



# TEST REPORT

**Report No.** ..... : **CTC2025278193**

**FCC ID**..... : **WNA-HPR305**

**Applicant** ..... : **Shenzhen Skyworth Digital Technology Co.,LTD.**

**Address**..... : 14/F Unit A. Skyworth Building, Gaoxin Ave.1s., Nanshan District, Shenzhen, China

**Manufacturer**..... : Shenzhen Skyworth Digital Technology Co.,LTD.

**Address**..... : 14/F Unit A. Skyworth Building, Gaoxin Ave.1s., Nanshan District, Shenzhen, China

**Product Name** ..... : **UHD OTT Stick**

**Trade Mark** ..... : SKYWORTH, STRONG, QVWI, COOCOA, MECOOL, Blaupunkt, EKO

**Model/Type reference**..... : HPR3B

**Listed Model(s)**..... : HPR309, HPR305, BPTV30, BPTV30G, BPTV10G, HPR323, MEgo1 4K, MEgo1 PRO

**Standard** ..... : **FCC CFR Title 47 Part 15 Subpart E Section 15.407**

**Test Report Form No** ..... : CTC-TR-062\_A2

**Master TRF** ..... : Dated 2025-05-12

**Date of receipt of test sample**..... : Apr. 24, 2025

**Date of testing**..... : Apr. 24, 2025 ~ May 18, 2025

**Date of issue**..... : Jun. 10, 2025

**Result**..... : **PASS**

Compiled by:

(Printed name+signature)

Lucy Lan

Supervised by:

(Printed name+signature)

Eric Zhang

Approved by:

(Printed name+signature)

Totti Zhao

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# 1. TEST SUMMARY

## 1.1. Test Standards

The tests were performed according to following standards:

[FCC Rules Part 15.407](#): for 802.11a/n/ac/ax, the test procedure follows the FCC KDB 789033 D02 General UNII Test Procedures New Rules V02r01.

[ANSI C63.10-2013](#): American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

## 1.2. Report Version

| Revised No. | Report No.    | Date of issue | Description |
|-------------|---------------|---------------|-------------|
| 01          | CTC2025278193 | Jun. 10, 2025 | Original    |
|             |               |               |             |
|             |               |               |             |

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### 1.3. Test Description

| FCC Part 15 Subpart E (15.407)         |                    |        |               |
|----------------------------------------|--------------------|--------|---------------|
| Test Item                              | Standard Section   | Result | Test Engineer |
| Antenna Requirement                    | 15.203             | Pass   | Ewen          |
| Conducted Emission                     | 15.207             | Pass   | Ewen          |
| Band Edge Emissions                    | 15.407(b)          | Pass   | Ewen          |
| 26dB Bandwidth & 99% Bandwidth         | 15.407(a)          | Pass   | Ewen          |
| 6dB Bandwidth (only for UNII-3)        | 15.407(e)          | Pass   | Ewen          |
| Peak Output Power                      | 15.407(a)          | Pass   | Ewen          |
| Power Spectral Density                 | 15.407(a)          | Pass   | Ewen          |
| Transmitter Radiated Spurious Emission | 15.407(b) & 15.209 | Pass   | Ewen          |
| Frequency Stability                    | 15.407(g)          | Pass   | Ewen          |
| Dynamic Frequency Selection (DFS)      | 15.407(h)          | Pass   | Ewen          |
| Automatically Discontinue Transmission | 15.407(c)          | Pass   | Note 3        |

Note:

1. The measurement uncertainty is not included in the test result.
2. N/A: means this test item is not applicable for this device according to the technology characteristic of device.
3. During no any information transmission, the EUT can automatically discontinue transmission and become standby mode for power saving. the EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.



## 1.4. Test Facility

### Address of the report laboratory

#### CTC Laboratories, Inc.

Add: Room 107, 108, 207, 208, 303 of Building A, Room 101 of Building B, No.7, Lanqing 1st Road, Luhu Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China

### Laboratory accreditation

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

#### A2LA-Lab Cert. No.: 4340.01

CTC Laboratories, Inc. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

#### Industry Canada (Registration No.: 9783A, CAB Identifier: CN0029)

CTC Laboratories, Inc. EMC Laboratory has been registered by Certification and Engineer Bureau of Industry Canada for the performance of with Registration NO.: 9783A on Jan, 2016.

#### FCC (Registration No.: 951311, Designation Number CN1208)

CTC Laboratories, Inc. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 951311, Aug 26, 2017.



## 1.5. Measurement Uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to TR-100028-01 "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 1" and TR-100028-02 "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 2" and is documented in the CTC Laboratories, Inc. quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Below is the best measurement capability for CTC Laboratories, Inc.

| Test Items                     | Measurement Uncertainty                                             | Notes |
|--------------------------------|---------------------------------------------------------------------|-------|
| Emission Bandwidth             | $\pm 0.0196\%$                                                      | (1)   |
| Maximum Conduct Output Power   | $\pm 0.766\text{dB}$                                                | (1)   |
| Power Spectral Density         | $\pm 1.22\text{dB}$                                                 | (1)   |
| Band Edge Measurements         | $\pm 1.328\text{dB}$                                                | (1)   |
| Unwanted Emissions Measurement | 9kHz-1GHz: $\pm 0.746\text{dB}$<br>1GHz-26GHz: $\pm 1.328\text{dB}$ | (1)   |
| Frequency Stability            | $\pm 2.76\%$                                                        | (1)   |
| Conducted Emissions 9kHz~30MHz | $\pm 3.08\text{ dB}$                                                | (1)   |
| Radiated Emissions 30~1000MHz  | $\pm 4.51\text{ dB}$                                                | (1)   |
| Radiated Emissions 1~18GHz     | $\pm 5.84\text{ dB}$                                                | (1)   |
| Radiated Emissions 18~40GHz    | $\pm 6.12\text{ dB}$                                                | (1)   |

Note (1): This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of  $k=2$ .

## 1.6. Environmental Conditions

|                   |                   |                                                                                                                  |
|-------------------|-------------------|------------------------------------------------------------------------------------------------------------------|
| Normal Condition  | Temperature       | 15 °C to 35 °C                                                                                                   |
|                   | Relative Humidity | 20 % to 75 %                                                                                                     |
|                   | Air Pressure      | 101 kPa                                                                                                          |
|                   | Voltage           | The normal test voltage for the equipment shall be the nominal voltage for which the equipment was designed.     |
| Extreme Condition | Temperature       | Measurements shall be made over the extremes of the operating temperature range as declared by the manufacturer. |
|                   | Voltage           | Measurements shall be made over the extremes of the operating temperature range as declared by the manufacturer. |

|                   |                           |       |
|-------------------|---------------------------|-------|
| Normal Condition  | $T_N$ =Normal Temperature | 25 °C |
| Extreme Condition | $T_L$ =Lower Temperature  | 0 °C  |
|                   | $T_H$ =Higher Temperature | 45 °C |

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## 2. GENERAL INFORMATION

### 2.1. Client Information

|               |                                                                                                                                                                         |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Applicant:    | Shenzhen Skyworth Digital Technology Co.,LTD.                                                                                                                           |
| Address:      | 14/F Unit A. Skyworth Building, Gaoxin Ave.1s., Nanshan District, Shenzhen, China                                                                                       |
| Manufacturer: | Shenzhen Skyworth Digital Technology Co.,LTD.                                                                                                                           |
| Address:      | 14/F Unit A. Skyworth Building, Gaoxin Ave.1s., Nanshan District, Shenzhen, China                                                                                       |
| Factory:      | Shenzhen Skyworth Digital Technology Co.,LTD. Baoan Factory                                                                                                             |
| Address:      | 2-5F,Integration Multi-Storied Building, Skyworth Science and Technology Industrial Park, Tangtou Industrial Zone, Shiyan Street, Baoan District, Shenzhen city, China. |

### 2.2. General Description of EUT

|                       |                                                                                                                     |                                              |                                              |                                             |  |
|-----------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------------------------|---------------------------------------------|--|
| Product Name:         | UHD OTT Stick                                                                                                       |                                              |                                              |                                             |  |
| Trade Mark:           | SKYWORTH, STRONG, QVWI, COOCOA, MECOOL, Blaupunkt, EKO                                                              |                                              |                                              |                                             |  |
| Model/Type reference: | HPR3B                                                                                                               |                                              |                                              |                                             |  |
| Listed Model(s):      | HPR309, HPR305, BPTV30, BPTV30G, BPTV10G, HPR323, MEgo1 4K, MEgo1 PRO                                               |                                              |                                              |                                             |  |
| Model Difference:     | Only the models name is different, while the internal circuits, wireless modules and antennas are exactly the same. |                                              |                                              |                                             |  |
| Sample ID:            | CTC250418-009-S007                                                                                                  |                                              |                                              |                                             |  |
| Power Supply:         | DC 5V 1A from AC/DC Adapter                                                                                         |                                              |                                              |                                             |  |
| Adapter Model 1       | UT-236A-5100<br>Input: 100-240V~ 50/60Hz 0.2A<br>Output: 5V/1A 5W                                                   |                                              |                                              |                                             |  |
| Adapter Model 2       | AD-D0930500100US01<br>Input: 100-240V~ 50/60Hz 0.2A<br>Output: 5V/1A 5W                                             |                                              |                                              |                                             |  |
| Hardware Version:     | /                                                                                                                   |                                              |                                              |                                             |  |
| Software Version:     | /                                                                                                                   |                                              |                                              |                                             |  |
| 5G Wi-Fi              |                                                                                                                     |                                              |                                              |                                             |  |
| Operation Band:       | <input checked="" type="checkbox"/> U-NII-1                                                                         | <input checked="" type="checkbox"/> U-NII-2A | <input checked="" type="checkbox"/> U-NII-2C | <input checked="" type="checkbox"/> U-NII-3 |  |
| Operation Frequency:  | U-NII-1                                                                                                             | 5150MHz~5250MHz                              |                                              |                                             |  |
|                       | U-NII-2A                                                                                                            | 5250MHz~5350MHz                              |                                              |                                             |  |
|                       | U-NII-2C                                                                                                            | 5470MHz~5725MHz                              |                                              |                                             |  |
|                       | U-NII-3                                                                                                             | 5725MHz~5850MHz                              |                                              |                                             |  |
| Support Bandwidth:    | 802.11a                                                                                                             | <input checked="" type="checkbox"/> 20MHz    |                                              |                                             |  |
|                       | 802.11n                                                                                                             | <input checked="" type="checkbox"/> 20MHz    | <input checked="" type="checkbox"/> 40MHz    |                                             |  |

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|               |                                                                                                                                           |                                           |                                           |                                           |                                 |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|---------------------------------|
|               | 802.11ac                                                                                                                                  | <input checked="" type="checkbox"/> 20MHz | <input checked="" type="checkbox"/> 40MHz | <input checked="" type="checkbox"/> 80MHz | <input type="checkbox"/> 160MHz |
| Modulation:   | 802.11a: OFDM (BPSK, QPSK, 16QAM, 64QAM)<br>802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM)<br>802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM) |                                           |                                           |                                           |                                 |
| Antenna Type: | PCB Antenna                                                                                                                               |                                           |                                           |                                           |                                 |
| Antenna Gain: | Ant1: 5.8dBi<br>Ant2: 4.38dBi                                                                                                             |                                           |                                           |                                           |                                 |

## 2.3. Accessory Equipment Information

| Equipment Information     |                |              |              |
|---------------------------|----------------|--------------|--------------|
| Name                      | Model          | S/N          | Manufacturer |
| Notebook                  | ThinkPad T460s | /            | Lenovo       |
| Cable Information         |                |              |              |
| Name                      | Shielded Type  | Ferrite Core | Length       |
| USB Cable                 | Unshielded     | NO           | 150cm        |
| Test Software Information |                |              |              |
| Name                      | Version        | /            | /            |
| adb                       | /              | /            | /            |

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## 2.4. Operation State

Operation Frequency List: The EUT has been tested under typical operating condition. The Applicant provides communication tools software to control the EUT for staying in continuous transmitting.

Operation Frequency List:

| Operating Band | 20MHz Bandwidth |                 | 40MHz Bandwidth |                 | 80MHz Bandwidth |                 | 160MHz Bandwidth |                 |  |  |
|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|-----------------|--|--|
|                | Channel         | Frequency (MHz) | Channel         | Frequency (MHz) | Channel         | Frequency (MHz) | Channel          | Frequency (MHz) |  |  |
| U-NII-1        | 36              | 5180            | 38              | 5190            | 42              | 5210            | 50               | 5250            |  |  |
|                | 40              | 5200            |                 |                 |                 |                 |                  |                 |  |  |
|                | 44              | 5220            | 46              | 5230            |                 |                 |                  |                 |  |  |
|                | 48              | 5240            |                 |                 |                 |                 |                  |                 |  |  |
| U-NII-2A       | 52              | 5260            | 54              | 5270            | 58              | 5290            |                  |                 |  |  |
|                | 56              | 5280            |                 |                 |                 |                 |                  |                 |  |  |
|                | 60              | 5300            | 62              | 5310            |                 |                 |                  |                 |  |  |
|                | 64              | 5320            |                 |                 |                 |                 |                  |                 |  |  |
| U-NII-2C       | 100             | 5500            | 102             | 5510            | 106             | 5530            | 114              | 5570            |  |  |
|                | 104             | 5520            |                 |                 |                 |                 |                  |                 |  |  |
|                | 108             | 5540            | 110             | 5550            |                 |                 |                  |                 |  |  |
|                | 112             | 5560            |                 |                 |                 |                 |                  |                 |  |  |
|                | 116             | 5580            | 118             | 5590            | 122             | 5610            |                  |                 |  |  |
|                | 120             | 5600            |                 |                 |                 |                 |                  |                 |  |  |
|                | 124             | 5620            | 126             | 5630            |                 |                 |                  |                 |  |  |
|                | 128             | 5640            |                 |                 |                 |                 |                  |                 |  |  |
|                | 132             | 5660            | 134             | 5670            |                 |                 |                  |                 |  |  |
|                | 136             | 5680            |                 |                 |                 |                 |                  |                 |  |  |
|                | 140             | 5700            |                 |                 |                 |                 |                  |                 |  |  |
|                |                 |                 |                 |                 |                 |                 |                  |                 |  |  |
| U-NII-3        | 149             | 5745            | 151             | 5755            | 155             | 5775            | /                |                 |  |  |
|                | 153             | 5765            |                 |                 |                 |                 |                  |                 |  |  |
|                | 157             | 5785            | 159             | 5795            |                 |                 |                  |                 |  |  |
|                | 161             | 5805            |                 |                 |                 |                 |                  |                 |  |  |
|                | 165             | 5825            |                 |                 |                 |                 |                  |                 |  |  |



Test channel is below:

| Operating Band | Test Channel    | 20MHz Bandwidth |                 | 40MHz Bandwidth |                 | 80MHz Bandwidth |                 | 160MHz Bandwidth |                 |
|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|-----------------|
|                |                 | Channel         | Frequency (MHz) | Channel         | Frequency (MHz) | Channel         | Frequency (MHz) | Channel          | Frequency (MHz) |
| U-NII-1        | CH <sub>L</sub> | 36              | 5180            | 38              | 5190            | /               | /               | 50               | 5250            |
|                | CH <sub>M</sub> | 40              | 5200            | /               | /               | 42              | 5210            |                  |                 |
|                | CH <sub>H</sub> | 48              | 5240            | 46              | 5230            | /               | /               |                  |                 |
| U-NII-2A       | CH <sub>L</sub> | 52              | 5260            | 54              | 5270            | /               | /               |                  |                 |
|                | CH <sub>M</sub> | 56              | 5280            | /               | /               | 58              | 5290            |                  |                 |
|                | CH <sub>H</sub> | 64              | 5320            | 62              | 5310            | /               | /               |                  |                 |
| U-NII-2C       | CH <sub>L</sub> | 100             | 5500            | 102             | 5510            | 106             | 5530            | /                | /               |
|                | CH <sub>M</sub> | 116             | 5580            | 110             | 5550            | /               | /               | 114              | 5570            |
|                | CH <sub>H</sub> | 140             | 5700            | 134             | 5670            | 122             | 5610            | /                | /               |
| U-NII-3        | CH <sub>L</sub> | 149             | 5745            | 151             | 5755            | /               | /               | /                | /               |
|                | CH <sub>M</sub> | 157             | 5785            | /               | /               | 155             | 5775            | /                | /               |
|                | CH <sub>H</sub> | 165             | 5825            | 159             | 5795            | /               | /               | /                | /               |

Antenna Specification:

| Ant. | Brand | Model Name | Antenna Type | Connector | Gain(dBi) |
|------|-------|------------|--------------|-----------|-----------|
| 1    | NA    | NA         | PCB Antenna  | /         | 5.8       |
| 2    | NA    | NA         | PCB Antenna  | /         | 4.38      |

This EUT supports MIMO 2X2 with the unequal antenna gain, and any transmit signals are correlated with each other.

According to KDB 662911 D01, Directional Gain =  $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N]$  dBi, that is Directional Gain =  $10 \log[((10^{5.8/20} + 10^{4.38/20})^2) / 2] = 8.13$  dBi. So, output power limit of UNII-3 is  $30 - 8.13 + 6 = 27.87$  dBm, and output power limit of UNII-1 and UNII-2A and UNII-2C is  $23.98 - 8.13 + 6 = 21.85$  dBm. The power spectral density limit of UNII-1 & UNII-2A & UNII-2C is  $11 - 8.13 + 6 = 8.87$  dBm/MHz, and power spectral density limit of UNII-3 is  $30 - 8.13 + 6 = 27.87$  dBm/500kHz.

Data Rated:

Preliminary tests were performed in different data rate, and found which the below bit rate is worst case mode, so only show data which it is a worst case mode.

| Test Mode                                                              | Data Rate (worst mode) |
|------------------------------------------------------------------------|------------------------|
| 802.11a                                                                | 6Mbps                  |
| 802.11n(HT20)/ 802.11n(HT40)                                           | HT-MCS0                |
| 802.11ac(VHT20)/ 802.11ac(VHT40)/<br>802.11ac(VHT80)/ 802.11ac(VHT160) | VHT-MCS0               |



## Test Mode:

|                                                                                                                                                                                                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| For RF test items:                                                                                                                                                                                                       |
| The engineering test program was provided and enabled to make EUT continuous transmit.                                                                                                                                   |
| For AC power line conducted emissions:                                                                                                                                                                                   |
| The EUT was set to connect with the WLAN AP under large package sizes transmission.                                                                                                                                      |
| For Radiated spurious emissions test item:                                                                                                                                                                               |
| The engineering test program was provided and enabled to make EUT continuous transmit. The EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report. |
| For DFS test items:                                                                                                                                                                                                      |
| The EUT has been tested under test mode condition. The Applicant provides software to control the EUT for staying in DFS mode for testing.                                                                               |



## 2.5. Measurement Instruments List

| Radiated emission |                              |                  |              |                      |               |               |
|-------------------|------------------------------|------------------|--------------|----------------------|---------------|---------------|
| Item              | Test Equipment               | Manufacturer     | Model No.    | Serial No.           | Cal. Date     | Cal. Until    |
| 1                 | Trilog-Broadband Antenna     | Schwarzbeck      | VULB 9163    | 01026                | Dec. 25, 2024 | Dec. 24, 2025 |
| 2                 | Horn Antenna                 | Schwarzbeck      | BBHA 9120D   | 9120D-647            | Sep. 26, 2024 | Sep. 25, 2025 |
| 3                 | Test Receiver                | Keysight         | N9038A       | MY56400071           | Dec. 13, 2024 | Dec. 12, 2025 |
| 4                 | Broadband Amplifier          | Schwarzbeck      | BBV9743B     | 259                  | Dec. 13, 2024 | Dec. 12, 2025 |
| 5                 | Mirowave Broadband Amplifier | Schwarzbeck      | BBV9718C     | 111                  | Dec. 13, 2024 | Dec. 12, 2025 |
| 6                 | RE33L-001                    | COMM             | /            | 014<br>(9kHz-1GHz)   | Feb. 09, 2025 | Feb. 08, 2026 |
| 7                 | RE33L-002                    | COMM             | /            | 015<br>(9kHz-1GHz)   | Feb. 09, 2025 | Feb. 08, 2026 |
| 8                 | RE33H-001                    | SUHB<br>SUCOFLEX | /            | 016<br>(1GHz-18GHz)  | Feb. 09, 2025 | Feb. 08, 2026 |
| 9                 | RE33H-002                    | HUBENR           | /            | 017<br>(1GHz-18GHz)  | Feb. 09, 2025 | Feb. 08, 2026 |
| 10                | RE33H-003                    | HUBENR           | /            | 018<br>(1GHz-18GHz)  | Feb. 09, 2025 | Feb. 08, 2026 |
| 11                | RE33H-003                    | HUBENR           | /            | 019<br>(18GHz-40GHz) | Feb. 09, 2025 | Feb. 08, 2026 |
| 12                | 3m chamber 3                 | YIHENG           | EE106        | /                    | Aug. 29, 2023 | Aug. 28, 2026 |
| 13                | SHF-EHF Horn Antenna         | Schwarzbeck      | BBHA 9170    | 013551               | Dec. 13, 2024 | Dec. 12, 2025 |
| 14                | Low noise Amplifier          | Tonscend         | TAP180040048 | AP24C8060348         | Dec. 13, 2024 | Dec. 12, 2025 |
| Test Software     |                              |                  |              |                      |               |               |
| Name              |                              | Manufacturer     |              | Software Version     |               |               |
| EZ-EMC            |                              | FARA             |              | FA-03A2              |               |               |

| Conducted emission |                   |              |           |                  |               |               |
|--------------------|-------------------|--------------|-----------|------------------|---------------|---------------|
| Item               | Test Equipment    | Manufacturer | Model No. | Serial No.       | Cal. Date     | Cal. Until    |
| 1                  | LISN              | R&S          | ENV216    | 101112           | Dec. 13, 2024 | Dec. 12, 2025 |
| 2                  | LISN              | R&S          | ENV216    | 101113           | Dec. 13, 2024 | Dec. 12, 2025 |
| 3                  | EMI Test Receiver | R&S          | ESCI      | 100524           | Dec. 13, 2024 | Dec. 12, 2025 |
| 4                  | ISN CAT6          | Schwarzbeck  | NTFM 8158 | CAT6-8158-0046   | Dec. 13, 2024 | Dec. 12, 2025 |
| 5                  | ISN CAT5          | Schwarzbeck  | NTFM 8158 | CAT5-8158-0046   | Dec. 13, 2024 | Dec. 12, 2025 |
| 6                  | CE-001            | COMM         | /         | 001              | Feb. 09, 2025 | Feb. 08, 2026 |
| Test Software      |                   |              |           |                  |               |               |
| Name               |                   | Manufacturer |           | Software Version |               |               |
| EMC32              |                   | R&S          |           | 6.10.10          |               |               |

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| RF Test System - SRD |                                       |              |               |                  |               |               |
|----------------------|---------------------------------------|--------------|---------------|------------------|---------------|---------------|
| Item                 | Test Equipment                        | Manufacturer | Model No.     | Serial No.       | Cal. Date     | Cal. Until    |
| 1                    | Spectrum Analyzer                     | R&S          | FSV40-N       | 101654           | Dec. 13, 2024 | Dec. 12, 2025 |
| 2                    | EXG Analog Signal Generator           | Keysight     | N5173B        | MY59100842       | Dec. 13, 2024 | Dec. 12, 2025 |
| 3                    | MXG Vector Signal Generator           | Keysight     | N5182B        | MY59100212       | Dec. 13, 2024 | Dec. 12, 2025 |
| 4                    | Wideband Radio Communication Tester   | R&S          | CMW500        | 102414           | Dec. 13, 2024 | Dec. 12, 2025 |
| 5                    | RF Control Unit                       | Tonscend     | JS0806-2      | /                | Dec. 13, 2024 | Dec. 12, 2025 |
| 6                    | High and low temperature test chamber | ESPEC        | MT3035        | /                | Mar. 25, 2025 | Mar. 24, 2026 |
| 7                    | RF Cable                              | HUBER+SUHNER | SUCOFLEX101PE | RF-09            | Apr. 16, 2025 | Apr. 15, 2026 |
| Test Software        |                                       |              |               |                  |               |               |
| Name                 |                                       | Manufacturer |               | Software Version |               |               |
| JS1120-3             |                                       | Tonscend     |               | V3.3.38          |               |               |

Note: 1. The Cal. Interval was one year.

2. The Cal. Interval was three years of the antenna.

3. The cable loss has been calculated in test result which connection between each test instruments.

### 3. TEST ITEM AND RESULTS

#### 3.1. Conducted Emission

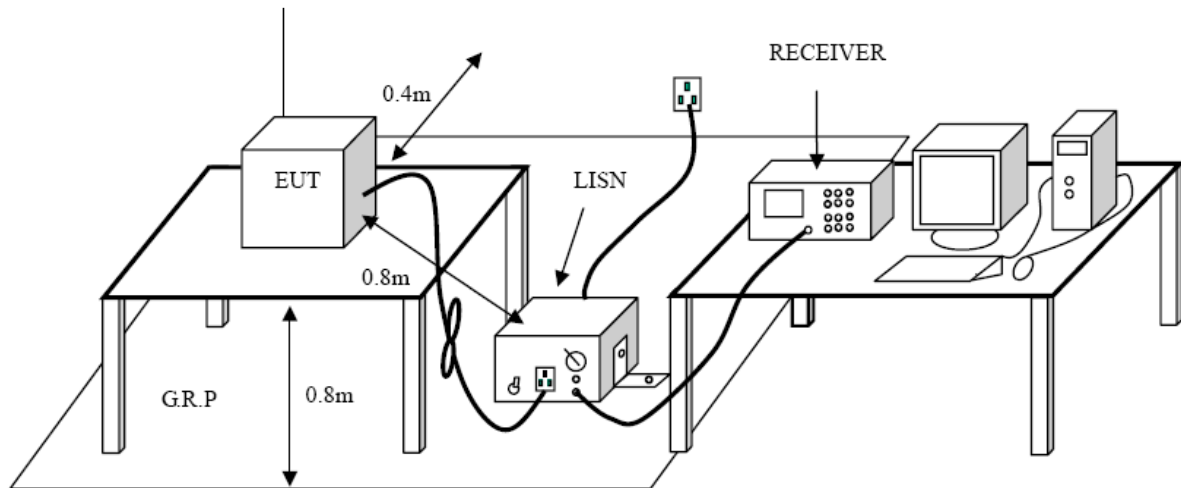
##### Limit

FCC CFR Title 47 Part 15 Subpart C Section 15.207

| Frequency (MHz) | Conducted Limit (dBμV) |            |
|-----------------|------------------------|------------|
|                 | Quasi-peak             | Average    |
| 0.15 - 0.5      | 66 to 56 *             | 56 to 46 * |
| 0.5 - 5         | 56                     | 46         |
| 5 - 30          | 60                     | 50         |

\* Decreases with the logarithm of the frequency.

##### Test Configuration



##### Test Procedure

1. The EUT was setup according to ANSI C63.10:2013 requirements.
2. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface.
3. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm / 50 μH coupling impedance for the measuring equipment.
4. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs)
5. Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.
6. The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
7. Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.
8. During the above scans, the emissions were maximized by cable manipulation.

##### Test Mode

Please refer to the clause 2.4.

