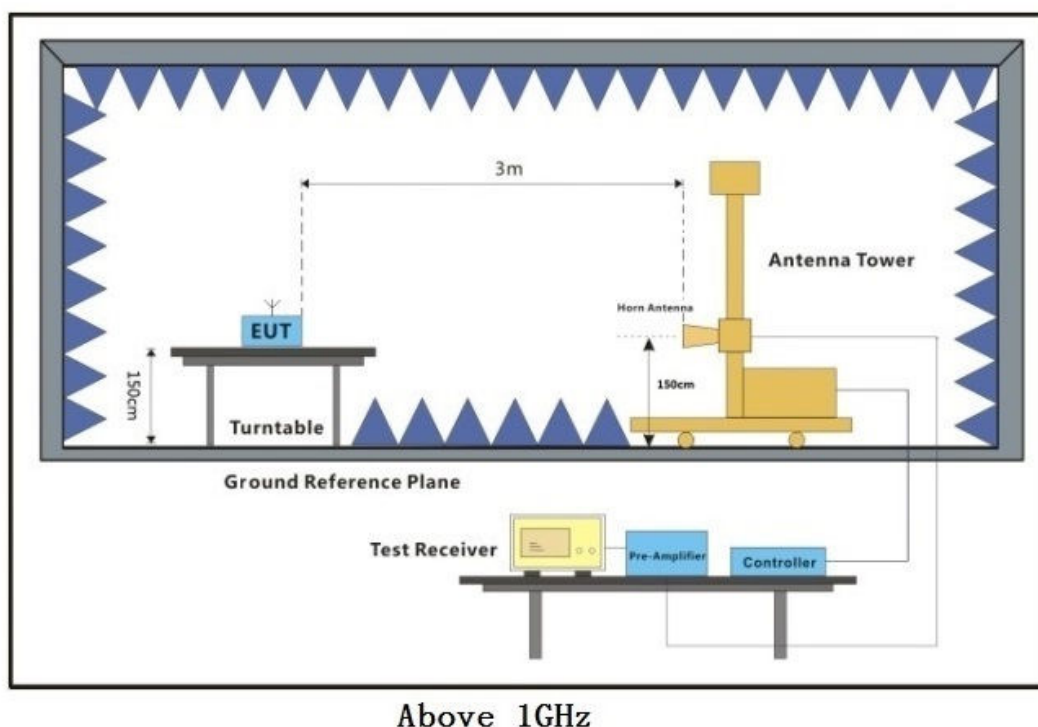
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all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.

TX mode (U-NII-3) \_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.

Final test 07

### 6.2.3 Test Setup Diagram



## 6.2.4 Measurement Procedure and Data

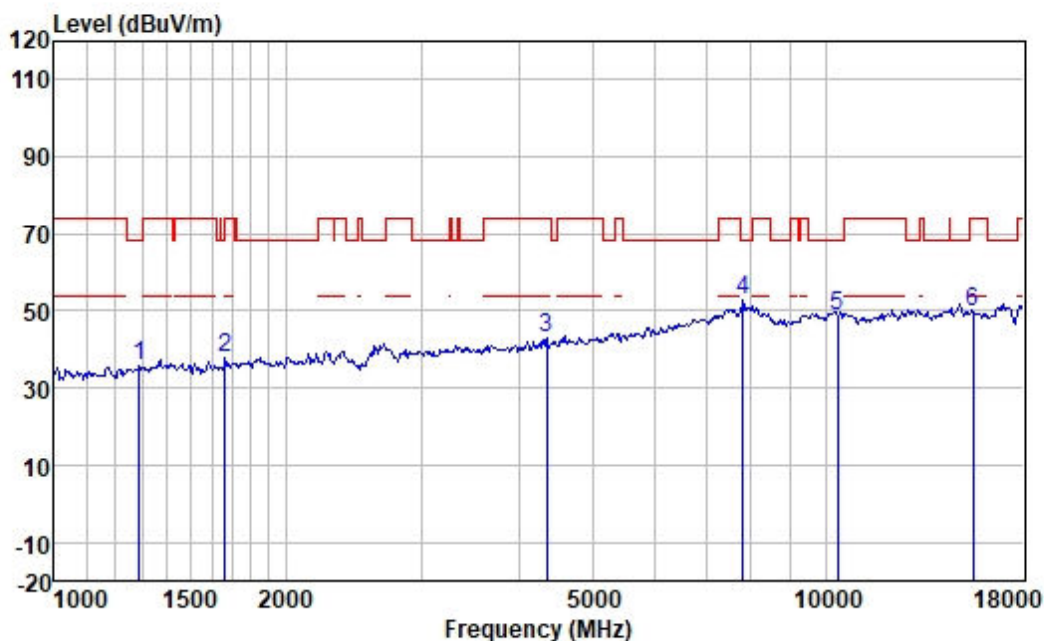
- a. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna 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 (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) 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 or average method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- i. Repeat above procedures until all frequencies measured was complete.

Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. Scan from 18GHz to 40GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
3. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.
4. The disturbance above 18GHz were very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.
5. For devices with multiple operating modes, measurements on the middle channel is used to determine the worst-case mode(s). Only the worst case mode with the highest output power and the mode with the highest output power spectral density for each modulation family (e.g., OFDM and direct sequence spread spectrum) is recorded in the test report.
6. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for Peak detection (PK) and Average detection (AV) at frequency above 1GHz.
7. For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is  $\geq 1/T$  (Duty cycle  $< 98\%$ ) or 10Hz (Duty cycle  $\geq 98\%$ ) for Average detection (AV) at frequency above 1GHz.



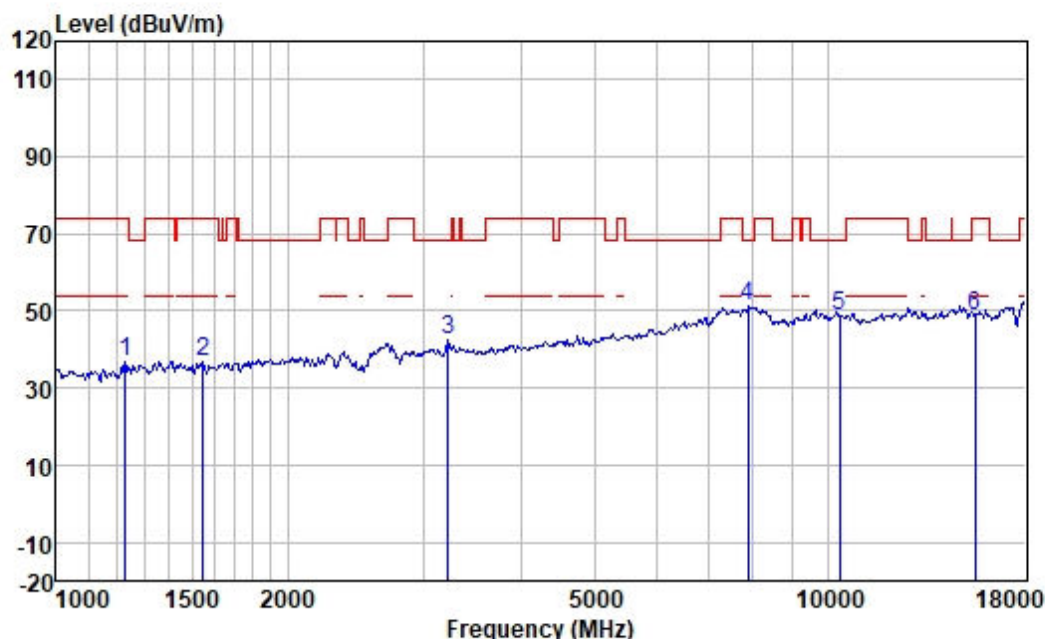
Test Mode: 04; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



|   |           | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   |           |        |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|-----------|--------|
|   | Freq      | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  | Pol/Phase | Remark |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |           |        |
| 1 | 1289.627  | 46.06       | 25.56  | 2.58  | 38.60  | 35.60  | 68.20  | -32.60 | VERTICAL  | peak   |
| 2 | 1663.137  | 46.88       | 26.10  | 2.81  | 38.06  | 37.73  | 74.00  | -36.27 | VERTICAL  | peak   |
| 3 | 4354.454  | 45.01       | 30.72  | 4.60  | 37.46  | 42.87  | 74.00  | -31.13 | VERTICAL  | peak   |
| 4 | 7807.262  | 46.89       | 37.06  | 6.15  | 37.20  | 52.90  | 68.20  | -15.30 | VERTICAL  | peak   |
| 5 | 10360.000 | 44.10       | 39.93  | 7.25  | 42.35  | 48.93  | 68.20  | -19.27 | VERTICAL  | peak   |
| 6 | 15540.000 | 44.89       | 39.62  | 9.26  | 44.07  | 49.70  | 74.00  | -24.30 | VERTICAL  | peak   |



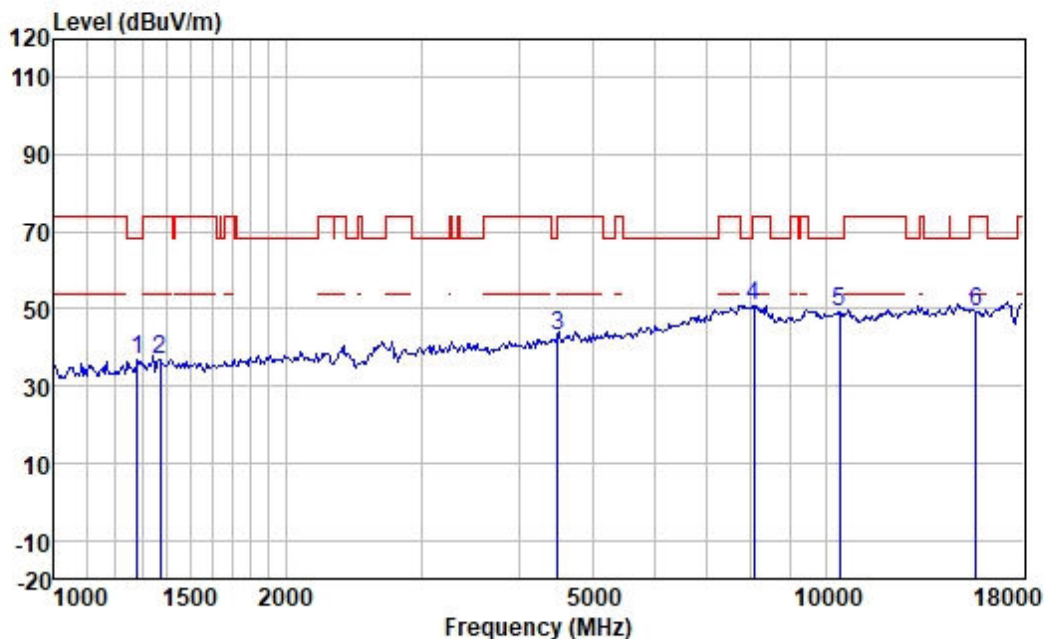
Test Mode: 04; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



|   |           | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   |            |        |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|------------|--------|
|   | Freq      | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  | Pol/Phase  | Remark |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |            |        |
| 1 | 1231.345  | 47.61       | 25.29  | 2.48  | 38.64  | 36.74  | 74.00  | -37.26 | HORIZONTAL | peak   |
| 2 | 1551.677  | 46.44       | 25.96  | 2.73  | 38.23  | 36.90  | 74.00  | -37.10 | HORIZONTAL | peak   |
| 3 | 3223.928  | 47.33       | 28.82  | 3.94  | 37.58  | 42.51  | 68.20  | -25.69 | HORIZONTAL | peak   |
| 4 | 7898.049  | 45.25       | 37.16  | 6.18  | 37.20  | 51.39  | 68.20  | -16.81 | HORIZONTAL | peak   |
| 5 | 10360.000 | 43.70       | 39.93  | 7.25  | 42.35  | 48.53  | 68.20  | -19.67 | HORIZONTAL | peak   |
| 6 | 15540.000 | 44.13       | 39.62  | 9.26  | 44.07  | 48.94  | 74.00  | -25.06 | HORIZONTAL | peak   |



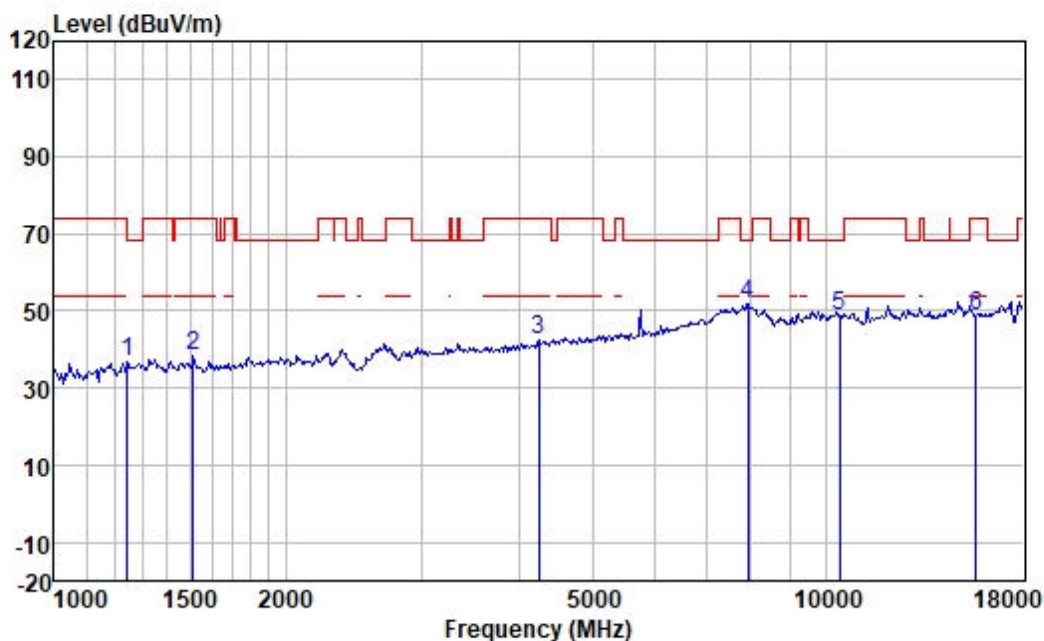
Test Mode: 04; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



|   | Freq      | ReadAntenna | Cable  | Preamp |        | Limit  | Over   |        |           |        |
|---|-----------|-------------|--------|--------|--------|--------|--------|--------|-----------|--------|
|   |           | Level       | Factor | Loss   | Factor | Level  | Line   | Limit  | Pol/Phase | Remark |
|   | MHz       | dBuV        | dB/m   | dB     | dB     | dBuV/m | dBuV/m | dB     |           |        |
| 1 | 1282.193  | 47.51       | 25.54  | 2.57   | 38.60  | 37.02  | 68.20  | -31.18 | VERTICAL  | peak   |
| 2 | 1374.295  | 47.11       | 25.76  | 2.64   | 38.51  | 37.00  | 74.00  | -37.00 | VERTICAL  | peak   |
| 3 | 4495.125  | 44.96       | 30.91  | 4.62   | 37.44  | 43.05  | 68.20  | -25.15 | VERTICAL  | peak   |
| 4 | 8082.804  | 44.99       | 37.17  | 6.24   | 37.39  | 51.01  | 74.00  | -22.99 | VERTICAL  | peak   |
| 5 | 10440.000 | 44.25       | 40.12  | 7.26   | 42.40  | 49.23  | 68.20  | -18.97 | VERTICAL  | peak   |
| 6 | 15660.000 | 44.22       | 39.28  | 9.34   | 43.73  | 49.11  | 74.00  | -24.89 | VERTICAL  | peak   |



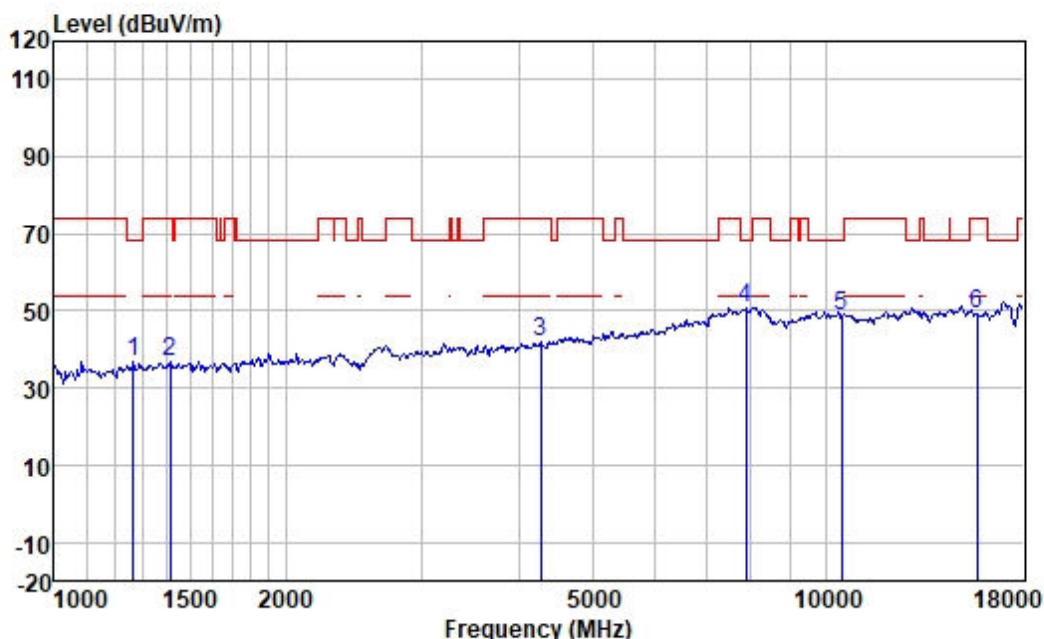
Test Mode: 04; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



|   | Freq      | ReadAntenna | Cable | Preamp |       | Limit  | Over   |           |                 |
|---|-----------|-------------|-------|--------|-------|--------|--------|-----------|-----------------|
|   | Level     | Factor      | Loss  | Factor | Level | Line   | Limit  | Pol/Phase | Remark          |
|   | MHz       | dBuV        | dB/m  | dB     | dB    | dBuV/m | dBuV/m | dB        |                 |
| 1 | 1245.663  | 47.76       | 25.38 | 2.51   | 38.64 | 37.01  | 68.20  | -31.19    | HORIZONTAL peak |
| 2 | 1516.210  | 47.92       | 25.92 | 2.71   | 38.30 | 38.25  | 74.00  | -35.75    | HORIZONTAL peak |
| 3 | 4254.921  | 44.92       | 30.49 | 4.57   | 37.47 | 42.51  | 74.00  | -31.49    | HORIZONTAL peak |
| 4 | 7943.838  | 45.60       | 37.19 | 6.19   | 37.20 | 51.78  | 68.20  | -16.42    | HORIZONTAL peak |
| 5 | 10440.000 | 43.52       | 40.12 | 7.26   | 42.40 | 48.50  | 68.20  | -19.70    | HORIZONTAL peak |
| 6 | 15660.000 | 44.01       | 39.28 | 9.34   | 43.73 | 48.90  | 74.00  | -25.10    | HORIZONTAL peak |



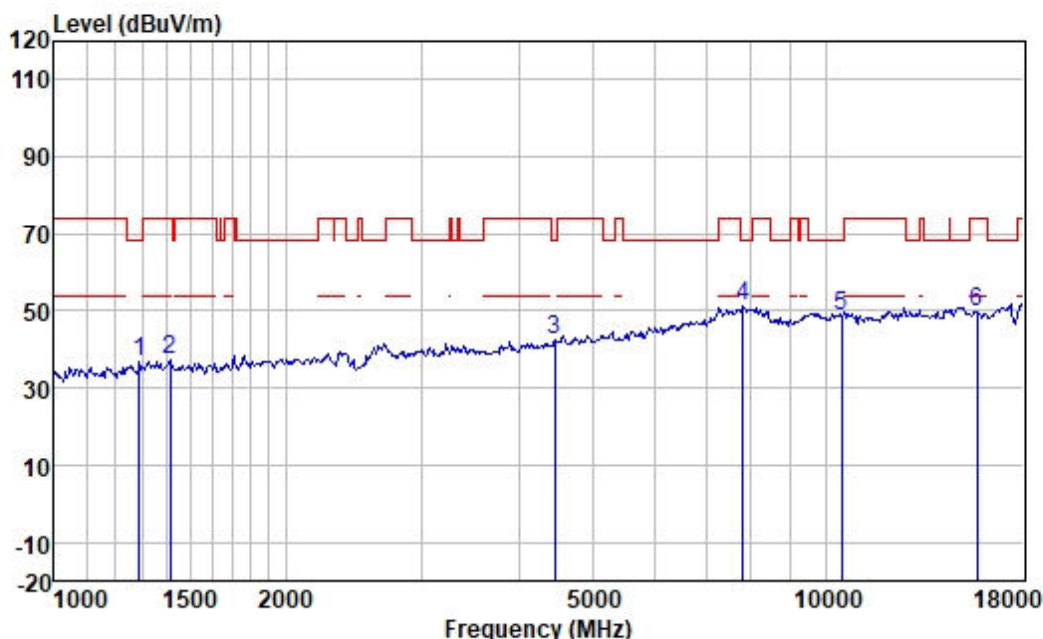
Test Mode: 04; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



|   |           | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   |           |        |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|-----------|--------|
|   | Freq      | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  | Pol/Phase | Remark |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |           |        |
| 1 | 1267.454  | 47.23       | 25.48  | 2.55  | 38.62  | 36.64  | 68.20  | -31.56 | VERTICAL  | peak   |
| 2 | 1414.597  | 46.75       | 25.82  | 2.67  | 38.47  | 36.77  | 74.00  | -37.23 | VERTICAL  | peak   |
| 3 | 4279.589  | 44.55       | 30.56  | 4.57  | 37.47  | 42.21  | 74.00  | -31.79 | VERTICAL  | peak   |
| 4 | 7898.049  | 44.69       | 37.16  | 6.18  | 37.20  | 50.83  | 68.20  | -17.37 | VERTICAL  | peak   |
| 5 | 10480.000 | 43.65       | 40.18  | 7.26  | 42.45  | 48.64  | 68.20  | -19.56 | VERTICAL  | peak   |
| 6 | 15720.000 | 44.15       | 39.15  | 9.38  | 43.59  | 49.09  | 74.00  | -24.91 | VERTICAL  | peak   |



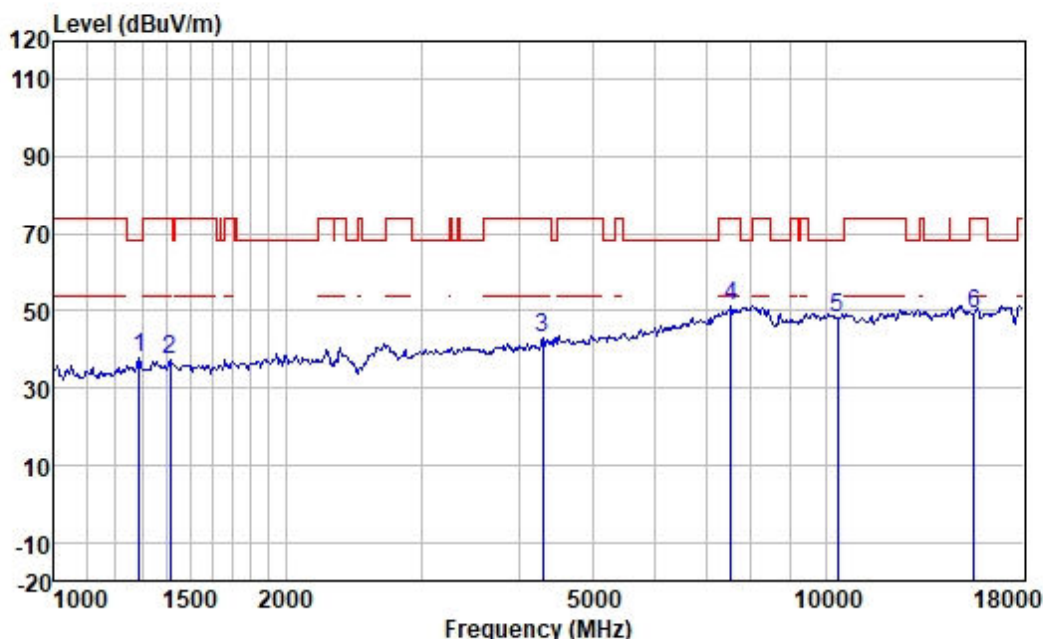
Test Mode: 04; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



|   |           | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   |            |        |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|------------|--------|
|   | Freq      | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  | Pol/Phase  | Remark |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |            |        |
| 1 | 1289.627  | 47.37       | 25.56  | 2.58  | 38.60  | 36.91  | 68.20  | -31.29 | HORIZONTAL | peak   |
| 2 | 1414.597  | 47.11       | 25.82  | 2.67  | 38.47  | 37.13  | 74.00  | -36.87 | HORIZONTAL | peak   |
| 3 | 4456.315  | 44.42       | 30.87  | 4.61  | 37.45  | 42.45  | 68.20  | -25.75 | HORIZONTAL | peak   |
| 4 | 7807.262  | 45.17       | 37.06  | 6.15  | 37.20  | 51.18  | 68.20  | -17.02 | HORIZONTAL | peak   |
| 5 | 10480.000 | 43.67       | 40.18  | 7.26  | 42.45  | 48.66  | 68.20  | -19.54 | HORIZONTAL | peak   |
| 6 | 15720.000 | 44.91       | 39.15  | 9.38  | 43.59  | 49.85  | 74.00  | -24.15 | HORIZONTAL | peak   |