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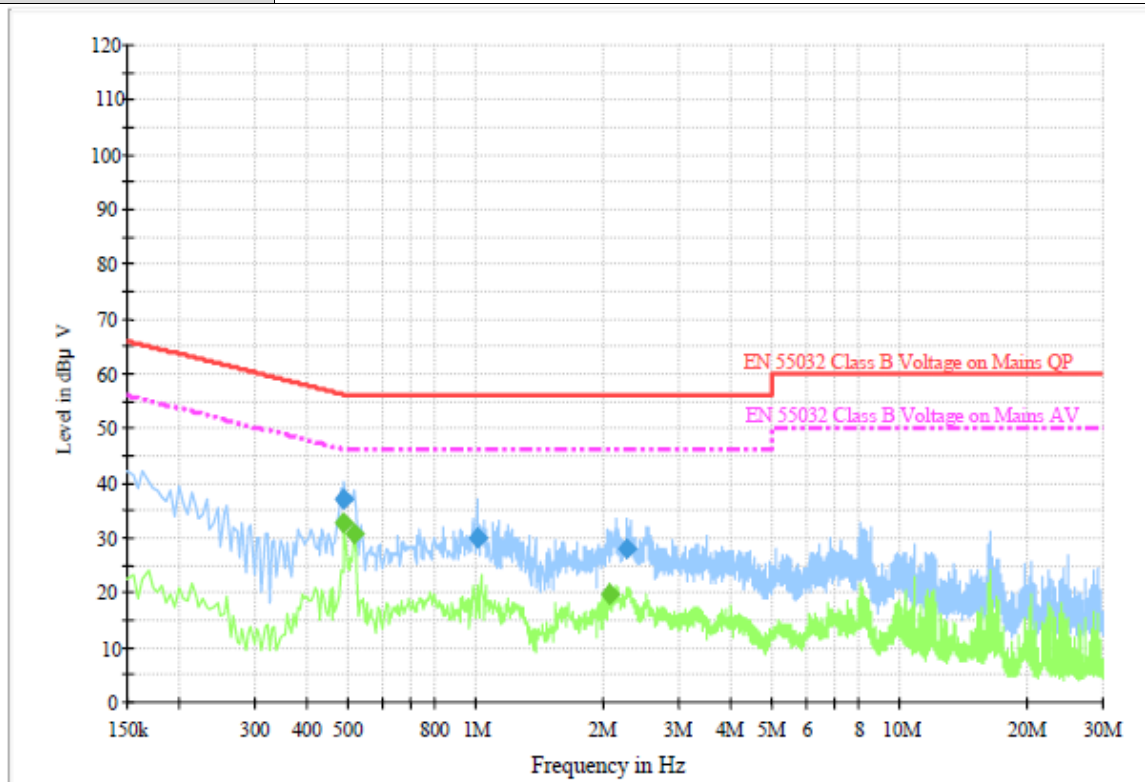
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**Test Result**

|               |                             |
|---------------|-----------------------------|
| Test Voltage: | AC 120V/60Hz                |
| Terminal:     | Line                        |
| Remark:       | Only worse case is reported |

**Final Measurement Detector 1**

| Frequency (MHz) | QuasiPeak (dBμ V) | Meas. Time (ms) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBμ V) | Comment |
|-----------------|-------------------|-----------------|-----------------|--------|------|------------|-------------|---------------|---------|
| 0.487500        | 37.0              | 1000.00         | 9.000           | On     | L1   | 9.4        | 19.2        | 56.2          |         |
| 1.000500        | 30.0              | 1000.00         | 9.000           | On     | L1   | 9.6        | 26.0        | 56.0          |         |
| 2.256000        | 28.1              | 1000.00         | 9.000           | On     | L1   | 9.7        | 27.9        | 56.0          |         |

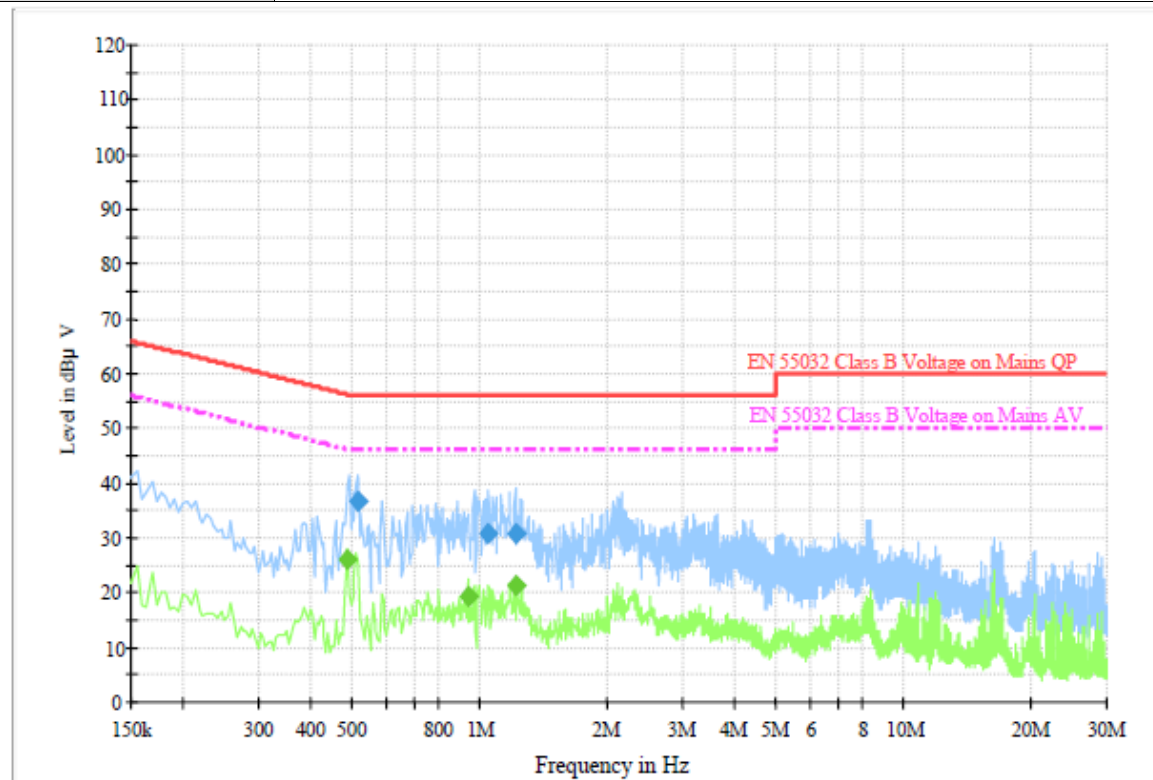
**Final Measurement Detector 2**

| Frequency (MHz) | Average (dBμ V) | Meas. Time (ms) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBμ V) | Comment |
|-----------------|-----------------|-----------------|-----------------|--------|------|------------|-------------|---------------|---------|
| 0.487500        | 32.6            | 1000.00         | 9.000           | On     | L1   | 9.4        | 13.6        | 46.2          |         |
| 0.514500        | 30.8            | 1000.00         | 9.000           | On     | L1   | 9.4        | 15.2        | 46.0          |         |
| 2.049000        | 19.6            | 1000.00         | 9.000           | On     | L1   | 9.7        | 26.4        | 46.0          |         |

Emission Level = Read Level + Correct Factor



|               |                             |
|---------------|-----------------------------|
| Test Voltage: | AC 120V/60Hz                |
| Terminal:     | Neutral                     |
| Remark:       | Only worse case is reported |



### Final Measurement Detector 1

| Frequency (MHz) | QuasiPeak (dBµ V) | Meas. Time (ms) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBµ V) | Comment |
|-----------------|-------------------|-----------------|-----------------|--------|------|------------|-------------|---------------|---------|
| 0.514500        | 36.8              | 1000.00         | 9.000           | On     | N    | 9.4        | 19.2        | 56.0          |         |
| 1.045500        | 30.6              | 1000.00         | 9.000           | On     | N    | 9.6        | 25.4        | 56.0          |         |
| 1.207500        | 30.8              | 1000.00         | 9.000           | On     | N    | 9.8        | 25.2        | 56.0          |         |

### Final Measurement Detector 2

| Frequency (MHz) | Average (dBµ V) | Meas. Time (ms) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBµ V) | Comment |
|-----------------|-----------------|-----------------|-----------------|--------|------|------------|-------------|---------------|---------|
| 0.487500        | 26.2            | 1000.00         | 9.000           | On     | N    | 9.4        | 20.0        | 46.2          |         |
| 0.933000        | 19.4            | 1000.00         | 9.000           | On     | N    | 9.6        | 26.6        | 46.0          |         |
| 1.207500        | 21.4            | 1000.00         | 9.000           | On     | N    | 9.8        | 24.6        | 46.0          |         |

Emission Level = Read Level + Correct Factor



### 3.2. Radiated Emission

#### Limit

#### FCC CFR Title 47 Part 15 Subpart C Section 15.209

| Frequency<br>(MHz) | Field Strength<br>(microvolts/meter) | Measurement Distance<br>(meters) |
|--------------------|--------------------------------------|----------------------------------|
| 0.009~0.490        | 2400/F (kHz)                         | 300                              |
| 0.490~1.705        | 24000/F (kHz)                        | 30                               |
| 1.705~30.0         | 30                                   | 30                               |
| 30~88              | 100                                  | 3                                |
| 88~216             | 150                                  | 3                                |
| 216~960            | 200                                  | 3                                |
| 960~1000           | 500                                  | 3                                |

| Frequency Range (MHz) | dBμV/m (at 3 meters) |         |
|-----------------------|----------------------|---------|
|                       | Peak                 | Average |
| Above 1000            | 74                   | 54      |

Note:

- (1) The tighter limit applies at the band edges.
- (2) Emission Level (dBμV/m)=20log Emission Level (μV/m).

#### Limits of unwanted emission out of the restricted bands

#### FCC CFR Title 47 Part 15 Subpart E Section 15. 407(b)

| Frequency<br>(MHz) | EIRP Limits<br>(dBm) | Equivalent Field Strength<br>at 3m (dBμV/m) |
|--------------------|----------------------|---------------------------------------------|
| 5150~5250          | -27                  | 68.2                                        |
| 5250~5350          | -27                  | 68.2                                        |
| 5470~5725          | -27                  | 68.2                                        |
| 5725~5825          | -27 (Note 2)         | 68.2                                        |
|                    | 10 (Note 2)          | 105.2                                       |
|                    | 15.6 (Note 2)        | 110.8                                       |
|                    | 27 (Note 2)          | 122.2                                       |

Note:

1. The following formula is used to convert the equipment isotropic radiated power (eirp) to field

strength:  $E = \frac{1000000\sqrt{30P}}{3} \mu\text{V/m}$ , where P is the eirp (Watts).

2. According to FCC 16-24, 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 25MHz 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 27dBm/MHz at the band edge.

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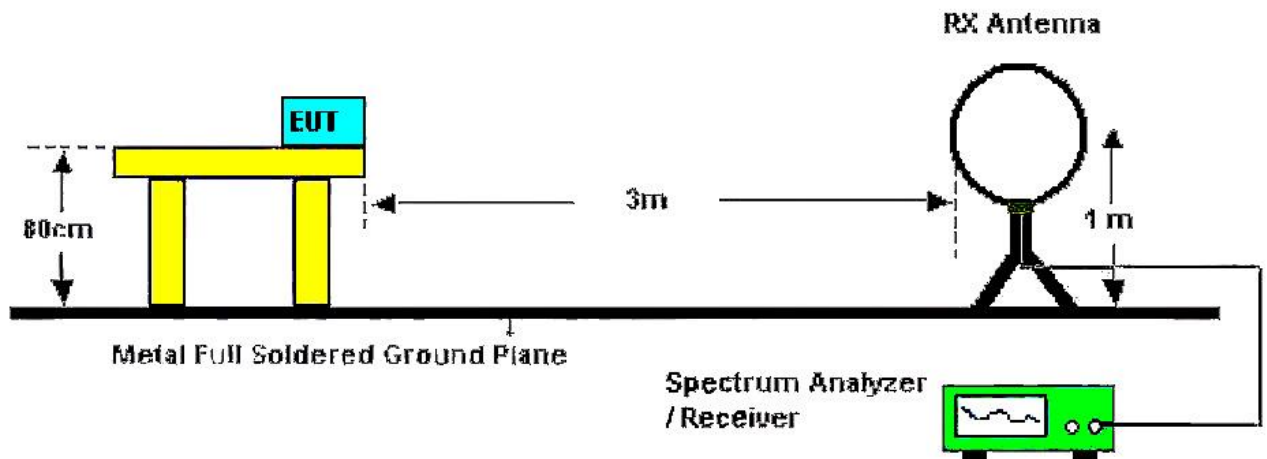
Room 107, 108, 207, 208, 303 of Building A, Room 101 of Building B, No.7, Lanqing 1st Road, Luhua Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn

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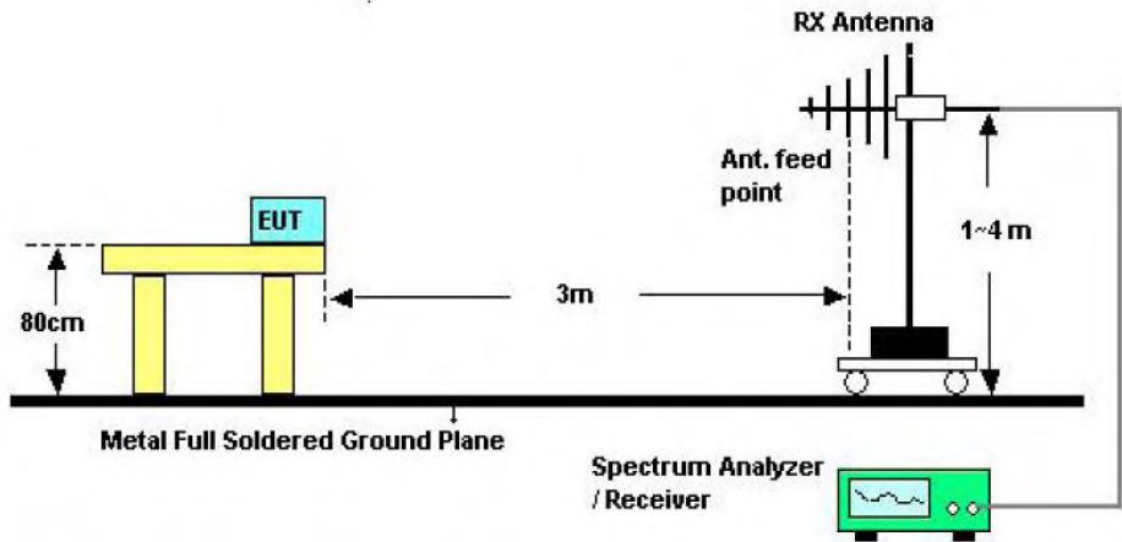
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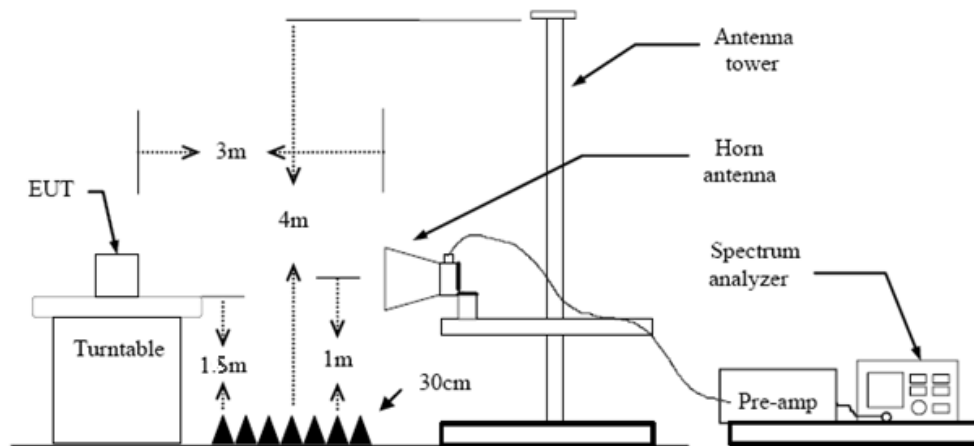
## Test Configuration



Below 30MHz Test Setup



30-1000MHz Test Setup



Above 1GHz Test Setup

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## **Test Procedure**

1. The EUT was setup and tested according to ANSI C63.10:2013.
2. The EUT is placed on a turn table which is 0.8 meter above ground for below 1 GHz, and 1.5 m for above 1 GHz. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
3. The EUT was set 3 meters from the receiving antenna, which was mounted on the top of a variable height antenna tower.
4. For each suspected emission, the EUT was arranged to its worst case and then tune the Antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.
5. Set to the maximum power setting and enable the EUT transmit continuously.
6. Use the following spectrum analyzer settings
  - (1) Span shall wide enough to fully capture the emission being measured;
  - (2) 9k – 150kHz:  
RBW=300 Hz, VBW=1 kHz, Sweep=auto, Detector function=peak, Trace=max hold
  - (3) 0.15M – 30MHz:  
RBW=10 kHz, VBW=30 kHz, Sweep=auto, Detector function=peak, Trace=max hold
  - (4) 30M - 1 GHz:  
RBW=120 kHz, VBW=300 kHz, Sweep=auto, Detector function=peak, Trace=max holdIf the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.
- (5) From 1 GHz to 10<sup>th</sup> harmonic:  
RBW=1MHz, VBW=3MHz Peak detector for Peak value.  
RBW=1MHz, VBW see note 1 with Peak Detector for Average Value.  
Note 1: For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector for average measurements. For the Duty Cycle please refer to clause Duty Cycle.

## **Test Mode**

Please refer to the clause 2.4.

## **Test Result**

### **9 kHz~30 MHz**

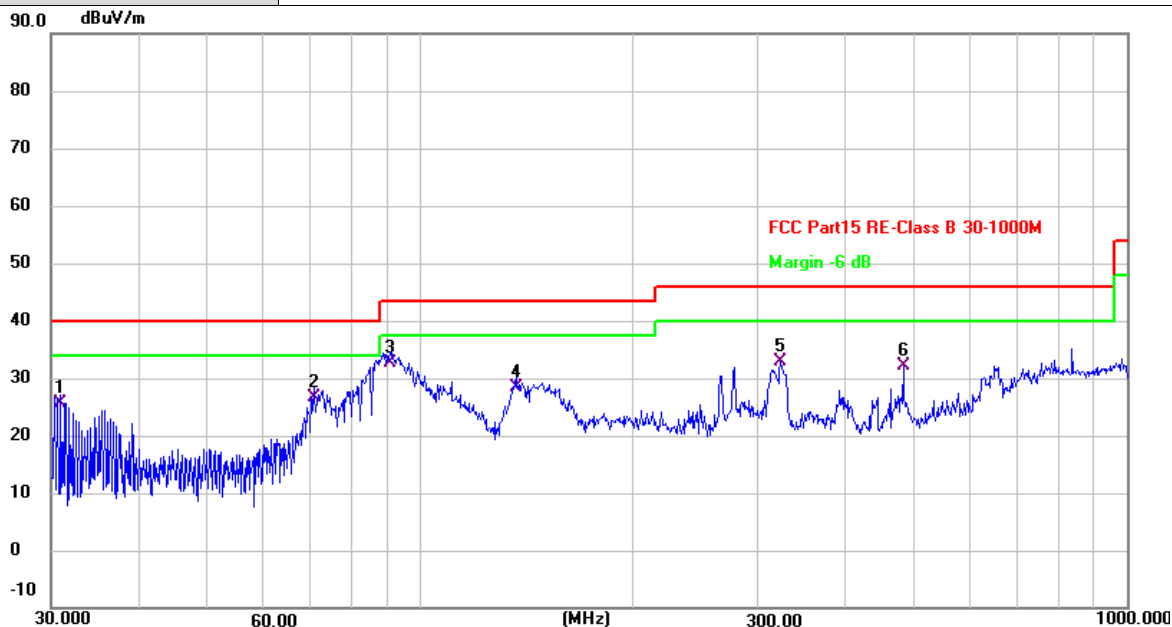
From 9 kHz to 30 MHz: The conclusion is PASS.

- Note: 1. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
2. Pre-scan all antenna, only show the test data for worse case antenna on the test report.



## 30MHz-1GHz

|            |                                   |
|------------|-----------------------------------|
| Ant. No.   | Ant 1                             |
| Ant. Pol.  | Horizontal                        |
| Test Mode: | TX 802.11a Mode 5180MHz (U-NII-1) |
| Remark:    | Only worse case is reported.      |



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1   | 30.9618         | 41.84          | -16.10        | 25.74          | 40.00          | -14.26      | QP       |
| 2   | 70.5835         | 45.94          | -19.20        | 26.74          | 40.00          | -13.26      | QP       |
| 3 * | 90.5374         | 53.14          | -20.56        | 32.58          | 43.50          | -10.92      | QP       |
| 4   | 136.4598        | 45.48          | -17.01        | 28.47          | 43.50          | -15.03      | QP       |
| 5   | 323.3203        | 48.01          | -15.09        | 32.92          | 46.00          | -13.08      | QP       |
| 6   | 482.2155        | 42.71          | -10.47        | 32.24          | 46.00          | -13.76      | QP       |

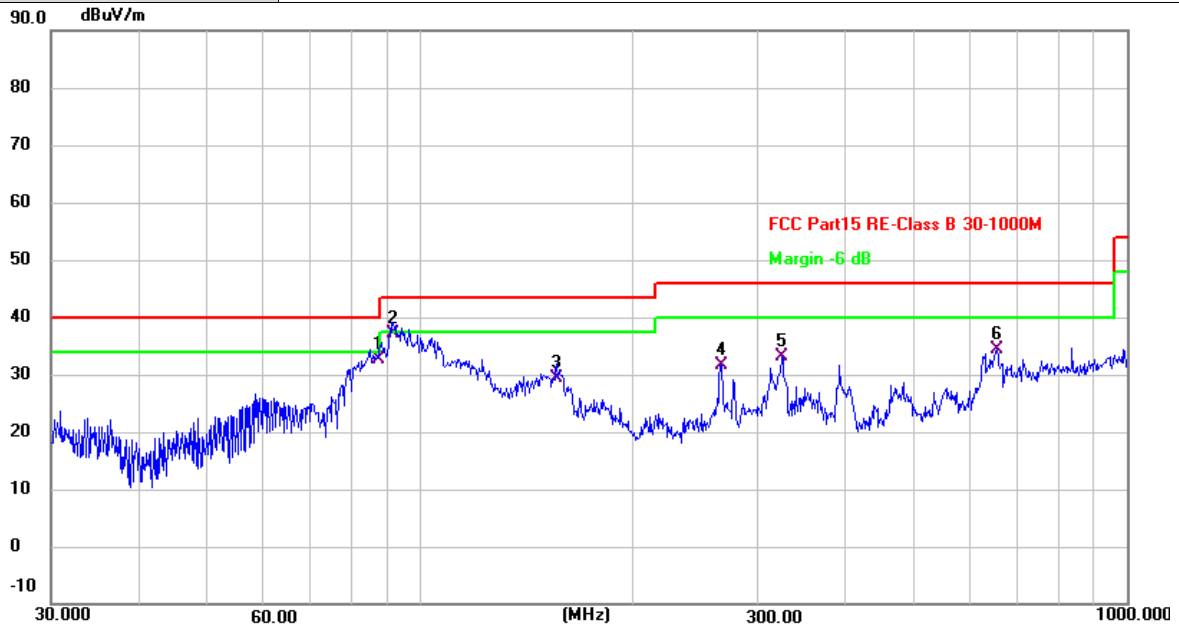
## Remarks:

1. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) - Pre-amplifier Factor

2. Margin value = Level - Limit value



|            |                                   |
|------------|-----------------------------------|
| Ant. No.   | Ant 1                             |
| Ant. Pol.  | Vertical                          |
| Test Mode: | TX 802.11a Mode 5180MHz (U-NII-1) |
| Remark:    | Only worse case is reported.      |



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1   | 87.4177         | 53.29          | -20.55        | 32.74          | 40.00          | -7.26       | QP       |
| 2 * | 91.4949         | 57.53          | -20.51        | 37.02          | 43.50          | -6.48       | QP       |
| 3   | 155.9101        | 45.53          | -16.12        | 29.41          | 43.50          | -14.09      | QP       |
| 4   | 266.6089        | 48.55          | -16.87        | 31.68          | 46.00          | -14.32      | QP       |
| 5   | 324.4561        | 48.11          | -15.07        | 33.04          | 46.00          | -12.96      | QP       |
| 6   | 654.2318        | 41.04          | -6.64         | 34.40          | 46.00          | -11.60      | QP       |

## Remarks:

1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor

2.Margin value = Level -Limit value



## Above 1GHz

| Ant. No.                                                                                                                                                                                                                                                                                                                                                                                                                                       | Ant 1                                                                        |                |               |                |                |             |          |     |                 |                |               |                |                |             |          |   |           |       |       |       |       |        |      |     |           |       |       |       |       |       |     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|---|-----------|-------|-------|-------|-------|--------|------|-----|-----------|-------|-------|-------|-------|-------|-----|
| Ant. Pol.                                                                                                                                                                                                                                                                                                                                                                                                                                      | Horizontal                                                                   |                |               |                |                |             |          |     |                 |                |               |                |                |             |          |   |           |       |       |       |       |        |      |     |           |       |       |       |       |       |     |
| Test Mode:                                                                                                                                                                                                                                                                                                                                                                                                                                     | TX 802.11a Mode 5180MHz (U-NII-1)                                            |                |               |                |                |             |          |     |                 |                |               |                |                |             |          |   |           |       |       |       |       |        |      |     |           |       |       |       |       |       |     |
| Remark:                                                                                                                                                                                                                                                                                                                                                                                                                                        | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |     |                 |                |               |                |                |             |          |   |           |       |       |       |       |        |      |     |           |       |       |       |       |       |     |
| <table><tr><th>No.</th><th>Frequency (MHz)</th><th>Reading (dBUV)</th><th>Factor (dB/m)</th><th>Level (dBUV/m)</th><th>Limit (dBUV/m)</th><th>Margin (dB)</th><th>Detector</th></tr><tr><td>1</td><td>10359.063</td><td>13.16</td><td>46.88</td><td>60.04</td><td>74.00</td><td>-13.96</td><td>peak</td></tr><tr><td>2 *</td><td>10359.279</td><td>-1.43</td><td>46.88</td><td>45.45</td><td>54.00</td><td>-8.55</td><td>AVG</td></tr></table> |                                                                              |                |               |                |                |             |          | No. | Frequency (MHz) | Reading (dBUV) | Factor (dB/m) | Level (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Detector | 1 | 10359.063 | 13.16 | 46.88 | 60.04 | 74.00 | -13.96 | peak | 2 * | 10359.279 | -1.43 | 46.88 | 45.45 | 54.00 | -8.55 | AVG |
| No.                                                                                                                                                                                                                                                                                                                                                                                                                                            | Frequency (MHz)                                                              | Reading (dBUV) | Factor (dB/m) | Level (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Detector |     |                 |                |               |                |                |             |          |   |           |       |       |       |       |        |      |     |           |       |       |       |       |       |     |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                              | 10359.063                                                                    | 13.16          | 46.88         | 60.04          | 74.00          | -13.96      | peak     |     |                 |                |               |                |                |             |          |   |           |       |       |       |       |        |      |     |           |       |       |       |       |       |     |
| 2 *                                                                                                                                                                                                                                                                                                                                                                                                                                            | 10359.279                                                                    | -1.43          | 46.88         | 45.45          | 54.00          | -8.55       | AVG      |     |                 |                |               |                |                |             |          |   |           |       |       |       |       |        |      |     |           |       |       |       |       |       |     |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value                                                                                                                                                                                                                                                                                                              |                                                                              |                |               |                |                |             |          |     |                 |                |               |                |                |             |          |   |           |       |       |       |       |        |      |     |           |       |       |       |       |       |     |

|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1                                                                        |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Vertical                                                                     |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11a Mode 5180MHz (U-NII-1)                                            |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBUV) | Factor (dB/m) | Level (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Detector |
| 1                                                                                                                                 | 10359.182                                                                    | 12.64          | 46.88         | 59.52          | 74.00          | -14.48      | peak     |
| 2 *                                                                                                                               | 10359.448                                                                    | -1.88          | 46.88         | 45.00          | 54.00          | -9.00       | AVG      |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |



|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1                                                                        |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Horizontal                                                                   |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11a Mode 5200MHz (U-NII-1)                                            |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBUV) | Factor (dB/m) | Level (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Detector |
| 1                                                                                                                                 | 10399.281                                                                    | 12.85          | 46.91         | 59.76          | 74.00          | -14.24      | peak     |
| 2 *                                                                                                                               | 10400.083                                                                    | -2.14          | 46.91         | 44.77          | 54.00          | -9.23       | AVG      |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |

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| Ant. No.   | Ant 1                                                                        |  |  |  |  |  |  |
| Ant. Pol.  | Vertical                                                                     |  |  |  |  |  |  |
| Test Mode: | TX 802.11a Mode 5200MHz (U-NII-1)                                            |  |  |  |  |  |  |
| Remark:    | No report for the emission which more than 20 dB below the prescribed limit. |  |  |  |  |  |  |
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| Ant. No.                                                                                                                          | Ant 1                                                                        |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Horizontal                                                                   |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11a Mode 5240MHz (U-NII-1)                                            |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| 1                                                                                                                                 | 10480.498                                                                    | 13.54          | 46.97         | 60.51          | 74.00          | -13.49      | peak     |
| 2 *                                                                                                                               | 10480.769                                                                    | -2.52          | 46.97         | 44.45          | 54.00          | -9.55       | AVG      |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |

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| Ant. No.                                                                                                                          | Ant 1                                                                        |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Vertical                                                                     |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11a Mode 5240MHz (U-NII-1)                                            |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBUV) | Factor (dB/m) | Level (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Detector |
| 1 *                                                                                                                               | 10479.293                                                                    | -2.03          | 46.97         | 44.94          | 54.00          | -9.06       | AVG      |
| 2                                                                                                                                 | 10479.446                                                                    | 12.46          | 46.97         | 59.43          | 74.00          | -14.57      | peak     |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |



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| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Horizontal                                                                   |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11n(HT20) Mode 5180MHz (U-NII-1)                                      |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
| A                                                                                                                                 |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| 1 *                                                                                                                               | 10359.126                                                                    | -2.07          | 46.88         | 44.81          | 54.00          | -9.19       | AVG      |
| 2                                                                                                                                 | 10359.853                                                                    | 14.26          | 46.88         | 61.14          | 74.00          | -12.86      | peak     |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |

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| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Vertical                                                                     |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11n(HT20) Mode 5180MHz (U-NII-1)                                      |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| 1 *                                                                                                                               | 10359.753                                                                    | -1.69          | 46.88         | 45.19          | 54.00          | -8.81       | AVG      |
| 2                                                                                                                                 | 10359.988                                                                    | 12.94          | 46.88         | 59.82          | 74.00          | -14.18      | peak     |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |



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| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Horizontal                                                                   |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11n(HT20) Mode 5200MHz (U-NII-1)                                      |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| 1 *                                                                                                                               | 10399.506                                                                    | -2.18          | 46.91         | 44.73          | 54.00          | -9.27       | AVG      |
| 2                                                                                                                                 | 10399.846                                                                    | 12.87          | 46.91         | 59.78          | 74.00          | -14.22      | peak     |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |

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| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Vertical                                                                     |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11n(HT20) Mode 5200MHz (U-NII-1)                                      |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| 1 *                                                                                                                               | 10400.611                                                                    | -1.42          | 46.91         | 45.49          | 54.00          | -8.51       | AVG      |
| 2                                                                                                                                 | 10400.941                                                                    | 13.43          | 46.91         | 60.34          | 74.00          | -13.66      | peak     |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |



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| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Horizontal                                                                   |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11n(HT20) Mode 5240MHz (U-NII-1)                                      |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| 1 *                                                                                                                               | 10479.649                                                                    | -2.17          | 46.97         | 44.80          | 54.00          | -9.20       | AVG      |
| 2                                                                                                                                 | 10480.361                                                                    | 12.94          | 46.97         | 59.91          | 74.00          | -14.09      | peak     |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |

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| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Vertical                                                                     |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11n(HT20) Mode 5240MHz (U-NII-1)                                      |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBUV) | Factor (dB/m) | Level (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Detector |
| 1 *                                                                                                                               | 10479.197                                                                    | -2.25          | 46.97         | 44.72          | 54.00          | -9.28       | AVG      |
| 2                                                                                                                                 | 10480.421                                                                    | 12.18          | 46.97         | 59.15          | 74.00          | -14.85      | peak     |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |



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| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Horizontal                                                                   |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11n(HT40) Mode 5190MHz (U-NII-1)                                      |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| 1                                                                                                                                 | 10379.117                                                                    | 12.91          | 46.89         | 59.80          | 74.00          | -14.20      | peak     |
| 2 *                                                                                                                               | 10380.999                                                                    | -0.99          | 46.89         | 45.90          | 54.00          | -8.10       | AVG      |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |

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| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Vertical                                                                     |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11n(HT40) Mode 5190MHz (U-NII-1)                                      |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBUV) | Factor (dB/m) | Level (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Detector |
| 1                                                                                                                                 | 10380.913                                                                    | 12.80          | 46.89         | 59.69          | 74.00          | -14.31      | peak     |
| 2 *                                                                                                                               | 10380.984                                                                    | -0.88          | 46.89         | 46.01          | 54.00          | -7.99       | AVG      |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |



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| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Horizontal                                                                   |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11n(HT40) Mode 5230MHz (U-NII-1)                                      |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| 1                                                                                                                                 | 10460.206                                                                    | 12.53          | 46.96         | 59.49          | 74.00          | -14.51      | peak     |
| 2 *                                                                                                                               | 10460.835                                                                    | -1.01          | 46.96         | 45.95          | 54.00          | -8.05       | AVG      |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |

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| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Vertical                                                                     |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11n(HT40) Mode 5230MHz (U-NII-1)                                      |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBUV) | Factor (dB/m) | Level (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Detector |
| 1                                                                                                                                 | 10459.995                                                                    | 13.95          | 46.96         | 60.91          | 74.00          | -13.09      | peak     |
| 2 *                                                                                                                               | 10460.039                                                                    | -0.91          | 46.96         | 46.05          | 54.00          | -7.95       | AVG      |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |



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| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Horizontal                                                                   |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11ac(VHT80) Mode 5210MHz (U-NII-1)                                    |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBUV) | Factor (dB/m) | Level (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Detector |
| 1                                                                                                                                 | 10419.188                                                                    | 13.06          | 46.92         | 59.98          | 74.00          | -14.02      | peak     |
| 2 *                                                                                                                               | 10420.505                                                                    | -0.31          | 46.92         | 46.61          | 54.00          | -7.39       | AVG      |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |