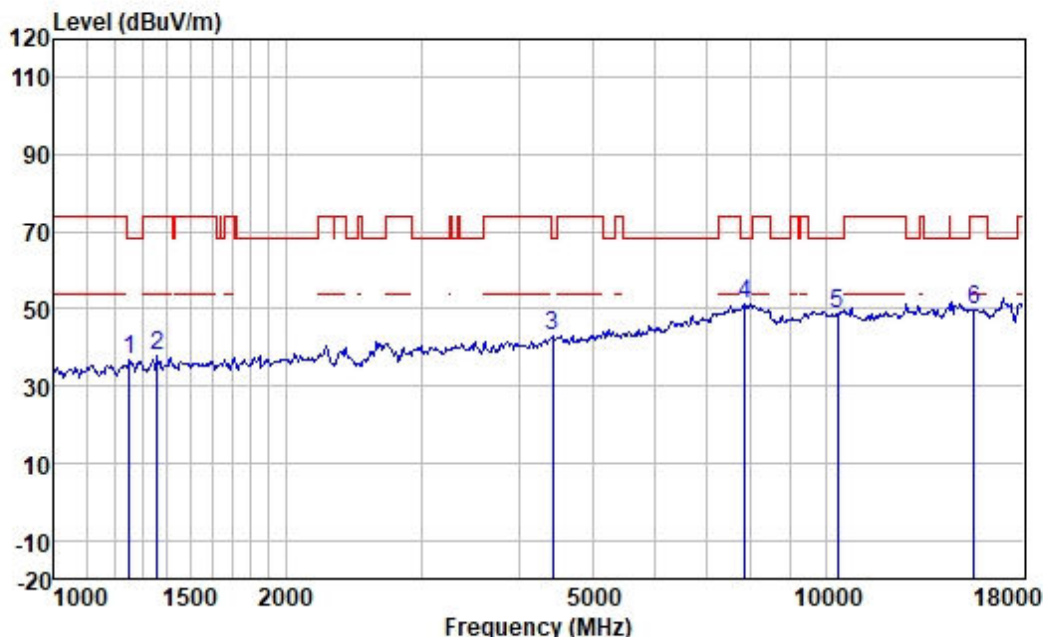
Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



|   |           | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   |           |        |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|-----------|--------|
|   | Freq      | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  | Pol/Phase | Remark |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |           |        |
| 1 | 1289.627  | 48.15       | 25.56  | 2.58  | 38.60  | 37.69  | 68.20  | -30.51 | VERTICAL  | peak   |
| 2 | 1414.597  | 47.45       | 25.82  | 2.67  | 38.47  | 37.47  | 74.00  | -36.53 | VERTICAL  | peak   |
| 3 | 4304.400  | 45.47       | 30.62  | 4.58  | 37.47  | 43.20  | 74.00  | -30.80 | VERTICAL  | peak   |
| 4 | 7541.114  | 45.50       | 36.75  | 6.04  | 37.19  | 51.10  | 74.00  | -22.90 | VERTICAL  | peak   |
| 5 | 10380.000 | 43.15       | 40.00  | 7.25  | 42.36  | 48.04  | 68.20  | -20.16 | VERTICAL  | peak   |
| 6 | 15570.000 | 44.40       | 39.52  | 9.29  | 43.95  | 49.26  | 74.00  | -24.74 | VERTICAL  | peak   |



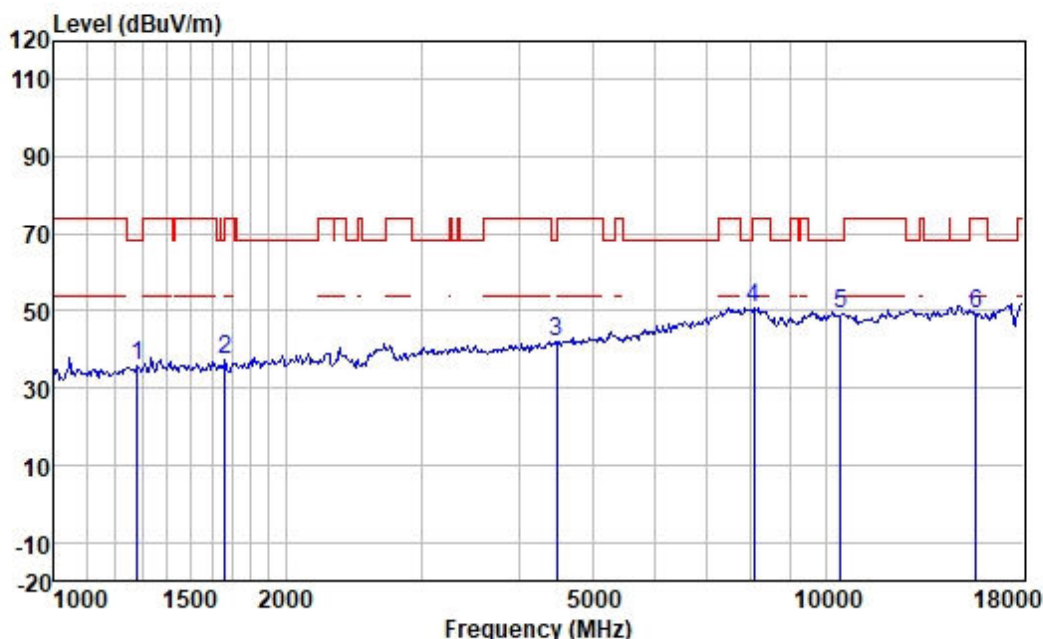
Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



|   |           | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   |            |        |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|------------|--------|
|   | Freq      | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  | Pol/Phase  | Remark |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |            |        |
| 1 | 1252.885  | 47.27       | 25.42  | 2.52  | 38.63  | 36.58  | 68.20  | -31.62 | HORIZONTAL | peak   |
| 2 | 1358.498  | 48.19       | 25.73  | 2.63  | 38.53  | 38.02  | 74.00  | -35.98 | HORIZONTAL | peak   |
| 3 | 4430.628  | 44.81       | 30.83  | 4.61  | 37.45  | 42.80  | 68.20  | -25.40 | HORIZONTAL | peak   |
| 4 | 7852.524  | 45.41       | 37.11  | 6.16  | 37.20  | 51.48  | 68.20  | -16.72 | HORIZONTAL | peak   |
| 5 | 10380.000 | 43.91       | 40.00  | 7.25  | 42.36  | 48.80  | 68.20  | -19.40 | HORIZONTAL | peak   |
| 6 | 15570.000 | 44.72       | 39.52  | 9.29  | 43.95  | 49.58  | 74.00  | -24.42 | HORIZONTAL | peak   |



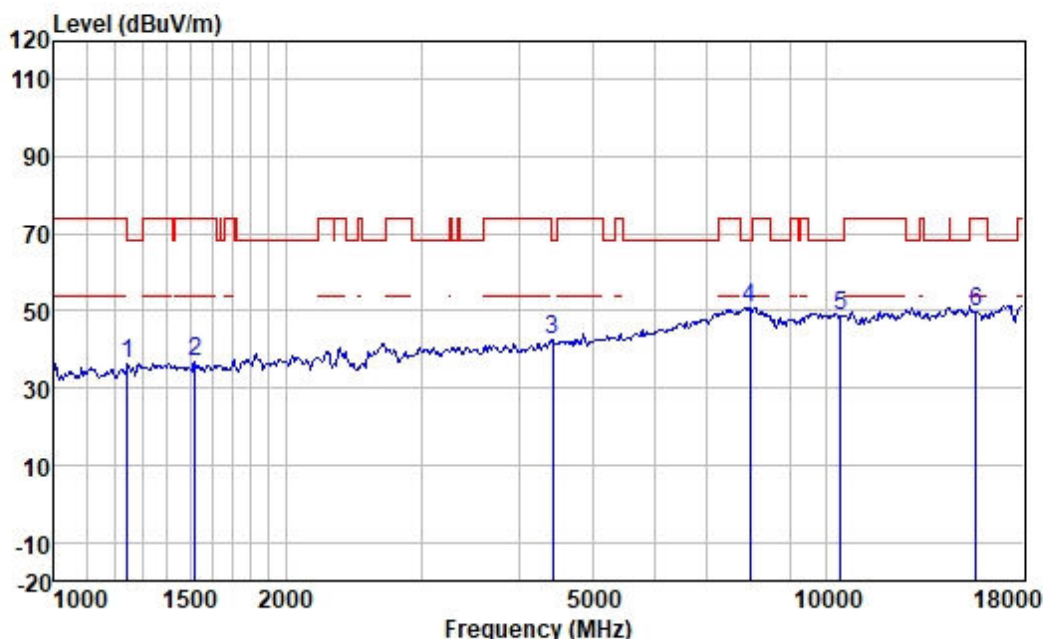
Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



|   |           | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   |           |        |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|-----------|--------|
|   | Freq      | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  | Pol/Phase | Remark |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |           |        |
| 1 | 1282.193  | 46.04       | 25.54  | 2.57  | 38.60  | 35.55  | 68.20  | -32.65 | VERTICAL  | peak   |
| 2 | 1663.137  | 46.66       | 26.10  | 2.81  | 38.06  | 37.51  | 74.00  | -36.49 | VERTICAL  | peak   |
| 3 | 4482.150  | 44.06       | 30.90  | 4.62  | 37.44  | 42.14  | 68.20  | -26.06 | VERTICAL  | peak   |
| 4 | 8082.804  | 44.98       | 37.17  | 6.24  | 37.39  | 51.00  | 74.00  | -23.00 | VERTICAL  | peak   |
| 5 | 10460.000 | 44.13       | 40.12  | 7.26  | 42.42  | 49.09  | 68.20  | -19.11 | VERTICAL  | peak   |
| 6 | 15690.000 | 44.00       | 39.28  | 9.34  | 43.65  | 48.97  | 74.00  | -25.03 | VERTICAL  | peak   |



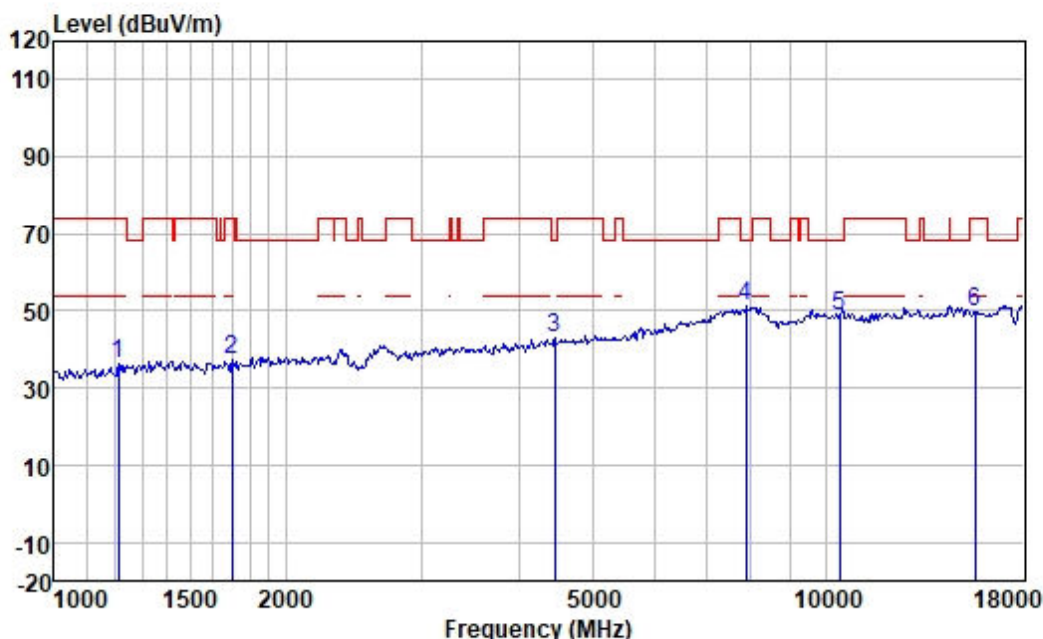
Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



|   | Freq      | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   |            |        |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|------------|--------|
|   |           | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  | Pol/Phase  | Remark |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |            |        |
| 1 | 1245.663  | 47.05       | 25.38  | 2.51  | 38.64  | 36.30  | 68.20  | -31.90 | HORIZONTAL | peak   |
| 2 | 1525.000  | 46.23       | 25.93  | 2.71  | 38.26  | 36.61  | 74.00  | -37.39 | HORIZONTAL | peak   |
| 3 | 4430.628  | 44.77       | 30.83  | 4.61  | 37.45  | 42.76  | 68.20  | -25.44 | HORIZONTAL | peak   |
| 4 | 7989.893  | 44.79       | 37.23  | 6.20  | 37.20  | 51.02  | 68.20  | -17.18 | HORIZONTAL | peak   |
| 5 | 10460.000 | 43.96       | 40.12  | 7.26  | 42.42  | 48.92  | 68.20  | -19.28 | HORIZONTAL | peak   |
| 6 | 15690.000 | 44.82       | 39.28  | 9.34  | 43.65  | 49.79  | 74.00  | -24.21 | HORIZONTAL | peak   |



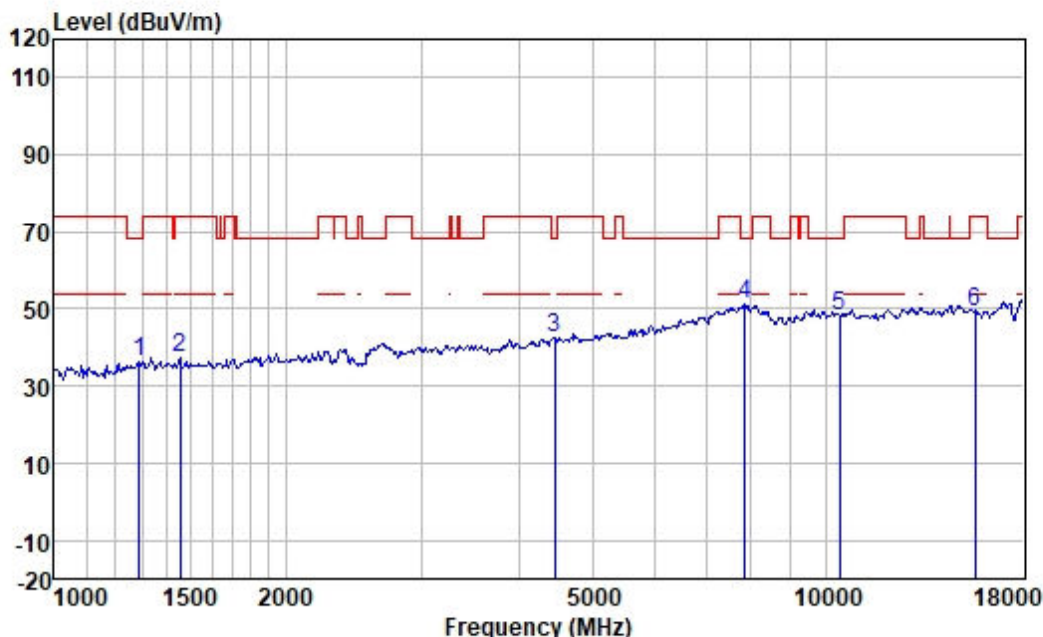
Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



|   |           | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   |           |        |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|-----------|--------|
|   | Freq      | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  | Pol/Phase | Remark |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |           |        |
| 1 | 1210.174  | 47.37       | 25.11  | 2.42  | 38.67  | 36.23  | 74.00  | -37.77 | VERTICAL  | peak   |
| 2 | 1702.042  | 46.10       | 26.18  | 2.85  | 38.03  | 37.10  | 74.00  | -36.90 | VERTICAL  | peak   |
| 3 | 4456.315  | 45.03       | 30.87  | 4.61  | 37.45  | 43.06  | 68.20  | -25.14 | VERTICAL  | peak   |
| 4 | 7898.049  | 45.32       | 37.16  | 6.18  | 37.20  | 51.46  | 68.20  | -16.74 | VERTICAL  | peak   |
| 5 | 10420.000 | 43.65       | 40.06  | 7.25  | 42.39  | 48.57  | 68.20  | -19.63 | VERTICAL  | peak   |
| 6 | 15630.000 | 44.67       | 39.40  | 9.32  | 43.77  | 49.62  | 74.00  | -24.38 | VERTICAL  | peak   |



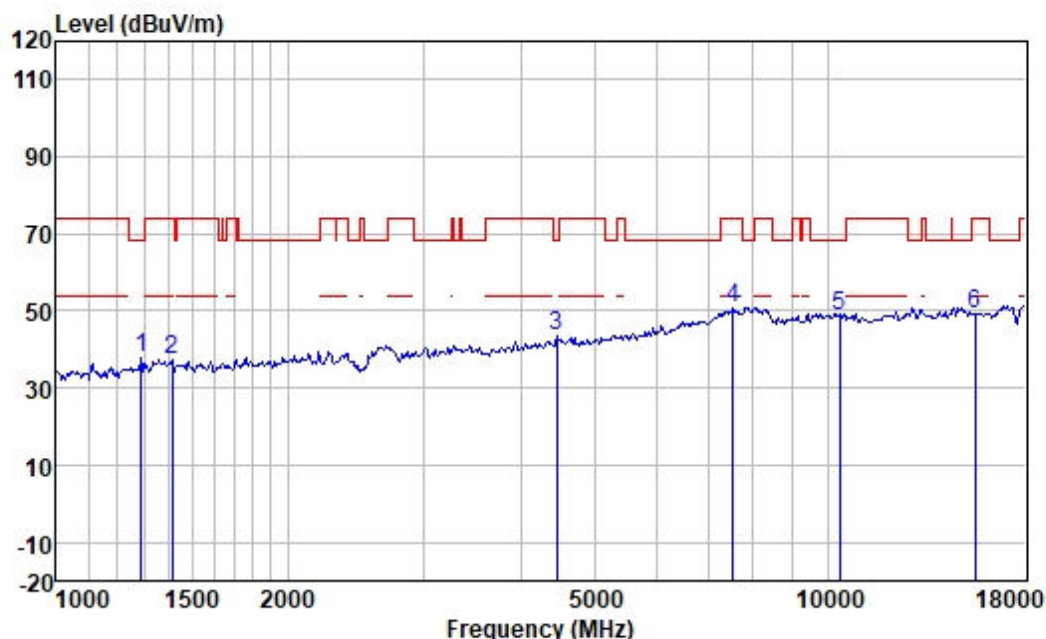
Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



|   |           | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   |            |        |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|------------|--------|
|   | Freq      | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  | Pol/Phase  | Remark |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |            |        |
| 1 | 1289.627  | 46.84       | 25.56  | 2.58  | 38.60  | 36.38  | 68.20  | -31.82 | HORIZONTAL | peak   |
| 2 | 1456.081  | 47.00       | 25.87  | 2.68  | 38.39  | 37.16  | 74.00  | -36.84 | HORIZONTAL | peak   |
| 3 | 4456.315  | 44.47       | 30.87  | 4.61  | 37.45  | 42.50  | 68.20  | -25.70 | HORIZONTAL | peak   |
| 4 | 7852.524  | 45.06       | 37.11  | 6.16  | 37.20  | 51.13  | 68.20  | -17.07 | HORIZONTAL | peak   |
| 5 | 10420.000 | 43.51       | 40.06  | 7.25  | 42.39  | 48.43  | 68.20  | -19.77 | HORIZONTAL | peak   |
| 6 | 15630.000 | 44.39       | 39.40  | 9.32  | 43.77  | 49.34  | 74.00  | -24.66 | HORIZONTAL | peak   |



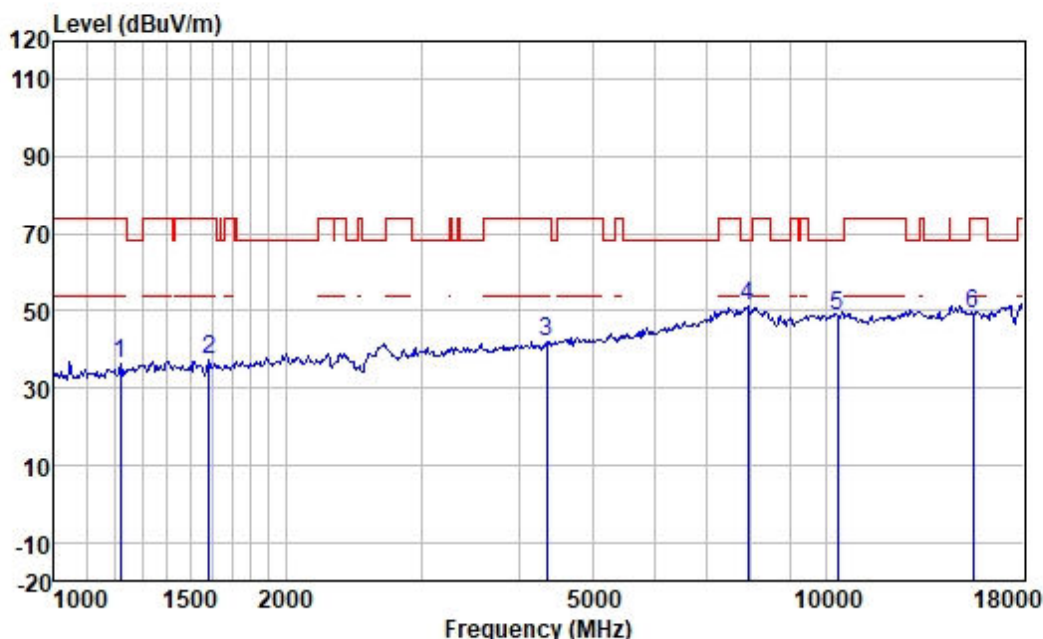
Test Mode: 04; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



|   |           | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   |           |        |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|-----------|--------|
|   | Freq      | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  | Pol/Phase | Remark |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |           |        |
| 1 | 1289.627  | 48.42       | 25.56  | 2.58  | 38.60  | 37.96  | 68.20  | -30.24 | VERTICAL  | peak   |
| 2 | 1414.597  | 47.58       | 25.82  | 2.67  | 38.47  | 37.60  | 74.00  | -36.40 | VERTICAL  | peak   |
| 3 | 4456.315  | 45.27       | 30.87  | 4.61  | 37.45  | 43.30  | 68.20  | -24.90 | VERTICAL  | peak   |
| 4 | 7541.114  | 45.14       | 36.75  | 6.04  | 37.19  | 50.74  | 74.00  | -23.26 | VERTICAL  | peak   |
| 5 | 10360.000 | 44.09       | 39.93  | 7.25  | 42.35  | 48.92  | 68.20  | -19.28 | VERTICAL  | peak   |
| 6 | 15540.000 | 44.48       | 39.62  | 9.26  | 44.07  | 49.29  | 74.00  | -24.71 | VERTICAL  | peak   |



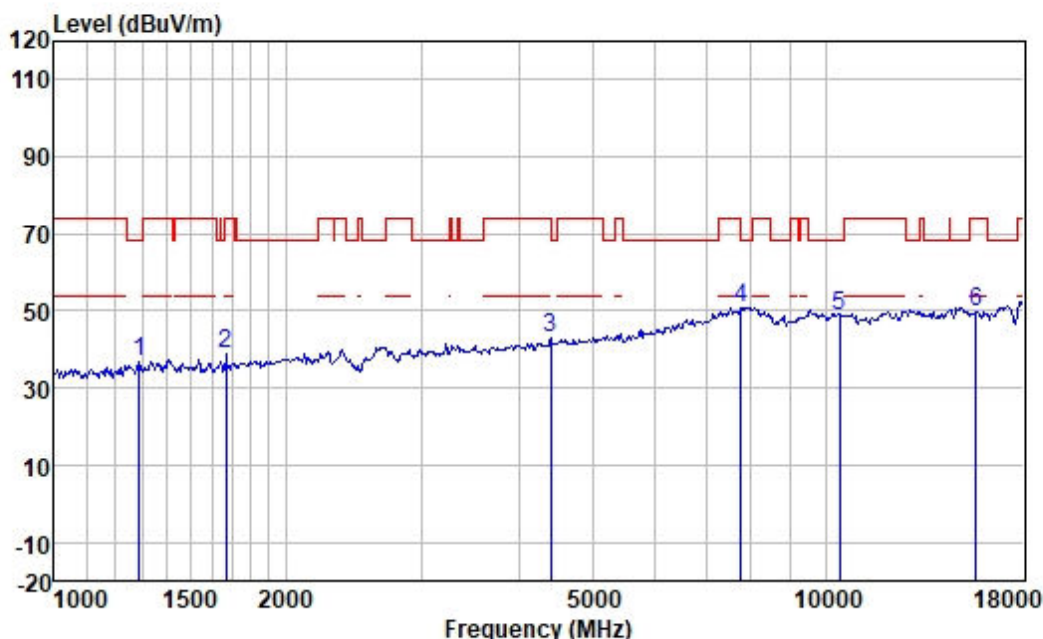
Test Mode: 04; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



|   |           | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   |            |        |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|------------|--------|
|   | Freq      | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  | Pol/Phase  | Remark |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |            |        |
| 1 | 1217.190  | 47.35       | 25.16  | 2.43  | 38.66  | 36.28  | 74.00  | -37.72 | HORIZONTAL | peak   |
| 2 | 1587.975  | 46.94       | 25.99  | 2.75  | 38.15  | 37.53  | 74.00  | -36.47 | HORIZONTAL | peak   |
| 3 | 4354.454  | 44.29       | 30.72  | 4.60  | 37.46  | 42.15  | 74.00  | -31.85 | HORIZONTAL | peak   |
| 4 | 7943.838  | 45.03       | 37.19  | 6.19  | 37.20  | 51.21  | 68.20  | -16.99 | HORIZONTAL | peak   |
| 5 | 10360.000 | 44.02       | 39.93  | 7.25  | 42.35  | 48.85  | 68.20  | -19.35 | HORIZONTAL | peak   |
| 6 | 15540.000 | 44.21       | 39.62  | 9.26  | 44.07  | 49.02  | 74.00  | -24.98 | HORIZONTAL | peak   |



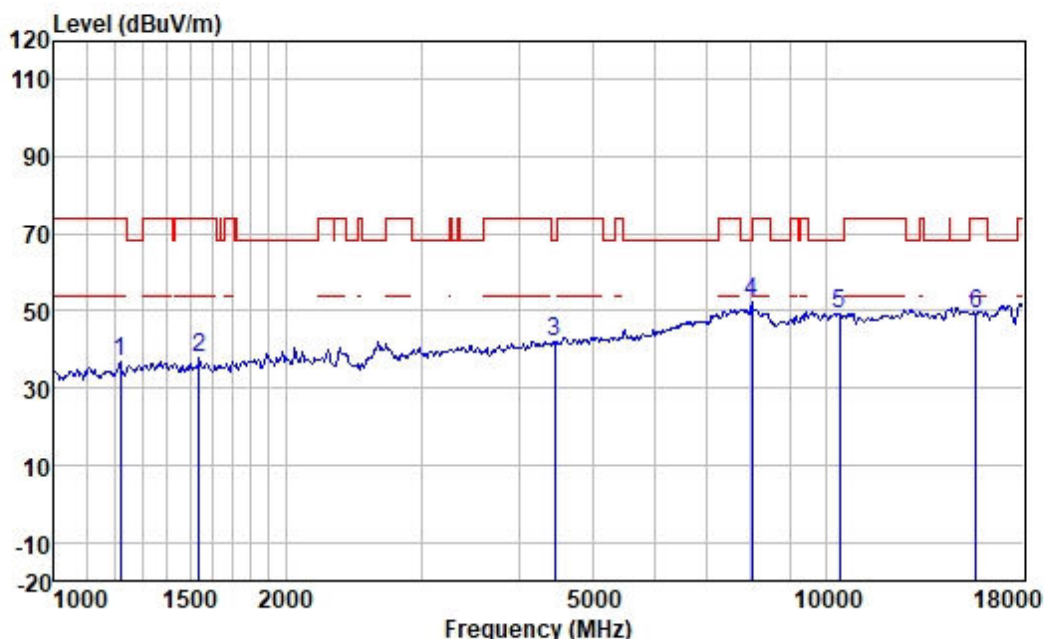
Test Mode: 04; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



|   |           | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   |           |        |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|-----------|--------|
|   | Freq      | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  | Pol/Phase | Remark |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |           |        |
| 1 | 1289.627  | 47.14       | 25.56  | 2.58  | 38.60  | 36.68  | 68.20  | -31.52 | VERTICAL  | peak   |
| 2 | 1672.779  | 47.96       | 26.12  | 2.82  | 38.05  | 38.85  | 74.00  | -35.15 | VERTICAL  | peak   |
| 3 | 4405.090  | 44.83       | 30.80  | 4.61  | 37.46  | 42.78  | 68.20  | -25.42 | VERTICAL  | peak   |
| 4 | 7762.260  | 44.72       | 37.00  | 6.13  | 37.19  | 50.66  | 68.20  | -17.54 | VERTICAL  | peak   |
| 5 | 10440.000 | 43.73       | 40.12  | 7.26  | 42.40  | 48.71  | 68.20  | -19.49 | VERTICAL  | peak   |
| 6 | 15660.000 | 44.83       | 39.28  | 9.34  | 43.73  | 49.72  | 74.00  | -24.28 | VERTICAL  | peak   |



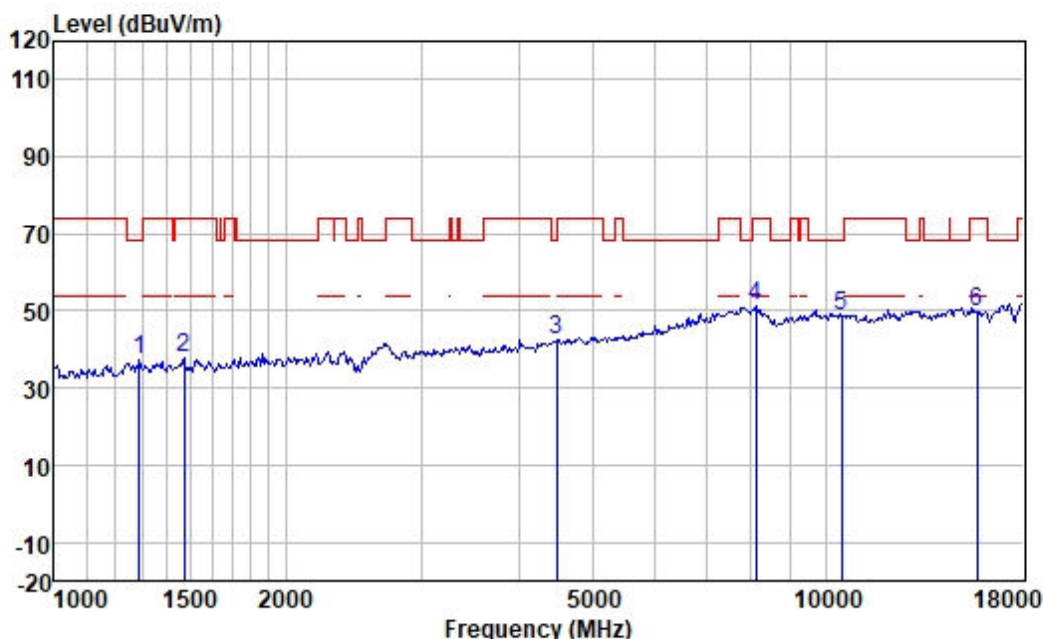
Test Mode: 04; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



|   |           | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   |            |        |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|------------|--------|
|   | Freq      | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  | Pol/Phase  | Remark |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |            |        |
| 1 | 1217.190  | 47.69       | 25.16  | 2.43  | 38.66  | 36.62  | 74.00  | -37.38 | HORIZONTAL | peak   |
| 2 | 1542.733  | 47.36       | 25.95  | 2.72  | 38.23  | 37.80  | 74.00  | -36.20 | HORIZONTAL | peak   |
| 3 | 4456.315  | 44.17       | 30.87  | 4.61  | 37.45  | 42.20  | 68.20  | -26.00 | HORIZONTAL | peak   |
| 4 | 8036.214  | 46.43       | 37.20  | 6.22  | 37.27  | 52.58  | 74.00  | -21.42 | HORIZONTAL | peak   |
| 5 | 10440.000 | 44.17       | 40.12  | 7.26  | 42.40  | 49.15  | 68.20  | -19.05 | HORIZONTAL | peak   |
| 6 | 15660.000 | 44.25       | 39.28  | 9.34  | 43.73  | 49.14  | 74.00  | -24.86 | HORIZONTAL | peak   |



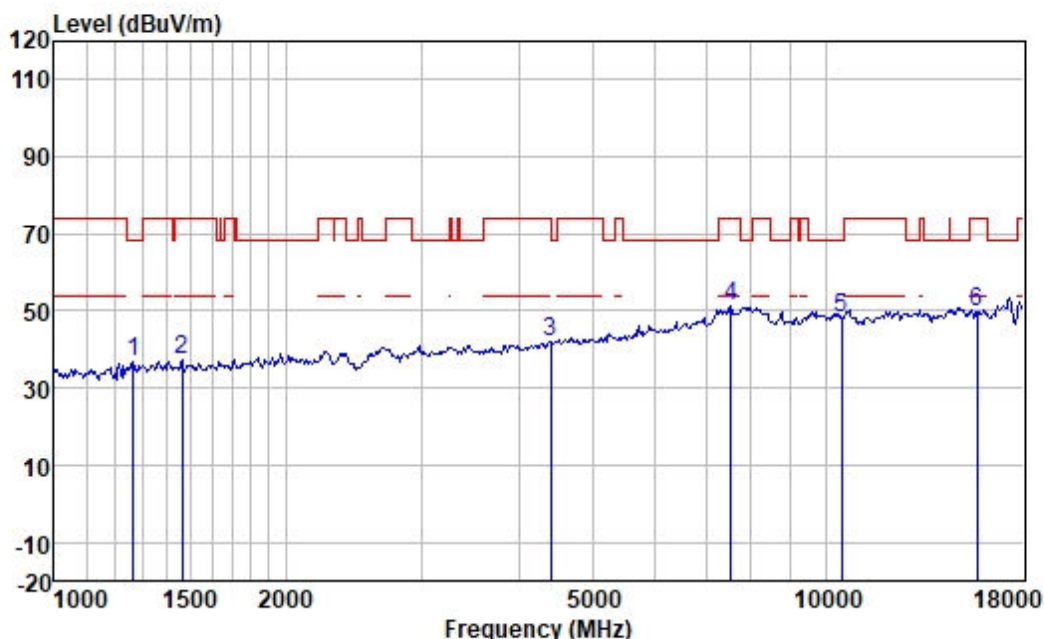
Test Mode: 04; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



|   |           | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   |           |        |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|-----------|--------|
|   | Freq      | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  | Pol/Phase | Remark |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |           |        |
| 1 | 1289.627  | 47.59       | 25.56  | 2.58  | 38.60  | 37.13  | 68.20  | -31.07 | VERTICAL  | peak   |
| 2 | 1473.013  | 47.55       | 25.88  | 2.69  | 38.37  | 37.75  | 74.00  | -36.25 | VERTICAL  | peak   |
| 3 | 4482.150  | 44.27       | 30.90  | 4.62  | 37.44  | 42.35  | 68.20  | -25.85 | VERTICAL  | peak   |
| 4 | 8129.664  | 45.41       | 37.13  | 6.26  | 37.48  | 51.32  | 74.00  | -22.68 | VERTICAL  | peak   |
| 5 | 10480.000 | 43.90       | 40.18  | 7.26  | 42.45  | 48.89  | 68.20  | -19.31 | VERTICAL  | peak   |
| 6 | 15720.000 | 44.82       | 39.15  | 9.38  | 43.59  | 49.76  | 74.00  | -24.24 | VERTICAL  | peak   |



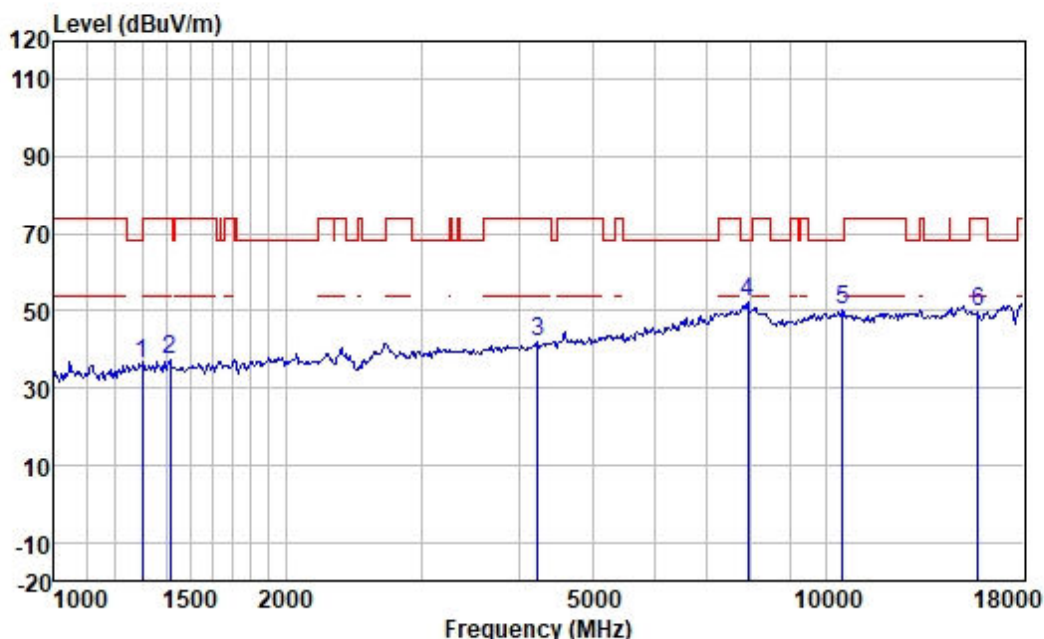
Test Mode: 04; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



|   |           | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   |            |        |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|------------|--------|
|   | Freq      | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  | Pol/Phase  | Remark |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |            |        |
| 1 | 1267.454  | 47.37       | 25.48  | 2.55  | 38.62  | 36.78  | 68.20  | -31.42 | HORIZONTAL | peak   |
| 2 | 1464.522  | 46.95       | 25.88  | 2.69  | 38.39  | 37.13  | 74.00  | -36.87 | HORIZONTAL | peak   |
| 3 | 4405.090  | 44.23       | 30.80  | 4.61  | 37.46  | 42.18  | 68.20  | -26.02 | HORIZONTAL | peak   |
| 4 | 7541.114  | 45.81       | 36.75  | 6.04  | 37.19  | 51.41  | 74.00  | -22.59 | HORIZONTAL | peak   |
| 5 | 10480.000 | 43.37       | 40.18  | 7.26  | 42.45  | 48.36  | 68.20  | -19.84 | HORIZONTAL | peak   |
| 6 | 15720.000 | 44.69       | 39.15  | 9.38  | 43.59  | 49.63  | 74.00  | -24.37 | HORIZONTAL | peak   |



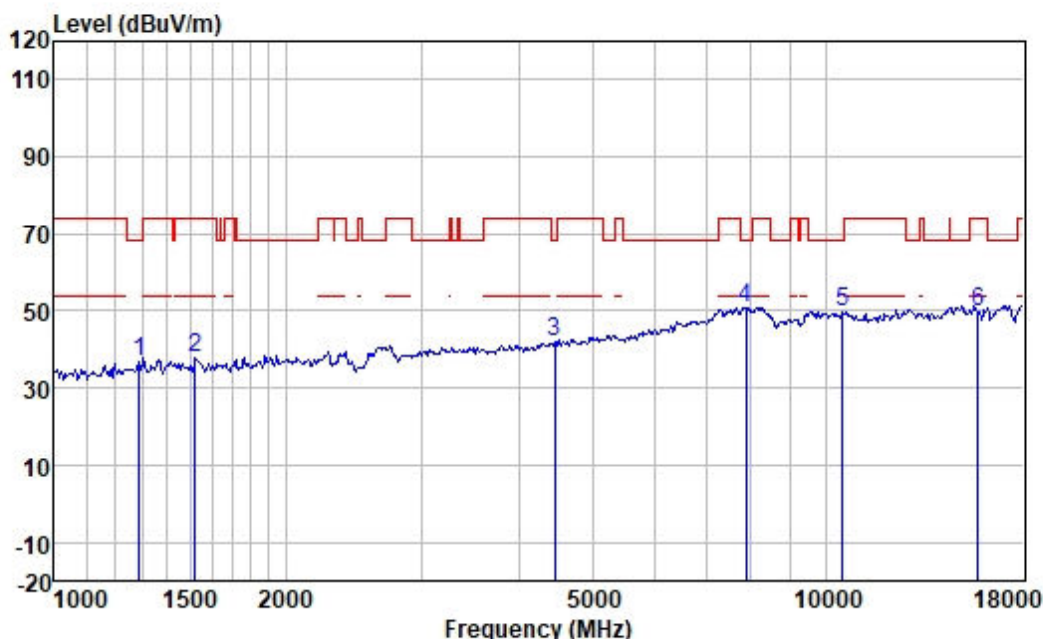
Test Mode: 05; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



|   |           | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   |           |        |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|-----------|--------|
|   | Freq      | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  | Pol/Phase | Remark |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |           |        |
| 1 | 1300.858  | 46.79       | 25.60  | 2.59  | 38.58  | 36.40  | 74.00  | -37.60 | VERTICAL  | peak   |
| 2 | 1414.597  | 47.48       | 25.82  | 2.67  | 38.47  | 37.50  | 74.00  | -36.50 | VERTICAL  | peak   |
| 3 | 4230.396  | 44.52       | 30.42  | 4.55  | 37.48  | 42.01  | 74.00  | -31.99 | VERTICAL  | peak   |
| 4 | 7943.838  | 45.93       | 37.19  | 6.19  | 37.20  | 52.11  | 68.20  | -16.09 | VERTICAL  | peak   |
| 5 | 10520.000 | 45.49       | 40.23  | 7.26  | 42.48  | 50.50  | 68.20  | -17.70 | VERTICAL  | peak   |
| 6 | 15780.000 | 44.65       | 39.01  | 9.41  | 43.50  | 49.57  | 74.00  | -24.43 | VERTICAL  | peak   |



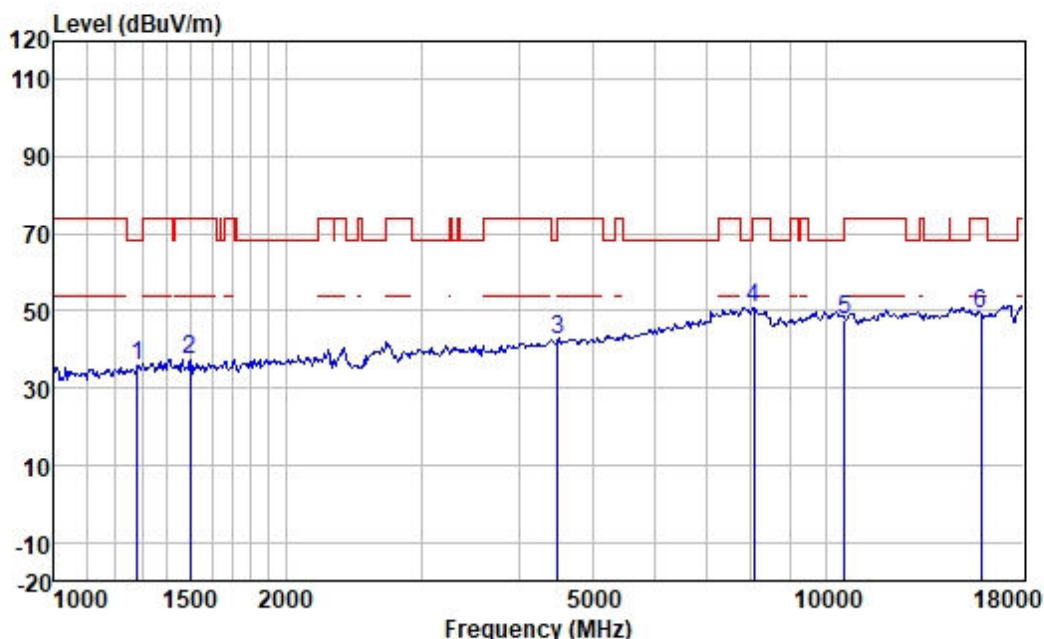
Test Mode: 05; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



|   |           | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   |            |        |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|------------|--------|
|   | Freq      | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  | Pol/Phase  | Remark |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |            |        |
| 1 | 1289.627  | 47.15       | 25.56  | 2.58  | 38.60  | 36.69  | 68.20  | -31.51 | HORIZONTAL | peak   |
| 2 | 1525.000  | 47.24       | 25.93  | 2.71  | 38.26  | 37.62  | 74.00  | -36.38 | HORIZONTAL | peak   |
| 3 | 4456.315  | 43.90       | 30.87  | 4.61  | 37.45  | 41.93  | 68.20  | -26.27 | HORIZONTAL | peak   |
| 4 | 7898.049  | 44.72       | 37.16  | 6.18  | 37.20  | 50.86  | 68.20  | -17.34 | HORIZONTAL | peak   |
| 5 | 10520.000 | 44.48       | 40.23  | 7.26  | 42.48  | 49.49  | 68.20  | -18.71 | HORIZONTAL | peak   |
| 6 | 15780.000 | 44.86       | 39.01  | 9.41  | 43.50  | 49.78  | 74.00  | -24.22 | HORIZONTAL | peak   |



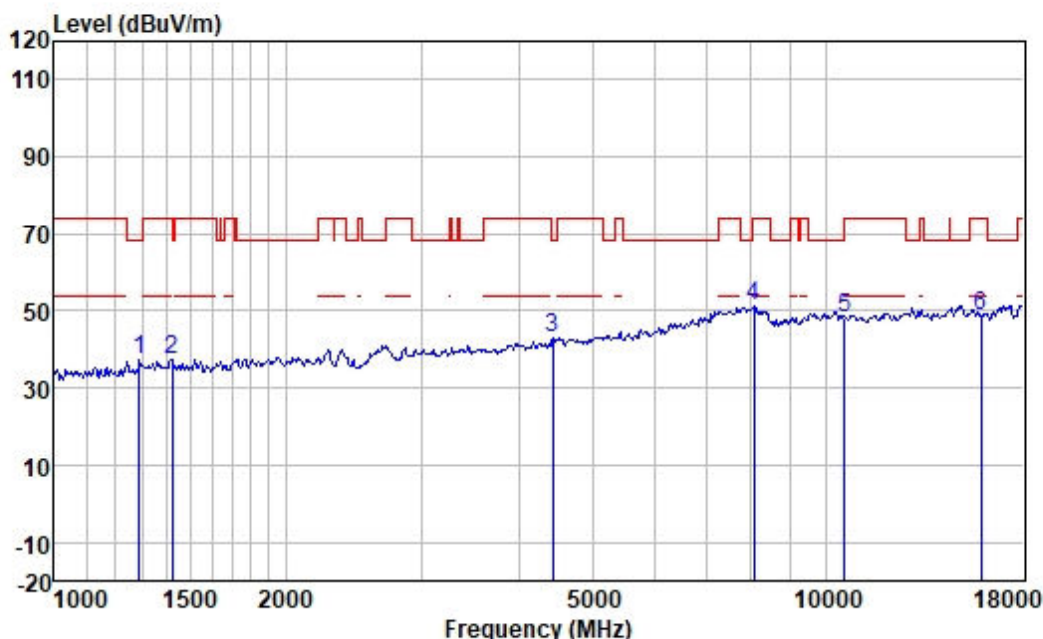
Test Mode: 05; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



|   |           | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   |           |        |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|-----------|--------|
|   | Freq      | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  | Pol/Phase | Remark |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |           |        |
| 1 | 1282.193  | 46.43       | 25.54  | 2.57  | 38.60  | 35.94  | 68.20  | -32.26 | VERTICAL  | peak   |
| 2 | 1498.781  | 47.22       | 25.91  | 2.70  | 38.33  | 37.50  | 74.00  | -36.50 | VERTICAL  | peak   |
| 3 | 4495.125  | 44.41       | 30.91  | 4.62  | 37.44  | 42.50  | 68.20  | -25.70 | VERTICAL  | peak   |
| 4 | 8082.804  | 44.71       | 37.17  | 6.24  | 37.39  | 50.73  | 74.00  | -23.27 | VERTICAL  | peak   |
| 5 | 10600.000 | 42.87       | 40.30  | 7.30  | 42.55  | 47.92  | 68.20  | -20.28 | VERTICAL  | peak   |
| 6 | 15900.000 | 44.28       | 38.54  | 9.52  | 43.32  | 49.02  | 74.00  | -24.98 | VERTICAL  | peak   |