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| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Vertical                                                                     |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11ac(VHT80) Mode 5210MHz (U-NII-1)                                    |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBUV) | Factor (dB/m) | Level (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Detector |
| 1 *                                                                                                                               | 10419.240                                                                    | -0.75          | 46.92         | 46.17          | 54.00          | -7.83       | AVG      |
| 2                                                                                                                                 | 10420.542                                                                    | 12.90          | 46.92         | 59.82          | 74.00          | -14.18      | peak     |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |



|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
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| Ant. No.                                                                                                                          | Ant 1                                                                        |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Horizontal                                                                   |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11a Mode 5260MHz (U-NII-2A)                                           |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| 1                                                                                                                                 | 10519.335                                                                    | 13.87          | 47.02         | 60.89          | 74.00          | -13.11      | peak     |
| 2 *                                                                                                                               | 10520.245                                                                    | -2.29          | 47.02         | 44.73          | 54.00          | -9.27       | AVG      |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |

|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1                                                                        |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Vertical                                                                     |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11a Mode 5260MHz (U-NII-2A)                                           |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBUV) | Factor (dB/m) | Level (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Detector |
| 1 *                                                                                                                               | 10519.330                                                                    | -2.00          | 47.02         | 45.02          | 54.00          | -8.98       | AVG      |
| 2                                                                                                                                 | 10520.635                                                                    | 14.36          | 47.02         | 61.38          | 74.00          | -12.62      | peak     |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |



|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
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| Ant. No.                                                                                                                          | Ant 1                                                                        |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Horizontal                                                                   |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11a Mode 5280MHz (U-NII-2A)                                           |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBUV) | Factor (dB/m) | Level (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Detector |
| 1 *                                                                                                                               | 10559.911                                                                    | -1.97          | 47.07         | 45.10          | 54.00          | -8.90       | AVG      |
| 2                                                                                                                                 | 10560.160                                                                    | 14.19          | 47.07         | 61.26          | 74.00          | -12.74      | peak     |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |

|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
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| Ant. No.                                                                                                                          | Ant 1                                                                        |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Vertical                                                                     |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11a Mode 5280MHz (U-NII-2A)                                           |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| 1                                                                                                                                 | 10559.288                                                                    | 13.16          | 47.07         | 60.23          | 74.00          | -13.77      | peak     |
| 2 *                                                                                                                               | 10559.455                                                                    | -1.81          | 47.07         | 45.26          | 54.00          | -8.74       | AVG      |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |



|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
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| Ant. No.                                                                                                                          | Ant 1                                                                        |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Horizontal                                                                   |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11a Mode 5320MHz (U-NII-2A)                                           |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBUV) | Factor (dB/m) | Level (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Detector |
| 1 *                                                                                                                               | 10640.947                                                                    | -2.24          | 47.18         | 44.94          | 54.00          | -9.06       | AVG      |
| 2                                                                                                                                 | 10640.968                                                                    | 13.56          | 47.18         | 60.74          | 74.00          | -13.26      | peak     |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |

|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
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| Ant. No.                                                                                                                          | Ant 1                                                                        |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Vertical                                                                     |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11a Mode 5320MHz (U-NII-2A)                                           |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| 1                                                                                                                                 | 10639.212                                                                    | 13.70          | 47.18         | 60.88          | 74.00          | -13.12      | peak     |
| 2 *                                                                                                                               | 10640.679                                                                    | -2.22          | 47.18         | 44.96          | 54.00          | -9.04       | AVG      |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |



|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Horizontal                                                                   |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11n(HT20) Mode 5260MHz (U-NII-2A)                                     |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| 1 *                                                                                                                               | 10519.126                                                                    | -1.70          | 47.02         | 45.32          | 54.00          | -8.68       | AVG      |
| 2                                                                                                                                 | 10519.359                                                                    | 13.12          | 47.02         | 60.14          | 74.00          | -13.86      | peak     |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |

|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Vertical                                                                     |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11n(HT20) Mode 5260MHz (U-NII-2A)                                     |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBUV) | Factor (dB/m) | Level (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Detector |
| 1                                                                                                                                 | 10519.457                                                                    | 12.40          | 47.02         | 59.42          | 74.00          | -14.58      | peak     |
| 2 *                                                                                                                               | 10519.577                                                                    | -1.87          | 47.02         | 45.15          | 54.00          | -8.85       | AVG      |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |



|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Horizontal                                                                   |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11n(HT20) Mode 5280MHz (U-NII-2A)                                     |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| 1                                                                                                                                 | 10559.879                                                                    | 12.85          | 47.07         | 59.92          | 74.00          | -14.08      | peak     |
| 2 *                                                                                                                               | 10559.961                                                                    | -1.75          | 47.07         | 45.32          | 54.00          | -8.68       | AVG      |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |

|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Vertical                                                                     |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11n(HT20) Mode 5280MHz (U-NII-2A)                                     |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBUV) | Factor (dB/m) | Level (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Detector |
| 1 *                                                                                                                               | 10559.446                                                                    | -1.51          | 47.07         | 45.56          | 54.00          | -8.44       | AVG      |
| 2                                                                                                                                 | 10560.839                                                                    | 13.55          | 47.07         | 60.62          | 74.00          | -13.38      | peak     |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |



|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Horizontal                                                                   |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11n(HT20) Mode 5320MHz (U-NII-2A)                                     |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBUV) | Factor (dB/m) | Level (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Detector |
| 1                                                                                                                                 | 10639.828                                                                    | 14.18          | 47.18         | 61.36          | 74.00          | -12.64      | peak     |
| 2 *                                                                                                                               | 10639.959                                                                    | -2.35          | 47.18         | 44.83          | 54.00          | -9.17       | AVG      |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |

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|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Vertical                                                                     |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11n(HT20) Mode 5320MHz (U-NII-2A)                                     |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBUV) | Factor (dB/m) | Level (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Detector |
| 1 *                                                                                                                               | 10639.419                                                                    | -2.34          | 47.18         | 44.84          | 54.00          | -9.16       | AVG      |
| 2                                                                                                                                 | 10640.607                                                                    | 11.83          | 47.18         | 59.01          | 74.00          | -14.99      | peak     |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |



|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Horizontal                                                                   |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11n(HT40) Mode 5270MHz (U-NII-2A)                                     |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| 1                                                                                                                                 | 10540.019                                                                    | 12.81          | 47.04         | 59.85          | 74.00          | -14.15      | peak     |
| 2 *                                                                                                                               | 10540.995                                                                    | -0.72          | 47.04         | 46.32          | 54.00          | -7.68       | AVG      |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |

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|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Vertical                                                                     |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11n(HT40) Mode 5270MHz (U-NII-2A)                                     |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| 1                                                                                                                                 | 10539.727                                                                    | 13.08          | 47.04         | 60.12          | 74.00          | -13.88      | peak     |
| 2 *                                                                                                                               | 10539.900                                                                    | -0.85          | 47.04         | 46.19          | 54.00          | -7.81       | AVG      |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |



|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Horizontal                                                                   |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11n(HT40) Mode 5310MHz (U-NII-2A)                                     |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| 1 *                                                                                                                               | 10619.071                                                                    | -1.01          | 47.15         | 46.14          | 54.00          | -7.86       | AVG      |
| 2                                                                                                                                 | 10620.113                                                                    | 14.70          | 47.15         | 61.85          | 74.00          | -12.15      | peak     |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |

|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Vertical                                                                     |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11n(HT40) Mode 5310MHz (U-NII-2A)                                     |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBUV) | Factor (dB/m) | Level (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Detector |
| 1                                                                                                                                 | 10619.374                                                                    | 13.66          | 47.15         | 60.81          | 74.00          | -13.19      | peak     |
| 2 *                                                                                                                               | 10619.999                                                                    | -1.18          | 47.15         | 45.97          | 54.00          | -8.03       | AVG      |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |



|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Horizontal                                                                   |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11ac(VHT80) Mode 5290MHz (U-NII-2A)                                   |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBUV) | Factor (dB/m) | Level (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Detector |
| 1                                                                                                                                 | 10579.540                                                                    | 12.72          | 47.10         | 59.82          | 74.00          | -14.18      | peak     |
| 2 *                                                                                                                               | 10579.575                                                                    | -0.48          | 47.10         | 46.62          | 54.00          | -7.38       | AVG      |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |

|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Vertical                                                                     |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11ac(VHT80) Mode 5290MHz (U-NII-2A)                                   |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBUV) | Factor (dB/m) | Level (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Detector |
| 1 *                                                                                                                               | 10579.048                                                                    | -0.52          | 47.10         | 46.58          | 54.00          | -7.42       | AVG      |
| 2                                                                                                                                 | 10580.540                                                                    | 13.89          | 47.10         | 60.99          | 74.00          | -13.01      | peak     |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |



|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1                                                                        |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Horizontal                                                                   |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11a Mode 5500MHz (U-NII-2C)                                           |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| 1                                                                                                                                 | 10999.269                                                                    | 12.25          | 47.57         | 59.82          | 74.00          | -14.18      | peak     |
| 2 *                                                                                                                               | 11000.668                                                                    | -2.69          | 47.57         | 44.88          | 54.00          | -9.12       | AVG      |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |

|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1                                                                        |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Vertical                                                                     |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11a Mode 5500MHz (U-NII-2C)                                           |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| 1 *                                                                                                                               | 10999.834                                                                    | -2.39          | 47.57         | 45.18          | 54.00          | -8.82       | AVG      |
| 2                                                                                                                                 | 11000.713                                                                    | 12.63          | 47.57         | 60.20          | 74.00          | -13.80      | peak     |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |



|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
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| Ant. No.                                                                                                                          | Ant 1                                                                        |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Horizontal                                                                   |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11a Mode 5580MHz (U-NII-2C)                                           |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBUV) | Factor (dB/m) | Level (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Detector |
| 1                                                                                                                                 | 11159.547                                                                    | 12.96          | 47.58         | 60.54          | 74.00          | -13.46      | peak     |
| 2 *                                                                                                                               | 11160.149                                                                    | -3.34          | 47.58         | 44.24          | 54.00          | -9.76       | AVG      |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |

|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
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| Ant. No.                                                                                                                          | Ant 1                                                                        |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Vertical                                                                     |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11a Mode 5580MHz (U-NII-2C)                                           |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBUV) | Factor (dB/m) | Level (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Detector |
| 1                                                                                                                                 | 11159.268                                                                    | 11.74          | 47.58         | 59.32          | 74.00          | -14.68      | peak     |
| 2 *                                                                                                                               | 11160.041                                                                    | -3.00          | 47.58         | 44.58          | 54.00          | -9.42       | AVG      |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |



|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
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| Ant. No.                                                                                                                          | Ant 1                                                                        |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Horizontal                                                                   |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11a Mode 5700MHz (U-NII-2C)                                           |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBUV) | Factor (dB/m) | Level (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Detector |
| 1 *                                                                                                                               | 11399.013                                                                    | -2.57          | 47.65         | 45.08          | 54.00          | -8.92       | AVG      |
| 2                                                                                                                                 | 11399.103                                                                    | 12.22          | 47.65         | 59.87          | 74.00          | -14.13      | peak     |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |

|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1                                                                        |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Vertical                                                                     |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11a Mode 5700MHz (U-NII-2C)                                           |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBUV) | Factor (dB/m) | Level (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Detector |
| 1 *                                                                                                                               | 11399.044                                                                    | -3.06          | 47.65         | 44.59          | 54.00          | -9.41       | AVG      |
| 2                                                                                                                                 | 11400.557                                                                    | 13.82          | 47.65         | 61.47          | 74.00          | -12.53      | peak     |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |



|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Horizontal                                                                   |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11n(HT20) Mode 5500MHz (U-NII-2C)                                     |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| 1 *                                                                                                                               | 11000.453                                                                    | -2.66          | 47.57         | 44.91          | 54.00          | -9.09       | AVG      |
| 2                                                                                                                                 | 11000.703                                                                    | 13.99          | 47.57         | 61.56          | 74.00          | -12.44      | peak     |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |

|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Vertical                                                                     |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11n(HT20) Mode 5500MHz (U-NII-2C)                                     |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| 1 *                                                                                                                               | 11000.007                                                                    | -2.80          | 47.57         | 44.77          | 54.00          | -9.23       | AVG      |
| 2                                                                                                                                 | 11000.454                                                                    | 13.35          | 47.57         | 60.92          | 74.00          | -13.08      | peak     |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |



|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Horizontal                                                                   |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11n(HT20) Mode 5580MHz (U-NII-2C)                                     |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBUV) | Factor (dB/m) | Level (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Detector |
| 1                                                                                                                                 | 11159.526                                                                    | 13.26          | 47.58         | 60.84          | 74.00          | -13.16      | peak     |
| 2 *                                                                                                                               | 11159.989                                                                    | -3.13          | 47.58         | 44.45          | 54.00          | -9.55       | AVG      |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |

|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Vertical                                                                     |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11n(HT20) Mode 5580MHz (U-NII-2C)                                     |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBUV) | Factor (dB/m) | Level (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Detector |
| 1                                                                                                                                 | 11160.683                                                                    | 12.14          | 47.58         | 59.72          | 74.00          | -14.28      | peak     |
| 2 *                                                                                                                               | 11160.783                                                                    | -3.46          | 47.58         | 44.12          | 54.00          | -9.88       | AVG      |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |



|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Horizontal                                                                   |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11n(HT20) Mode 5700MHz (U-NII-2C)                                     |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBUV) | Factor (dB/m) | Level (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Detector |
| 1 *                                                                                                                               | 11399.898                                                                    | -2.94          | 47.65         | 44.71          | 54.00          | -9.29       | AVG      |
| 2                                                                                                                                 | 11400.601                                                                    | 12.95          | 47.65         | 60.60          | 74.00          | -13.40      | peak     |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |

|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Vertical                                                                     |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11n(HT20) Mode 5700MHz (U-NII-2C)                                     |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| 1                                                                                                                                 | 11399.583                                                                    | 11.75          | 47.65         | 59.40          | 74.00          | -14.60      | peak     |
| 2 *                                                                                                                               | 11400.824                                                                    | -3.15          | 47.65         | 44.50          | 54.00          | -9.50       | AVG      |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |



|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Horizontal                                                                   |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11n(HT40) Mode 5510MHz (U-NII-2C)                                     |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| 1                                                                                                                                 | 11019.359                                                                    | 13.07          | 47.58         | 60.65          | 74.00          | -13.35      | peak     |
| 2 *                                                                                                                               | 11020.116                                                                    | -1.31          | 47.58         | 46.27          | 54.00          | -7.73       | AVG      |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |

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|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Vertical                                                                     |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11n(HT40) Mode 5510MHz (U-NII-2C)                                     |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| 1                                                                                                                                 | 11020.031                                                                    | 12.68          | 47.58         | 60.26          | 74.00          | -13.74      | peak     |
| 2 *                                                                                                                               | 11020.466                                                                    | -1.60          | 47.58         | 45.98          | 54.00          | -8.02       | AVG      |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |



|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Horizontal                                                                   |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11n(HT40) Mode 5550MHz (U-NII-2C)                                     |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| 1                                                                                                                                 | 11100.243                                                                    | 12.70          | 47.62         | 60.32          | 74.00          | -13.68      | peak     |
| 2 *                                                                                                                               | 11100.631                                                                    | -2.00          | 47.62         | 45.62          | 54.00          | -8.38       | AVG      |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |

|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Vertical                                                                     |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11n(HT40) Mode 5550MHz (U-NII-2C)                                     |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| 1 *                                                                                                                               | 11099.795                                                                    | -2.31          | 47.62         | 45.31          | 54.00          | -8.69       | AVG      |
| 2                                                                                                                                 | 11100.253                                                                    | 13.25          | 47.62         | 60.87          | 74.00          | -13.13      | peak     |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |



|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
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| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Horizontal                                                                   |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11n(HT40) Mode 5670MHz (U-NII-2C)                                     |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBUV) | Factor (dB/m) | Level (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Detector |
| 1                                                                                                                                 | 11339.605                                                                    | 12.37          | 47.63         | 60.00          | 74.00          | -14.00      | peak     |
| 2 *                                                                                                                               | 11340.252                                                                    | -1.66          | 47.63         | 45.97          | 54.00          | -8.03       | AVG      |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |

|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Vertical                                                                     |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11n(HT40) Mode 5670MHz (U-NII-2C)                                     |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBUV) | Factor (dB/m) | Level (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Detector |
| 1                                                                                                                                 | 11339.759                                                                    | 12.20          | 47.63         | 59.83          | 74.00          | -14.17      | peak     |
| 2 *                                                                                                                               | 11339.991                                                                    | -1.25          | 47.63         | 46.38          | 54.00          | -7.62       | AVG      |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |



|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Horizontal                                                                   |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11ac(VHT80) Mode 5530MHz (U-NII-2C)                                   |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBUV) | Factor (dB/m) | Level (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Detector |
| 1 *                                                                                                                               | 11059.809                                                                    | -1.15          | 47.60         | 46.45          | 54.00          | -7.55       | AVG      |
| 2                                                                                                                                 | 11059.898                                                                    | 13.53          | 47.60         | 61.13          | 74.00          | -12.87      | peak     |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |

|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
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| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Vertical                                                                     |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11ac(VHT80) Mode 5530MHz (U-NII-2C)                                   |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| 1 *                                                                                                                               | 11059.191                                                                    | -1.32          | 47.60         | 46.28          | 54.00          | -7.72       | AVG      |
| 2                                                                                                                                 | 11059.314                                                                    | 12.15          | 47.60         | 59.75          | 74.00          | -14.25      | peak     |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |



|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
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| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Horizontal                                                                   |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11ac(VHT80) Mode 5610MHz (U-NII-2C)                                   |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBUV) | Factor (dB/m) | Level (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Detector |
| 1 *                                                                                                                               | 11219.187                                                                    | -0.65          | 47.57         | 46.92          | 54.00          | -7.08       | AVG      |
| 2                                                                                                                                 | 11219.741                                                                    | 13.50          | 47.57         | 61.07          | 74.00          | -12.93      | peak     |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |

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| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Vertical                                                                     |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11ac(VHT80) Mode 5610MHz (U-NII-2C)                                   |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBUV) | Factor (dB/m) | Level (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Detector |
| 1 *                                                                                                                               | 11219.198                                                                    | -0.85          | 47.57         | 46.72          | 54.00          | -7.28       | AVG      |
| 2                                                                                                                                 | 11220.987                                                                    | 12.42          | 47.57         | 59.99          | 74.00          | -14.01      | peak     |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |



|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1                                                                        |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Horizontal                                                                   |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11a Mode 5745MHz (U-NII-3)                                            |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| 1 *                                                                                                                               | 11489.790                                                                    | -2.71          | 47.70         | 44.99          | 54.00          | -9.01       | AVG      |
| 2                                                                                                                                 | 11490.549                                                                    | 13.57          | 47.70         | 61.27          | 74.00          | -12.73      | peak     |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |

|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1                                                                        |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Vertical                                                                     |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11a Mode 5745MHz (U-NII-3)                                            |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| 1                                                                                                                                 | 11489.125                                                                    | 12.66          | 47.69         | 60.35          | 74.00          | -13.65      | peak     |
| 2 *                                                                                                                               | 11489.783                                                                    | -2.73          | 47.70         | 44.97          | 54.00          | -9.03       | AVG      |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |



|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1                                                                        |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Horizontal                                                                   |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11a Mode 5785MHz (U-NII-3)                                            |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBUV) | Factor (dB/m) | Level (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Detector |
| 1 *                                                                                                                               | 11569.055                                                                    | -3.50          | 47.72         | 44.22          | 54.00          | -9.78       | AVG      |
| 2                                                                                                                                 | 11570.113                                                                    | 12.02          | 47.72         | 59.74          | 74.00          | -14.26      | peak     |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |

|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1                                                                        |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Vertical                                                                     |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11a Mode 5785MHz (U-NII-3)                                            |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBUV) | Factor (dB/m) | Level (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Detector |
| 1 *                                                                                                                               | 11570.117                                                                    | -3.74          | 47.72         | 43.98          | 54.00          | -10.02      | AVG      |
| 2                                                                                                                                 | 11570.524                                                                    | 13.20          | 47.72         | 60.92          | 74.00          | -13.08      | peak     |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |



|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1                                                                        |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Horizontal                                                                   |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11a Mode 5825MHz (U-NII-3)                                            |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBUV) | Factor (dB/m) | Level (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Detector |
| 1 *                                                                                                                               | 11650.128                                                                    | -3.23          | 47.70         | 44.47          | 54.00          | -9.53       | AVG      |
| 2                                                                                                                                 | 11650.137                                                                    | 13.76          | 47.70         | 61.46          | 74.00          | -12.54      | peak     |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |

|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1                                                                        |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Vertical                                                                     |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11a Mode 5825MHz (U-NII-3)                                            |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| 1 *                                                                                                                               | 11650.271                                                                    | -3.15          | 47.70         | 44.55          | 54.00          | -9.45       | AVG      |
| 2                                                                                                                                 | 11650.437                                                                    | 13.13          | 47.70         | 60.83          | 74.00          | -13.17      | peak     |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |



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|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Horizontal                                                                   |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11n(HT20) Mode 5745MHz (U-NII-3)                                      |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| 1                                                                                                                                 | 11489.833                                                                    | 13.32          | 47.70         | 61.02          | 74.00          | -12.98      | peak     |
| 2 *                                                                                                                               | 11490.188                                                                    | -2.82          | 47.70         | 44.88          | 54.00          | -9.12       | AVG      |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |

|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Vertical                                                                     |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11n(HT20) Mode 5745MHz (U-NII-3)                                      |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBUV) | Factor (dB/m) | Level (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Detector |
| 1                                                                                                                                 | 11489.327                                                                    | 12.92          | 47.70         | 60.62          | 74.00          | -13.38      | peak     |
| 2 *                                                                                                                               | 11489.827                                                                    | -2.28          | 47.70         | 45.42          | 54.00          | -8.58       | AVG      |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |



|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Horizontal                                                                   |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11n(HT20) Mode 5785MHz (U-NII-3)                                      |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| 1                                                                                                                                 | 11569.452                                                                    | 13.00          | 47.72         | 60.72          | 74.00          | -13.28      | peak     |
| 2 *                                                                                                                               | 11570.669                                                                    | -2.96          | 47.72         | 44.76          | 54.00          | -9.24       | AVG      |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |

|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Vertical                                                                     |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11n(HT20) Mode 5785MHz (U-NII-3)                                      |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBUV) | Factor (dB/m) | Level (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Detector |
| 1 *                                                                                                                               | 11569.551                                                                    | -3.57          | 47.72         | 44.15          | 54.00          | -9.85       | AVG      |
| 2                                                                                                                                 | 11570.650                                                                    | 12.44          | 47.72         | 60.16          | 74.00          | -13.84      | peak     |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |



|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Horizontal                                                                   |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11n(HT20) Mode 5825MHz (U-NII-3)                                      |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| 1                                                                                                                                 | 11649.103                                                                    | 13.28          | 47.69         | 60.97          | 74.00          | -13.03      | peak     |
| 2 *                                                                                                                               | 11650.477                                                                    | -2.72          | 47.70         | 44.98          | 54.00          | -9.02       | AVG      |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |

|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Vertical                                                                     |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11n(HT20) Mode 5825MHz (U-NII-3)                                      |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| 1                                                                                                                                 | 11650.447                                                                    | 13.85          | 47.70         | 61.55          | 74.00          | -12.45      | peak     |
| 2 *                                                                                                                               | 11650.855                                                                    | -2.94          | 47.70         | 44.76          | 54.00          | -9.24       | AVG      |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |



|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Horizontal                                                                   |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11n(HT40) Mode 5755MHz (U-NII-3)                                      |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBUV) | Factor (dB/m) | Level (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Detector |
| 1                                                                                                                                 | 11509.545                                                                    | 12.80          | 47.70         | 60.50          | 74.00          | -13.50      | peak     |
| 2 *                                                                                                                               | 11510.985                                                                    | -1.84          | 47.70         | 45.86          | 54.00          | -8.14       | AVG      |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |

|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Vertical                                                                     |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11n(HT40) Mode 5755MHz (U-NII-3)                                      |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBUV) | Factor (dB/m) | Level (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Detector |
| 1                                                                                                                                 | 11509.182                                                                    | 12.96          | 47.70         | 60.66          | 74.00          | -13.34      | peak     |
| 2 *                                                                                                                               | 11510.391                                                                    | -1.77          | 47.70         | 45.93          | 54.00          | -8.07       | AVG      |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |



|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Horizontal                                                                   |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11n(HT40) Mode 5795MHz (U-NII-3)                                      |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| 1 *                                                                                                                               | 11589.085                                                                    | -1.98          | 47.73         | 45.75          | 54.00          | -8.25       | AVG      |
| 2                                                                                                                                 | 11590.534                                                                    | 14.00          | 47.73         | 61.73          | 74.00          | -12.27      | peak     |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |

|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Vertical                                                                     |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11n(HT40) Mode 5795MHz (U-NII-3)                                      |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
| 1 *                                                                                                                               | 11589.251                                                                    | -2.07          | 47.73         | 45.66          | 54.00          | -8.34       | AVG      |
| 2                                                                                                                                 | 11589.789                                                                    | 13.84          | 47.73         | 61.57          | 74.00          | -12.43      | peak     |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |



|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Horizontal                                                                   |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11ac(VHT80) Mode 5775MHz (U-NII-3)                                    |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBUV) | Factor (dB/m) | Level (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Detector |
| 1 *                                                                                                                               | 11549.107                                                                    | -1.20          | 47.71         | 46.51          | 54.00          | -7.49       | AVG      |
| 2                                                                                                                                 | 11549.786                                                                    | 12.46          | 47.71         | 60.17          | 74.00          | -13.83      | peak     |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |

|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------|----------------|----------------|-------------|----------|
| Ant. No.                                                                                                                          | Ant 1 + Ant 2                                                                |                |               |                |                |             |          |
| Ant. Pol.                                                                                                                         | Vertical                                                                     |                |               |                |                |             |          |
| Test Mode:                                                                                                                        | TX 802.11ac(VHT80) Mode 5775MHz (U-NII-3)                                    |                |               |                |                |             |          |
| Remark:                                                                                                                           | No report for the emission which more than 20 dB below the prescribed limit. |                |               |                |                |             |          |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| No.                                                                                                                               | Frequency (MHz)                                                              | Reading (dBUV) | Factor (dB/m) | Level (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Detector |
| 1                                                                                                                                 | 11549.657                                                                    | 12.87          | 47.71         | 60.58          | 74.00          | -13.42      | peak     |
| 2 *                                                                                                                               | 11550.839                                                                    | -1.54          | 47.72         | 46.18          | 54.00          | -7.82       | AVG      |
|                                                                                                                                   |                                                                              |                |               |                |                |             |          |
| Remarks:<br>1.Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor<br>2.Margin value = Level -Limit value |                                                                              |                |               |                |                |             |          |

### 3.3. Band Edge Emissions

#### Limit

Limits of unwanted emission out of the restricted bands

FCC CFR Title 47 Part 15 Subpart E Section 15. 407(b)

| Frequency<br>(MHz) | EIRP Limits<br>(dBm) | Equivalent Field Strength<br>at 3m (dBμV/m) |
|--------------------|----------------------|---------------------------------------------|
| 5150~5250          | -27                  | 68.2                                        |
| 5250~5350          | -27                  | 68.2                                        |
| 5470~5725          | -27                  | 68.2                                        |
| 5725~5825          | -27 (Note 2)         | 68.2                                        |
|                    | 10 (Note 2)          | 105.2                                       |
|                    | 15.6 (Note 2)        | 110.8                                       |
|                    | 27 (Note 2)          | 122.2                                       |

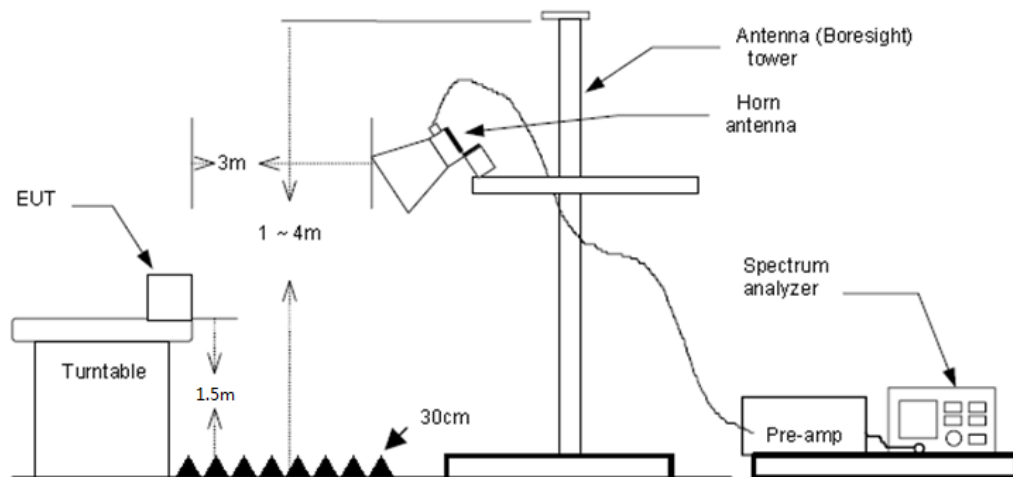
Note:

1. The following formula is used to convert the equipment isotropic radiated power (eirp) to field

strength:  $E = \frac{1000000\sqrt{30P}}{3} \mu\text{V/m}$ , where P is the eirp (Watts).

2. According to FCC 16-24, 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 25MHz 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 27dBm/MHz at the band edge.

#### Test Configuration





### **Test Procedure**

1. The EUT was setup and tested according to ANSI C63.10:2013 requirements.
2. The EUT is placed on a turn table which is 1.5 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
3. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.
4. The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10:2013 on radiated measurement.
5. The receiver set as follow:  
RBW=1MHz, VBW=3MHz Peak detector for Peak value.  
RBW=1MHz, VBW see note 1 with Peak Detector for Average Value.

Note 1: For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector for average measurements. For the Duty Cycle please refer to clause Duty Cycle.

### **Test Mode**

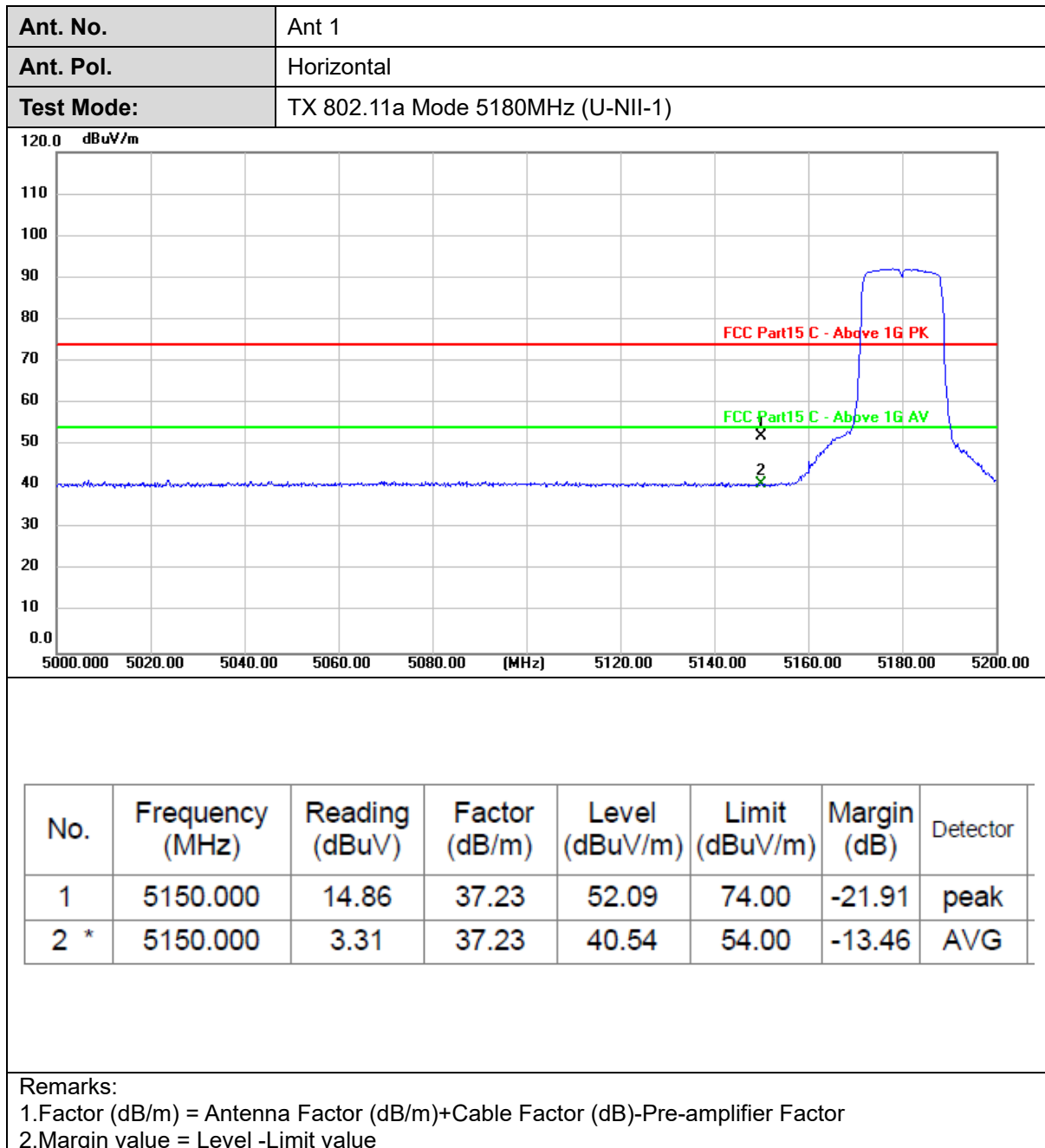
Please refer to the clause 2.4.