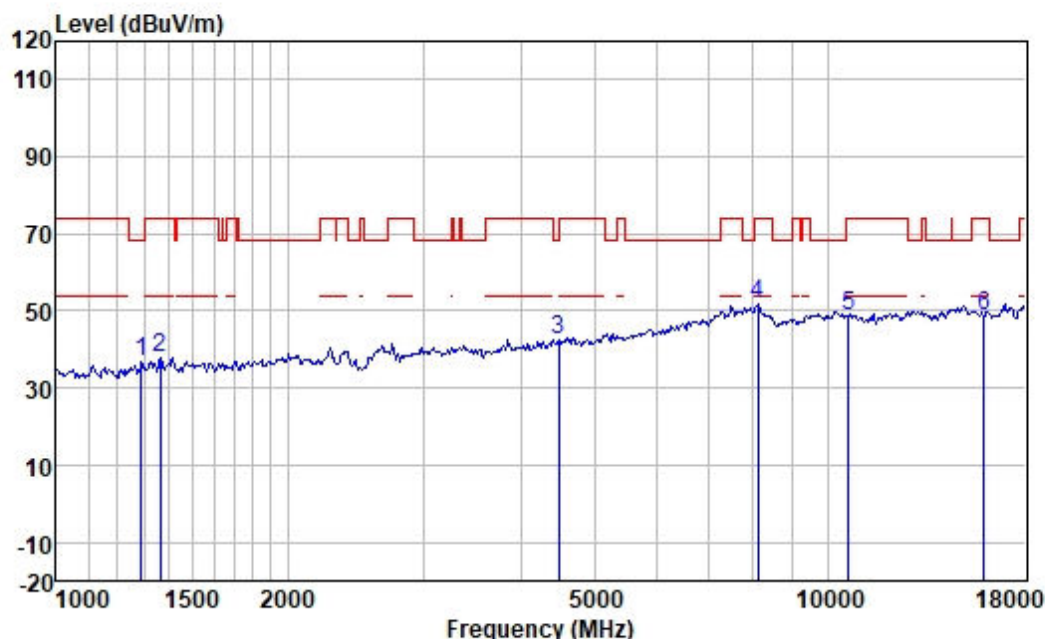
Test Mode: 05; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



|   |           | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   |            |        |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|------------|--------|
|   | Freq      | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  | Pol/Phase  | Remark |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |            |        |
| 1 | 1289.627  | 47.55       | 25.56  | 2.58  | 38.60  | 37.09  | 68.20  | -31.11 | HORIZONTAL | peak   |
| 2 | 1422.798  | 47.38       | 25.83  | 2.67  | 38.45  | 37.43  | 74.00  | -36.57 | HORIZONTAL | peak   |
| 3 | 4430.628  | 44.80       | 30.83  | 4.61  | 37.45  | 42.79  | 68.20  | -25.41 | HORIZONTAL | peak   |
| 4 | 8082.804  | 45.14       | 37.17  | 6.24  | 37.39  | 51.16  | 74.00  | -22.84 | HORIZONTAL | peak   |
| 5 | 10600.000 | 43.26       | 40.30  | 7.30  | 42.55  | 48.31  | 68.20  | -19.89 | HORIZONTAL | peak   |
| 6 | 15900.000 | 43.77       | 38.54  | 9.52  | 43.32  | 48.51  | 74.00  | -25.49 | HORIZONTAL | peak   |



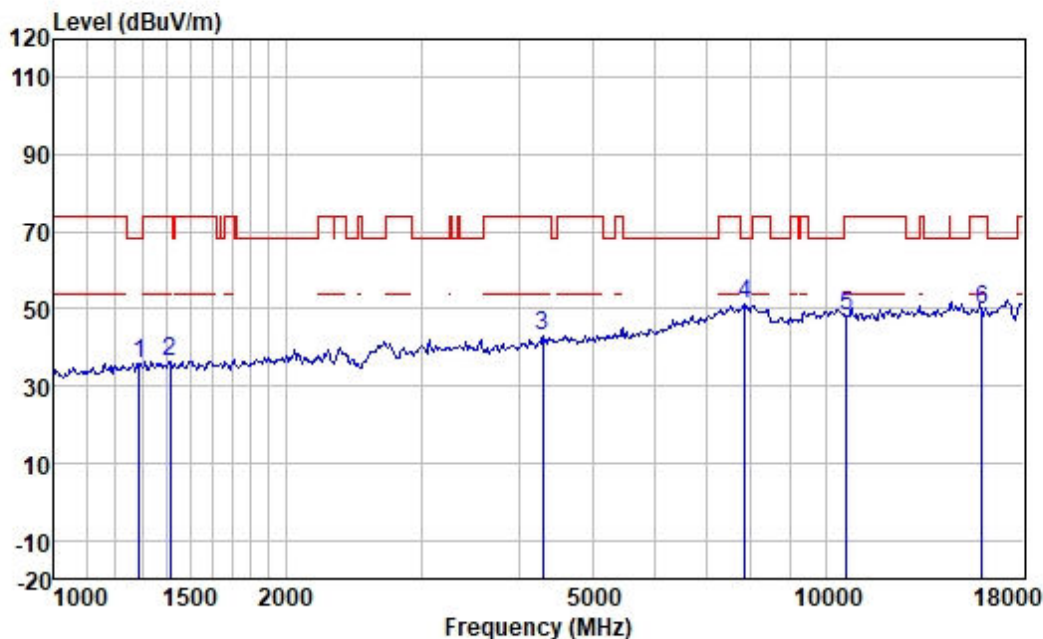
Test Mode: 05; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



|   |           | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   |           |        |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|-----------|--------|
|   | Freq      | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  | Pol/Phase | Remark |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |           |        |
| 1 | 1289.627  | 47.25       | 25.56  | 2.58  | 38.60  | 36.79  | 68.20  | -31.41 | VERTICAL  | peak   |
| 2 | 1366.374  | 48.25       | 25.74  | 2.64  | 38.51  | 38.12  | 74.00  | -35.88 | VERTICAL  | peak   |
| 3 | 4482.150  | 44.31       | 30.90  | 4.62  | 37.44  | 42.39  | 68.20  | -25.81 | VERTICAL  | peak   |
| 4 | 8129.664  | 45.75       | 37.13  | 6.26  | 37.48  | 51.66  | 74.00  | -22.34 | VERTICAL  | peak   |
| 5 | 10640.000 | 43.40       | 40.33  | 7.32  | 42.57  | 48.48  | 74.00  | -25.52 | VERTICAL  | peak   |
| 6 | 15960.000 | 44.22       | 38.41  | 9.55  | 43.24  | 48.94  | 74.00  | -25.06 | VERTICAL  | peak   |



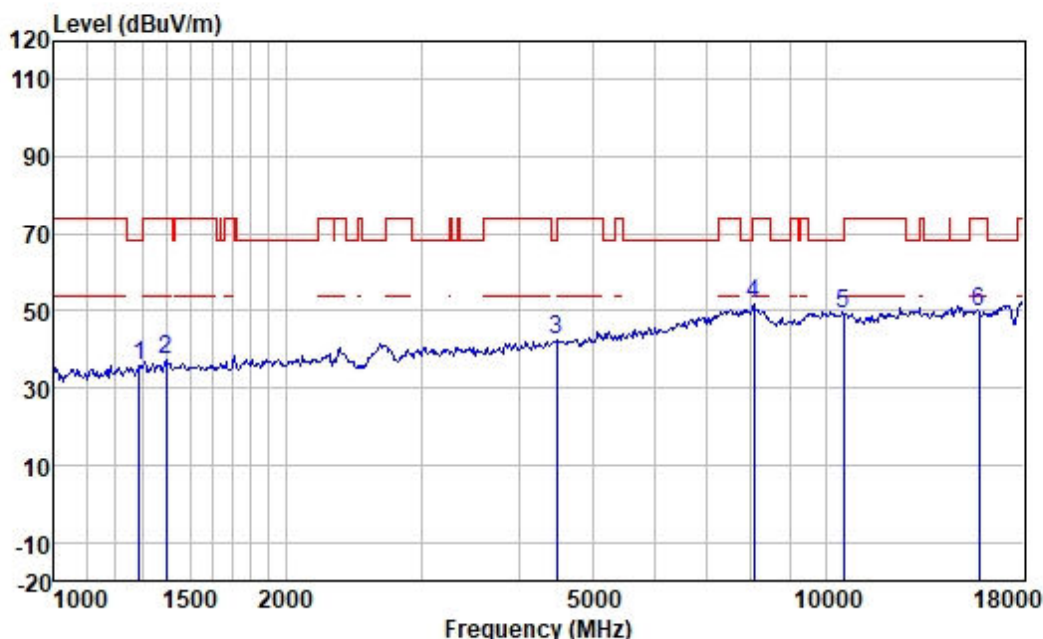
Test Mode: 05; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



|   | Freq      | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   | Pol/Phase  | Remark |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|------------|--------|
|   |           | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  |            |        |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |            |        |
| 1 | 1289.627  | 46.31       | 25.56  | 2.58  | 38.60  | 35.85  | 68.20  | -32.35 | HORIZONTAL | peak   |
| 2 | 1414.597  | 46.52       | 25.82  | 2.67  | 38.47  | 36.54  | 74.00  | -37.46 | HORIZONTAL | peak   |
| 3 | 4304.400  | 45.25       | 30.62  | 4.58  | 37.47  | 42.98  | 74.00  | -31.02 | HORIZONTAL | peak   |
| 4 | 7852.524  | 45.22       | 37.11  | 6.16  | 37.20  | 51.29  | 68.20  | -16.91 | HORIZONTAL | peak   |
| 5 | 10640.000 | 43.31       | 40.33  | 7.32  | 42.57  | 48.39  | 74.00  | -25.61 | HORIZONTAL | peak   |
| 6 | 15960.000 | 44.93       | 38.41  | 9.55  | 43.24  | 49.65  | 74.00  | -24.35 | HORIZONTAL | peak   |



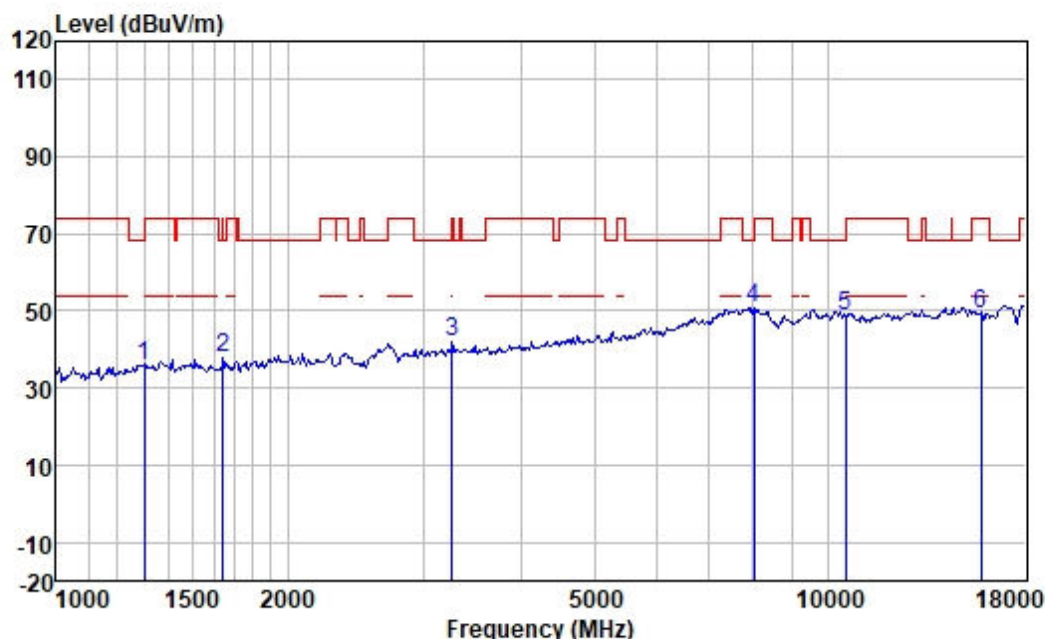
Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



|   |           | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   |           |        |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|-----------|--------|
|   | Freq      | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  | Pol/Phase | Remark |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |           |        |
| 1 | 1289.627  | 46.41       | 25.56  | 2.58  | 38.60  | 35.95  | 68.20  | -32.25 | VERTICAL  | peak   |
| 2 | 1398.336  | 47.55       | 25.79  | 2.66  | 38.49  | 37.51  | 74.00  | -36.49 | VERTICAL  | peak   |
| 3 | 4482.150  | 44.42       | 30.90  | 4.62  | 37.44  | 42.50  | 68.20  | -25.70 | VERTICAL  | peak   |
| 4 | 8082.804  | 45.66       | 37.17  | 6.24  | 37.39  | 51.68  | 74.00  | -22.32 | VERTICAL  | peak   |
| 5 | 10540.000 | 44.12       | 40.25  | 7.27  | 42.50  | 49.14  | 68.20  | -19.06 | VERTICAL  | peak   |
| 6 | 15810.000 | 44.72       | 38.84  | 9.45  | 43.44  | 49.57  | 74.00  | -24.43 | VERTICAL  | peak   |



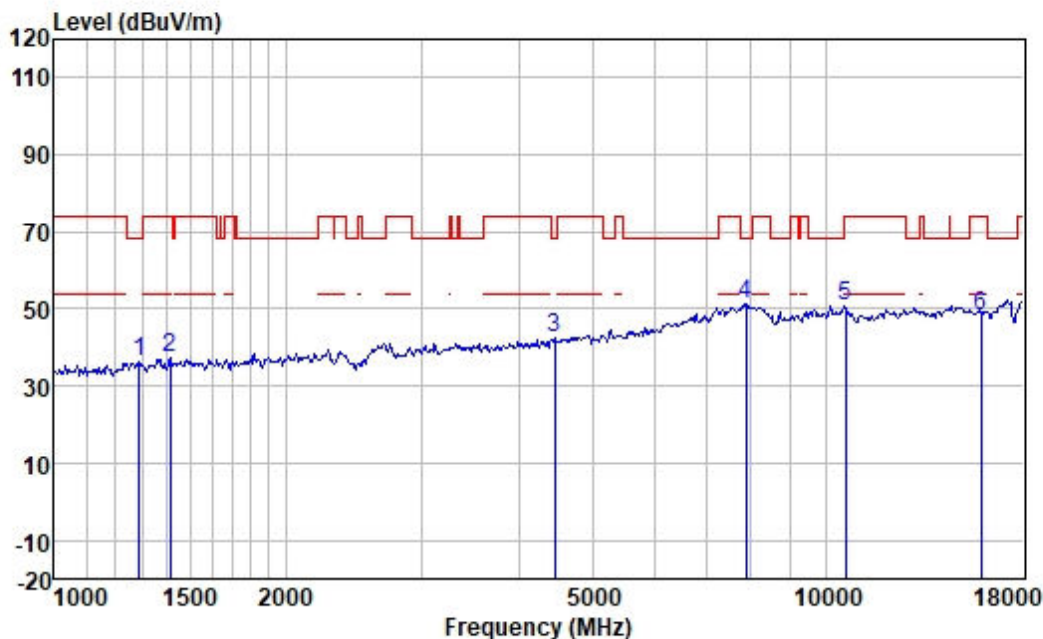
Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



|   |           | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   |            |        |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|------------|--------|
|   | Freq      | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  | Pol/Phase  | Remark |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |            |        |
| 1 | 1300.858  | 46.43       | 25.60  | 2.59  | 38.58  | 36.04  | 74.00  | -37.96 | HORIZONTAL | peak   |
| 2 | 1644.019  | 46.90       | 26.07  | 2.79  | 38.08  | 37.68  | 68.20  | -30.52 | HORIZONTAL | peak   |
| 3 | 3261.418  | 46.89       | 28.86  | 3.98  | 37.58  | 42.15  | 74.00  | -31.85 | HORIZONTAL | peak   |
| 4 | 8036.214  | 44.64       | 37.20  | 6.22  | 37.27  | 50.79  | 74.00  | -23.21 | HORIZONTAL | peak   |
| 5 | 10540.000 | 43.89       | 40.25  | 7.27  | 42.50  | 48.91  | 68.20  | -19.29 | HORIZONTAL | peak   |
| 6 | 15810.000 | 44.48       | 38.84  | 9.45  | 43.44  | 49.33  | 74.00  | -24.67 | HORIZONTAL | peak   |



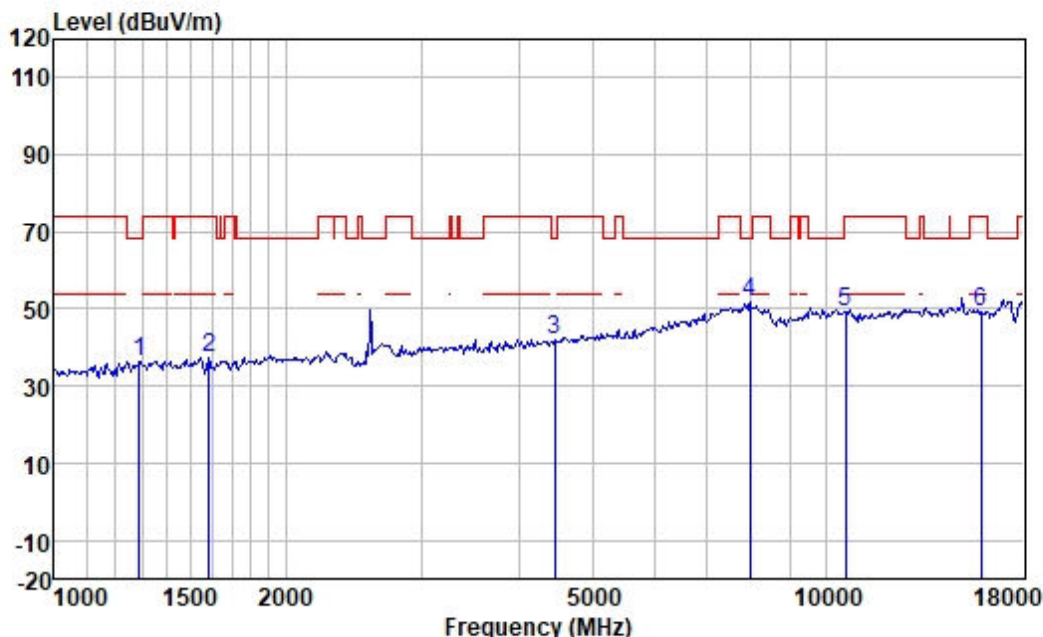
Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



|   |           | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   |           |        |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|-----------|--------|
|   | Freq      | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  | Pol/Phase | Remark |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |           |        |
| 1 | 1289.627  | 46.62       | 25.56  | 2.58  | 38.60  | 36.16  | 68.20  | -32.04 | VERTICAL  | peak   |
| 2 | 1414.597  | 47.58       | 25.82  | 2.67  | 38.47  | 37.60  | 74.00  | -36.40 | VERTICAL  | peak   |
| 3 | 4456.315  | 44.73       | 30.87  | 4.61  | 37.45  | 42.76  | 68.20  | -25.44 | VERTICAL  | peak   |
| 4 | 7898.049  | 45.37       | 37.16  | 6.18  | 37.20  | 51.51  | 68.20  | -16.69 | VERTICAL  | peak   |
| 5 | 10620.000 | 45.69       | 40.30  | 7.30  | 42.56  | 50.73  | 74.00  | -23.27 | VERTICAL  | peak   |
| 6 | 15930.000 | 43.65       | 38.41  | 9.55  | 43.28  | 48.33  | 74.00  | -25.67 | VERTICAL  | peak   |



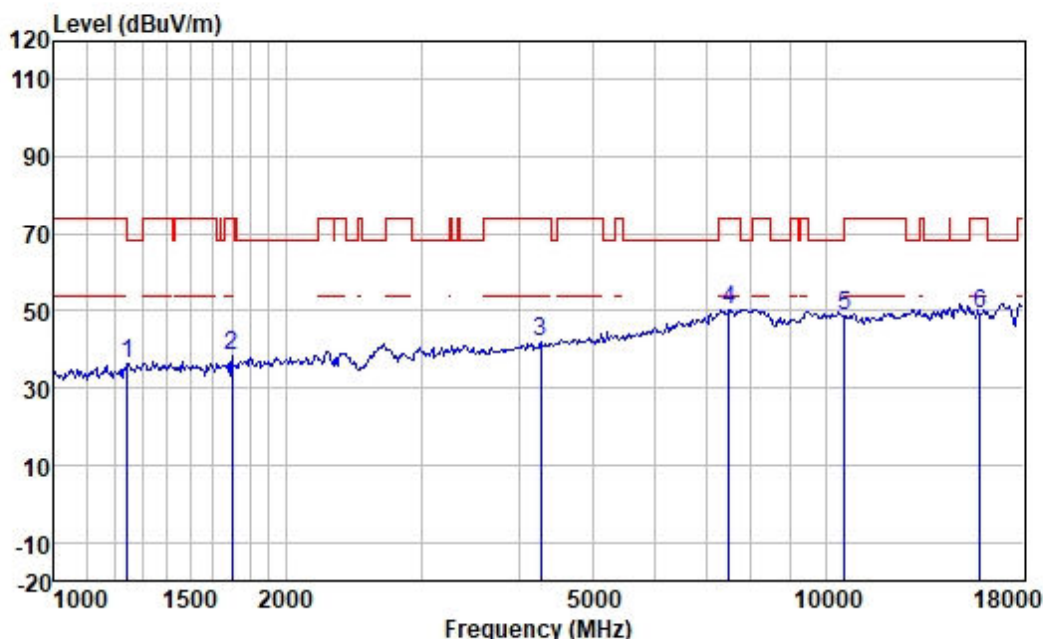
Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



|   | Freq      | ReadAntenna | Cable | Preamp |       | Limit  | Over   |           |                 |
|---|-----------|-------------|-------|--------|-------|--------|--------|-----------|-----------------|
|   | Level     | Factor      | Loss  | Factor | Level | Line   | Limit  | Pol/Phase | Remark          |
|   | MHz       | dBuV        | dB/m  | dB     | dB    | dBuV/m | dBuV/m | dB        |                 |
| 1 | 1289.627  | 46.84       | 25.56 | 2.58   | 38.60 | 36.38  | 68.20  | -31.82    | HORIZONTAL peak |
| 2 | 1587.975  | 46.94       | 25.99 | 2.75   | 38.15 | 37.53  | 74.00  | -36.47    | HORIZONTAL peak |
| 3 | 4456.315  | 44.21       | 30.87 | 4.61   | 37.45 | 42.24  | 68.20  | -25.96    | HORIZONTAL peak |
| 4 | 7989.893  | 45.33       | 37.23 | 6.20   | 37.20 | 51.56  | 68.20  | -16.64    | HORIZONTAL peak |
| 5 | 10620.000 | 44.18       | 40.30 | 7.30   | 42.56 | 49.22  | 74.00  | -24.78    | HORIZONTAL peak |
| 6 | 15930.000 | 44.36       | 38.41 | 9.55   | 43.28 | 49.04  | 74.00  | -24.96    | HORIZONTAL peak |



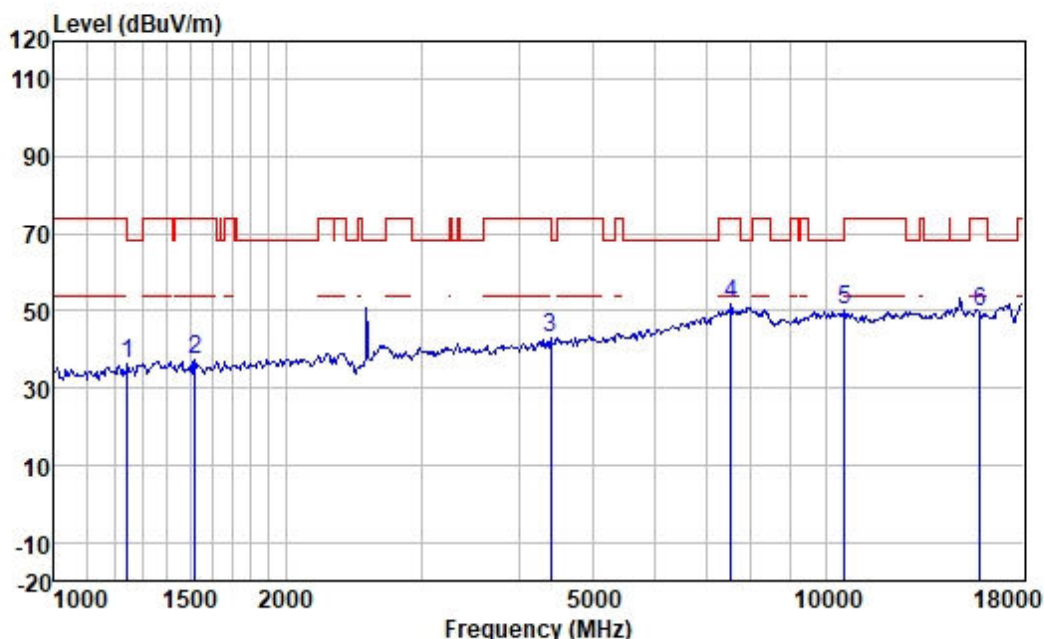
Test Mode: 05; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



|   |           | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   |           |        |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|-----------|--------|
|   | Freq      | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  | Pol/Phase | Remark |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |           |        |
| 1 | 1245.663  | 47.20       | 25.38  | 2.51  | 38.64  | 36.45  | 68.20  | -31.75 | VERTICAL  | peak   |
| 2 | 1702.042  | 47.24       | 26.18  | 2.85  | 38.03  | 38.24  | 74.00  | -35.76 | VERTICAL  | peak   |
| 3 | 4279.589  | 44.46       | 30.56  | 4.57  | 37.47  | 42.12  | 74.00  | -31.88 | VERTICAL  | peak   |
| 4 | 7497.646  | 44.93       | 36.71  | 6.03  | 37.19  | 50.48  | 74.00  | -23.52 | VERTICAL  | peak   |
| 5 | 10580.000 | 43.47       | 40.28  | 7.29  | 42.53  | 48.51  | 68.20  | -19.69 | VERTICAL  | peak   |
| 6 | 15870.000 | 44.61       | 38.68  | 9.49  | 43.35  | 49.43  | 74.00  | -24.57 | VERTICAL  | peak   |