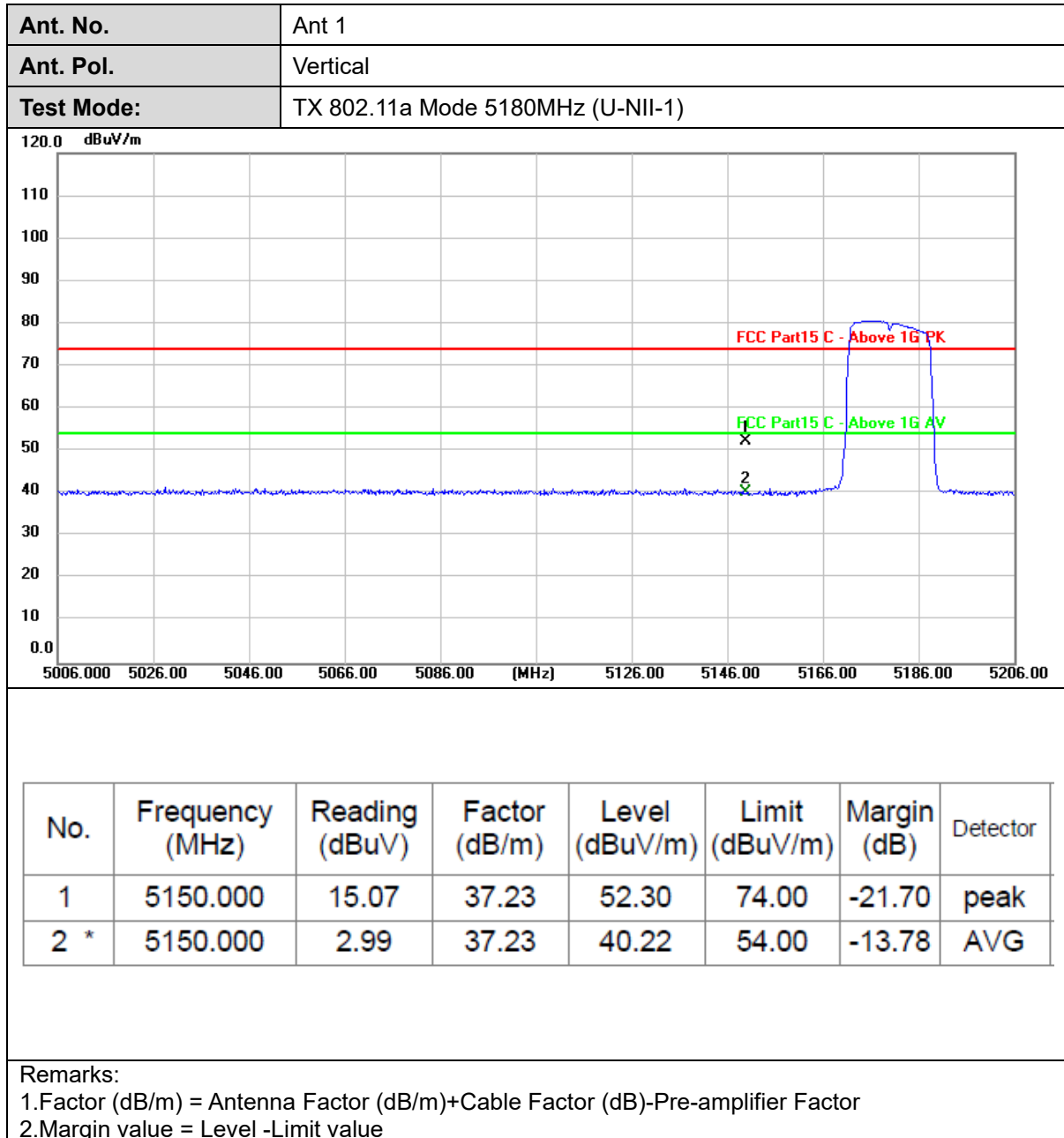


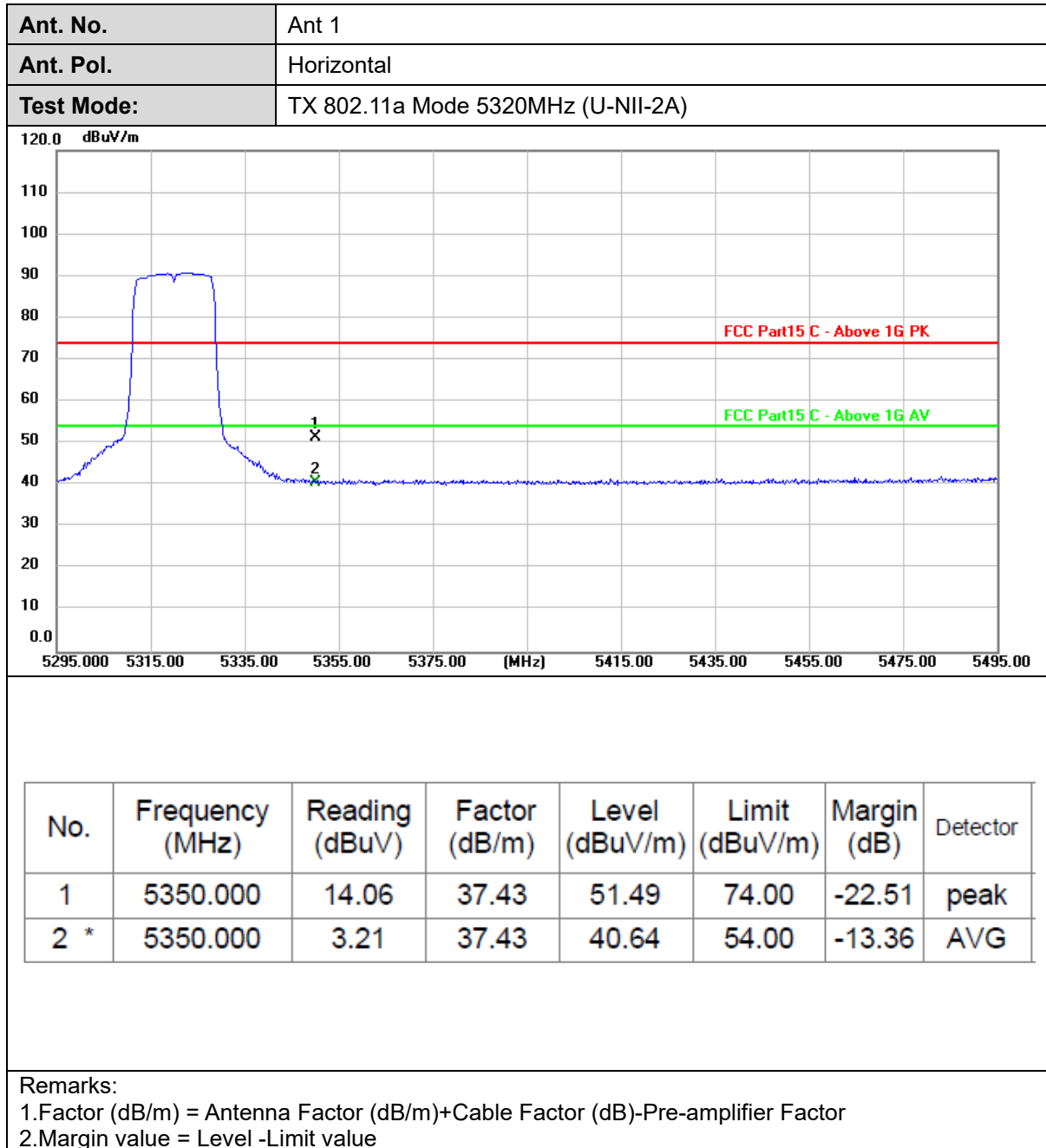
## Test Result

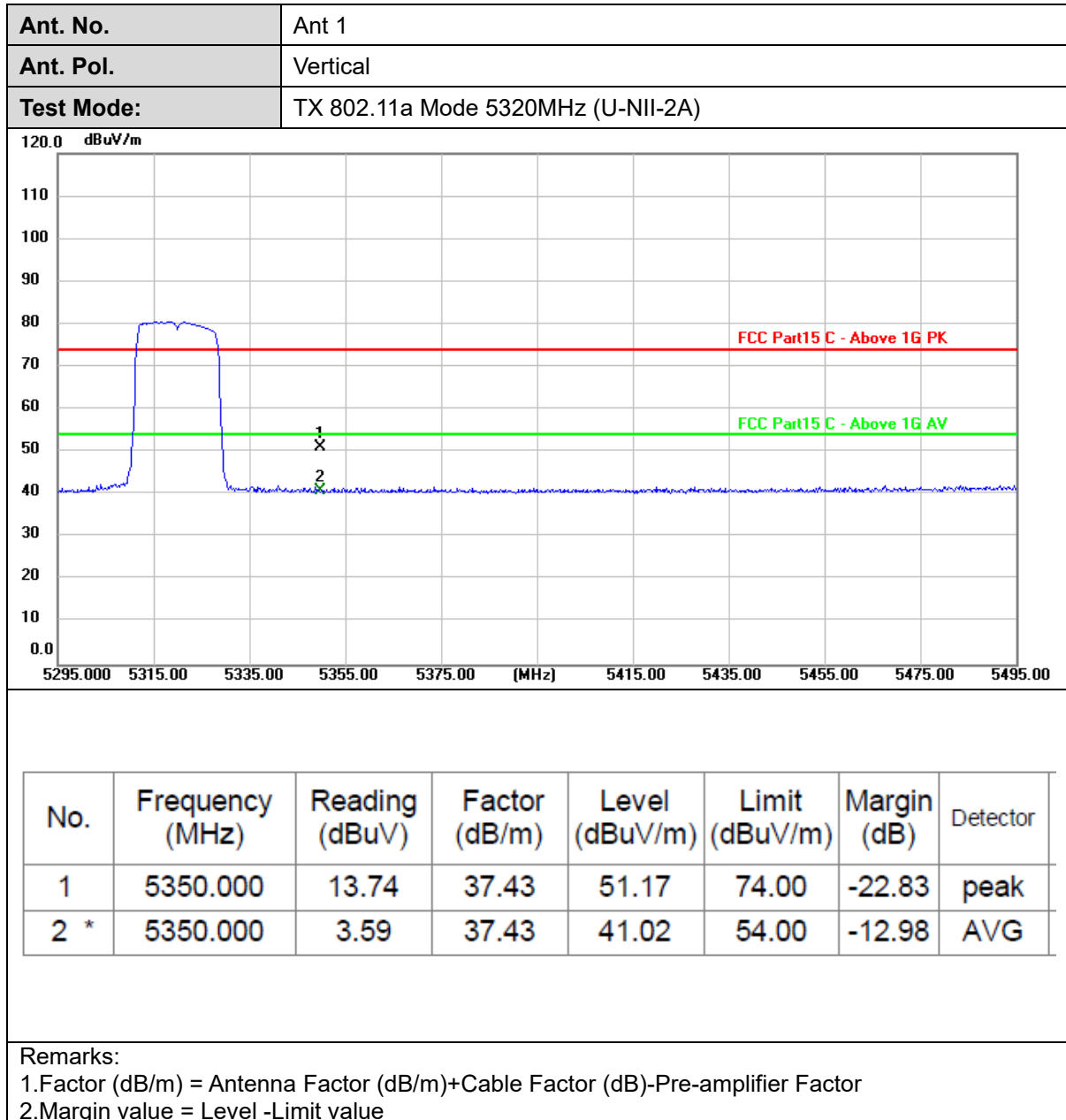
Note: 1. Pre-scan both 4500-5150MHz, 5350-5460MHz were investigated, report only shows the test data for worst case.

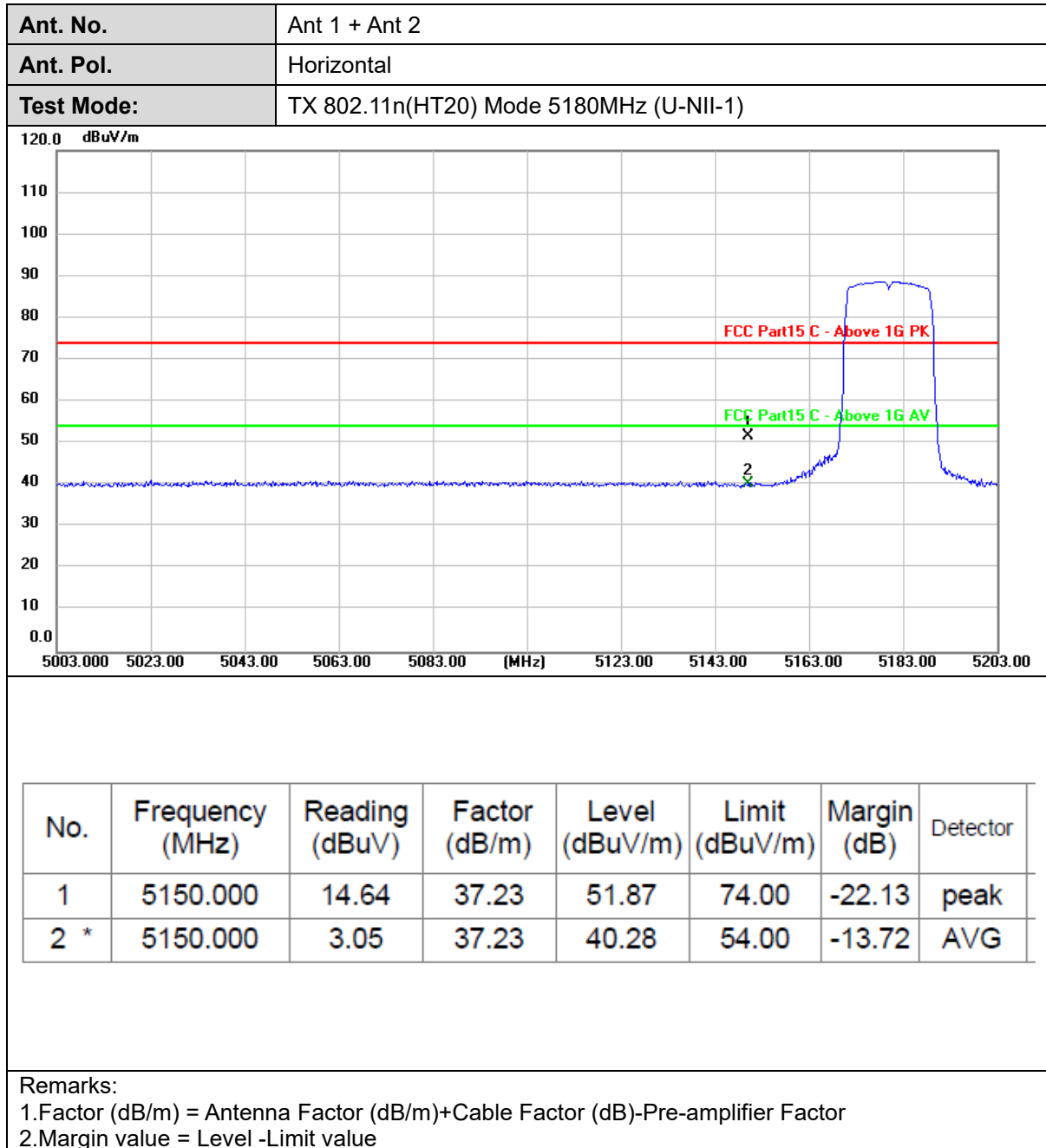
2. Pre-scan all antenna, only show the test data for worse case antenna on the test report.

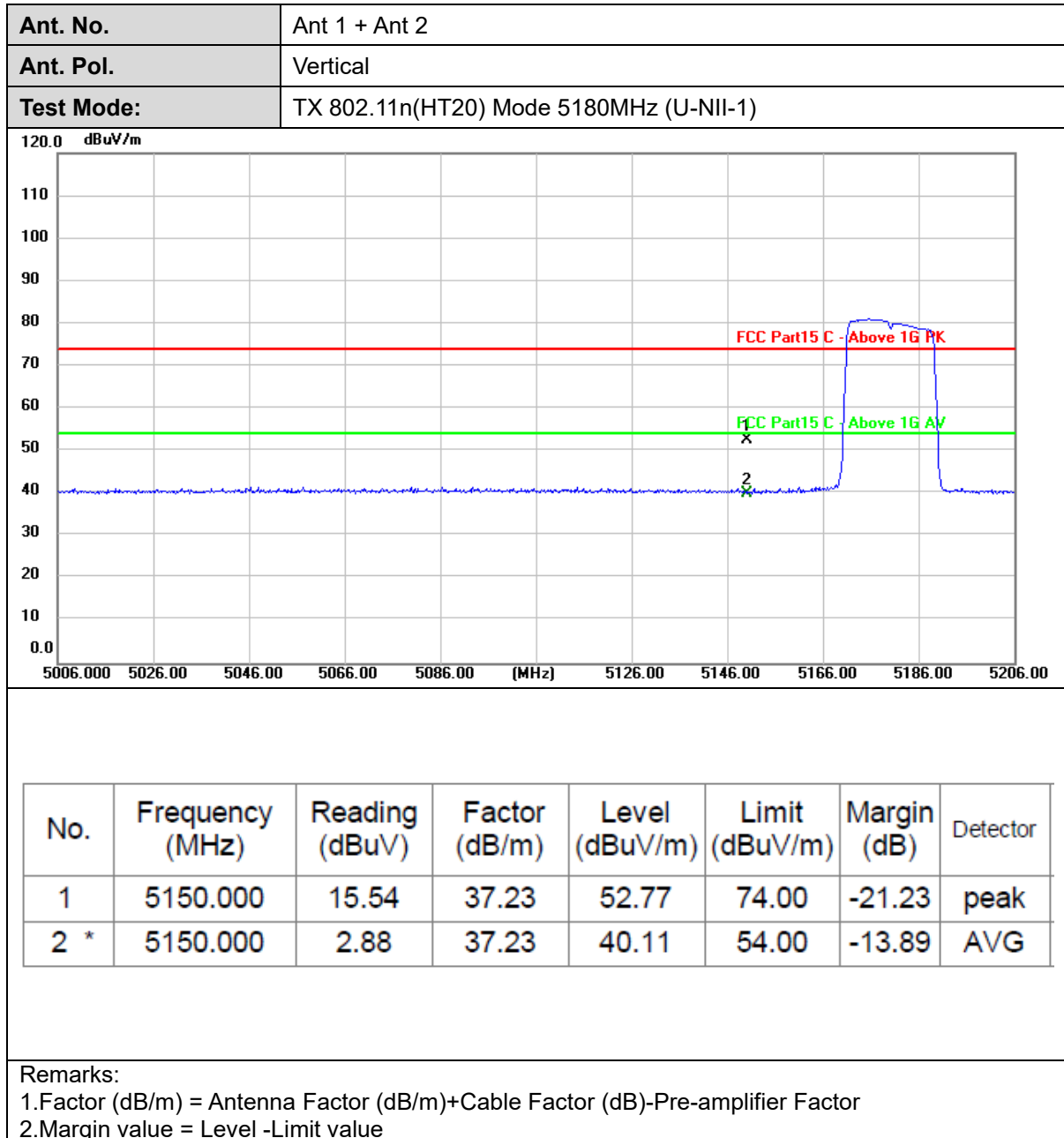


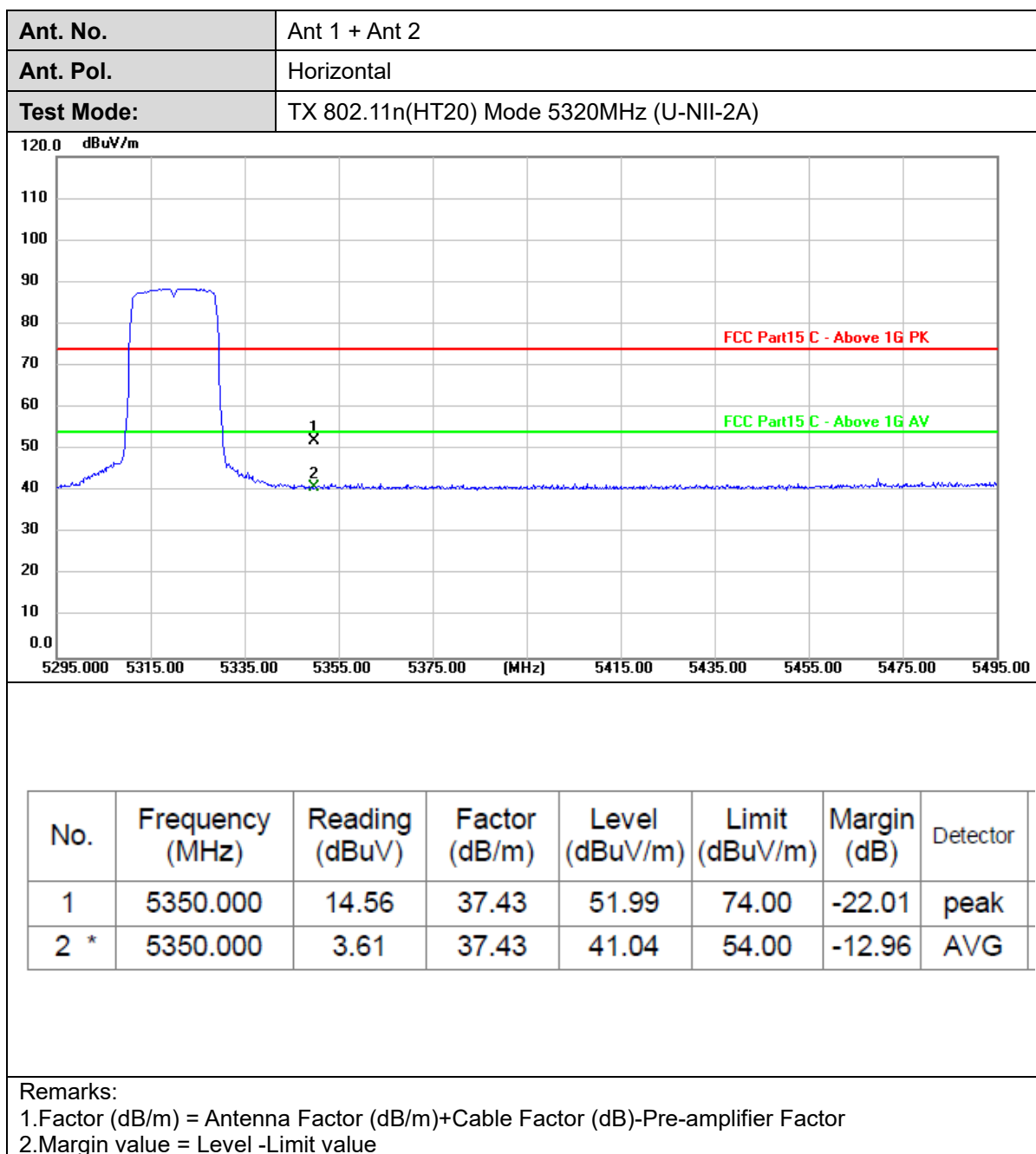


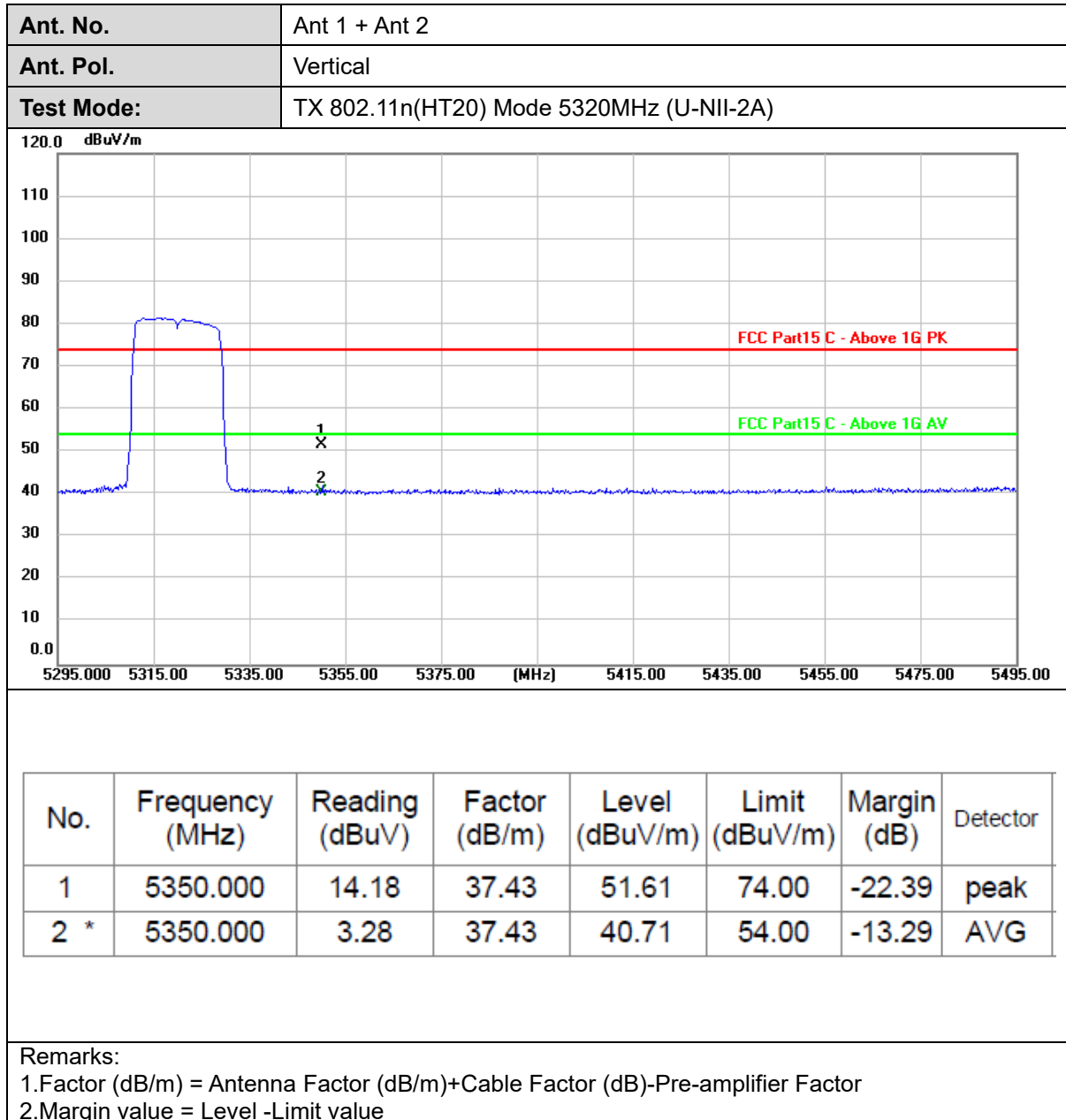


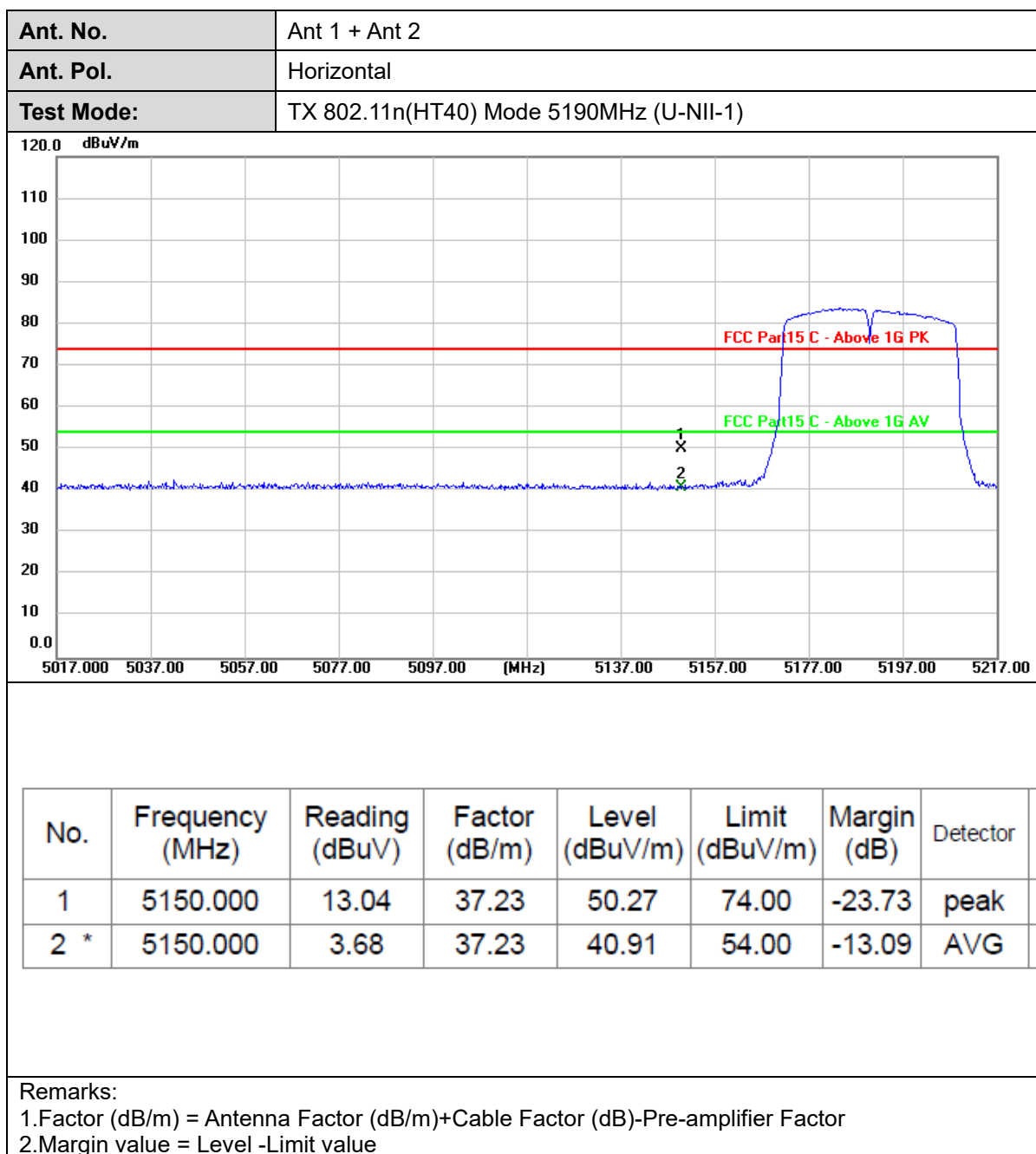


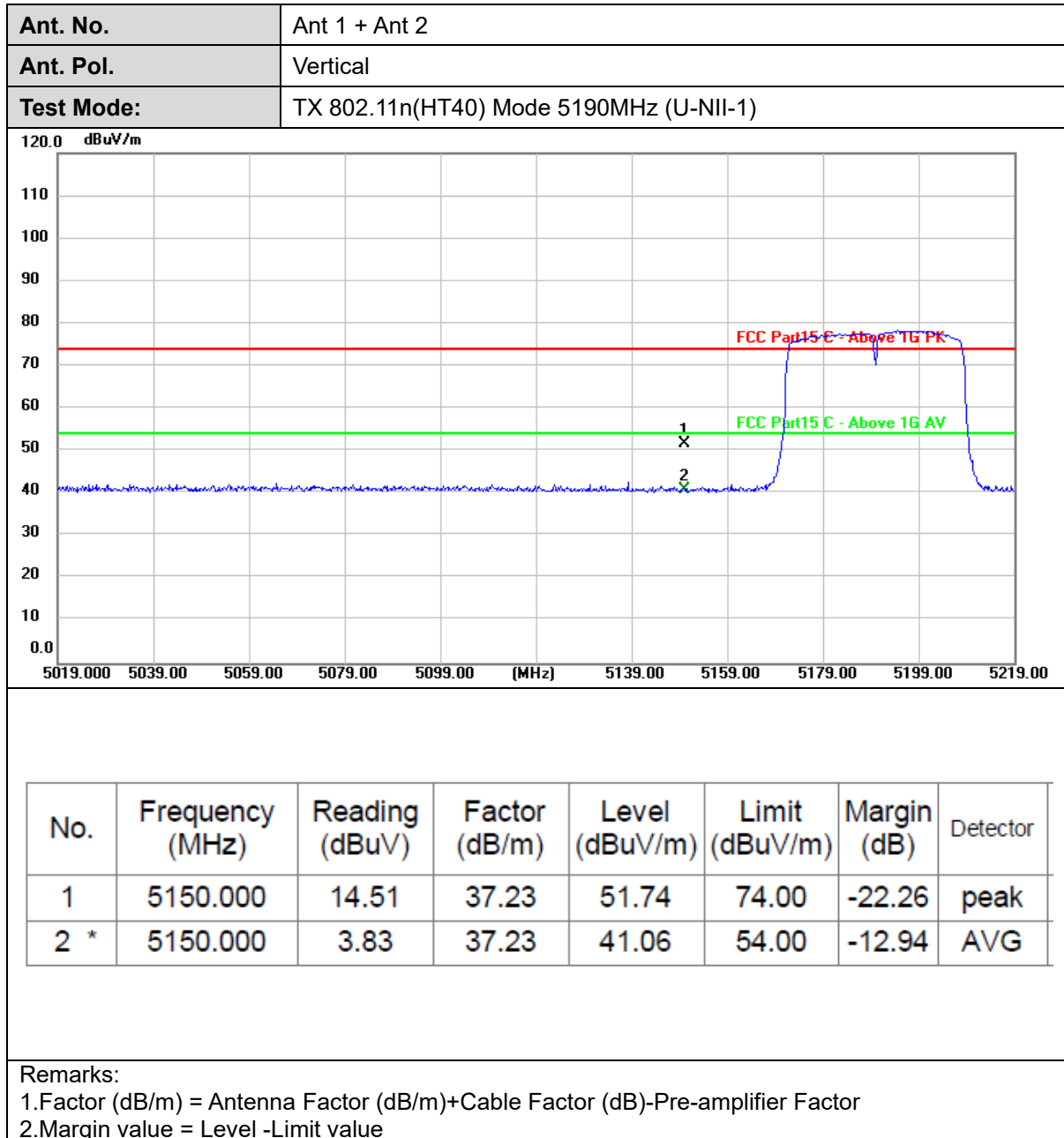


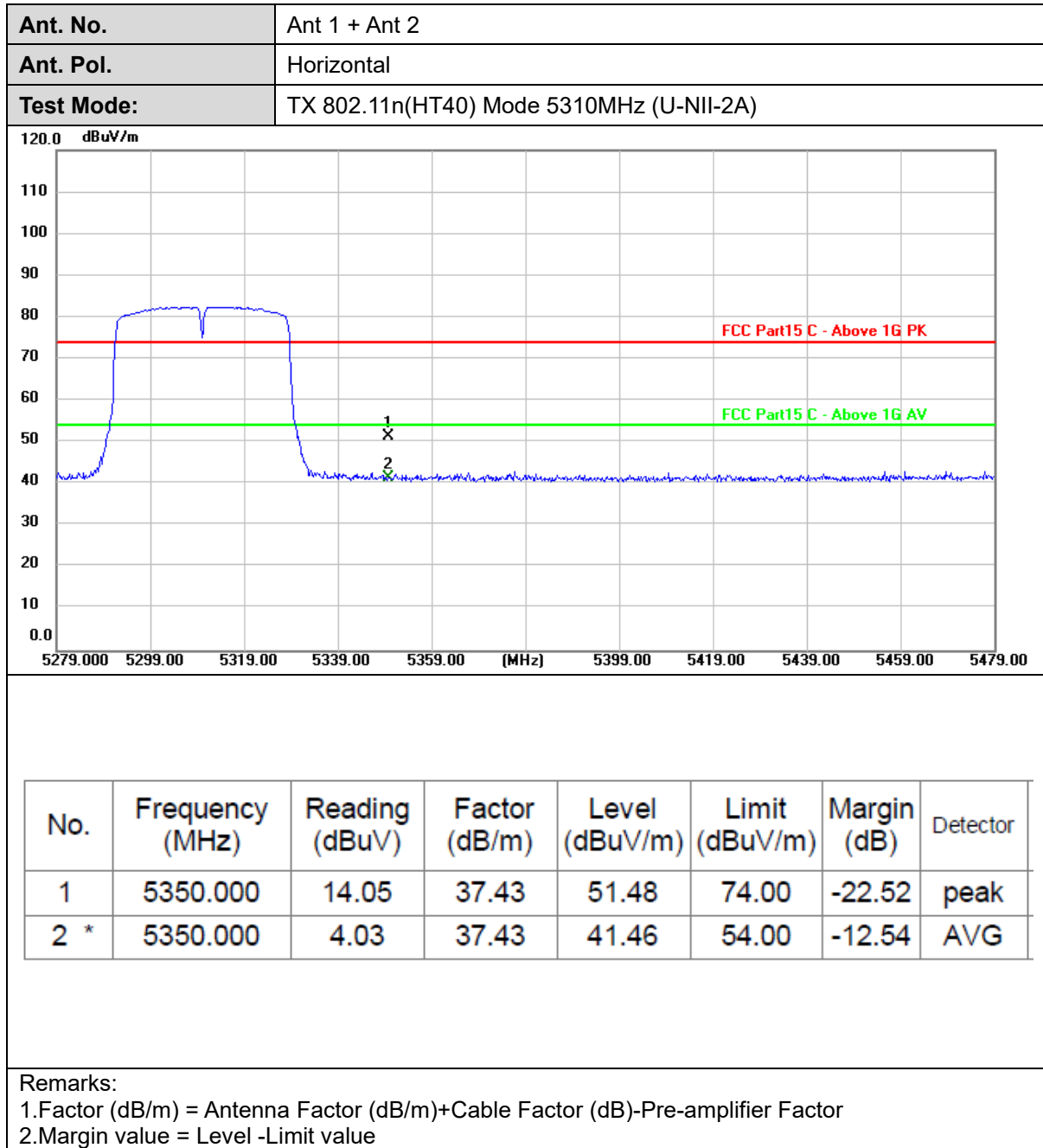


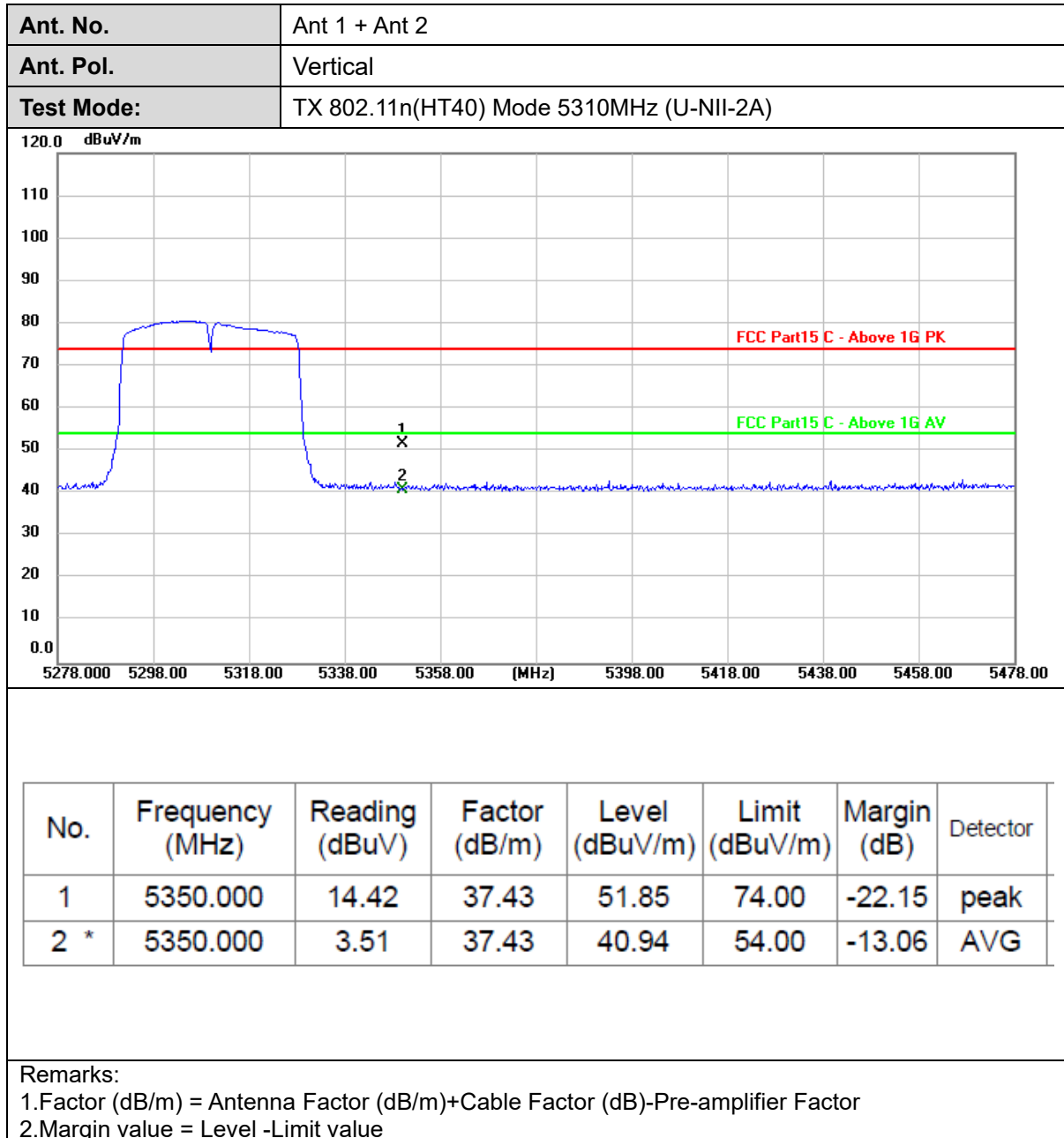


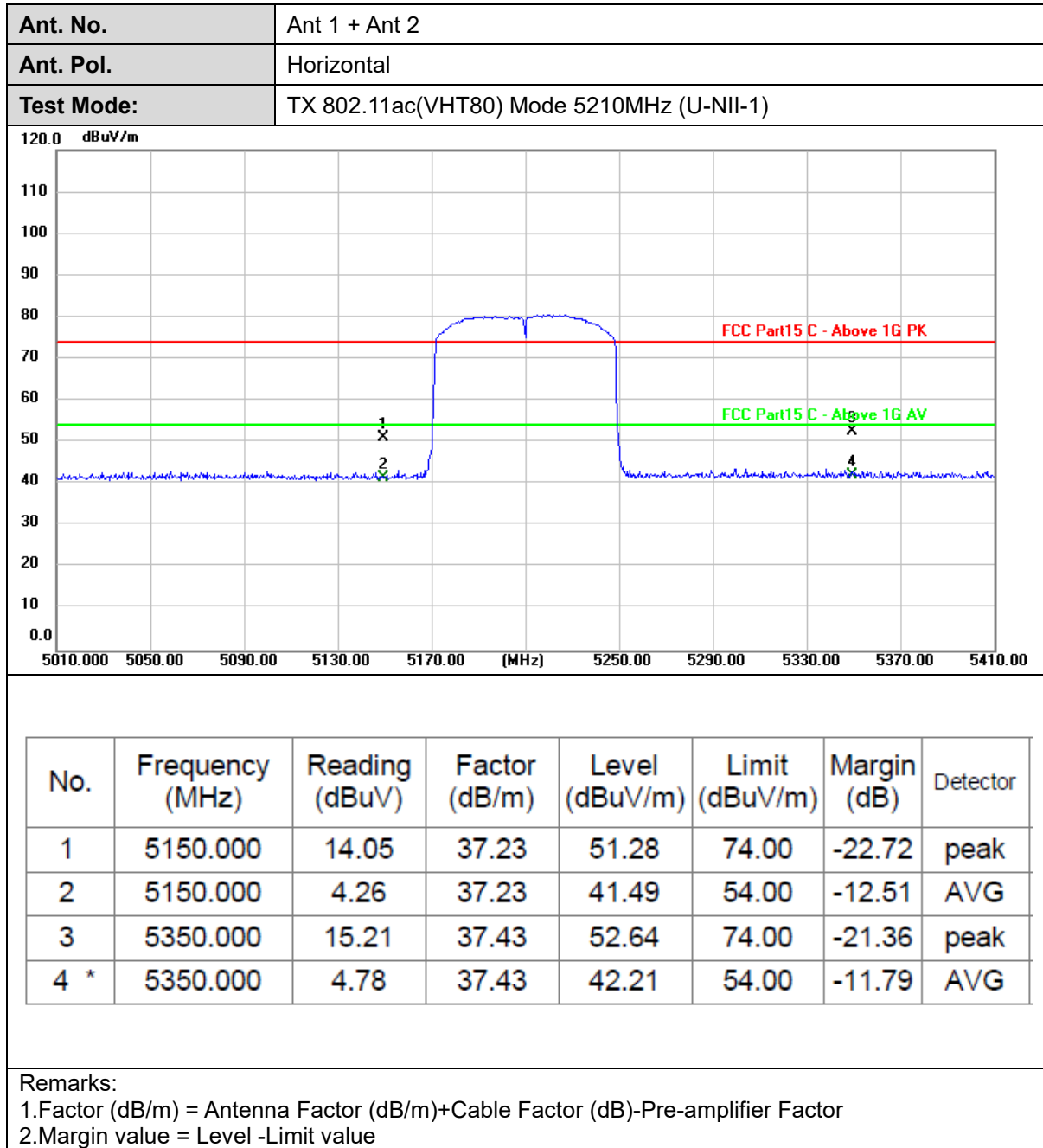


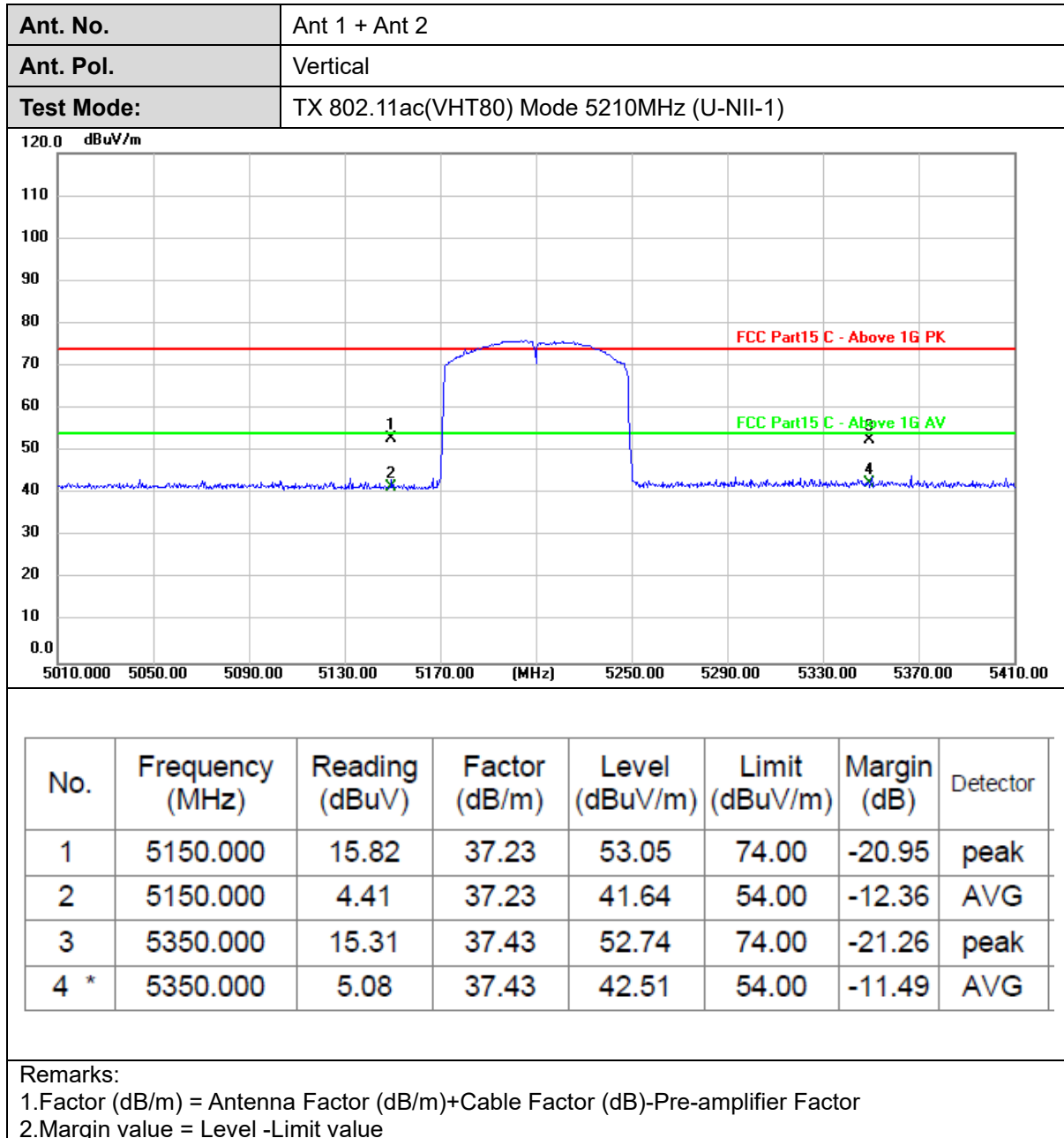