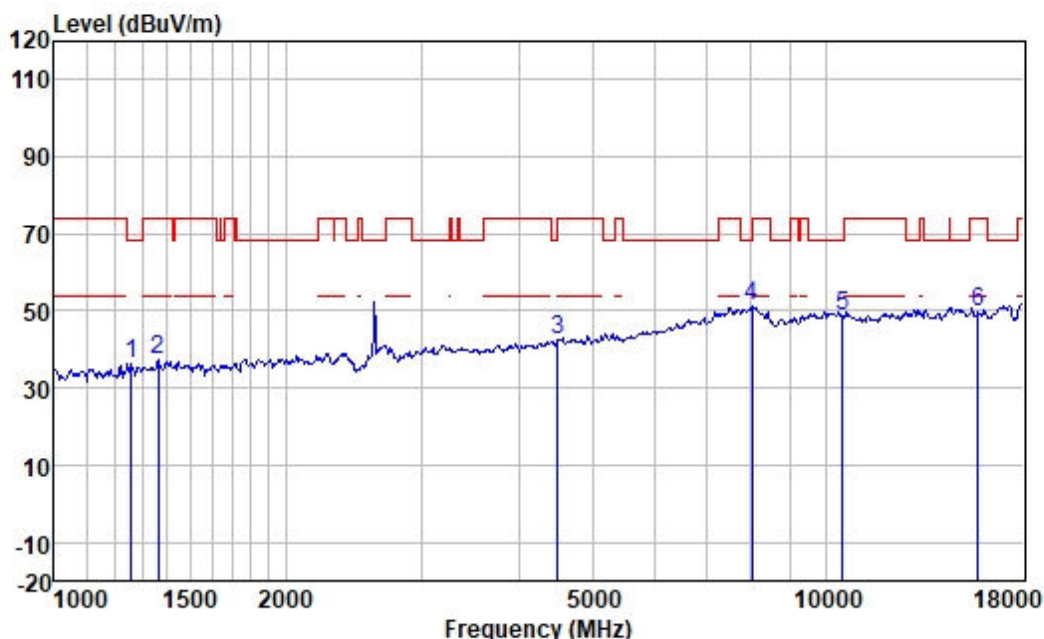
Test Mode: 05; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



|   |           | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   |            |        |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|------------|--------|
|   | Freq      | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  | Pol/Phase  | Remark |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |            |        |
| 1 | 1245.663  | 47.21       | 25.38  | 2.51  | 38.64  | 36.46  | 68.20  | -31.74 | HORIZONTAL | peak   |
| 2 | 1525.000  | 47.22       | 25.93  | 2.71  | 38.26  | 37.60  | 74.00  | -36.40 | HORIZONTAL | peak   |
| 3 | 4405.090  | 44.90       | 30.80  | 4.61  | 37.46  | 42.85  | 68.20  | -25.35 | HORIZONTAL | peak   |
| 4 | 7541.114  | 46.18       | 36.75  | 6.04  | 37.19  | 51.78  | 74.00  | -22.22 | HORIZONTAL | peak   |
| 5 | 10580.000 | 45.28       | 40.28  | 7.29  | 42.53  | 50.32  | 68.20  | -17.88 | HORIZONTAL | peak   |
| 6 | 15870.000 | 44.98       | 38.68  | 9.49  | 43.35  | 49.80  | 74.00  | -24.20 | HORIZONTAL | peak   |



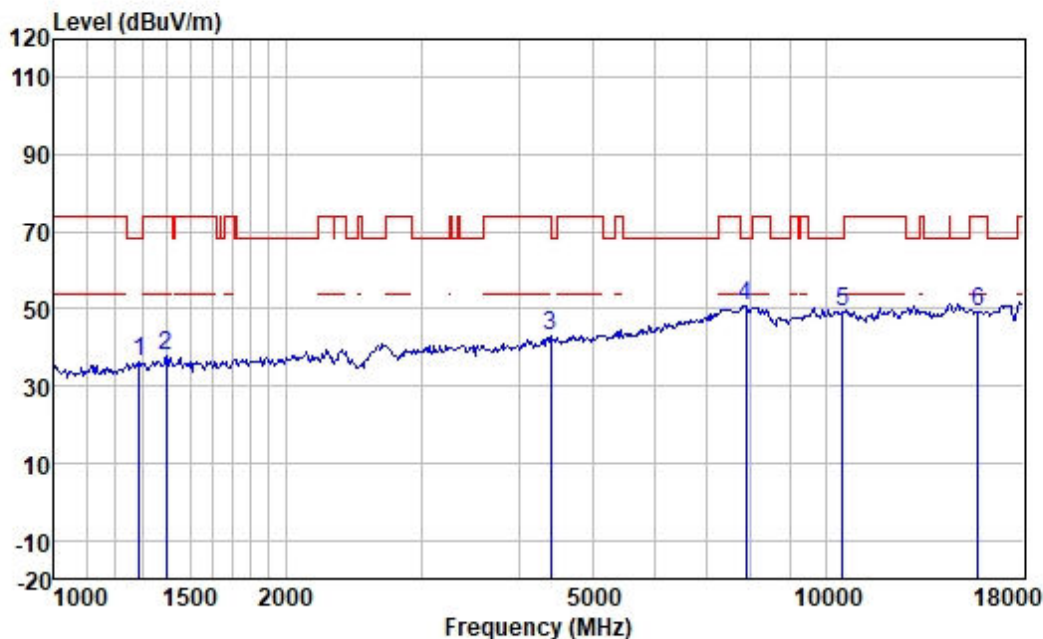
Test Mode: 05; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



|   |           | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   |           |        |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|-----------|--------|
|   | Freq      | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  | Pol/Phase | Remark |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |           |        |
| 1 | 1260.149  | 46.82       | 25.45  | 2.54  | 38.63  | 36.18  | 68.20  | -32.02 | VERTICAL  | peak   |
| 2 | 1366.374  | 47.48       | 25.74  | 2.64  | 38.51  | 37.35  | 74.00  | -36.65 | VERTICAL  | peak   |
| 3 | 4495.125  | 44.18       | 30.91  | 4.62  | 37.44  | 42.27  | 68.20  | -25.93 | VERTICAL  | peak   |
| 4 | 8036.214  | 45.25       | 37.20  | 6.22  | 37.27  | 51.40  | 74.00  | -22.60 | VERTICAL  | peak   |
| 5 | 10520.000 | 43.76       | 40.23  | 7.26  | 42.48  | 48.77  | 68.20  | -19.43 | VERTICAL  | peak   |
| 6 | 15780.000 | 44.67       | 39.01  | 9.41  | 43.50  | 49.59  | 74.00  | -24.41 | VERTICAL  | peak   |



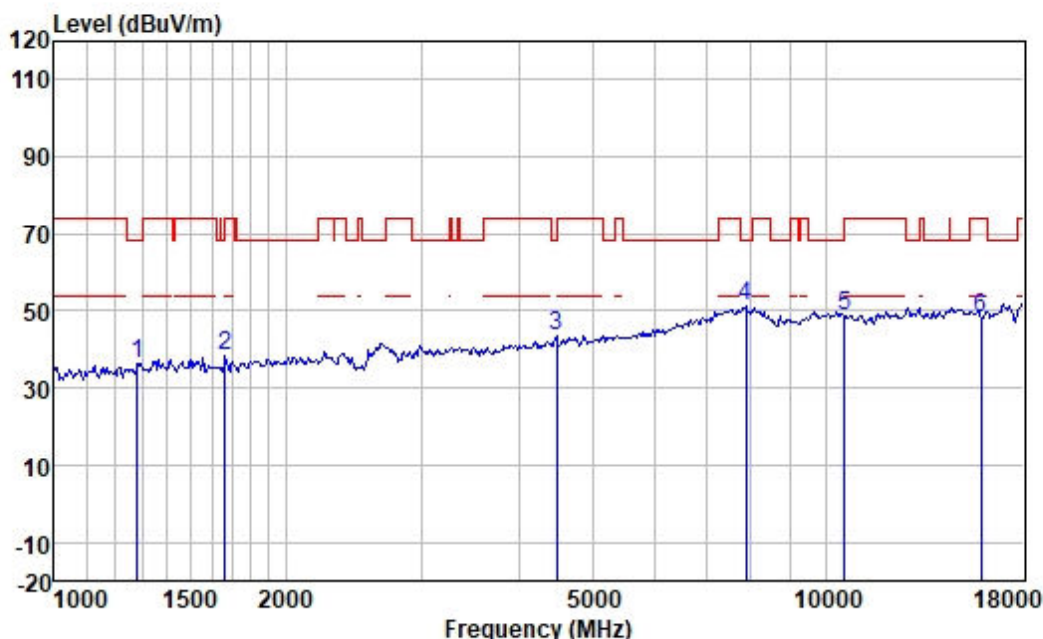
Test Mode: 05; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



|   | Freq      | ReadAntenna | Cable  | Preamp |        | Limit  | Over   |        |            |        |
|---|-----------|-------------|--------|--------|--------|--------|--------|--------|------------|--------|
|   | MHz       | Level       | Factor | Loss   | Factor | Level  | Line   | Limit  | Pol/Phase  | Remark |
|   | MHz       | dBuV        | dB/m   | dB     | dB     | dBuV/m | dBuV/m | dB     |            |        |
| 1 | 1289.627  | 46.56       | 25.56  | 2.58   | 38.60  | 36.10  | 68.20  | -32.10 | HORIZONTAL | peak   |
| 2 | 1398.336  | 47.98       | 25.79  | 2.66   | 38.49  | 37.94  | 74.00  | -36.06 | HORIZONTAL | peak   |
| 3 | 4405.090  | 45.19       | 30.80  | 4.61   | 37.46  | 43.14  | 68.20  | -25.06 | HORIZONTAL | peak   |
| 4 | 7898.049  | 44.82       | 37.16  | 6.18   | 37.20  | 50.96  | 68.20  | -17.24 | HORIZONTAL | peak   |
| 5 | 10520.000 | 44.08       | 40.23  | 7.26   | 42.48  | 49.09  | 68.20  | -19.11 | HORIZONTAL | peak   |
| 6 | 15780.000 | 44.15       | 39.01  | 9.41   | 43.50  | 49.07  | 74.00  | -24.93 | HORIZONTAL | peak   |



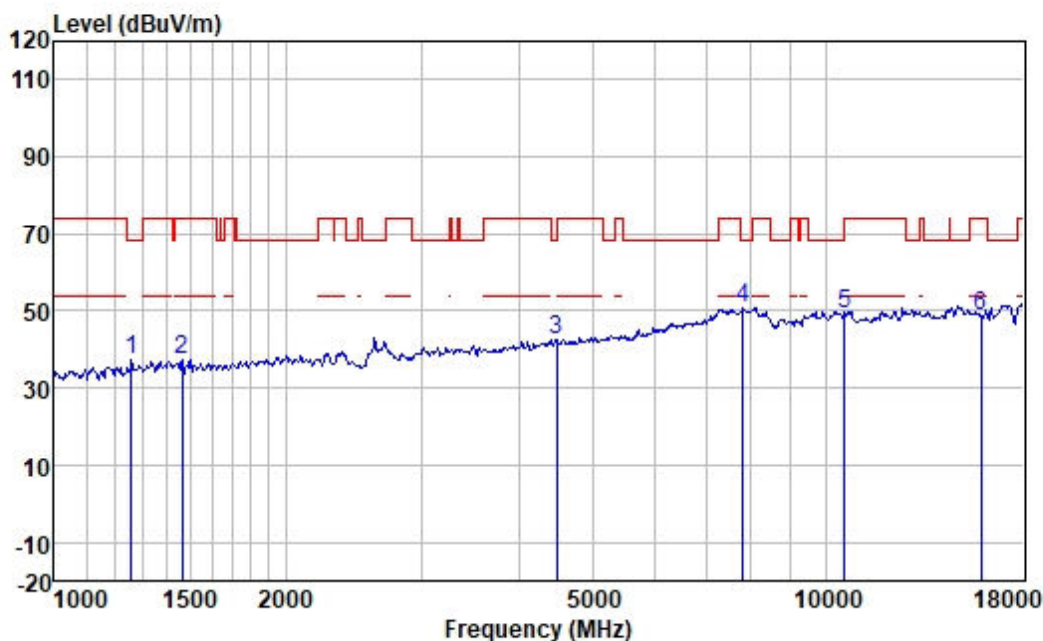
Test Mode: 05; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



|   |           | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   |           |        |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|-----------|--------|
|   | Freq      | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  | Pol/Phase | Remark |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |           |        |
| 1 | 1282.193  | 47.03       | 25.54  | 2.57  | 38.60  | 36.54  | 68.20  | -31.66 | VERTICAL  | peak   |
| 2 | 1663.137  | 47.38       | 26.10  | 2.81  | 38.06  | 38.23  | 74.00  | -35.77 | VERTICAL  | peak   |
| 3 | 4482.150  | 45.26       | 30.90  | 4.62  | 37.44  | 43.34  | 68.20  | -24.86 | VERTICAL  | peak   |
| 4 | 7898.049  | 45.35       | 37.16  | 6.18  | 37.20  | 51.49  | 68.20  | -16.71 | VERTICAL  | peak   |
| 5 | 10600.000 | 43.56       | 40.30  | 7.30  | 42.55  | 48.61  | 68.20  | -19.59 | VERTICAL  | peak   |
| 6 | 15900.000 | 43.67       | 38.54  | 9.52  | 43.32  | 48.41  | 74.00  | -25.59 | VERTICAL  | peak   |



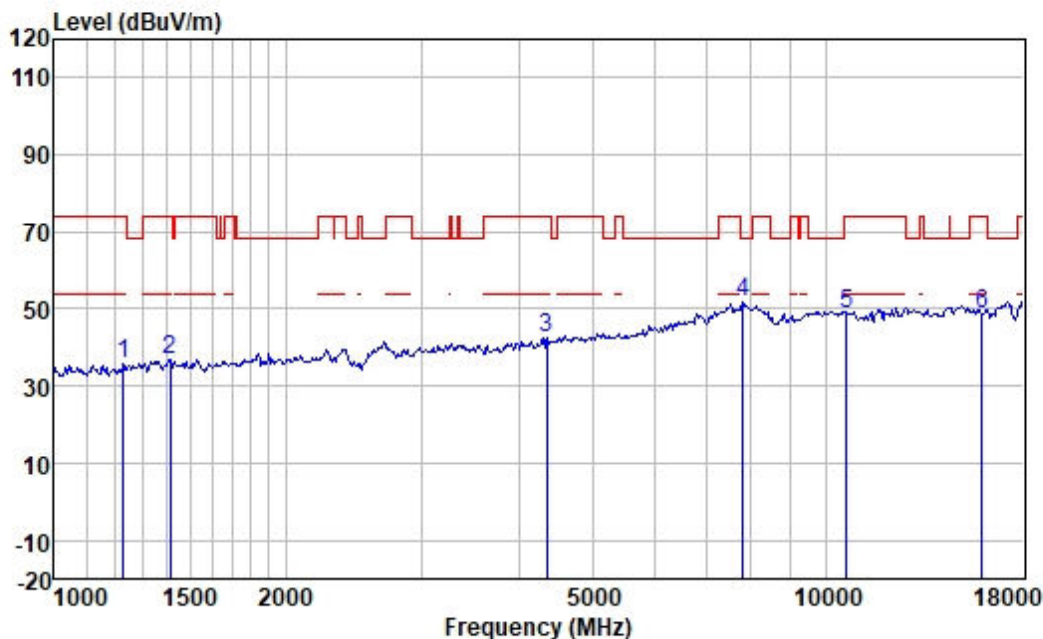
Test Mode: 05; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



|   |           | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   |            |        |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|------------|--------|
|   | Freq      | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  | Pol/Phase  | Remark |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |            |        |
| 1 | 1260.149  | 48.22       | 25.45  | 2.54  | 38.63  | 37.58  | 68.20  | -30.62 | HORIZONTAL | peak   |
| 2 | 1464.522  | 47.16       | 25.88  | 2.69  | 38.39  | 37.34  | 74.00  | -36.66 | HORIZONTAL | peak   |
| 3 | 4482.150  | 44.69       | 30.90  | 4.62  | 37.44  | 42.77  | 68.20  | -25.43 | HORIZONTAL | peak   |
| 4 | 7807.262  | 44.85       | 37.06  | 6.15  | 37.20  | 50.86  | 68.20  | -17.34 | HORIZONTAL | peak   |
| 5 | 10600.000 | 44.17       | 40.30  | 7.30  | 42.55  | 49.22  | 68.20  | -18.98 | HORIZONTAL | peak   |
| 6 | 15900.000 | 43.84       | 38.54  | 9.52  | 43.32  | 48.58  | 74.00  | -25.42 | HORIZONTAL | peak   |



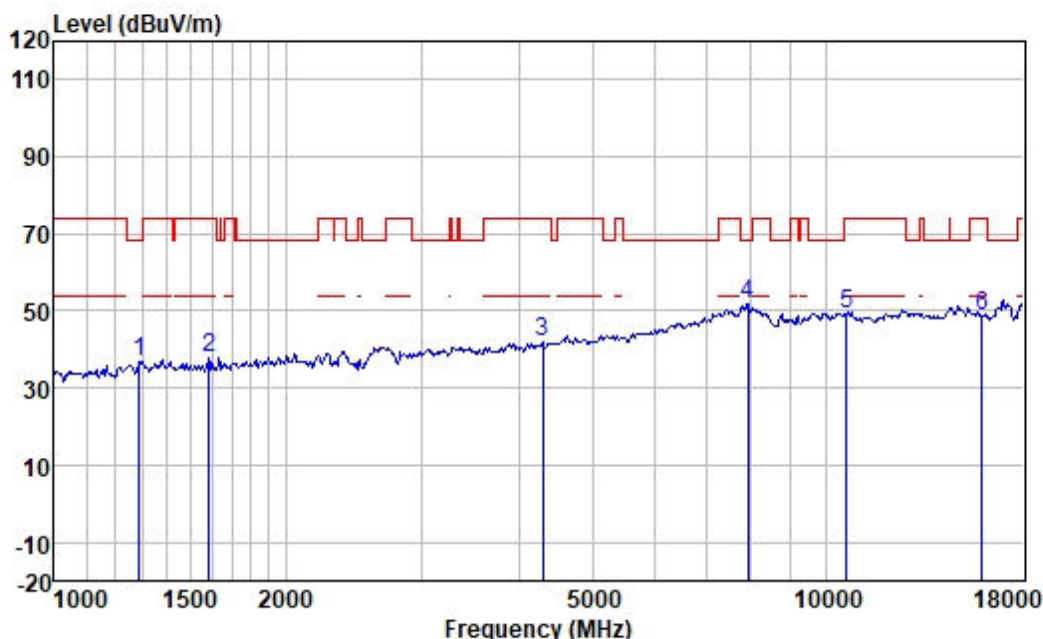
Test Mode: 05; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



|   |           | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   |           |        |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|-----------|--------|
|   | Freq      | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  | Pol/Phase | Remark |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |           |        |
| 1 | 1231.345  | 46.80       | 25.29  | 2.48  | 38.64  | 35.93  | 74.00  | -38.07 | VERTICAL  | peak   |
| 2 | 1414.597  | 46.95       | 25.82  | 2.67  | 38.47  | 36.97  | 74.00  | -37.03 | VERTICAL  | peak   |
| 3 | 4354.454  | 44.52       | 30.72  | 4.60  | 37.46  | 42.38  | 74.00  | -31.62 | VERTICAL  | peak   |
| 4 | 7807.262  | 45.93       | 37.06  | 6.15  | 37.20  | 51.94  | 68.20  | -16.26 | VERTICAL  | peak   |
| 5 | 10640.000 | 43.73       | 40.33  | 7.32  | 42.57  | 48.81  | 74.00  | -25.19 | VERTICAL  | peak   |
| 6 | 15960.000 | 44.17       | 38.41  | 9.55  | 43.24  | 48.89  | 74.00  | -25.11 | VERTICAL  | peak   |



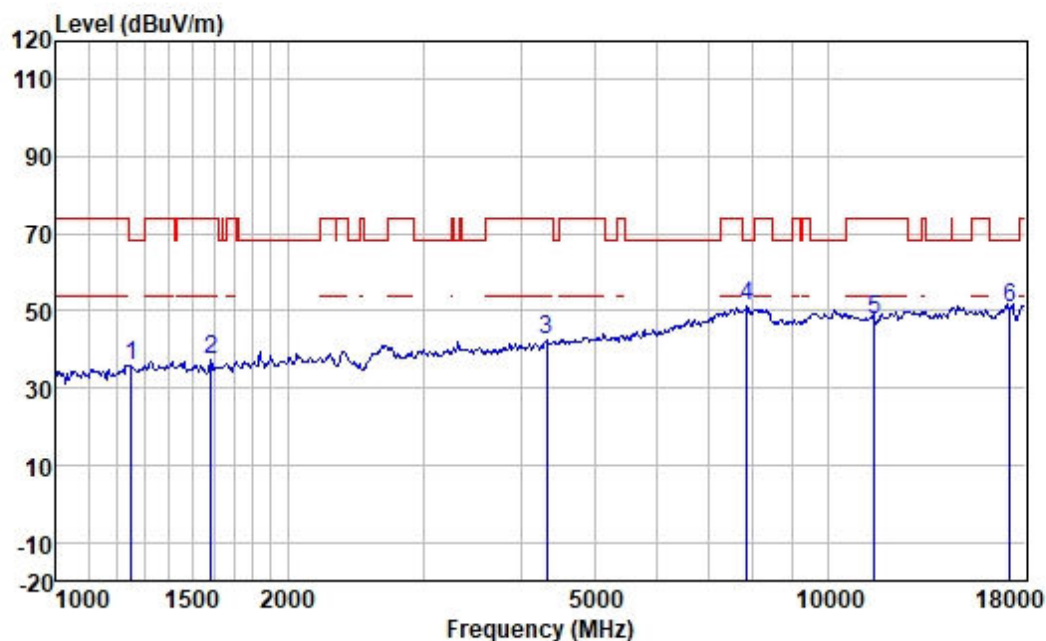
Test Mode: 05; Polarity: Horizontal; Modulation: 802.11ax(Full RU0); Bandwidth: 20MHz; Channel: High



|   |           | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   |            |        |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|------------|--------|
|   | Freq      | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  | Pol/Phase  | Remark |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |            |        |
| 1 | 1289.627  | 47.20       | 25.56  | 2.58  | 38.60  | 36.74  | 68.20  | -31.46 | HORIZONTAL | peak   |
| 2 | 1587.975  | 47.21       | 25.99  | 2.75  | 38.15  | 37.80  | 74.00  | -36.20 | HORIZONTAL | peak   |
| 3 | 4304.400  | 44.11       | 30.62  | 4.58  | 37.47  | 41.84  | 74.00  | -32.16 | HORIZONTAL | peak   |
| 4 | 7943.838  | 45.70       | 37.19  | 6.19  | 37.20  | 51.88  | 68.20  | -16.32 | HORIZONTAL | peak   |
| 5 | 10640.000 | 43.94       | 40.33  | 7.32  | 42.57  | 49.02  | 74.00  | -24.98 | HORIZONTAL | peak   |
| 6 | 15960.000 | 44.07       | 38.41  | 9.55  | 43.24  | 48.79  | 74.00  | -25.21 | HORIZONTAL | peak   |