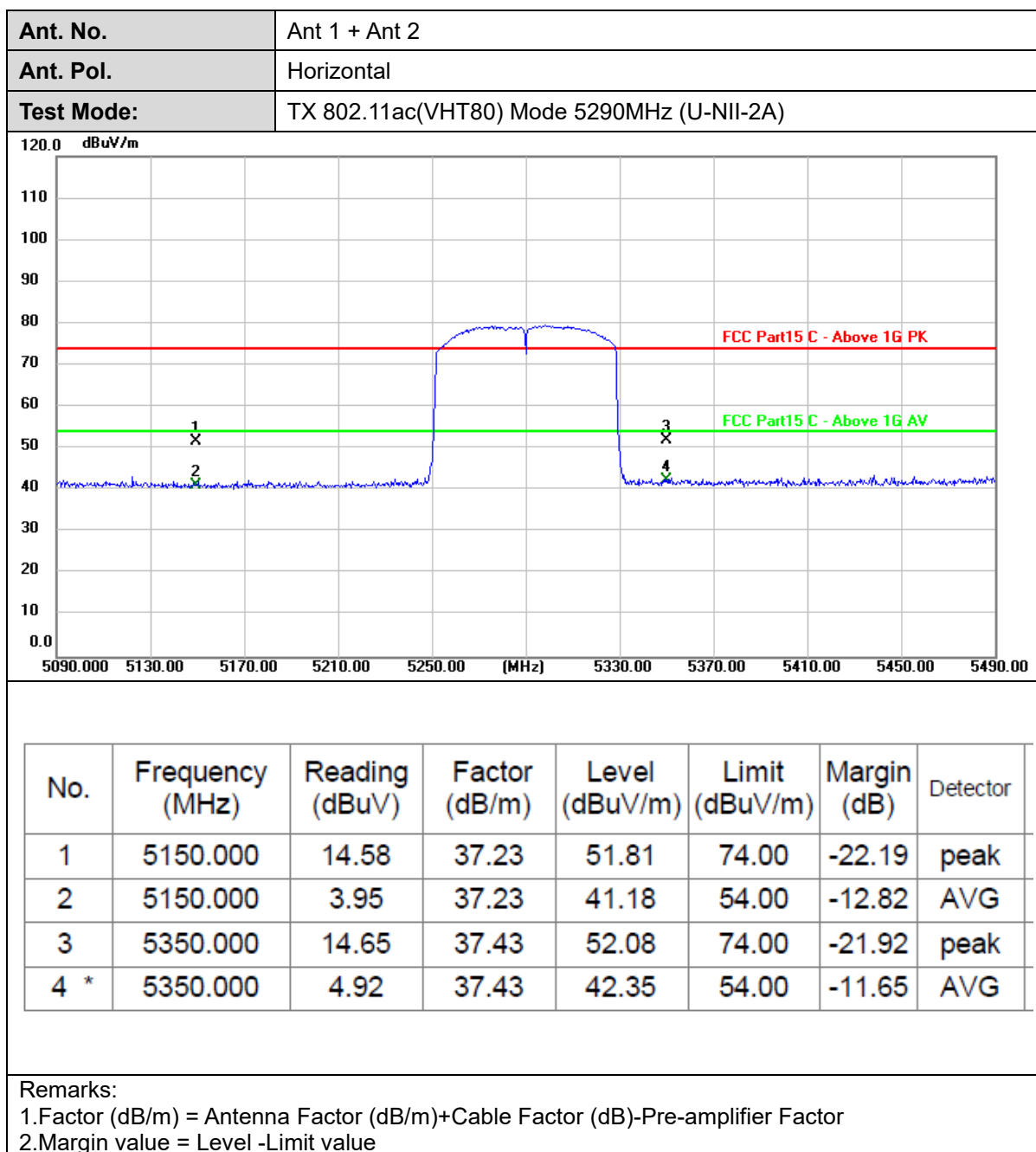


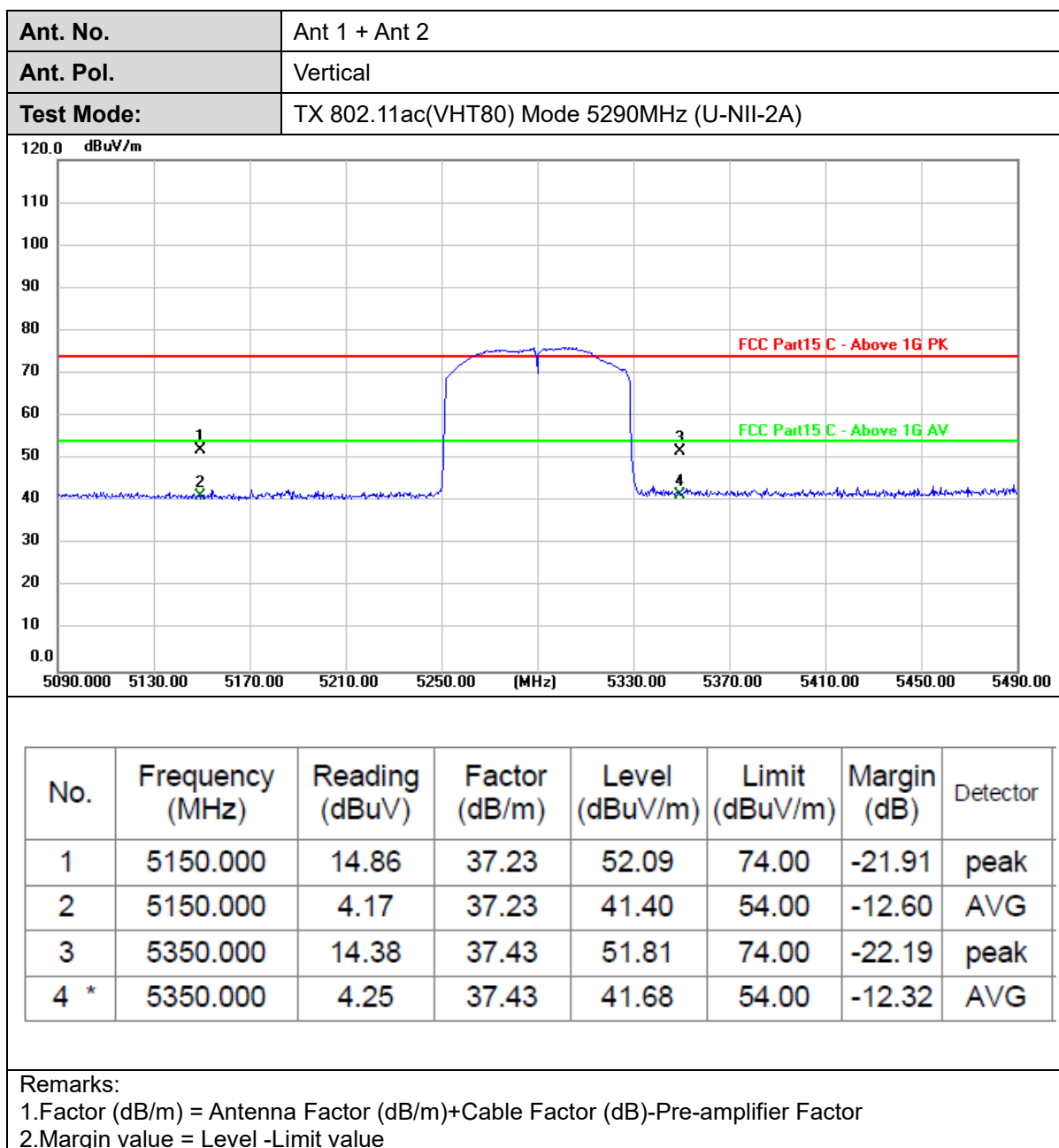


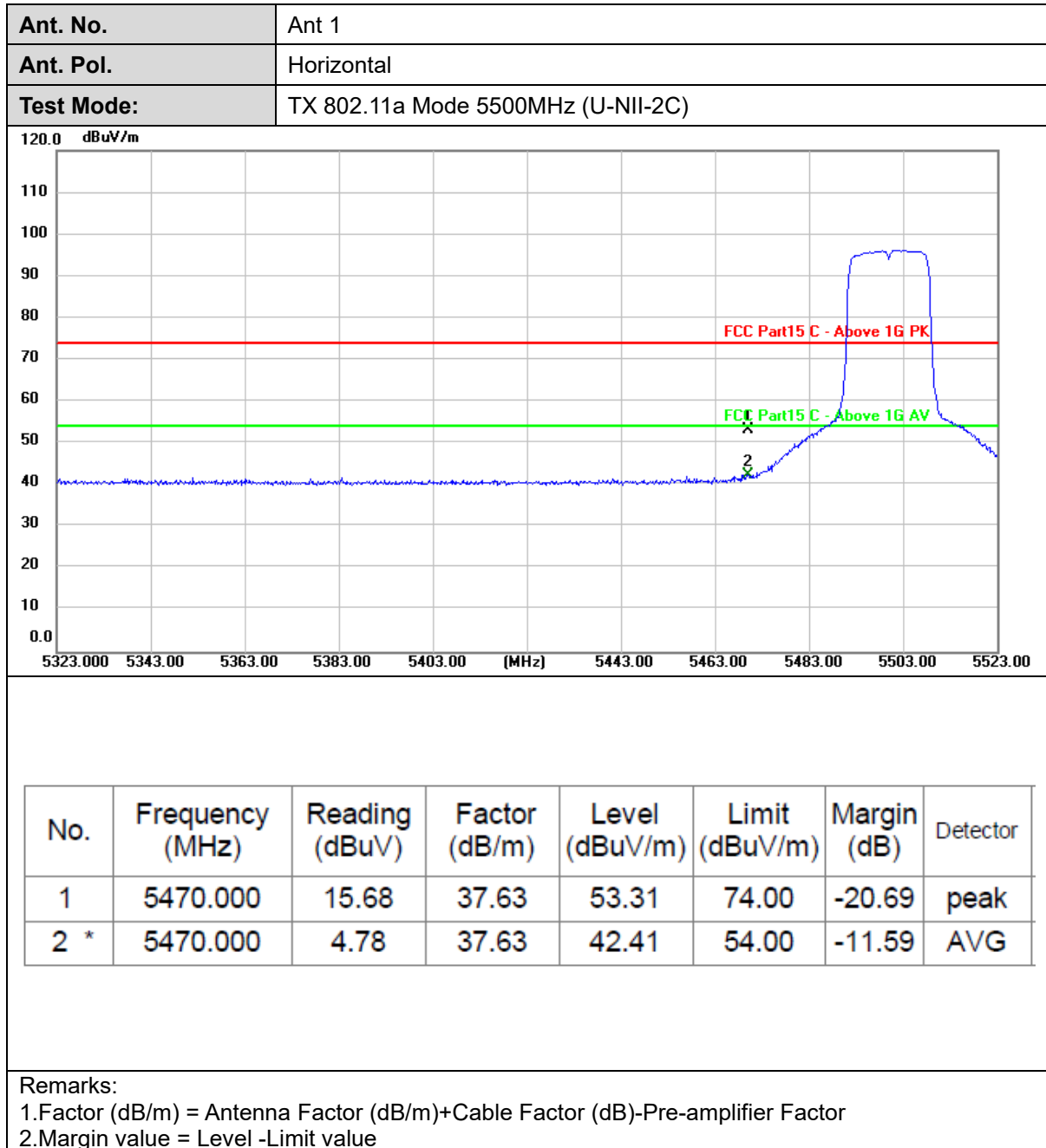


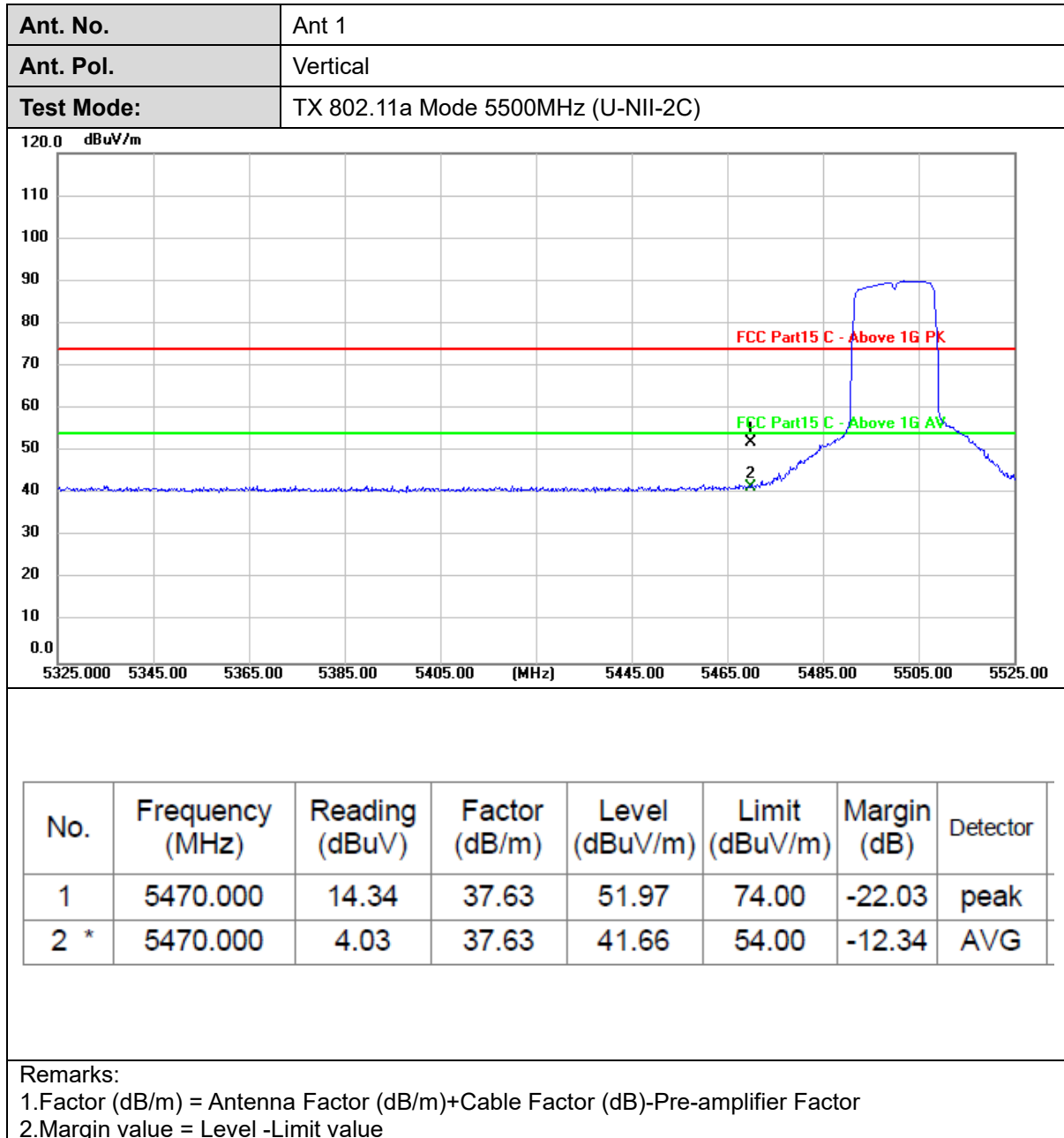


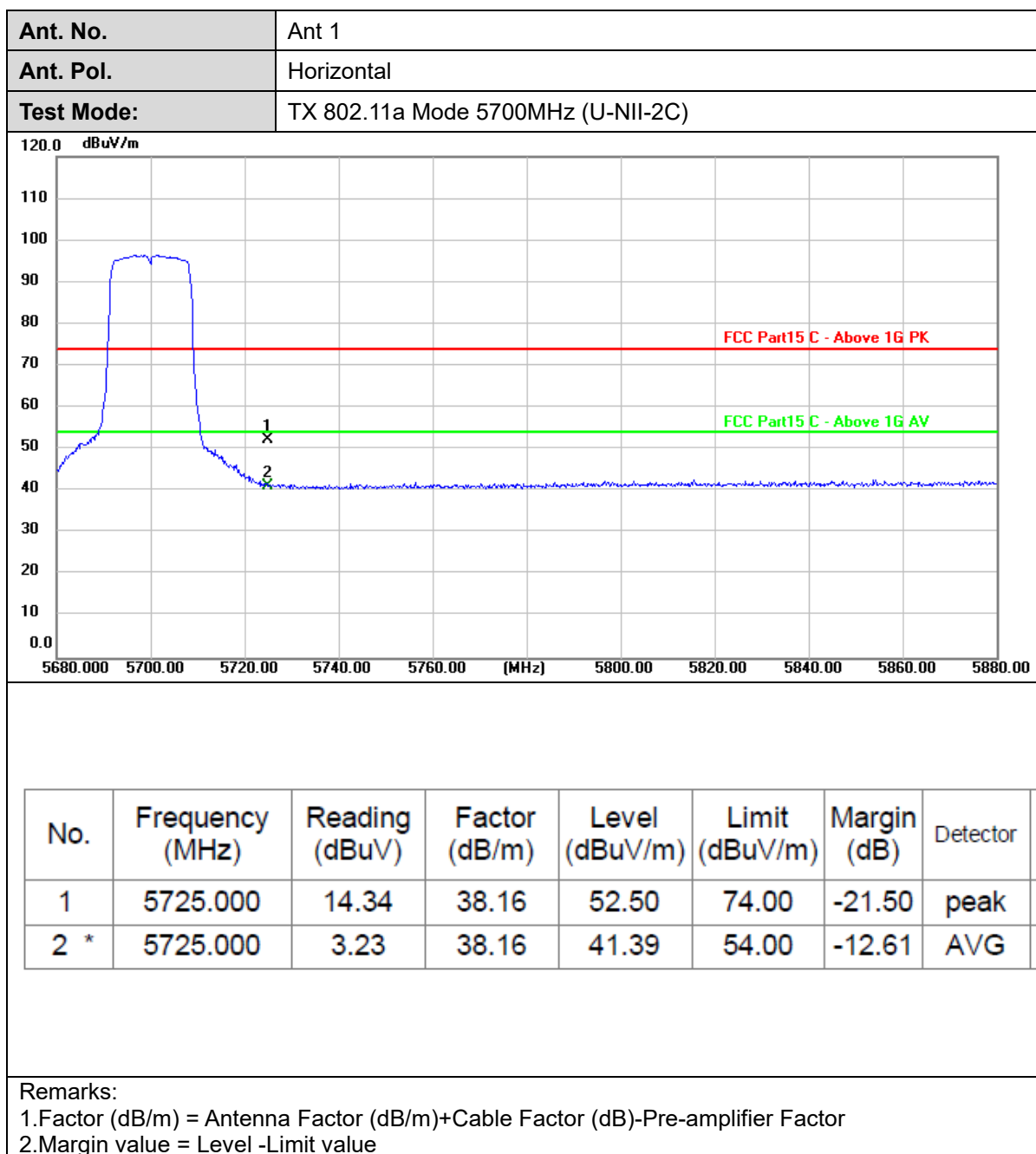


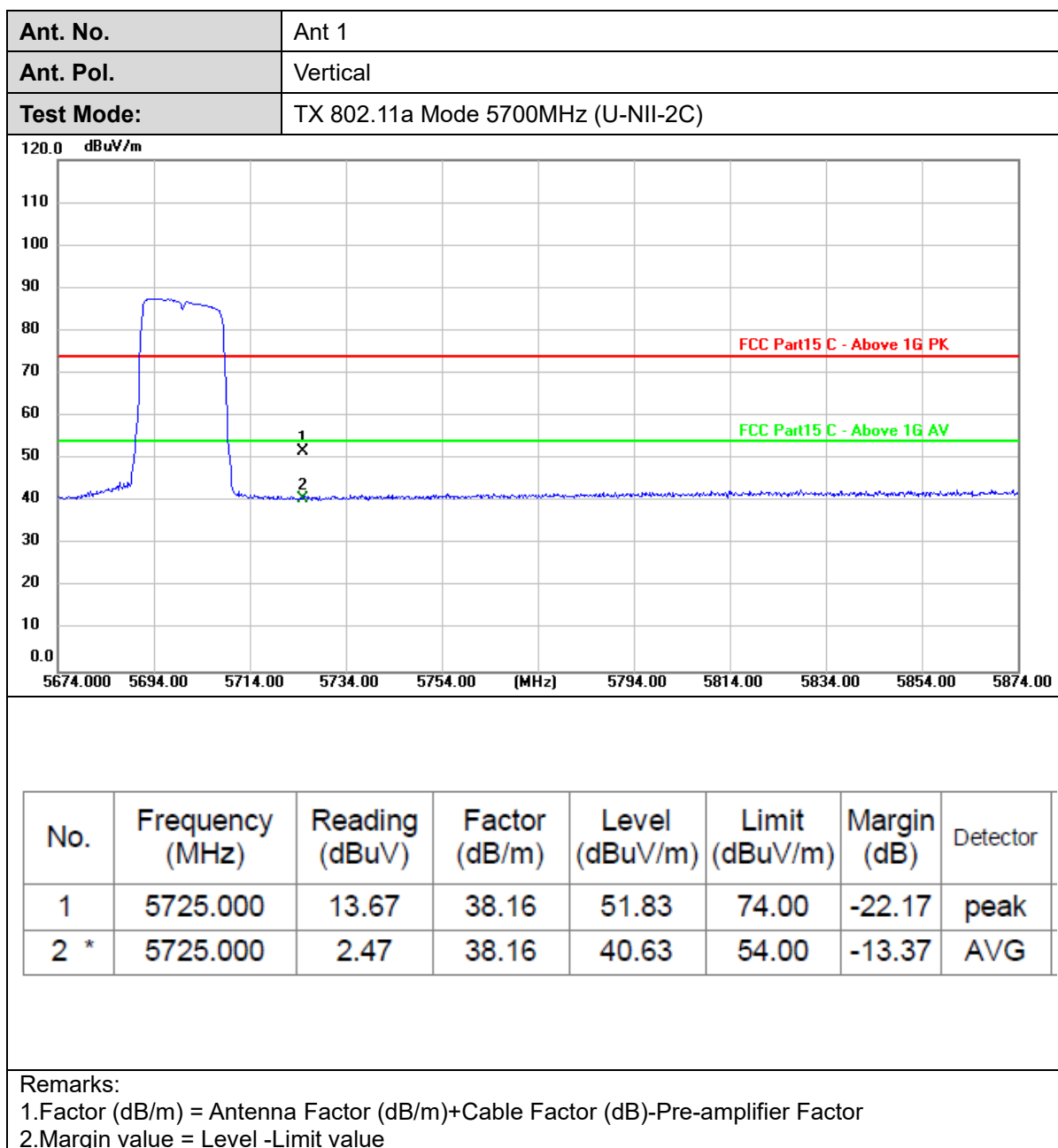


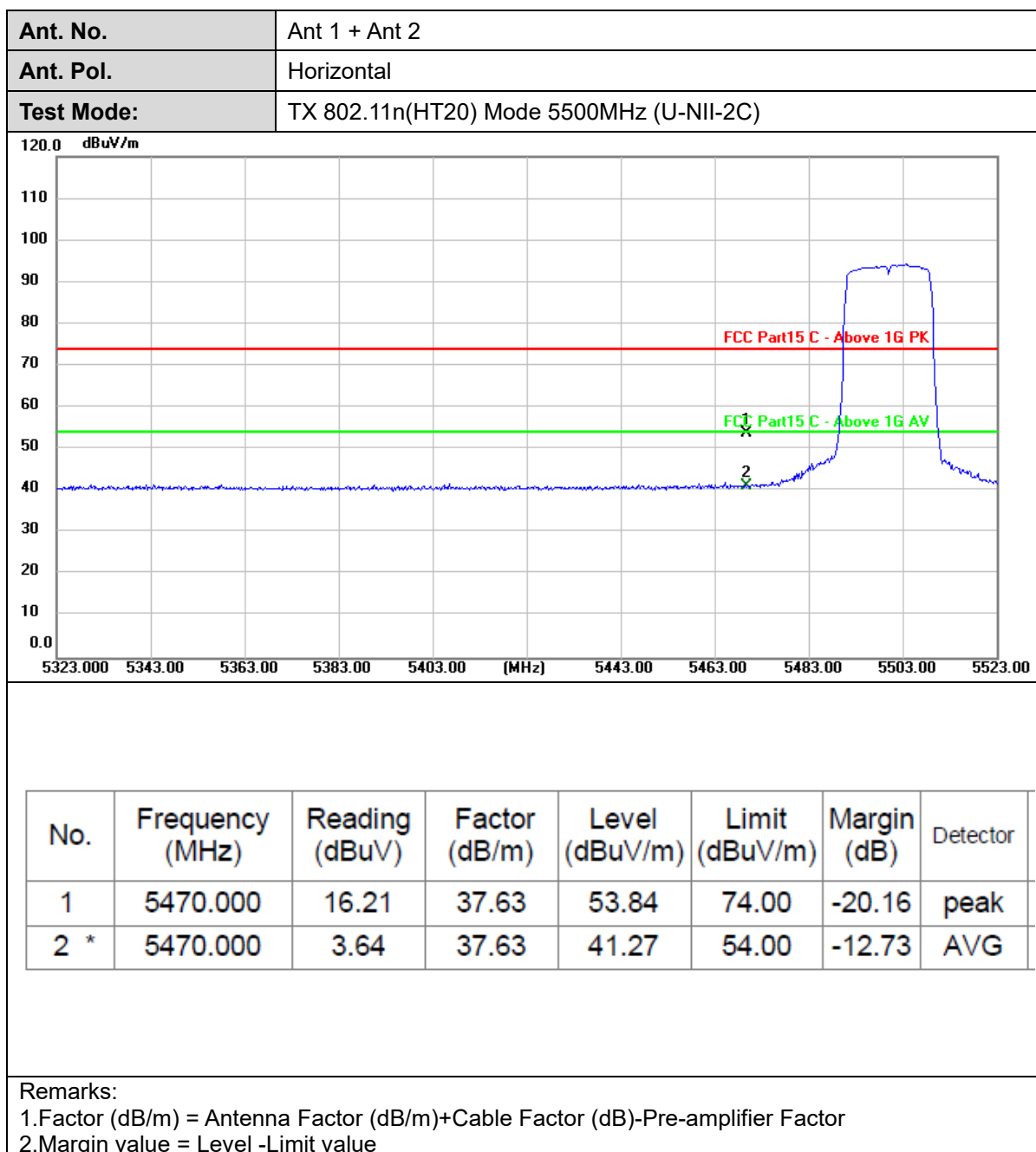


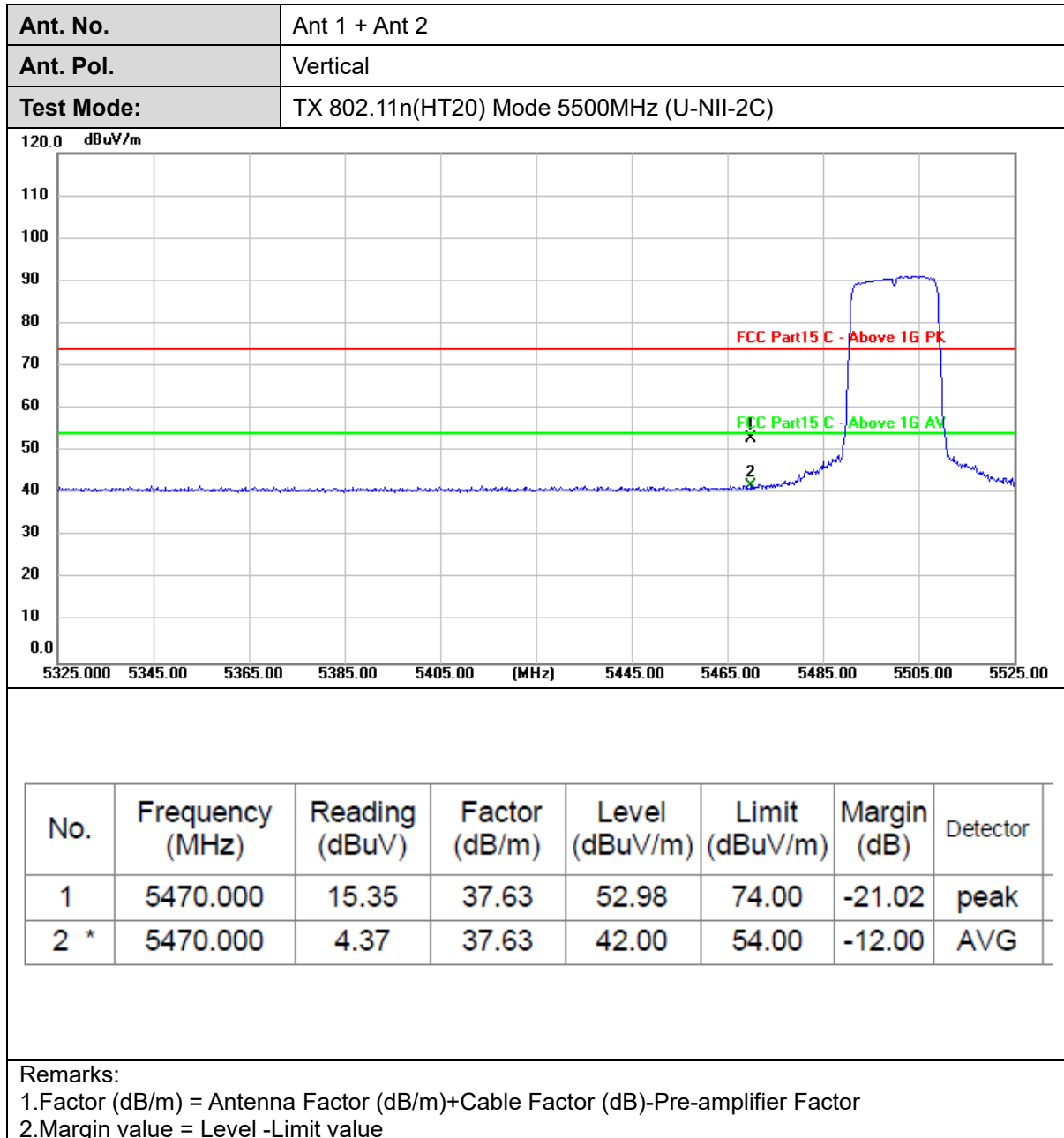


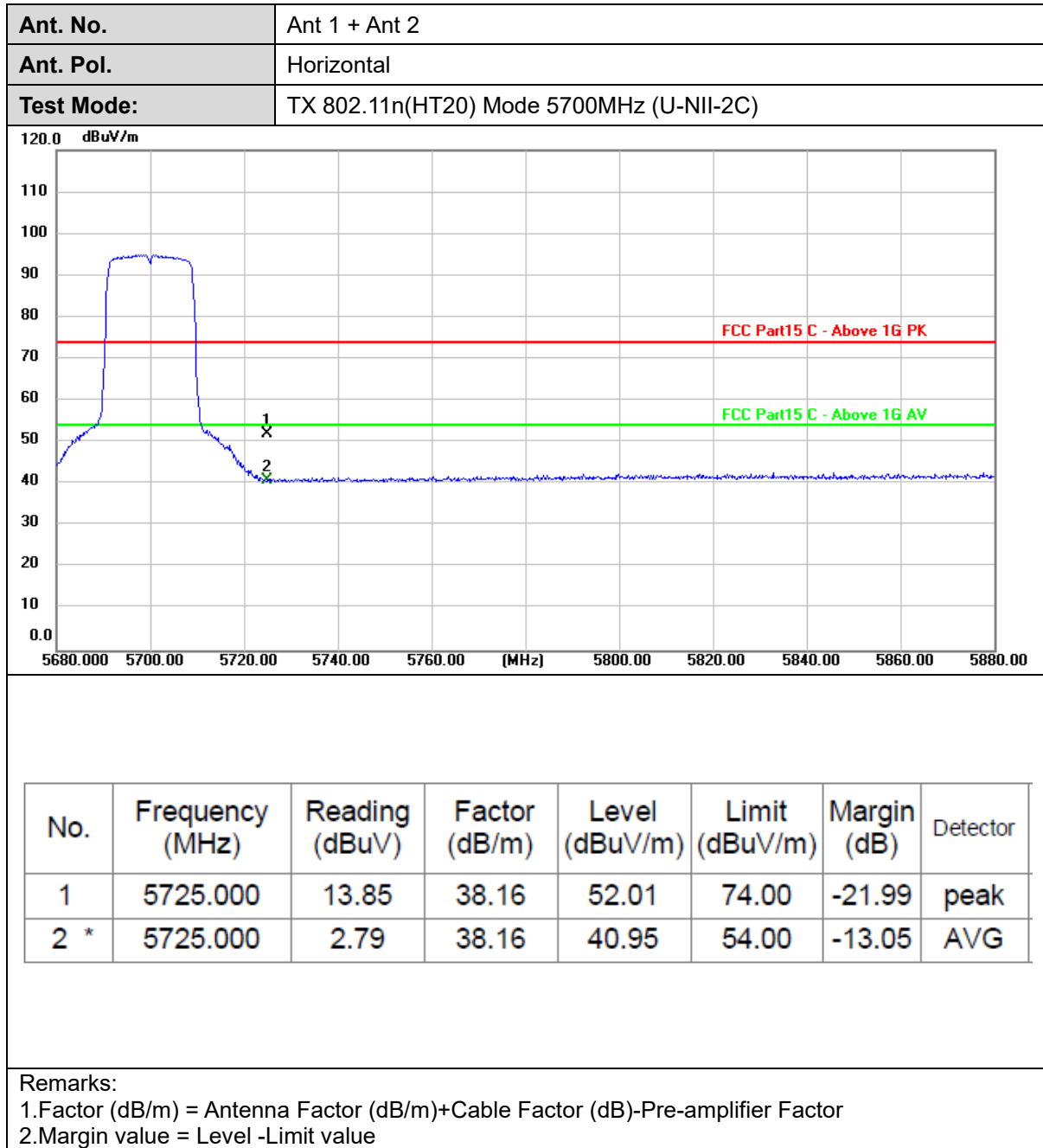


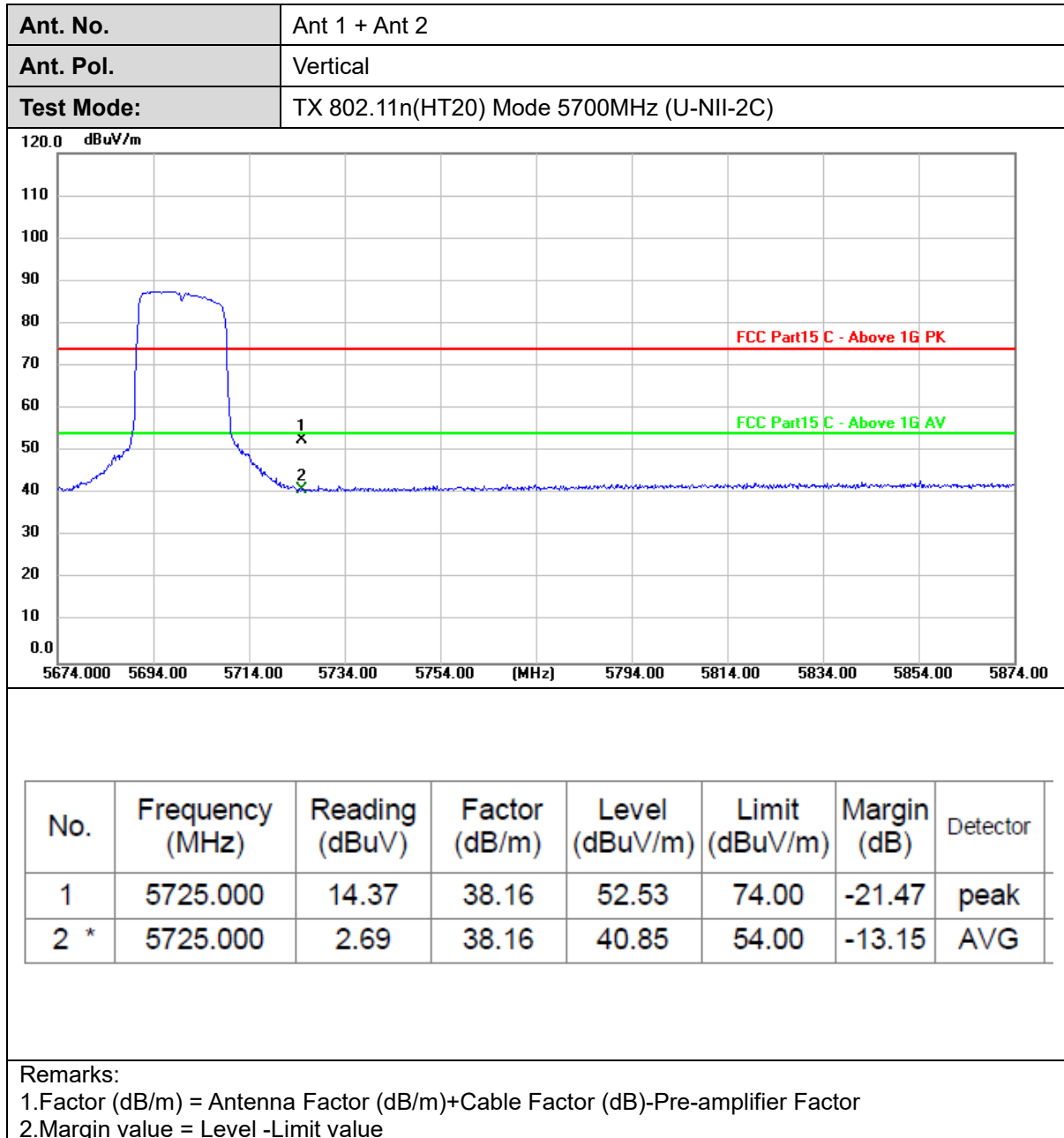


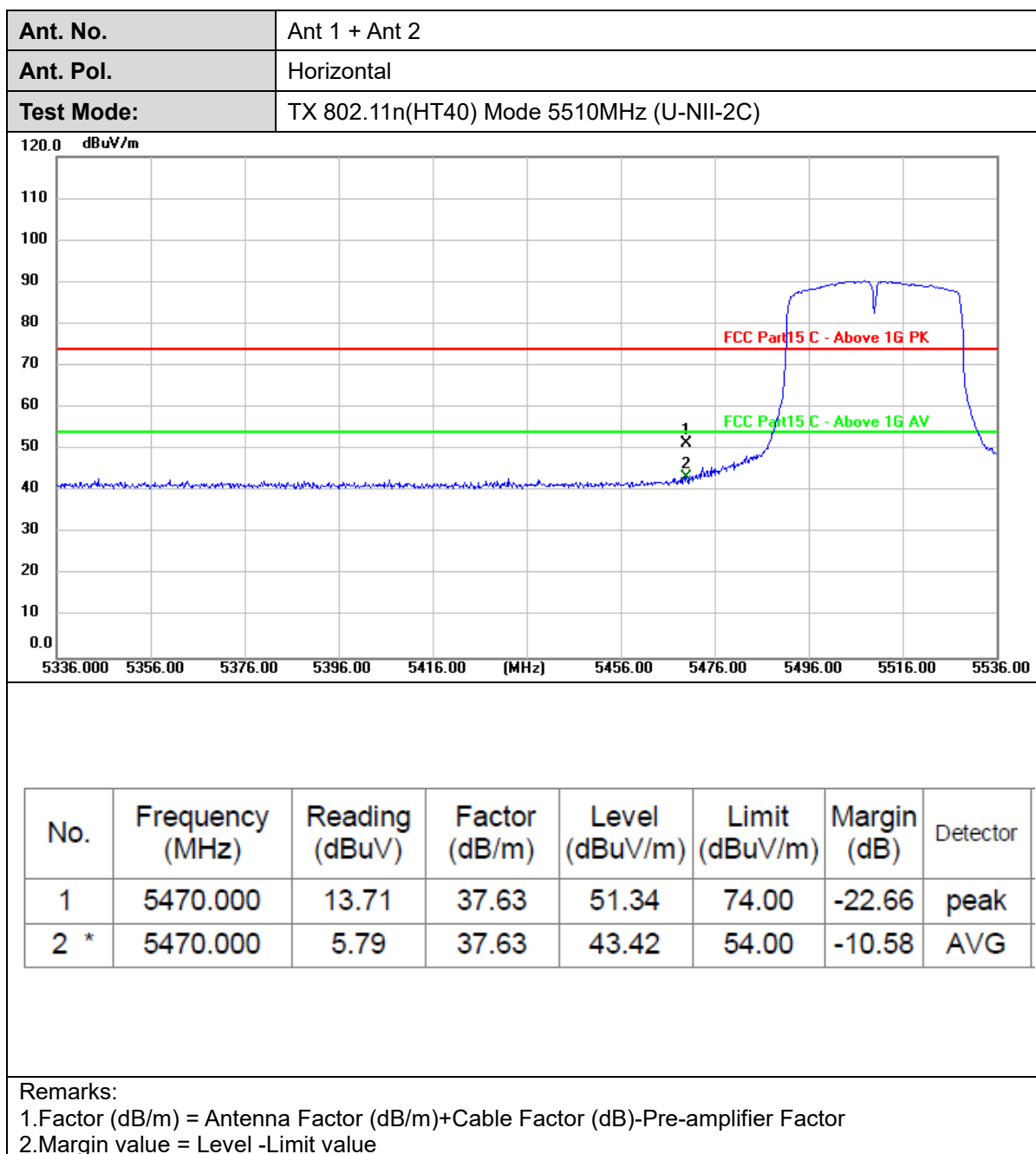


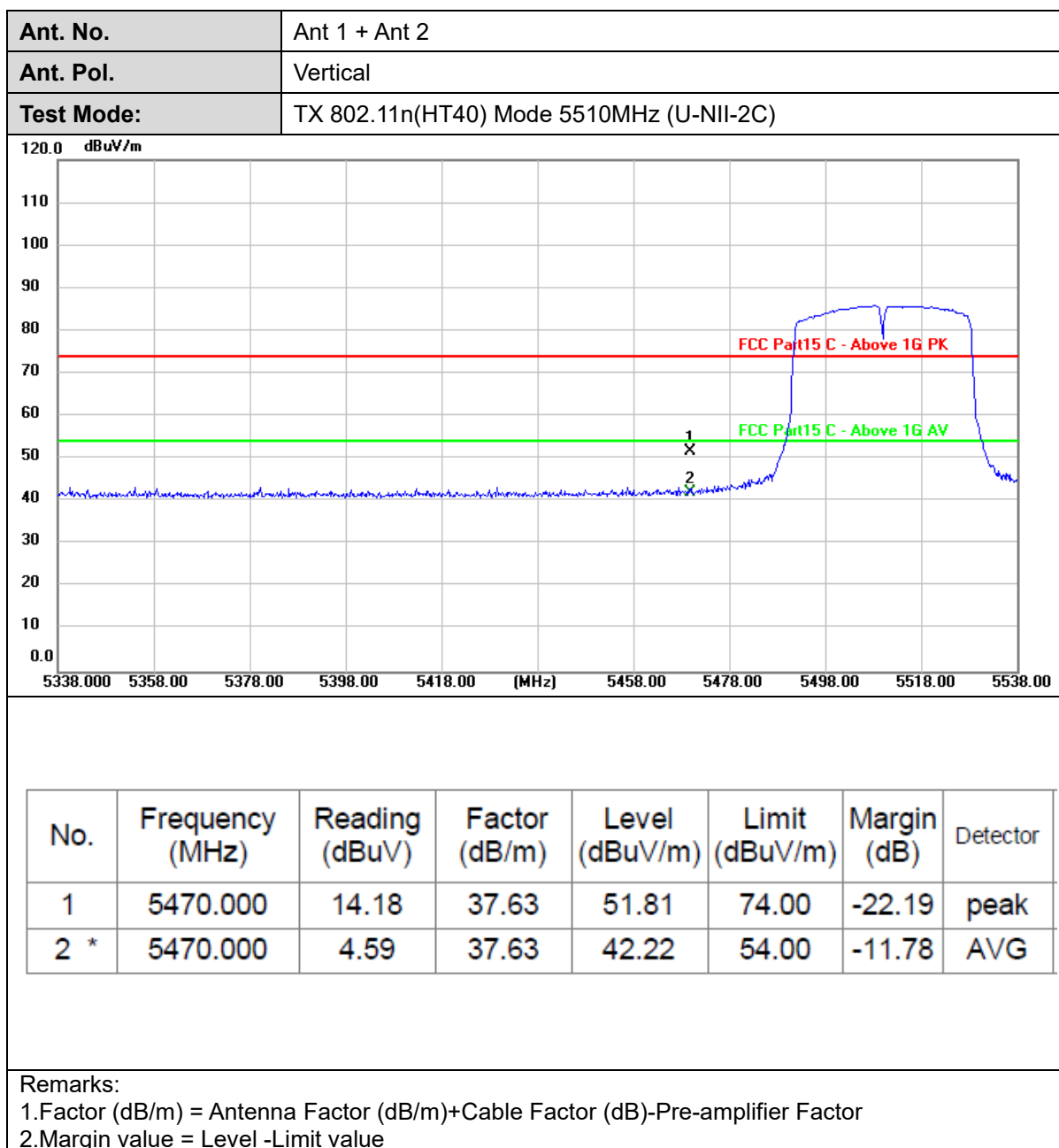


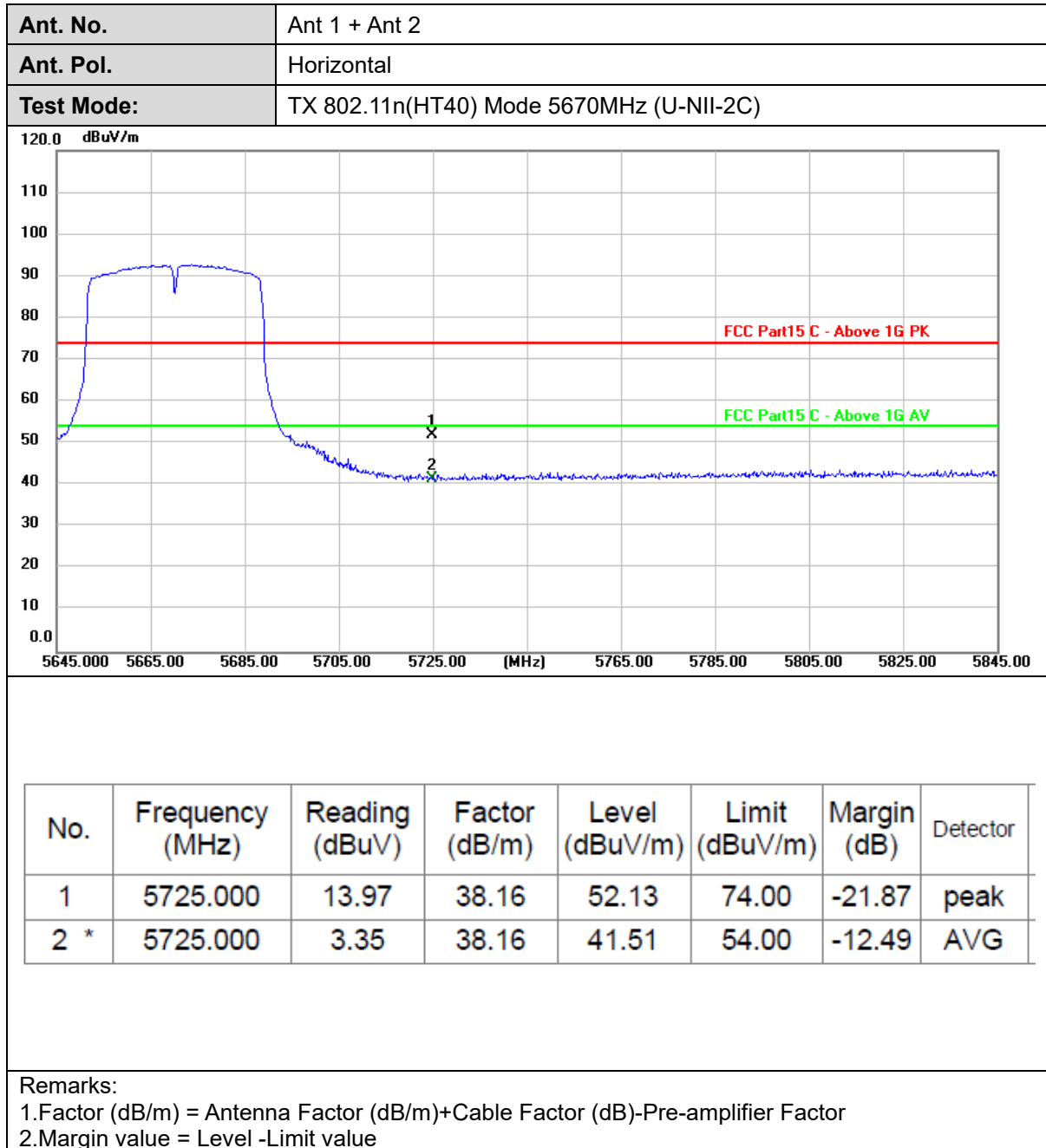


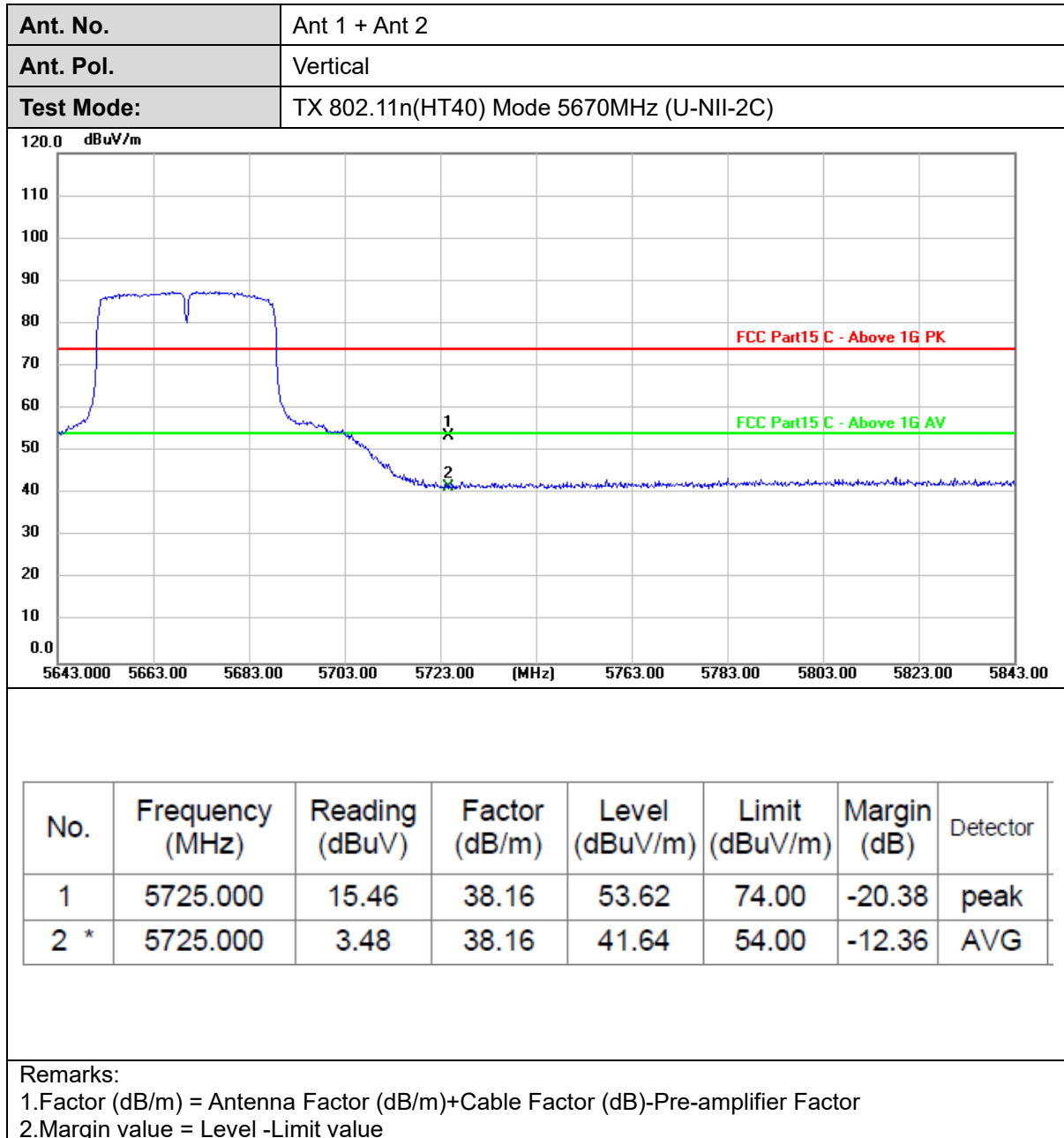


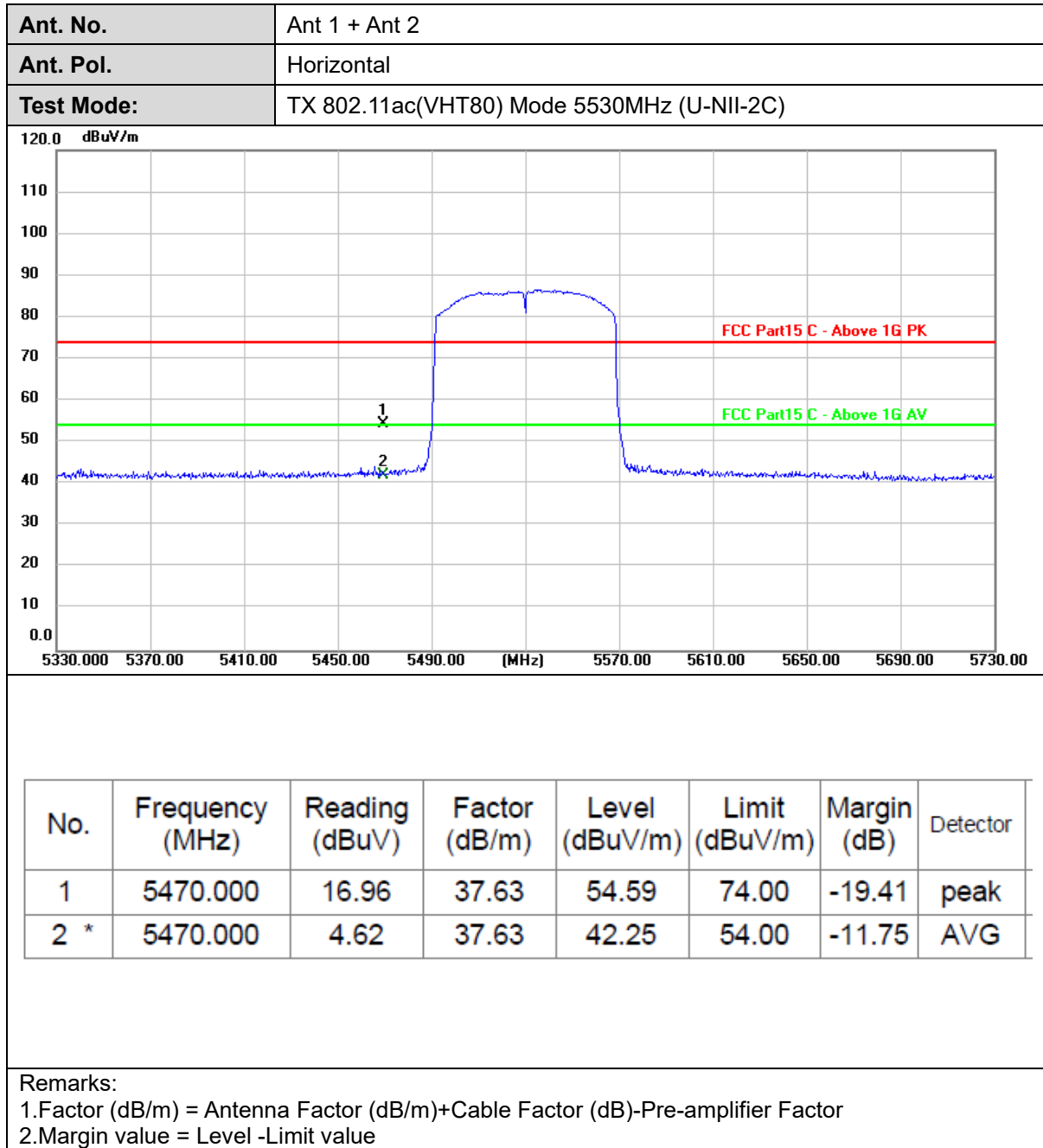


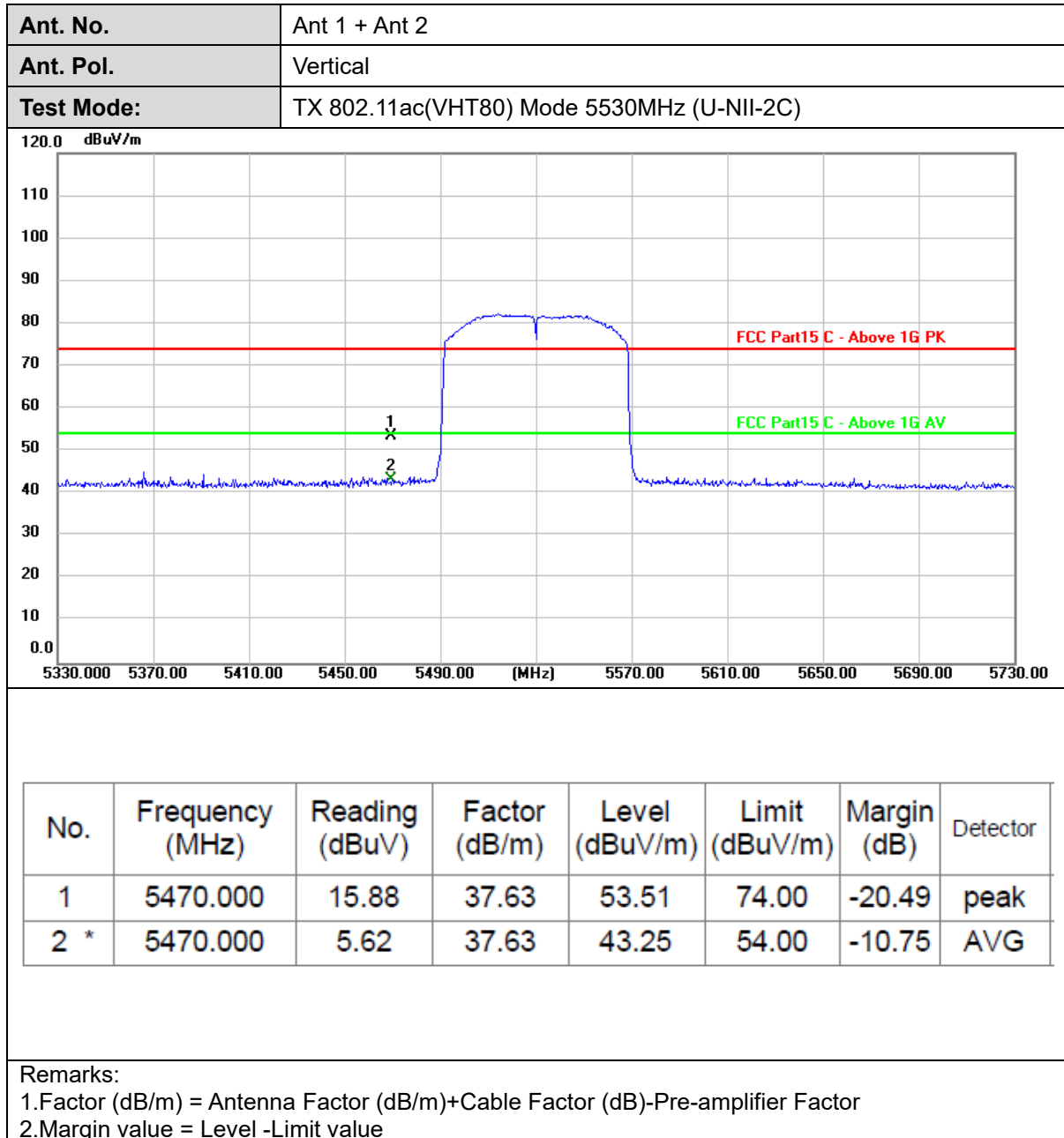


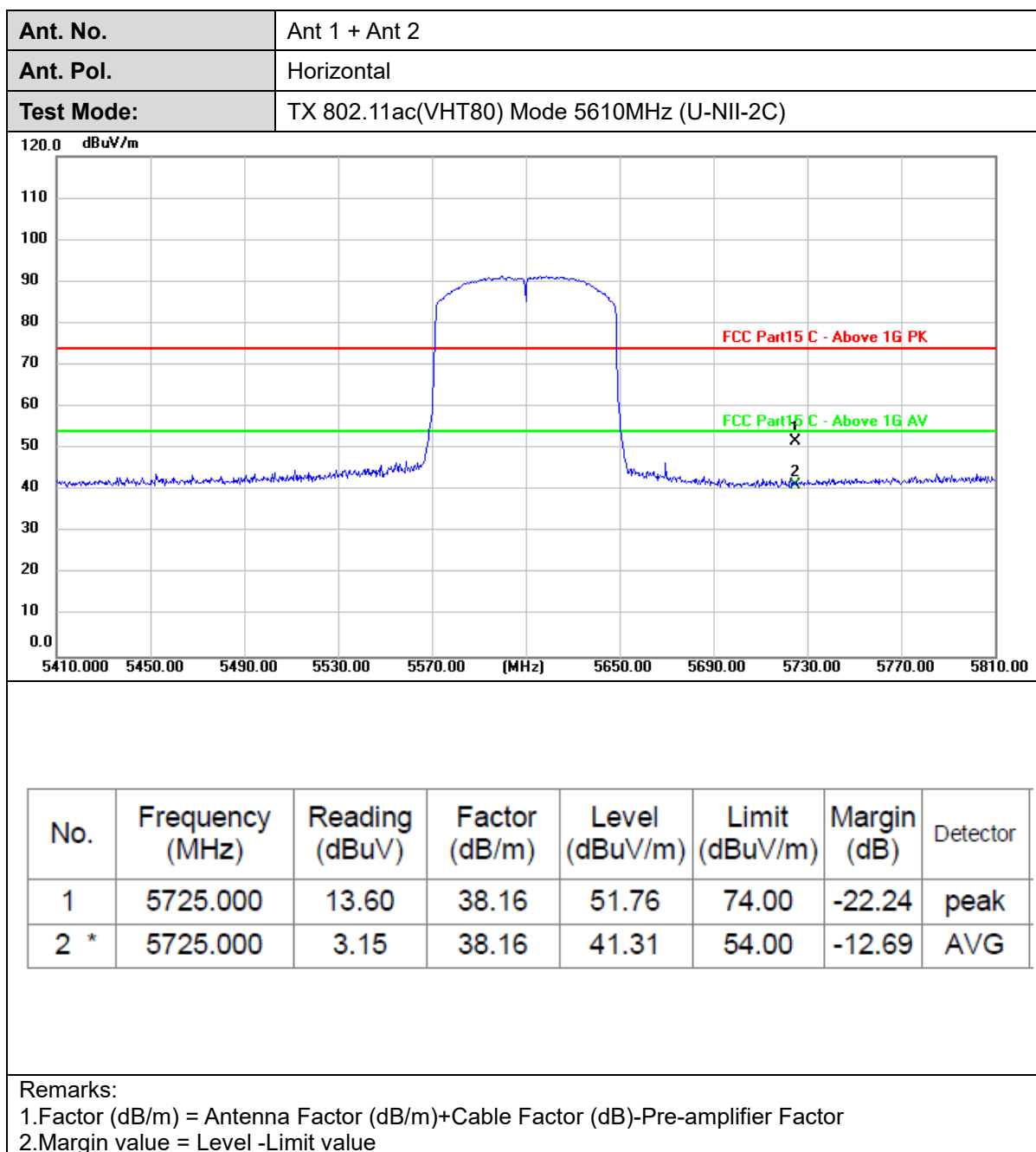


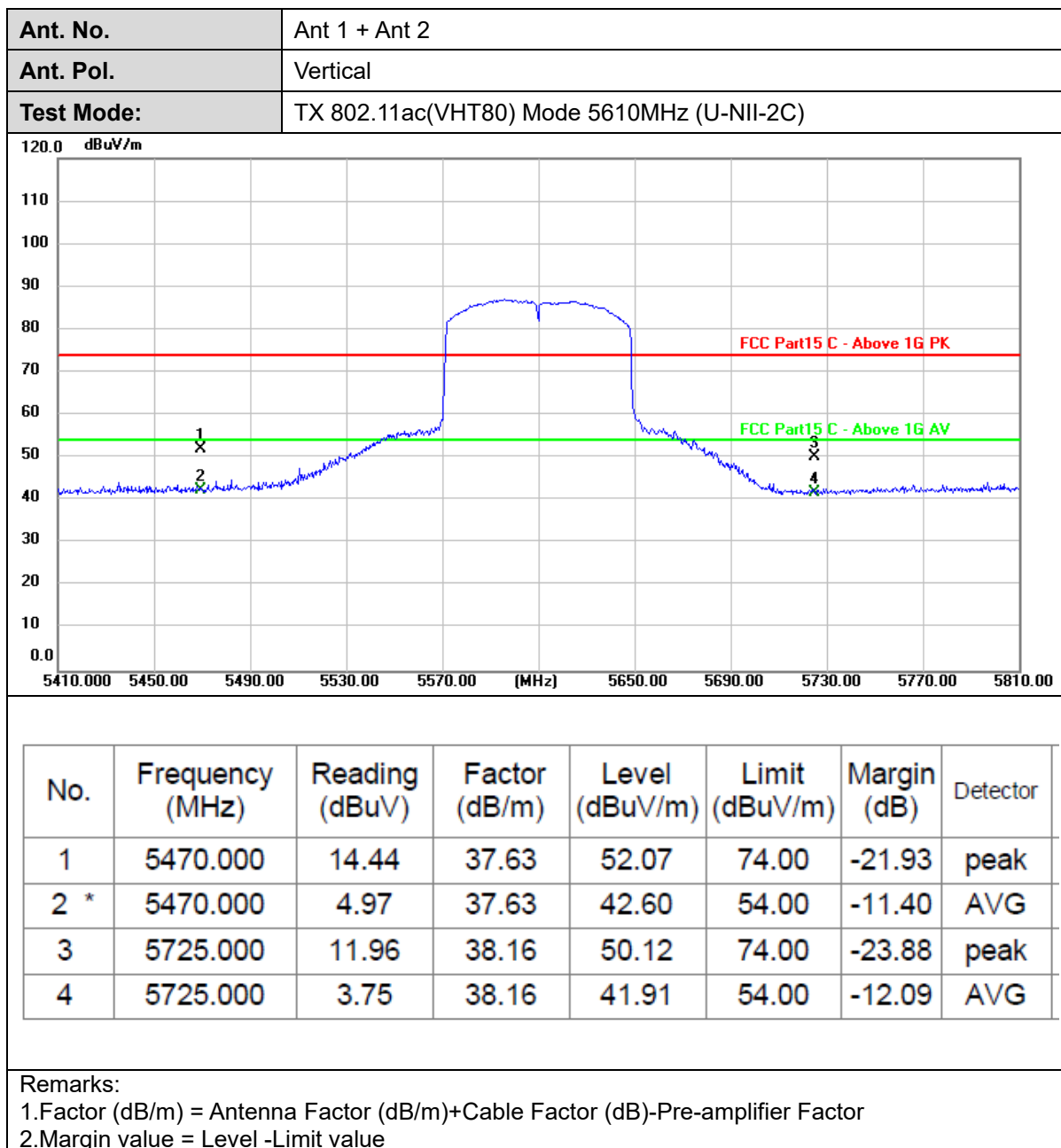


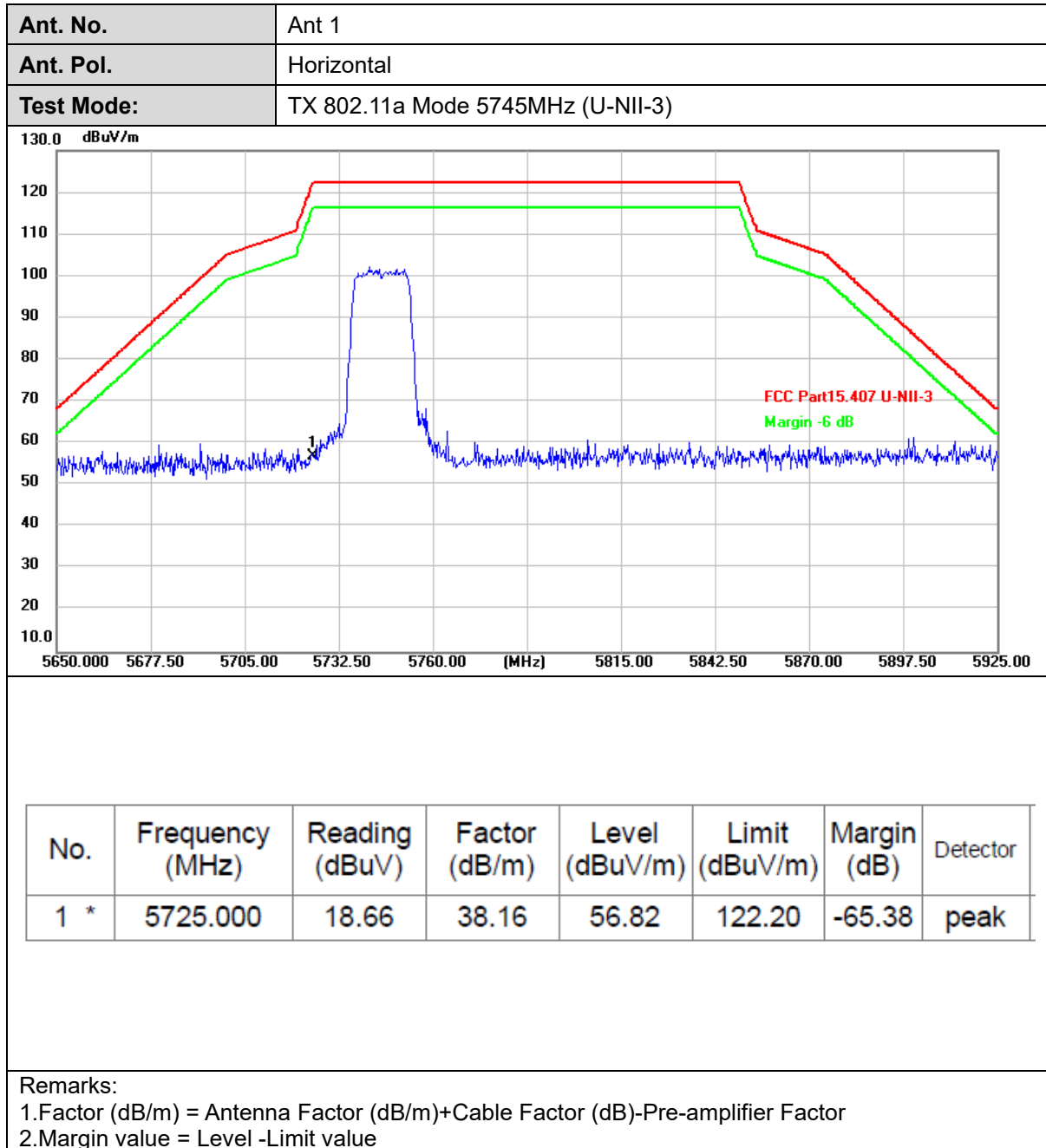