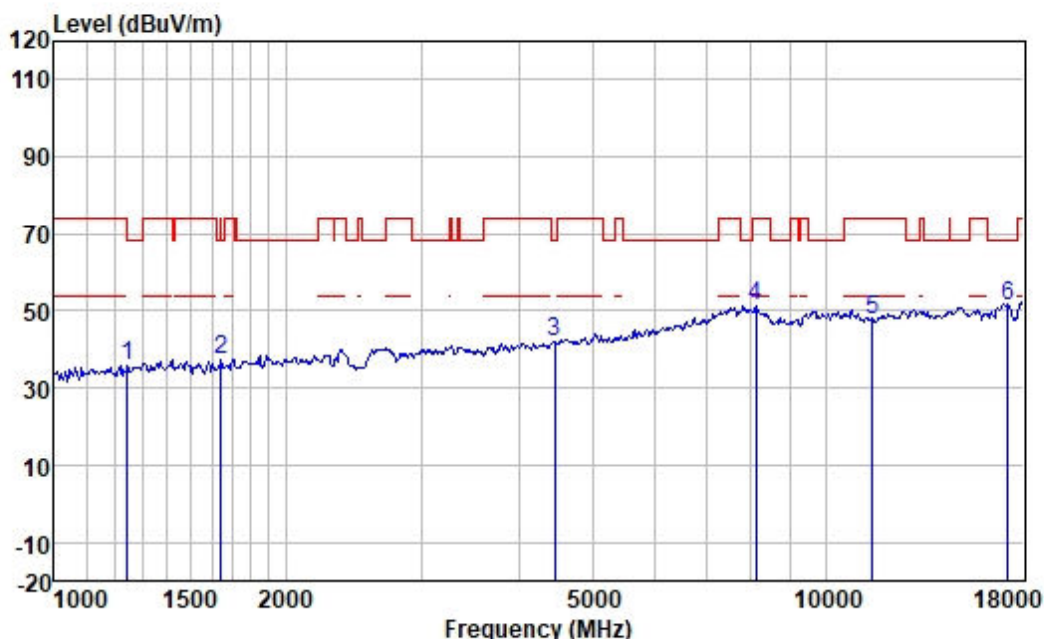
Test Mode: 07; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



|   |           | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   |           |        |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|-----------|--------|
|   | Freq      | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  | Pol/Phase | Remark |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |           |        |
| 1 | 1252.885  | 46.52       | 25.42  | 2.52  | 38.63  | 35.83  | 68.20  | -32.37 | VERTICAL  | peak   |
| 2 | 1587.975  | 46.69       | 25.99  | 2.75  | 38.15  | 37.28  | 74.00  | -36.72 | VERTICAL  | peak   |
| 3 | 4329.354  | 44.48       | 30.67  | 4.59  | 37.46  | 42.28  | 74.00  | -31.72 | VERTICAL  | peak   |
| 4 | 7852.524  | 45.22       | 37.11  | 6.16  | 37.20  | 51.29  | 68.20  | -16.91 | VERTICAL  | peak   |
| 5 | 11490.000 | 42.21       | 40.97  | 7.63  | 42.93  | 47.88  | 74.00  | -26.12 | VERTICAL  | peak   |
| 6 | 17235.000 | 44.17       | 42.86  | 9.50  | 45.83  | 50.70  | 68.20  | -17.50 | VERTICAL  | peak   |



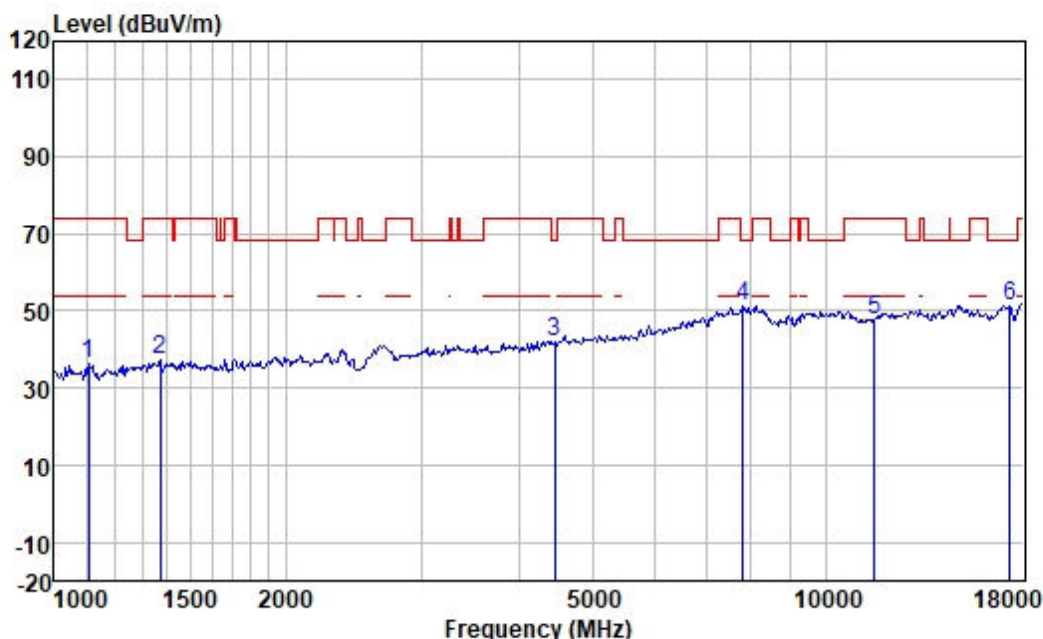
Test Mode: 07; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



|   | Freq      | ReadAntenna | Cable  | Preamp |        | Limit  | Over   |        |            |        |
|---|-----------|-------------|--------|--------|--------|--------|--------|--------|------------|--------|
|   |           | Level       | Factor | Loss   | Factor | Level  | Line   | Limit  | Pol/Phase  | Remark |
|   | MHz       | dBuV        | dB/m   | dB     | dB     | dBuV/m | dBuV/m | dB     |            |        |
| 1 | 1245.663  | 46.47       | 25.38  | 2.51   | 38.64  | 35.72  | 68.20  | -32.48 | HORIZONTAL | peak   |
| 2 | 1644.019  | 46.49       | 26.07  | 2.79   | 38.08  | 37.27  | 68.20  | -30.93 | HORIZONTAL | peak   |
| 3 | 4456.315  | 43.94       | 30.87  | 4.61   | 37.45  | 41.97  | 68.20  | -26.23 | HORIZONTAL | peak   |
| 4 | 8129.664  | 45.55       | 37.13  | 6.26   | 37.48  | 51.46  | 74.00  | -22.54 | HORIZONTAL | peak   |
| 5 | 11490.000 | 42.22       | 40.97  | 7.63   | 42.93  | 47.89  | 74.00  | -26.11 | HORIZONTAL | peak   |
| 6 | 17235.000 | 44.87       | 42.86  | 9.50   | 45.83  | 51.40  | 68.20  | -16.80 | HORIZONTAL | peak   |



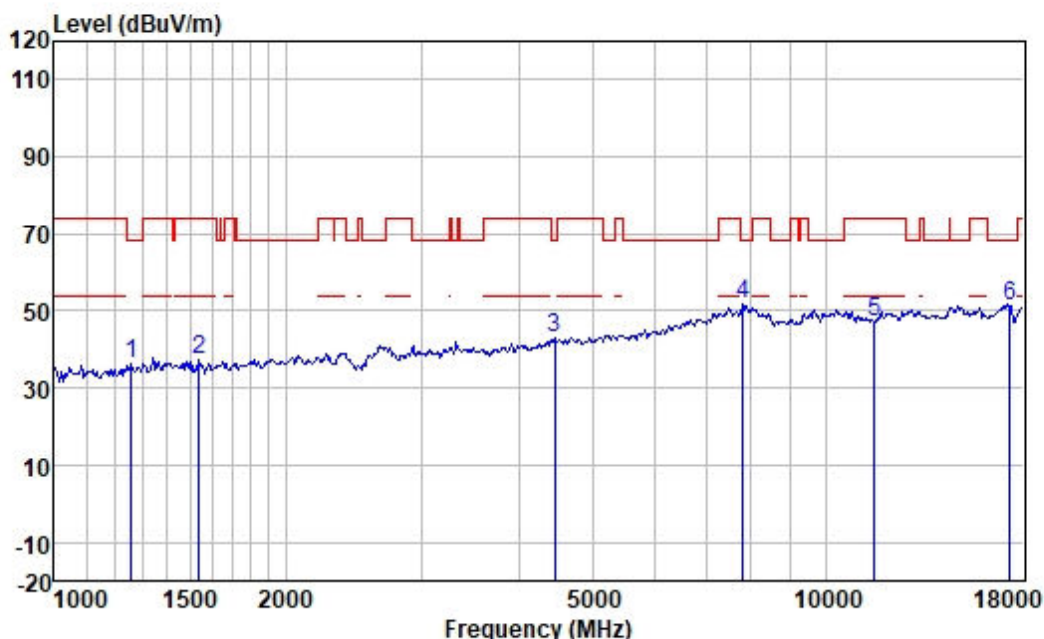
Test Mode: 07; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



|   |           | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   |           |        |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|-----------|--------|
|   | Freq      | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  | Pol/Phase | Remark |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |           |        |
| 1 | 1109.660  | 47.92       | 24.74  | 2.28  | 38.74  | 36.20  | 74.00  | -37.80 | VERTICAL  | peak   |
| 2 | 1374.295  | 47.32       | 25.76  | 2.64  | 38.51  | 37.21  | 74.00  | -36.79 | VERTICAL  | peak   |
| 3 | 4456.315  | 44.08       | 30.87  | 4.61  | 37.45  | 42.11  | 68.20  | -26.09 | VERTICAL  | peak   |
| 4 | 7807.262  | 45.36       | 37.06  | 6.15  | 37.20  | 51.37  | 68.20  | -16.83 | VERTICAL  | peak   |
| 5 | 11570.000 | 42.09       | 40.84  | 7.64  | 43.01  | 47.56  | 74.00  | -26.44 | VERTICAL  | peak   |
| 6 | 17355.000 | 45.48       | 43.35  | 9.53  | 47.04  | 51.32  | 68.20  | -16.88 | VERTICAL  | peak   |



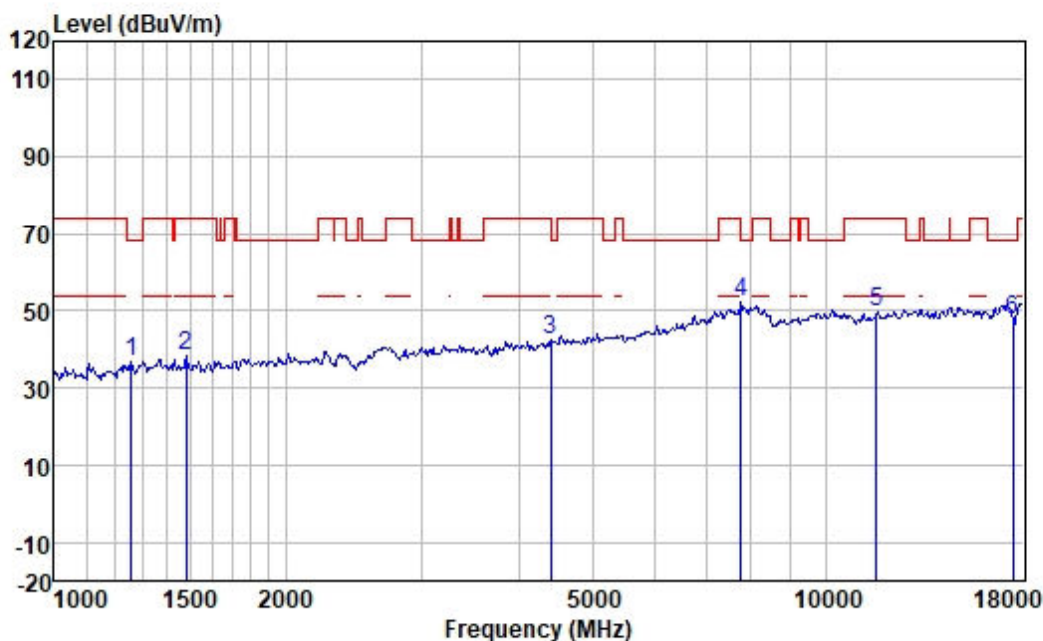
Test Mode: 07; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



|   |           | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   |            |        |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|------------|--------|
|   | Freq      | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  | Pol/Phase  | Remark |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |            |        |
| 1 | 1260.149  | 46.84       | 25.45  | 2.54  | 38.63  | 36.20  | 68.20  | -32.00 | HORIZONTAL | peak   |
| 2 | 1542.733  | 46.67       | 25.95  | 2.72  | 38.23  | 37.11  | 74.00  | -36.89 | HORIZONTAL | peak   |
| 3 | 4456.315  | 45.15       | 30.87  | 4.61  | 37.45  | 43.18  | 68.20  | -25.02 | HORIZONTAL | peak   |
| 4 | 7807.262  | 45.92       | 37.06  | 6.15  | 37.20  | 51.93  | 68.20  | -16.27 | HORIZONTAL | peak   |
| 5 | 11570.000 | 41.60       | 40.84  | 7.64  | 43.01  | 47.07  | 74.00  | -26.93 | HORIZONTAL | peak   |
| 6 | 17355.000 | 45.54       | 43.35  | 9.53  | 47.04  | 51.38  | 68.20  | -16.82 | HORIZONTAL | peak   |



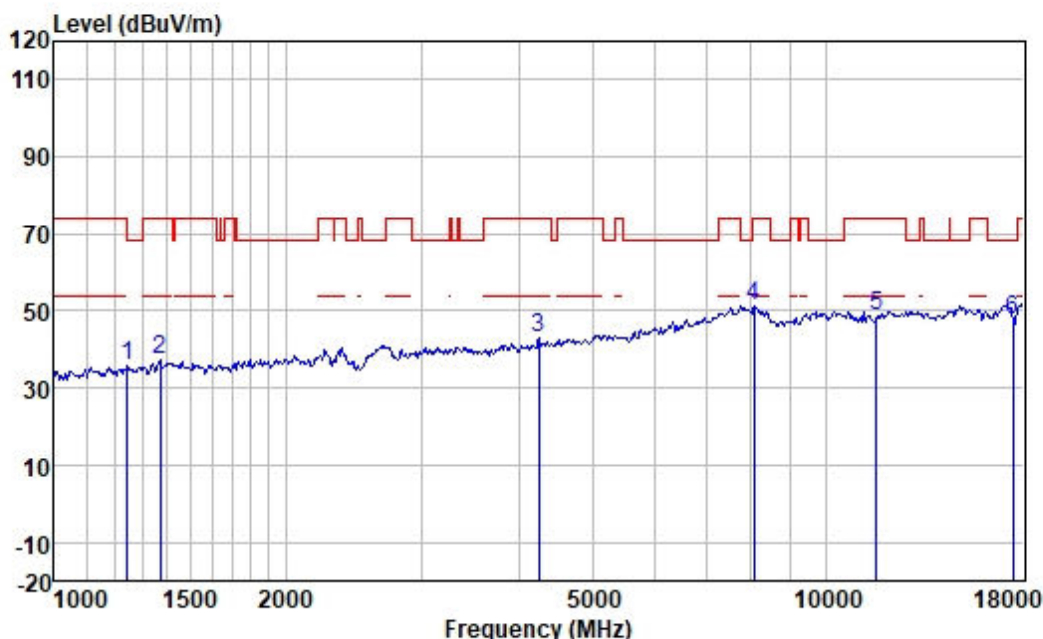
Test Mode: 07; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



|   |           | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   |           |        |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|-----------|--------|
|   | Freq      | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  | Pol/Phase | Remark |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |           |        |
| 1 | 1260.149  | 47.51       | 25.45  | 2.54  | 38.63  | 36.87  | 68.20  | -31.33 | VERTICAL  | peak   |
| 2 | 1481.553  | 48.27       | 25.89  | 2.69  | 38.37  | 38.48  | 74.00  | -35.52 | VERTICAL  | peak   |
| 3 | 4405.090  | 44.50       | 30.80  | 4.61  | 37.46  | 42.45  | 68.20  | -25.75 | VERTICAL  | peak   |
| 4 | 7762.260  | 46.21       | 37.00  | 6.13  | 37.19  | 52.15  | 68.20  | -16.05 | VERTICAL  | peak   |
| 5 | 11650.000 | 44.51       | 40.69  | 7.66  | 43.06  | 49.80  | 74.00  | -24.20 | VERTICAL  | peak   |
| 6 | 17475.000 | 43.05       | 43.94  | 9.57  | 48.85  | 47.71  | 68.20  | -20.49 | VERTICAL  | peak   |



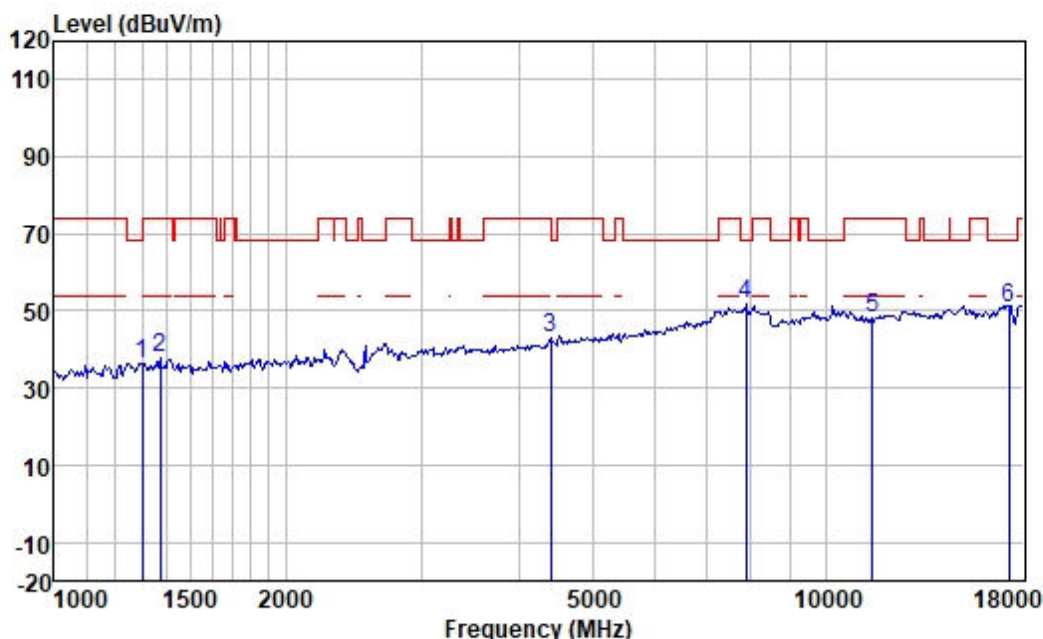
Test Mode: 07; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



|   | Freq      | ReadAntenna | Cable | Preamp |       | Limit  | Over   |           |                 |
|---|-----------|-------------|-------|--------|-------|--------|--------|-----------|-----------------|
|   | Level     | Factor      | Loss  | Factor | Level | Line   | Limit  | Pol/Phase | Remark          |
|   | MHz       | dBuV        | dB/m  | dB     | dB    | dBuV/m | dBuV/m | dB        |                 |
| 1 | 1245.663  | 46.49       | 25.38 | 2.51   | 38.64 | 35.74  | 68.20  | -32.46    | HORIZONTAL peak |
| 2 | 1374.295  | 47.30       | 25.76 | 2.64   | 38.51 | 37.19  | 74.00  | -36.81    | HORIZONTAL peak |
| 3 | 4254.921  | 45.36       | 30.49 | 4.57   | 37.47 | 42.95  | 74.00  | -31.05    | HORIZONTAL peak |
| 4 | 8082.804  | 45.27       | 37.17 | 6.24   | 37.39 | 51.29  | 74.00  | -22.71    | HORIZONTAL peak |
| 5 | 11650.000 | 43.17       | 40.69 | 7.66   | 43.06 | 48.46  | 74.00  | -25.54    | HORIZONTAL peak |
| 6 | 17475.000 | 42.81       | 43.94 | 9.57   | 48.85 | 47.47  | 68.20  | -20.73    | HORIZONTAL peak |



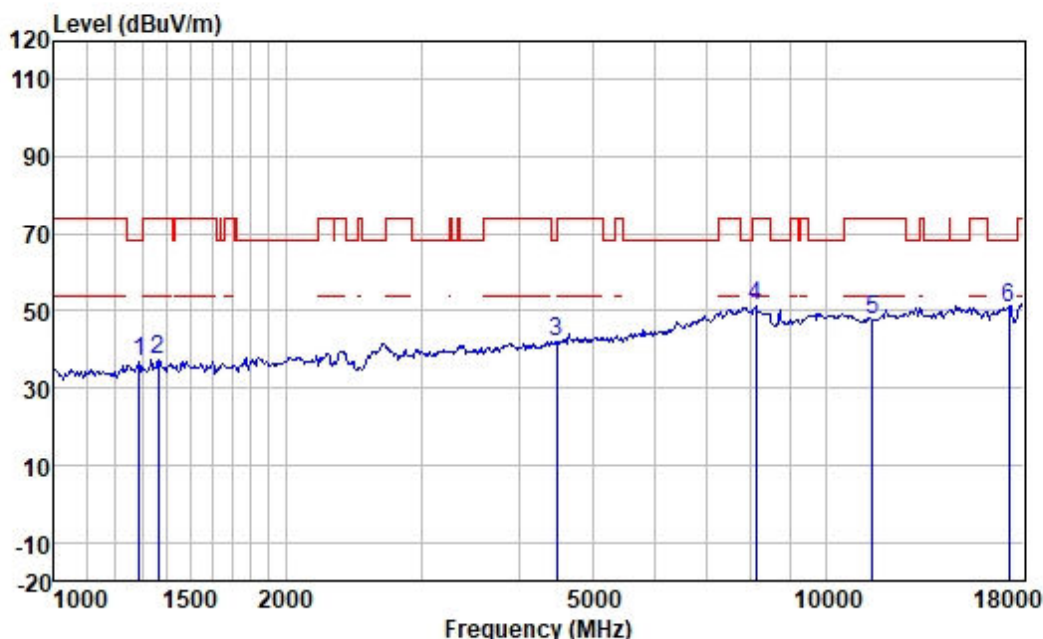
Test Mode: 07; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



|   |           | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   |           |        |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|-----------|--------|
|   | Freq      | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  | Pol/Phase | Remark |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |           |        |
| 1 | 1300.858  | 46.83       | 25.60  | 2.59  | 38.58  | 36.44  | 74.00  | -37.56 | VERTICAL  | peak   |
| 2 | 1374.295  | 47.78       | 25.76  | 2.64  | 38.51  | 37.67  | 74.00  | -36.33 | VERTICAL  | peak   |
| 3 | 4405.090  | 44.84       | 30.80  | 4.61  | 37.46  | 42.79  | 68.20  | -25.41 | VERTICAL  | peak   |
| 4 | 7898.049  | 45.73       | 37.16  | 6.18  | 37.20  | 51.87  | 68.20  | -16.33 | VERTICAL  | peak   |
| 5 | 11510.000 | 42.34       | 40.97  | 7.63  | 42.95  | 47.99  | 74.00  | -26.01 | VERTICAL  | peak   |
| 6 | 17265.000 | 44.22       | 43.12  | 9.52  | 46.14  | 50.72  | 68.20  | -17.48 | VERTICAL  | peak   |



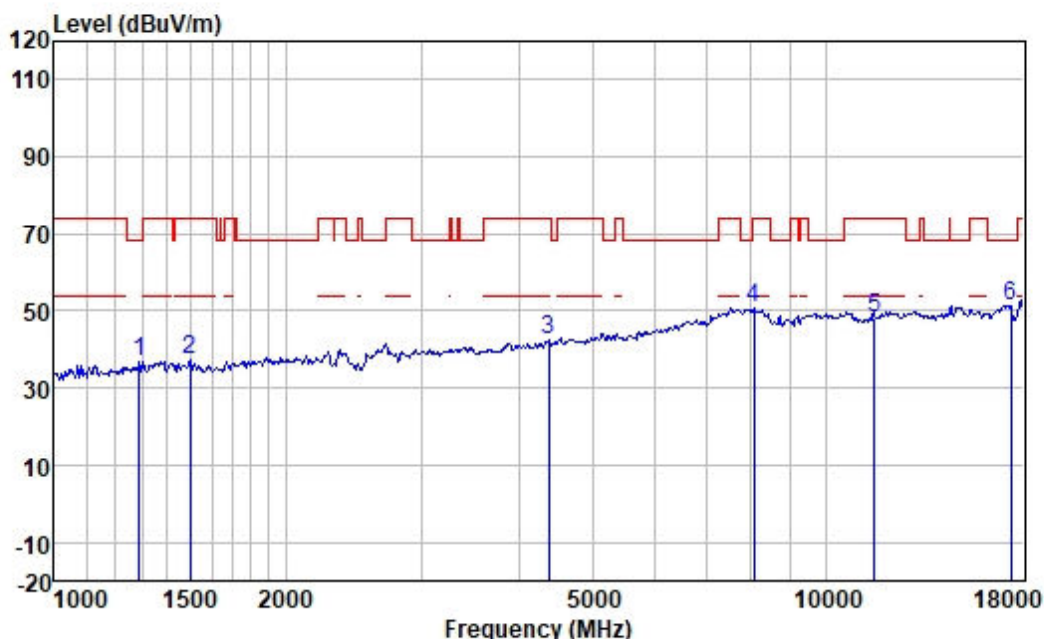
Test Mode: 07; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



|   |           | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   |            |        |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|------------|--------|
|   | Freq      | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  | Pol/Phase  | Remark |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |            |        |
| 1 | 1289.627  | 47.22       | 25.56  | 2.58  | 38.60  | 36.76  | 68.20  | -31.44 | HORIZONTAL | peak   |
| 2 | 1366.374  | 47.72       | 25.74  | 2.64  | 38.51  | 37.59  | 74.00  | -36.41 | HORIZONTAL | peak   |
| 3 | 4482.150  | 43.79       | 30.90  | 4.62  | 37.44  | 41.87  | 68.20  | -26.33 | HORIZONTAL | peak   |
| 4 | 8129.664  | 45.34       | 37.13  | 6.26  | 37.48  | 51.25  | 74.00  | -22.75 | HORIZONTAL | peak   |
| 5 | 11510.000 | 42.19       | 40.97  | 7.63  | 42.95  | 47.84  | 74.00  | -26.16 | HORIZONTAL | peak   |
| 6 | 17265.000 | 44.42       | 43.12  | 9.52  | 46.14  | 50.92  | 68.20  | -17.28 | HORIZONTAL | peak   |



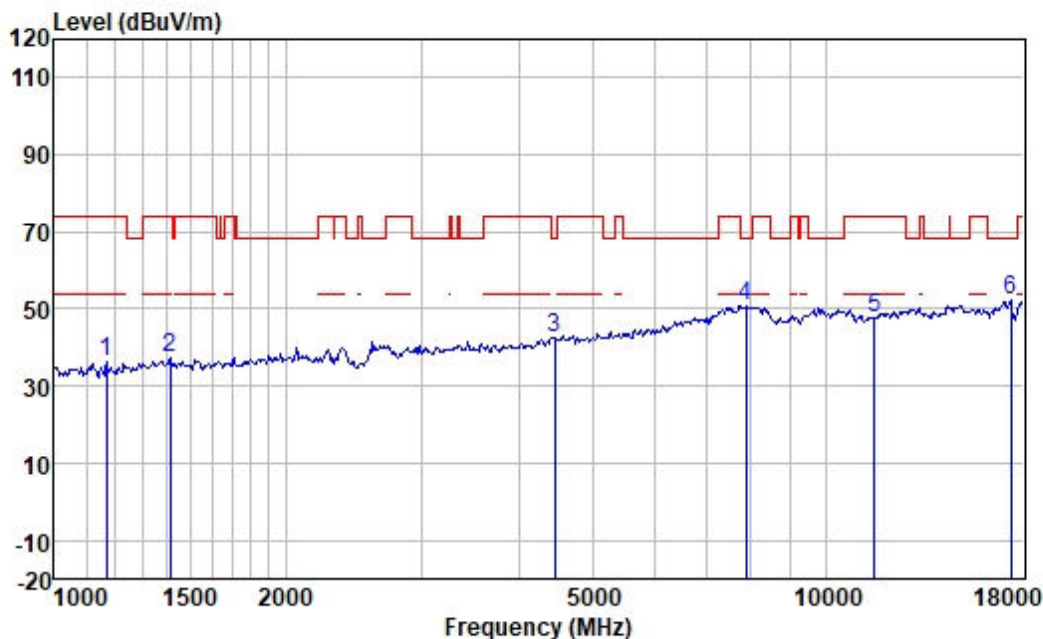
Test Mode: 07; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



|   | Freq      | ReadAntenna | Cable  | Preamp |        | Limit  | Over   |        |           |        |
|---|-----------|-------------|--------|--------|--------|--------|--------|--------|-----------|--------|
|   |           | Level       | Factor | Loss   | Factor | Level  | Line   | Limit  | Pol/Phase | Remark |
|   | MHz       | dBuV        | dB/m   | dB     | dB     | dBuV/m | dBuV/m | dB     |           |        |
| 1 | 1289.627  | 47.21       | 25.56  | 2.58   | 38.60  | 36.75  | 68.20  | -31.45 | VERTICAL  | peak   |
| 2 | 1498.781  | 46.84       | 25.91  | 2.70   | 38.33  | 37.12  | 74.00  | -36.88 | VERTICAL  | peak   |
| 3 | 4379.699  | 44.42       | 30.76  | 4.60   | 37.46  | 42.32  | 74.00  | -31.68 | VERTICAL  | peak   |
| 4 | 8082.804  | 44.97       | 37.17  | 6.24   | 37.39  | 50.99  | 74.00  | -23.01 | VERTICAL  | peak   |
| 5 | 11590.000 | 42.71       | 40.77  | 7.65   | 43.02  | 48.11  | 74.00  | -25.89 | VERTICAL  | peak   |
| 6 | 17385.000 | 45.45       | 43.56  | 9.55   | 47.47  | 51.09  | 68.20  | -17.11 | VERTICAL  | peak   |



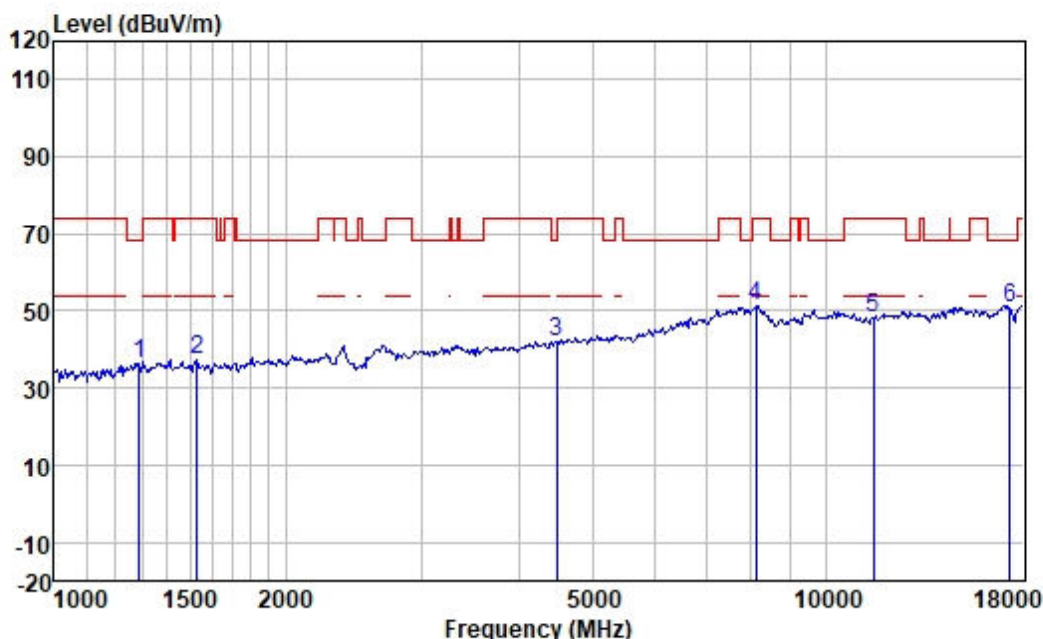
Test Mode: 07; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



|   | Freq      | ReadAntenna | Cable | Preamp |       | Limit  | Over   |           |                 |
|---|-----------|-------------|-------|--------|-------|--------|--------|-----------|-----------------|
|   | Level     | Factor      | Loss  | Factor | Level | Line   | Limit  | Pol/Phase | Remark          |
|   | MHz       | dBuV        | dB/m  | dB     | dB    | dBuV/m | dBuV/m | dB        |                 |
| 1 | 1168.920  | 47.63       | 24.91 | 2.34   | 38.70 | 36.18  | 74.00  | -37.82    | HORIZONTAL peak |
| 2 | 1414.597  | 47.28       | 25.82 | 2.67   | 38.47 | 37.30  | 74.00  | -36.70    | HORIZONTAL peak |
| 3 | 4456.315  | 44.54       | 30.87 | 4.61   | 37.45 | 42.57  | 68.20  | -25.63    | HORIZONTAL peak |
| 4 | 7898.049  | 44.64       | 37.16 | 6.18   | 37.20 | 50.78  | 68.20  | -17.42    | HORIZONTAL peak |
| 5 | 11590.000 | 42.32       | 40.77 | 7.65   | 43.02 | 47.72  | 74.00  | -26.28    | HORIZONTAL peak |
| 6 | 17385.000 | 46.52       | 43.56 | 9.55   | 47.47 | 52.16  | 68.20  | -16.04    | HORIZONTAL peak |



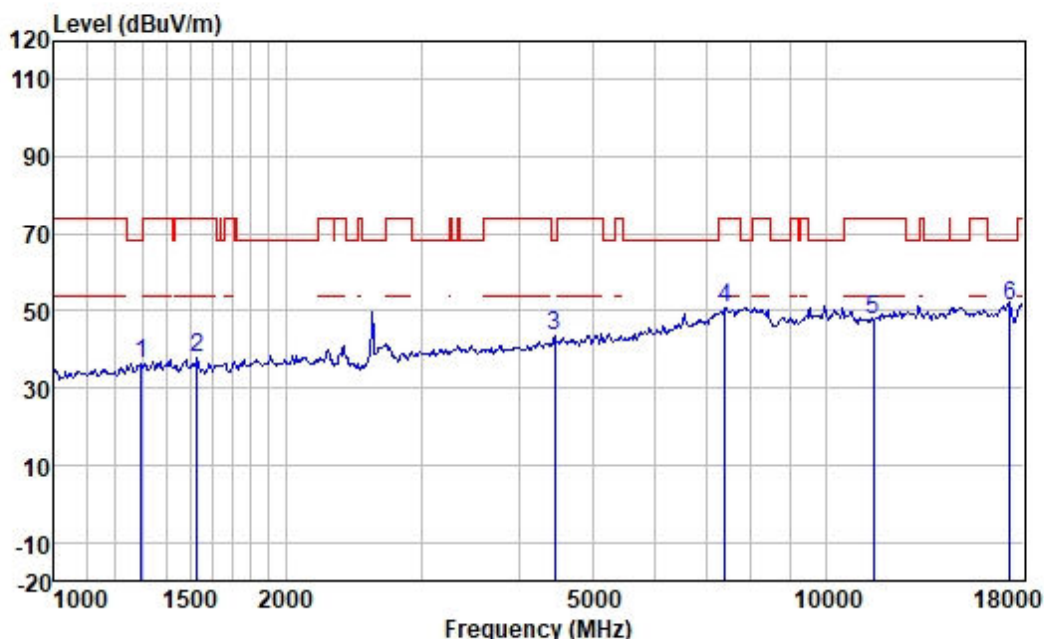
Test Mode: 07; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



|   |           | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   |           |        |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|-----------|--------|
|   | Freq      | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  | Pol/Phase | Remark |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |           |        |
| 1 | 1289.627  | 46.96       | 25.56  | 2.58  | 38.60  | 36.50  | 68.20  | -31.70 | VERTICAL  | peak   |
| 2 | 1533.841  | 46.76       | 25.94  | 2.72  | 38.26  | 37.16  | 74.00  | -36.84 | VERTICAL  | peak   |
| 3 | 4482.150  | 43.87       | 30.90  | 4.62  | 37.44  | 41.95  | 68.20  | -26.25 | VERTICAL  | peak   |
| 4 | 8129.664  | 45.33       | 37.13  | 6.26  | 37.48  | 51.24  | 74.00  | -22.76 | VERTICAL  | peak   |
| 5 | 11550.000 | 42.74       | 40.91  | 7.64  | 43.00  | 48.29  | 74.00  | -25.71 | VERTICAL  | peak   |
| 6 | 17325.000 | 44.34       | 43.35  | 9.53  | 46.65  | 50.57  | 68.20  | -17.63 | VERTICAL  | peak   |



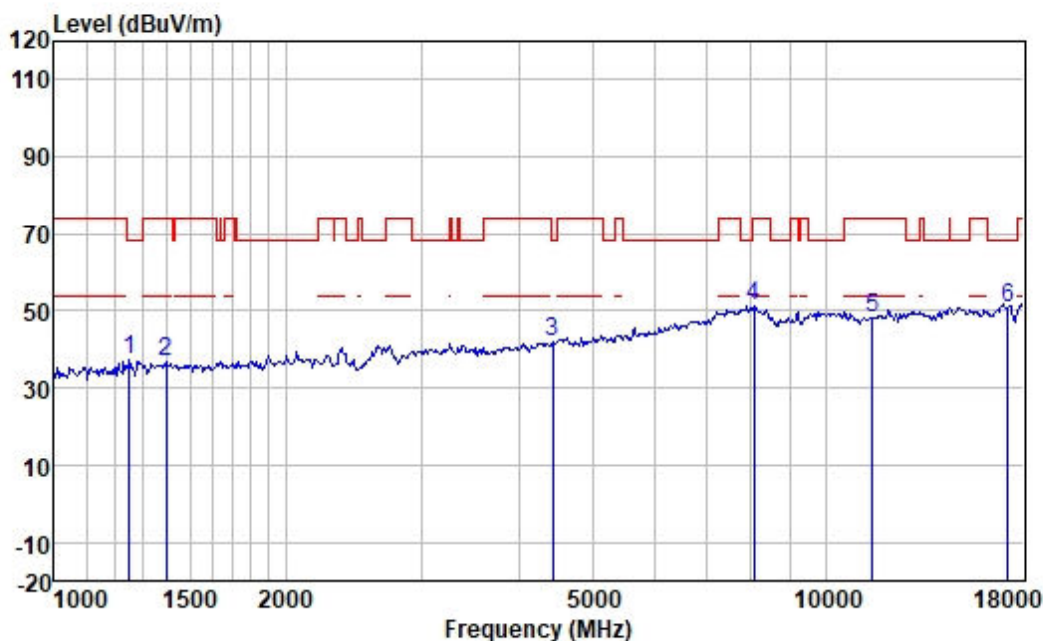
Test Mode: 07; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



|   |           | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   |            |        |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|------------|--------|
|   | Freq      | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  | Pol/Phase  | Remark |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |            |        |
| 1 | 1297.103  | 46.71       | 25.59  | 2.58  | 38.60  | 36.28  | 68.20  | -31.92 | HORIZONTAL | peak   |
| 2 | 1533.841  | 47.31       | 25.94  | 2.72  | 38.26  | 37.71  | 74.00  | -36.29 | HORIZONTAL | peak   |
| 3 | 4456.315  | 45.40       | 30.87  | 4.61  | 37.45  | 43.43  | 68.20  | -24.77 | HORIZONTAL | peak   |
| 4 | 7411.461  | 45.66       | 36.52  | 6.01  | 37.18  | 51.01  | 74.00  | -22.99 | HORIZONTAL | peak   |
| 5 | 11550.000 | 42.10       | 40.91  | 7.64  | 43.00  | 47.65  | 74.00  | -26.35 | HORIZONTAL | peak   |
| 6 | 17325.000 | 45.30       | 43.35  | 9.53  | 46.65  | 51.53  | 68.20  | -16.67 | HORIZONTAL | peak   |



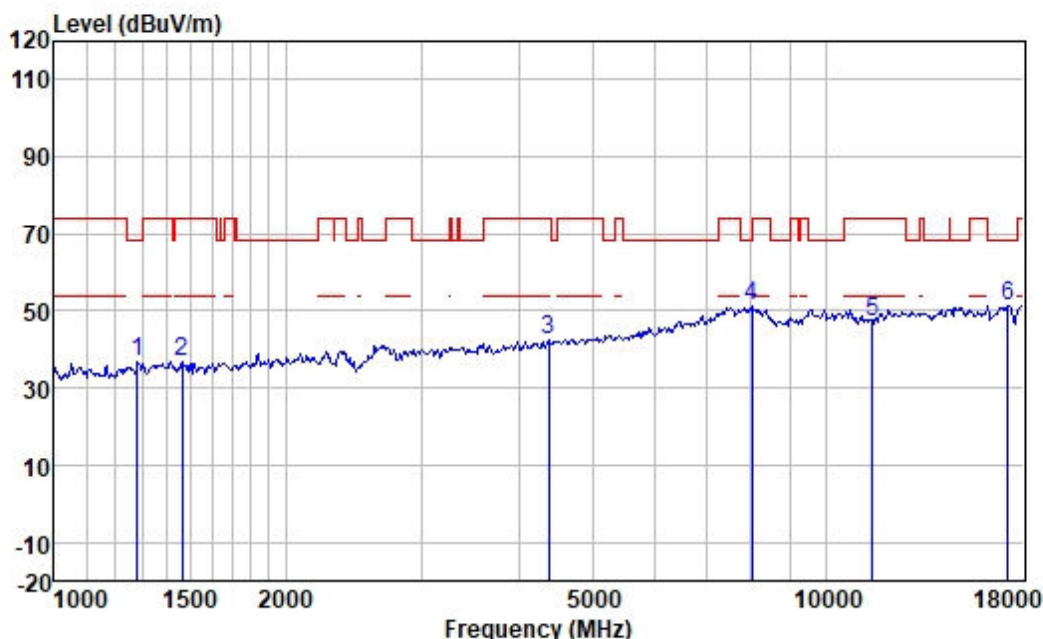
Test Mode: 07; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



|   |           | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   |           |        |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|-----------|--------|
|   | Freq      | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  | Pol/Phase | Remark |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |           |        |
| 1 | 1252.885  | 48.13       | 25.42  | 2.52  | 38.63  | 37.44  | 68.20  | -30.76 | VERTICAL  | peak   |
| 2 | 1398.336  | 46.84       | 25.79  | 2.66  | 38.49  | 36.80  | 74.00  | -37.20 | VERTICAL  | peak   |
| 3 | 4430.628  | 44.06       | 30.83  | 4.61  | 37.45  | 42.05  | 68.20  | -26.15 | VERTICAL  | peak   |
| 4 | 8082.804  | 45.40       | 37.17  | 6.24  | 37.39  | 51.42  | 74.00  | -22.58 | VERTICAL  | peak   |
| 5 | 11490.000 | 42.40       | 40.97  | 7.63  | 42.93  | 48.07  | 74.00  | -25.93 | VERTICAL  | peak   |
| 6 | 17235.000 | 44.19       | 42.86  | 9.50  | 45.83  | 50.72  | 68.20  | -17.48 | VERTICAL  | peak   |



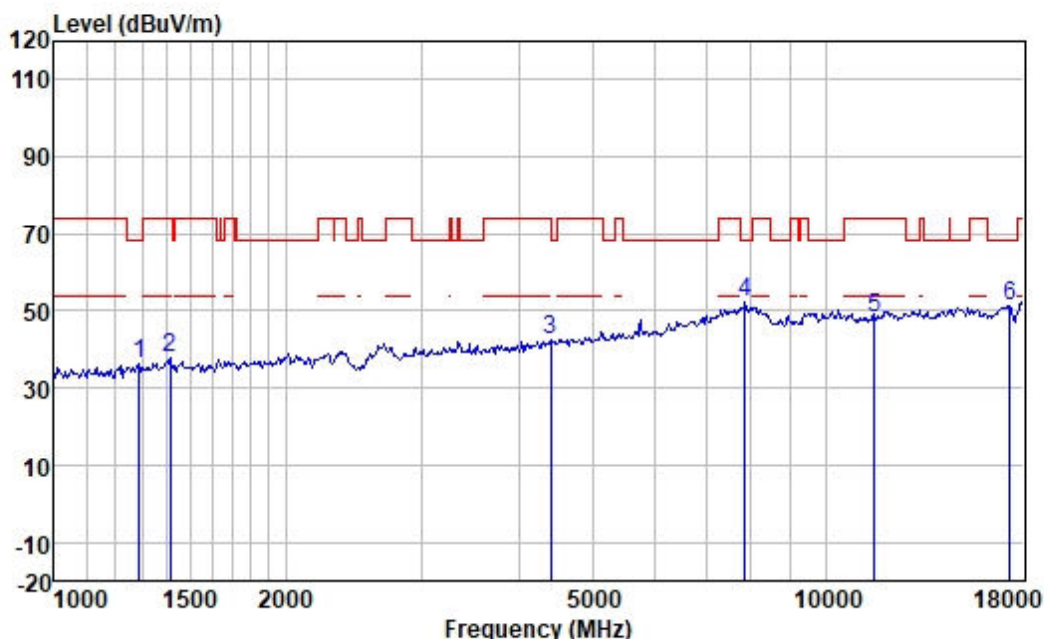
Test Mode: 07; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



|   |           | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   |            |        |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|------------|--------|
|   | Freq      | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  | Pol/Phase  | Remark |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |            |        |
| 1 | 1282.193  | 47.12       | 25.54  | 2.57  | 38.60  | 36.63  | 68.20  | -31.57 | HORIZONTAL | peak   |
| 2 | 1464.522  | 46.56       | 25.88  | 2.69  | 38.39  | 36.74  | 74.00  | -37.26 | HORIZONTAL | peak   |
| 3 | 4379.699  | 44.73       | 30.76  | 4.60  | 37.46  | 42.63  | 74.00  | -31.37 | HORIZONTAL | peak   |
| 4 | 8036.214  | 44.98       | 37.20  | 6.22  | 37.27  | 51.13  | 74.00  | -22.87 | HORIZONTAL | peak   |
| 5 | 11490.000 | 41.41       | 40.97  | 7.63  | 42.93  | 47.08  | 74.00  | -26.92 | HORIZONTAL | peak   |
| 6 | 17235.000 | 44.76       | 42.86  | 9.50  | 45.83  | 51.29  | 68.20  | -16.91 | HORIZONTAL | peak   |



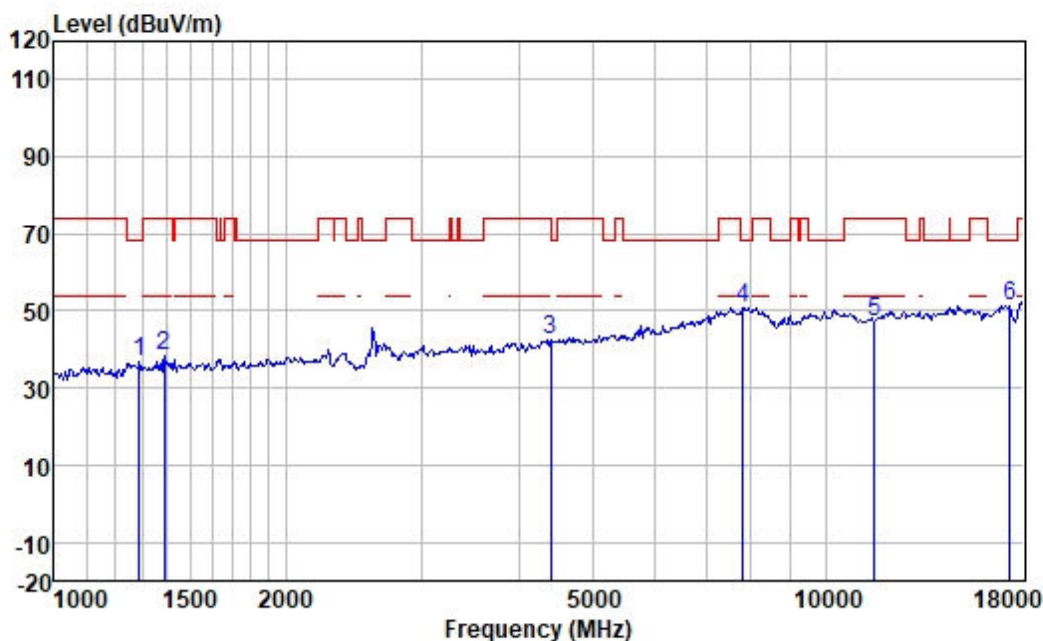
Test Mode: 07; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



|   | Freq      | ReadAntenna | Cable  | Preamp |        | Limit  | Over   |        |           |        |
|---|-----------|-------------|--------|--------|--------|--------|--------|--------|-----------|--------|
|   |           | Level       | Factor | Loss   | Factor | Level  | Line   | Limit  | Pol/Phase | Remark |
|   | MHz       | dBuV        | dB/m   | dB     | dB     | dBuV/m | dBuV/m | dB     |           |        |
| 1 | 1289.627  | 46.60       | 25.56  | 2.58   | 38.60  | 36.14  | 68.20  | -32.06 | VERTICAL  | peak   |
| 2 | 1414.597  | 48.01       | 25.82  | 2.67   | 38.47  | 38.03  | 74.00  | -35.97 | VERTICAL  | peak   |
| 3 | 4405.090  | 44.41       | 30.80  | 4.61   | 37.46  | 42.36  | 68.20  | -25.84 | VERTICAL  | peak   |
| 4 | 7852.524  | 46.15       | 37.11  | 6.16   | 37.20  | 52.22  | 68.20  | -15.98 | VERTICAL  | peak   |
| 5 | 11570.000 | 42.81       | 40.84  | 7.64   | 43.01  | 48.28  | 74.00  | -25.72 | VERTICAL  | peak   |
| 6 | 17355.000 | 45.53       | 43.35  | 9.53   | 47.04  | 51.37  | 68.20  | -16.83 | VERTICAL  | peak   |



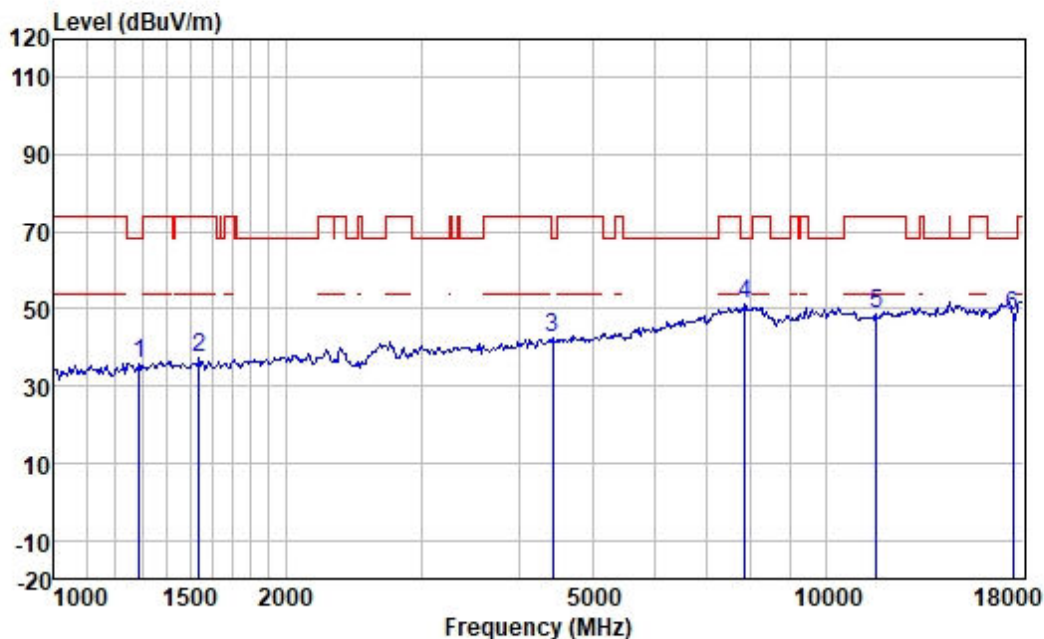
Test Mode: 07; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



|   | Freq      | ReadAntenna | Cable | Preamp |       | Limit  | Over   |           |                 |
|---|-----------|-------------|-------|--------|-------|--------|--------|-----------|-----------------|
|   | Level     | Factor      | Loss  | Factor | Level | Line   | Limit  | Pol/Phase | Remark          |
|   | MHz       | dBuV        | dB/m  | dB     | dB    | dBuV/m | dBuV/m | dB        |                 |
| 1 | 1289.627  | 47.09       | 25.56 | 2.58   | 38.60 | 36.63  | 68.20  | -31.57    | HORIZONTAL peak |
| 2 | 1390.276  | 48.29       | 25.78 | 2.65   | 38.49 | 38.23  | 74.00  | -35.77    | HORIZONTAL peak |
| 3 | 4405.090  | 44.60       | 30.80 | 4.61   | 37.46 | 42.55  | 68.20  | -25.65    | HORIZONTAL peak |
| 4 | 7807.262  | 44.80       | 37.06 | 6.15   | 37.20 | 50.81  | 68.20  | -17.39    | HORIZONTAL peak |
| 5 | 11570.000 | 41.79       | 40.84 | 7.64   | 43.01 | 47.26  | 74.00  | -26.74    | HORIZONTAL peak |
| 6 | 17355.000 | 45.26       | 43.35 | 9.53   | 47.04 | 51.10  | 68.20  | -17.10    | HORIZONTAL peak |



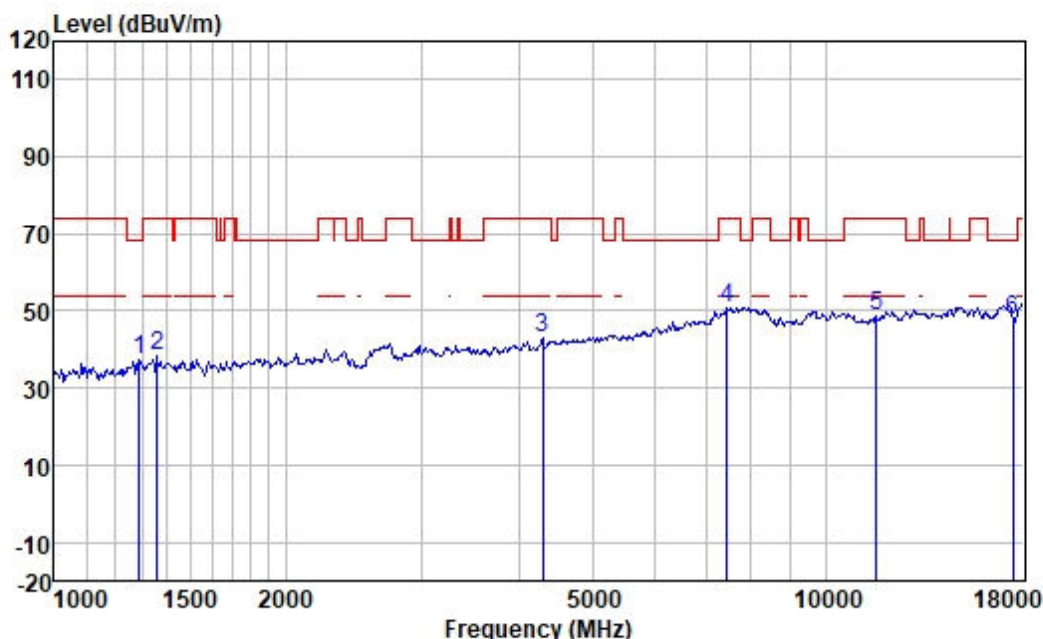
Test Mode: 07; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



|   |           | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   |           |        |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|-----------|--------|
|   | Freq      | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  | Pol/Phase | Remark |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |           |        |
| 1 | 1289.627  | 46.33       | 25.56  | 2.58  | 38.60  | 35.87  | 68.20  | -32.33 | VERTICAL  | peak   |
| 2 | 1542.733  | 46.74       | 25.95  | 2.72  | 38.23  | 37.18  | 74.00  | -36.82 | VERTICAL  | peak   |
| 3 | 4430.628  | 44.59       | 30.83  | 4.61  | 37.45  | 42.58  | 68.20  | -25.62 | VERTICAL  | peak   |
| 4 | 7852.524  | 45.28       | 37.11  | 6.16  | 37.20  | 51.35  | 68.20  | -16.85 | VERTICAL  | peak   |
| 5 | 11650.000 | 43.30       | 40.69  | 7.66  | 43.06  | 48.59  | 74.00  | -25.41 | VERTICAL  | peak   |
| 6 | 17475.000 | 43.42       | 43.94  | 9.57  | 48.85  | 48.08  | 68.20  | -20.12 | VERTICAL  | peak   |



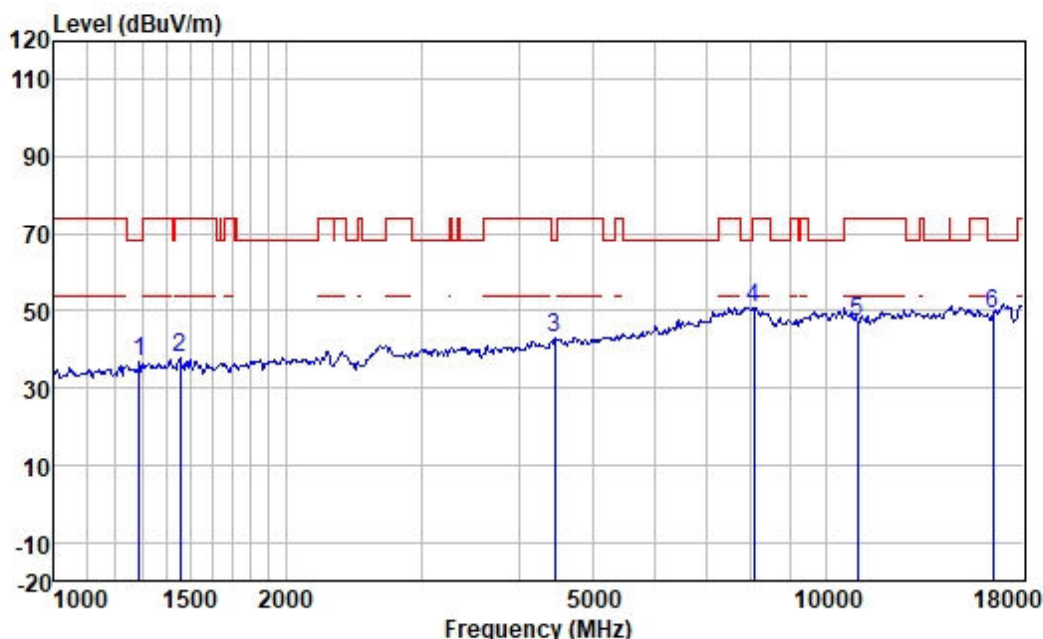
Test Mode: 07; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



|   | Freq      | ReadAntenna | Cable | Preamp |       | Limit  | Over   |           |                 |
|---|-----------|-------------|-------|--------|-------|--------|--------|-----------|-----------------|
|   | Level     | Factor      | Loss  | Factor | Level | Line   | Limit  | Pol/Phase | Remark          |
|   | MHz       | dBuV        | dB/m  | dB     | dB    | dBuV/m | dBuV/m | dB        |                 |
| 1 | 1289.627  | 47.75       | 25.56 | 2.58   | 38.60 | 37.29  | 68.20  | -30.91    | HORIZONTAL peak |
| 2 | 1358.498  | 48.44       | 25.73 | 2.63   | 38.53 | 38.27  | 74.00  | -35.73    | HORIZONTAL peak |
| 3 | 4304.400  | 45.26       | 30.62 | 4.58   | 37.47 | 42.99  | 74.00  | -31.01    | HORIZONTAL peak |
| 4 | 7454.429  | 45.46       | 36.62 | 6.02   | 37.18 | 50.92  | 74.00  | -23.08    | HORIZONTAL peak |
| 5 | 11650.000 | 43.48       | 40.69 | 7.66   | 43.06 | 48.77  | 74.00  | -25.23    | HORIZONTAL peak |
| 6 | 17475.000 | 43.01       | 43.94 | 9.57   | 48.85 | 47.67  | 68.20  | -20.53    | HORIZONTAL peak |



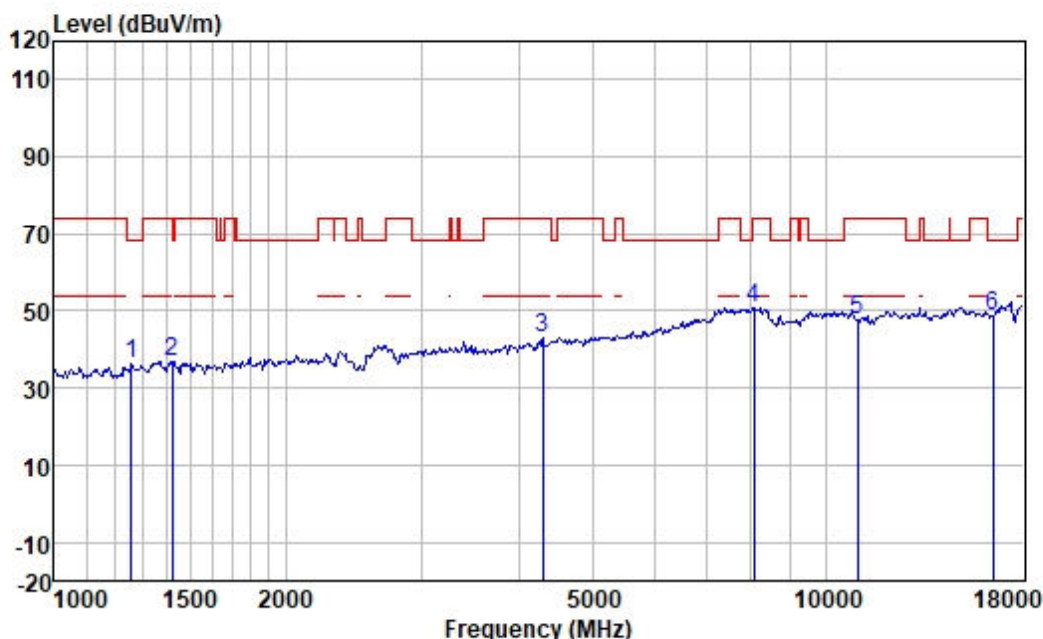
Test Mode: 06; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



|   |  | Freq      | ReadAntenna<br>Level Factor | Cable<br>Loss | Preamp<br>Factor | Level | Limit<br>Line | Over<br>Limit | Pol/Phase | Remark          |
|---|--|-----------|-----------------------------|---------------|------------------|-------|---------------|---------------|-----------|-----------------|
|   |  | MHz       | dBuV                        | dB/m          | dB               | dB    | dBuV/m        | dBuV/m        | dB        |                 |
| 1 |  | 1289.627  | 47.16                       | 25.56         | 2.58             | 38.60 | 36.70         | 68.20         | -31.50    | HORIZONTAL peak |
| 2 |  | 1456.081  | 47.85                       | 25.87         | 2.68             | 38.39 | 38.01         | 74.00         | -35.99    | HORIZONTAL peak |
| 3 |  | 4456.315  | 44.96                       | 30.87         | 4.61             | 37.45 | 42.99         | 68.20         | -25.21    | HORIZONTAL peak |
| 4 |  | 8082.804  | 44.97                       | 37.17         | 6.24             | 37.39 | 50.99         | 74.00         | -23.01    | HORIZONTAL peak |
| 5 |  | 11000.000 | 41.43                       | 40.69         | 7.52             | 42.70 | 46.94         | 74.00         | -27.06    | HORIZONTAL peak |
| 6 |  | 16500.000 | 44.21                       | 39.36         | 9.34             | 43.70 | 49.21         | 68.20         | -18.99    | HORIZONTAL peak |



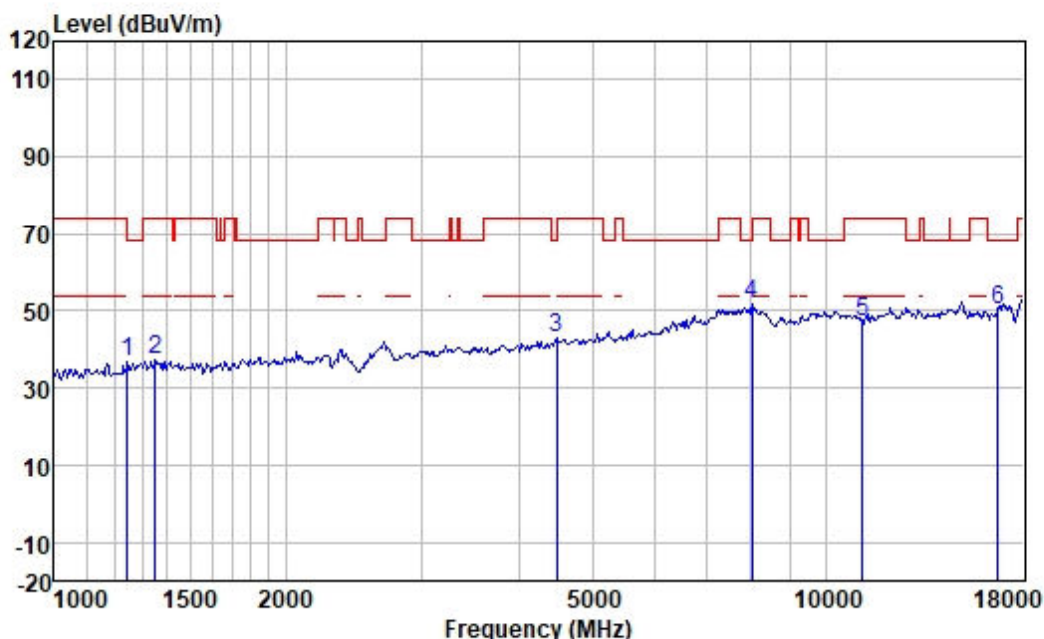
Test Mode: 06; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



|   | Freq      | ReadAntenna | Cable | Preamp |       | Limit  | Over   |           |                 |
|---|-----------|-------------|-------|--------|-------|--------|--------|-----------|-----------------|
|   | Level     | Factor      | Loss  | Factor | Level | Line   | Limit  | Pol/Phase | Remark          |
|   | MHz       | dBuV        | dB/m  | dB     | dB    | dBuV/m | dBuV/m | dB        |                 |
| 1 | 1260.149  | 46.83       | 25.45 | 2.54   | 38.63 | 36.19  | 68.20  | -32.01    | HORIZONTAL peak |
| 2 | 1422.798  | 47.00       | 25.83 | 2.67   | 38.45 | 37.05  | 74.00  | -36.95    | HORIZONTAL peak |
| 3 | 4304.400  | 45.12       | 30.62 | 4.58   | 37.47 | 42.85  | 74.00  | -31.15    | HORIZONTAL peak |
| 4 | 8082.804  | 44.88       | 37.17 | 6.24   | 37.39 | 50.90  | 74.00  | -23.10    | HORIZONTAL peak |
| 5 | 11000.000 | 42.11       | 40.69 | 7.52   | 42.70 | 47.62  | 74.00  | -26.38    | HORIZONTAL peak |
| 6 | 16500.000 | 43.56       | 39.36 | 9.34   | 43.70 | 48.56  | 68.20  | -19.64    | HORIZONTAL peak |



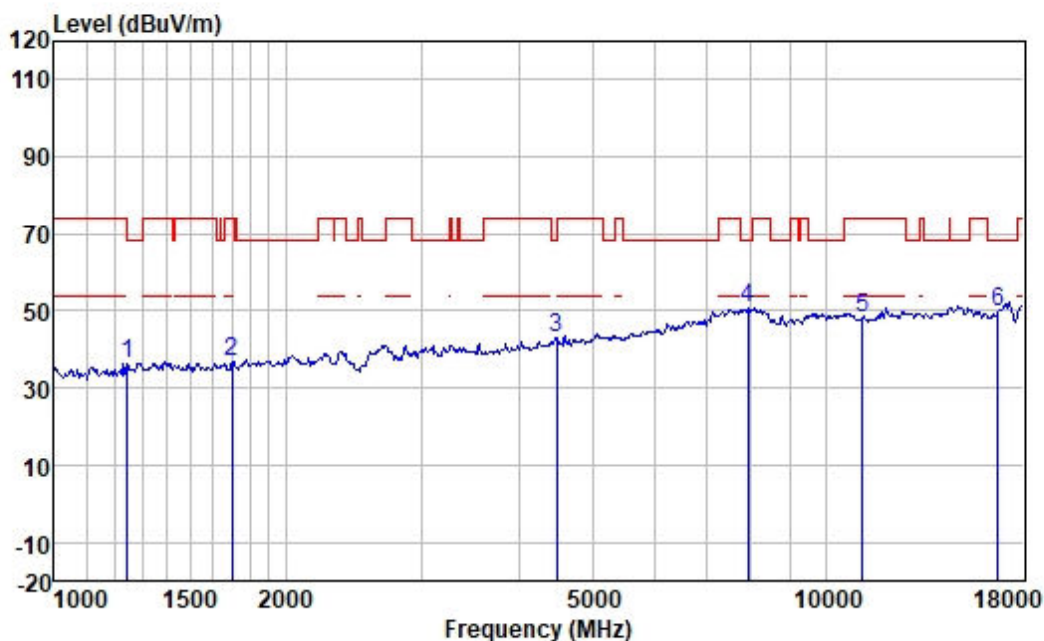
Test Mode: 06; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



|   |           | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   |           |        |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|-----------|--------|
|   | Freq      | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  | Pol/Phase | Remark |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |           |        |
| 1 | 1245.663  | 47.70       | 25.38  | 2.51  | 38.64  | 36.95  | 68.20  | -31.25 | VERTICAL  | peak   |
| 2 | 1350.667  | 47.54       | 25.71  | 2.63  | 38.53  | 37.35  | 74.00  | -36.65 | VERTICAL  | peak   |
| 3 | 4482.150  | 44.85       | 30.90  | 4.62  | 37.44  | 42.93  | 68.20  | -25.27 | VERTICAL  | peak   |
| 4 | 8036.214  | 45.68       | 37.20  | 6.22  | 37.27  | 51.83  | 74.00  | -22.17 | VERTICAL  | peak   |
| 5 | 11160.000 | 41.74       | 40.77  | 7.55  | 42.75  | 47.31  | 74.00  | -26.69 | VERTICAL  | peak   |
| 6 | 16740.000 | 44.48       | 40.58  | 9.39  | 44.02  | 50.43  | 68.20  | -17.77 | VERTICAL  | peak   |



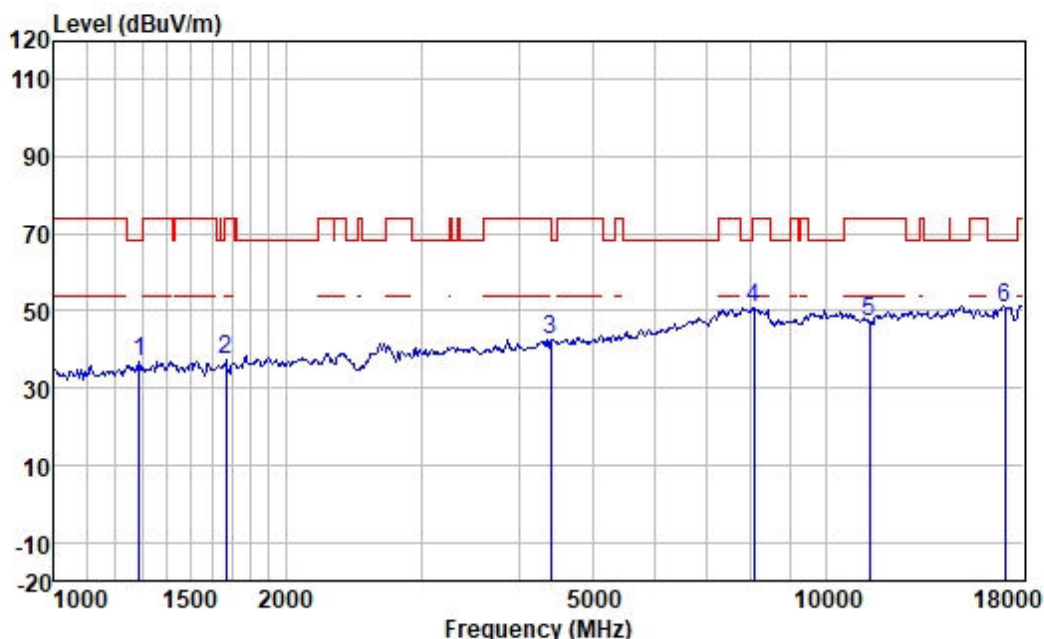
Test Mode: 06; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



|   | Freq      | ReadAntenna | Cable | Preamp |       | Limit  | Over   |           |                 |
|---|-----------|-------------|-------|--------|-------|--------|--------|-----------|-----------------|
|   | Level     | Factor      | Loss  | Factor | Level | Line   | Limit  | Pol/Phase | Remark          |
|   | MHz       | dBuV        | dB/m  | dB     | dB    | dBuV/m | dBuV/m | dB        |                 |
| 1 | 1245.663  | 47.31       | 25.38 | 2.51   | 38.64 | 36.56  | 68.20  | -31.64    | HORIZONTAL peak |
| 2 | 1702.042  | 45.78       | 26.18 | 2.85   | 38.03 | 36.78  | 74.00  | -37.22    | HORIZONTAL peak |
| 3 | 4482.150  | 44.97       | 30.90 | 4.62   | 37.44 | 43.05  | 68.20  | -25.15    | HORIZONTAL peak |
| 4 | 7943.838  | 44.75       | 37.19 | 6.19   | 37.20 | 50.93  | 68.20  | -17.27    | HORIZONTAL peak |
| 5 | 11160.000 | 42.79       | 40.77 | 7.55   | 42.75 | 48.36  | 74.00  | -25.64    | HORIZONTAL peak |
| 6 | 16740.000 | 43.67       | 40.58 | 9.39   | 44.02 | 49.62  | 68.20  | -18.58    | HORIZONTAL peak |



Test Mode: 06; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



|   |           | ReadAntenna |        | Cable | Preamp |        | Limit  | Over   |           |        |
|---|-----------|-------------|--------|-------|--------|--------|--------|--------|-----------|--------|
|   | Freq      | Level       | Factor | Loss  | Factor | Level  | Line   | Limit  | Pol/Phase | Remark |
|   | MHz       | dBuV        | dB/m   | dB    | dB     | dBuV/m | dBuV/m | dB     |           |        |
| 1 | 1289.627  | 47.54       | 25.56  | 2.58  | 38.60  | 37.08  | 68.20  | -31.12 | VERTICAL  | peak   |
| 2 | 1672.779  | 46.25       | 26.12  | 2.82  | 38.05  | 37.14  | 74.00  | -36.86 | VERTICAL  | peak   |
| 3 | 4405.090  | 44.76       | 30.80  | 4.61  | 37.46  | 42.71  | 68.20  | -25.49 | VERTICAL  | peak   |
| 4 | 8082.804  | 44.93       | 37.17  | 6.24  | 37.39  | 50.95  | 74.00  | -23.05 | VERTICAL  | peak   |
| 5 | 11400.000 | 41.36       | 40.92  | 7.61  | 42.87  | 47.02  | 74.00  | -26.98 | VERTICAL  | peak   |
| 6 | 17100.000 | 44.03       | 42.17  | 9.45  | 44.81  | 50.84  | 68.20  | -17.36 | VERTICAL  | peak   |