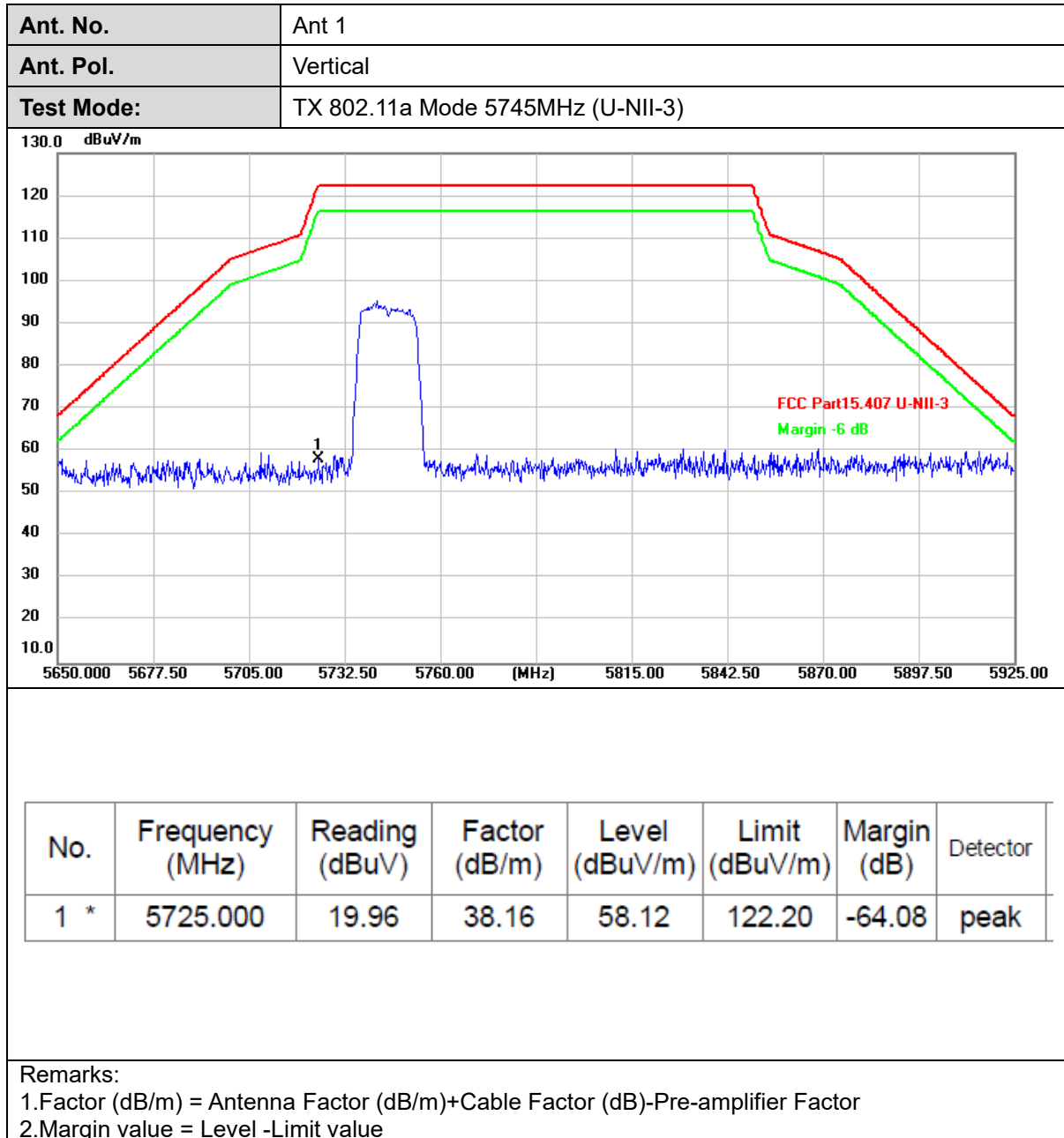


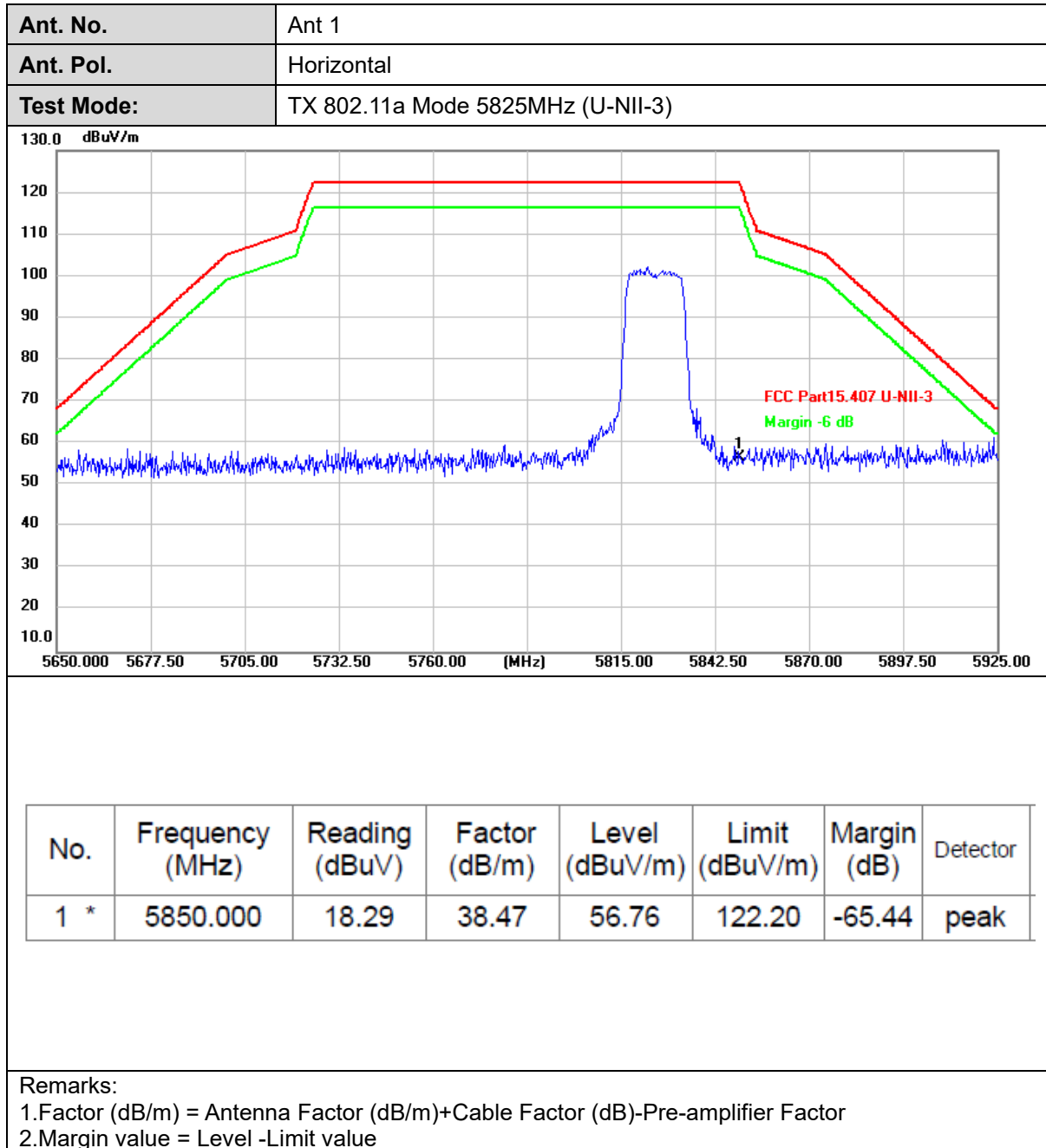


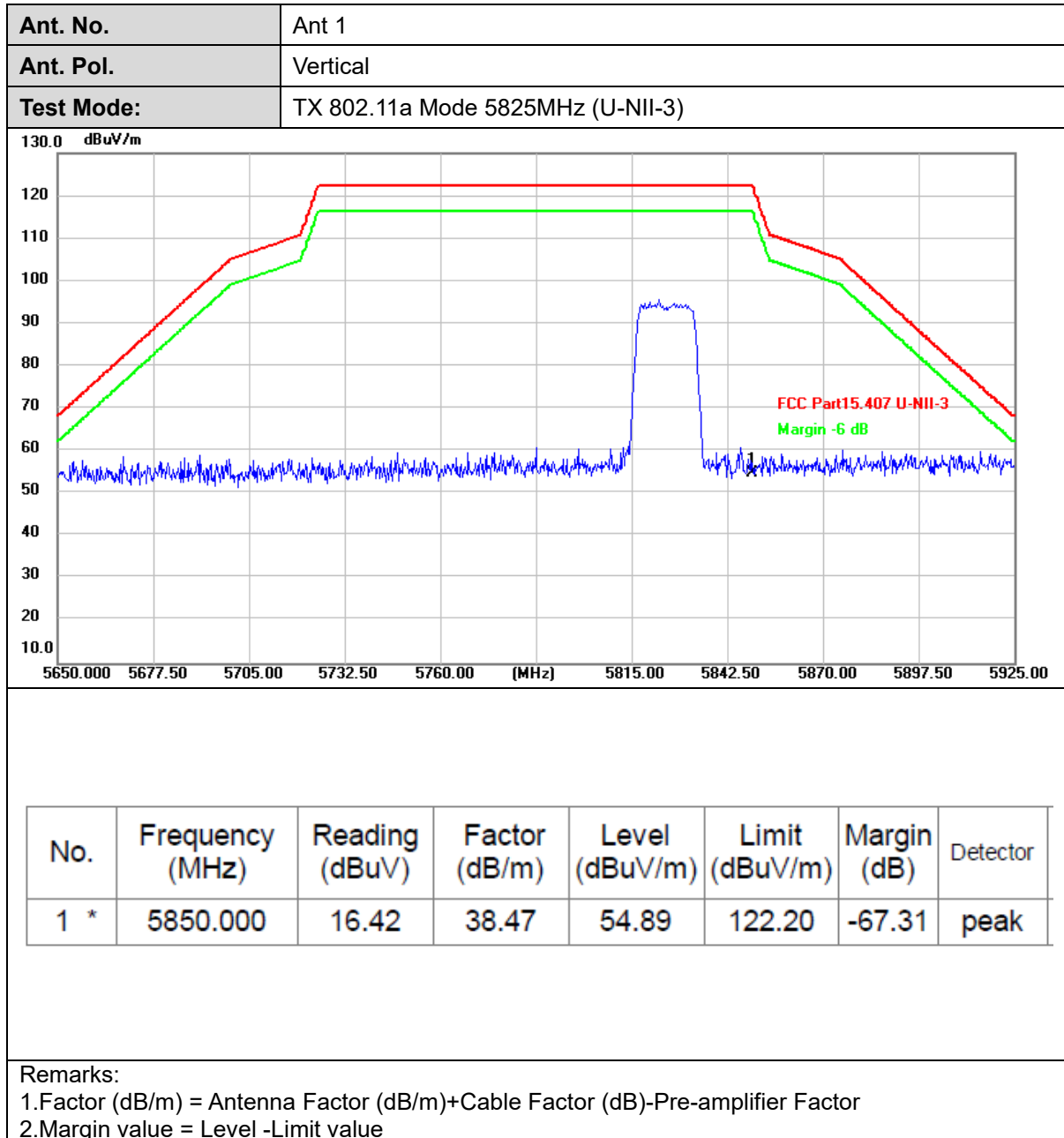


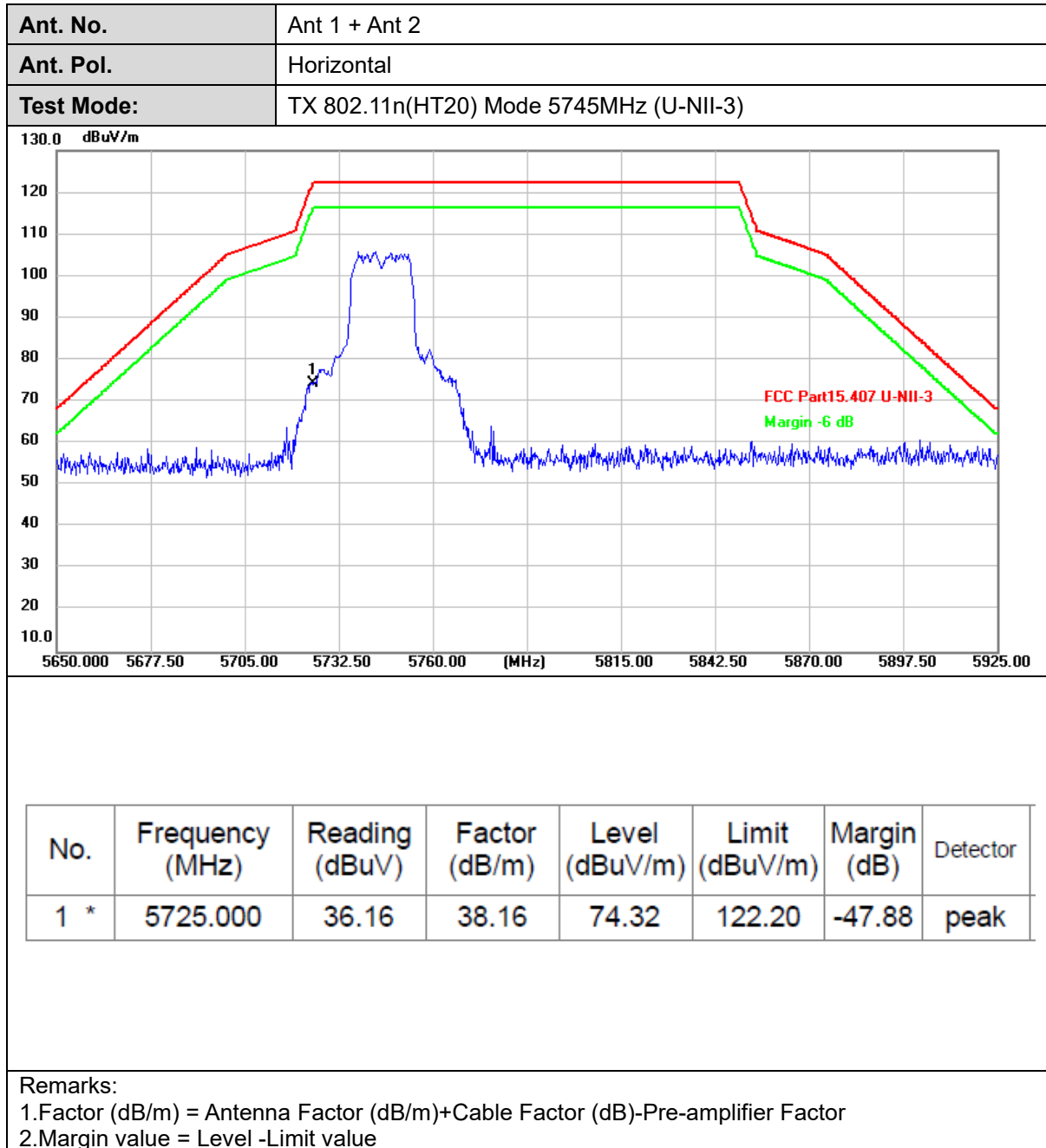


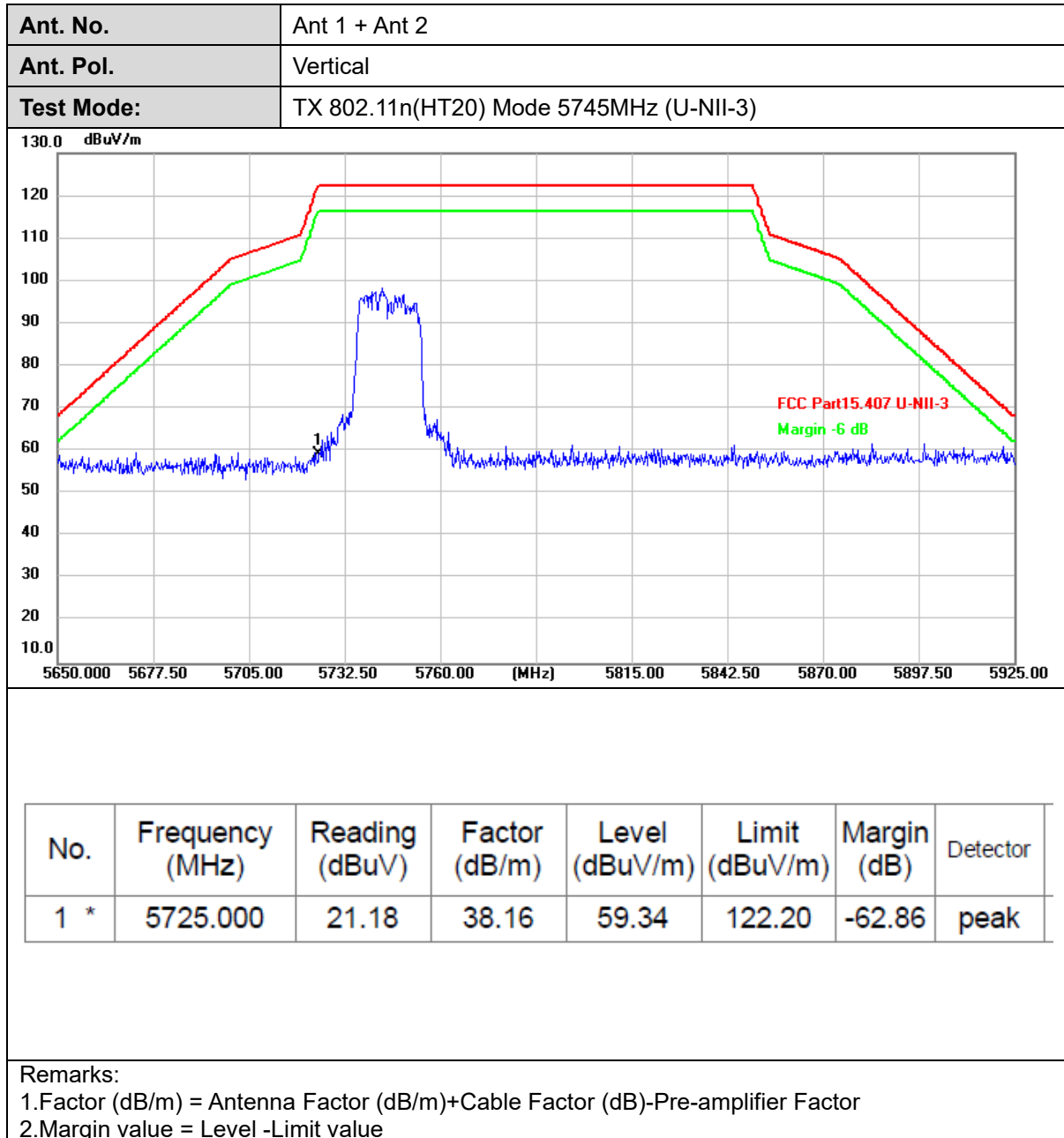


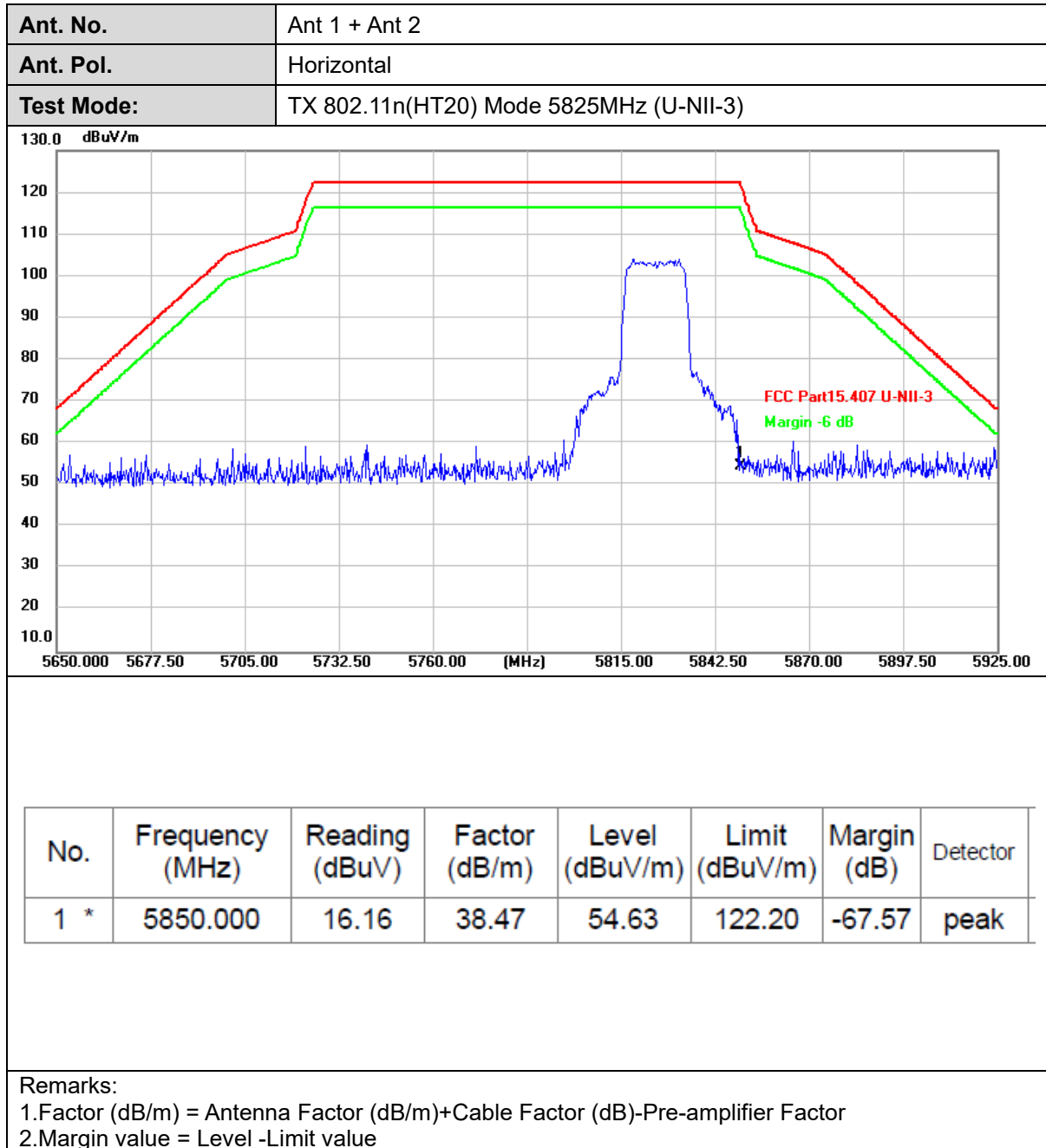


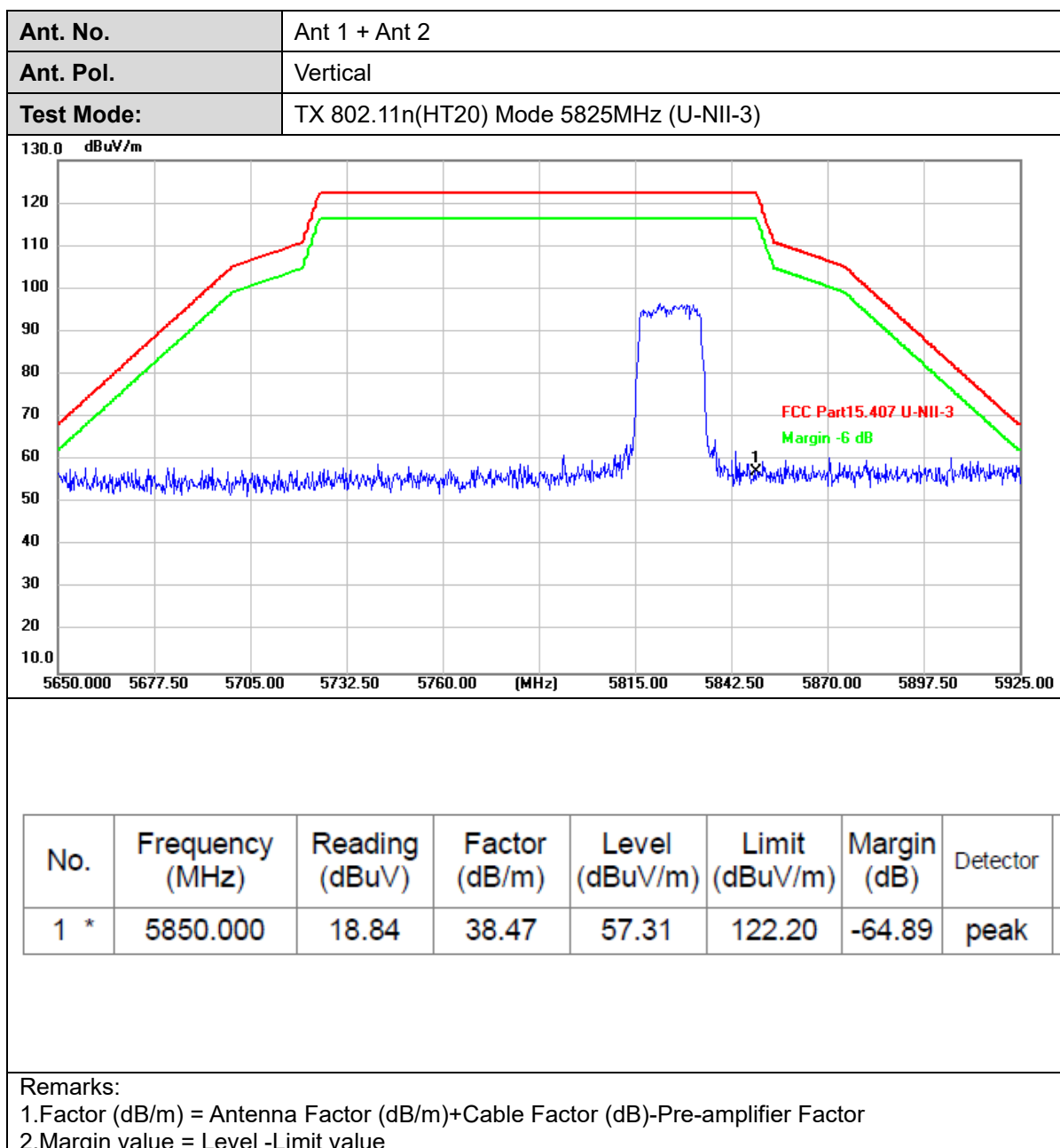


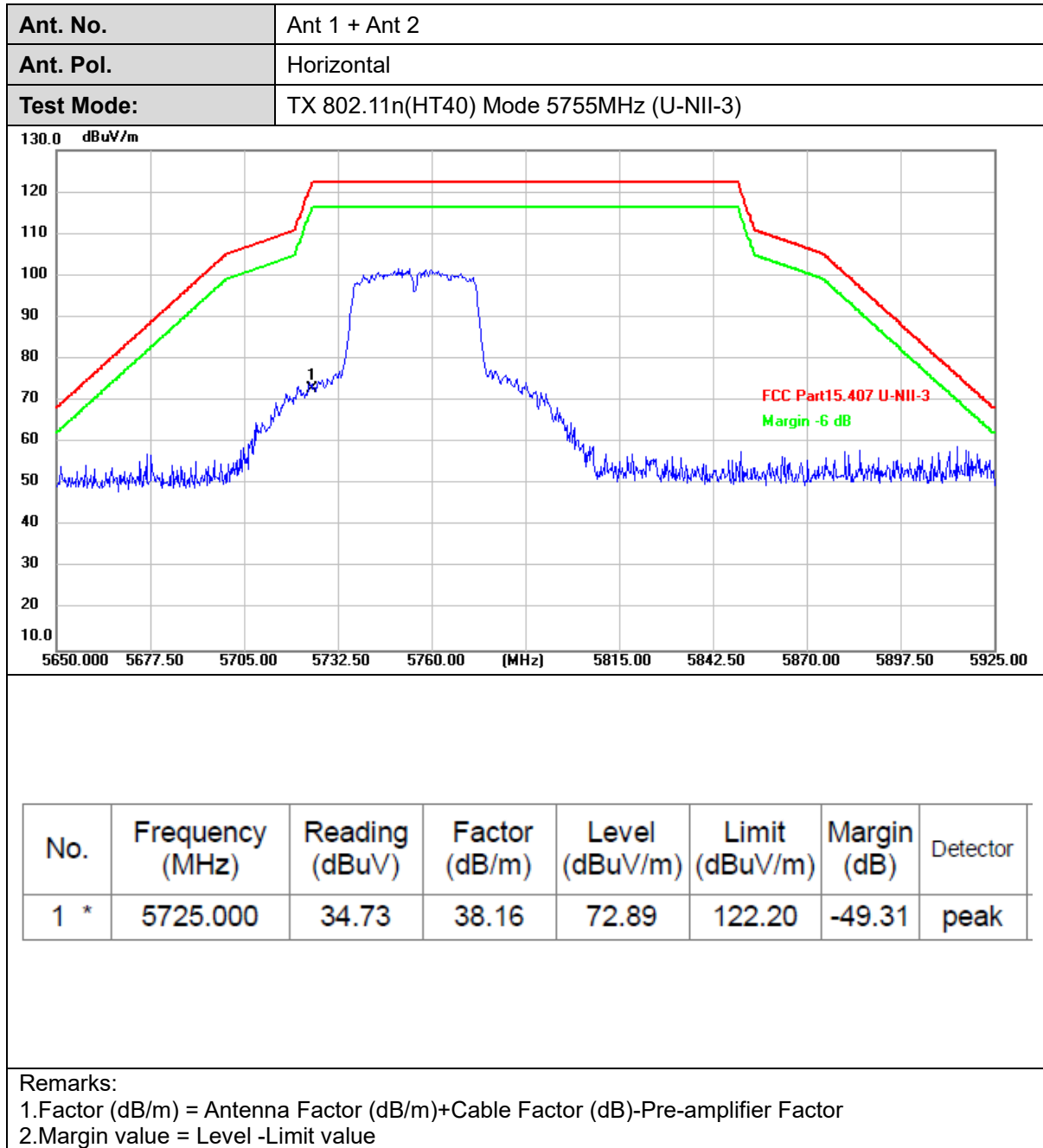


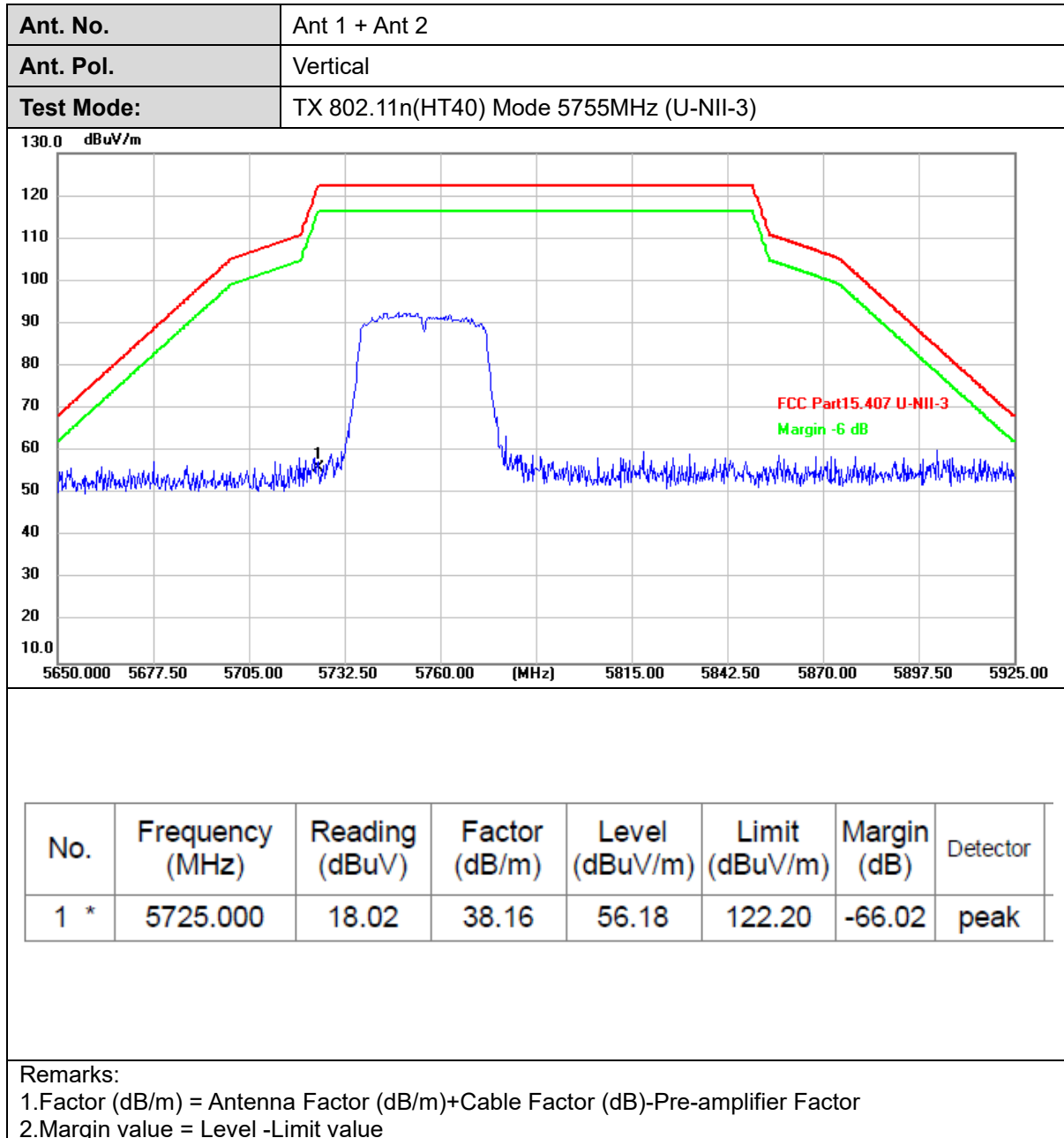


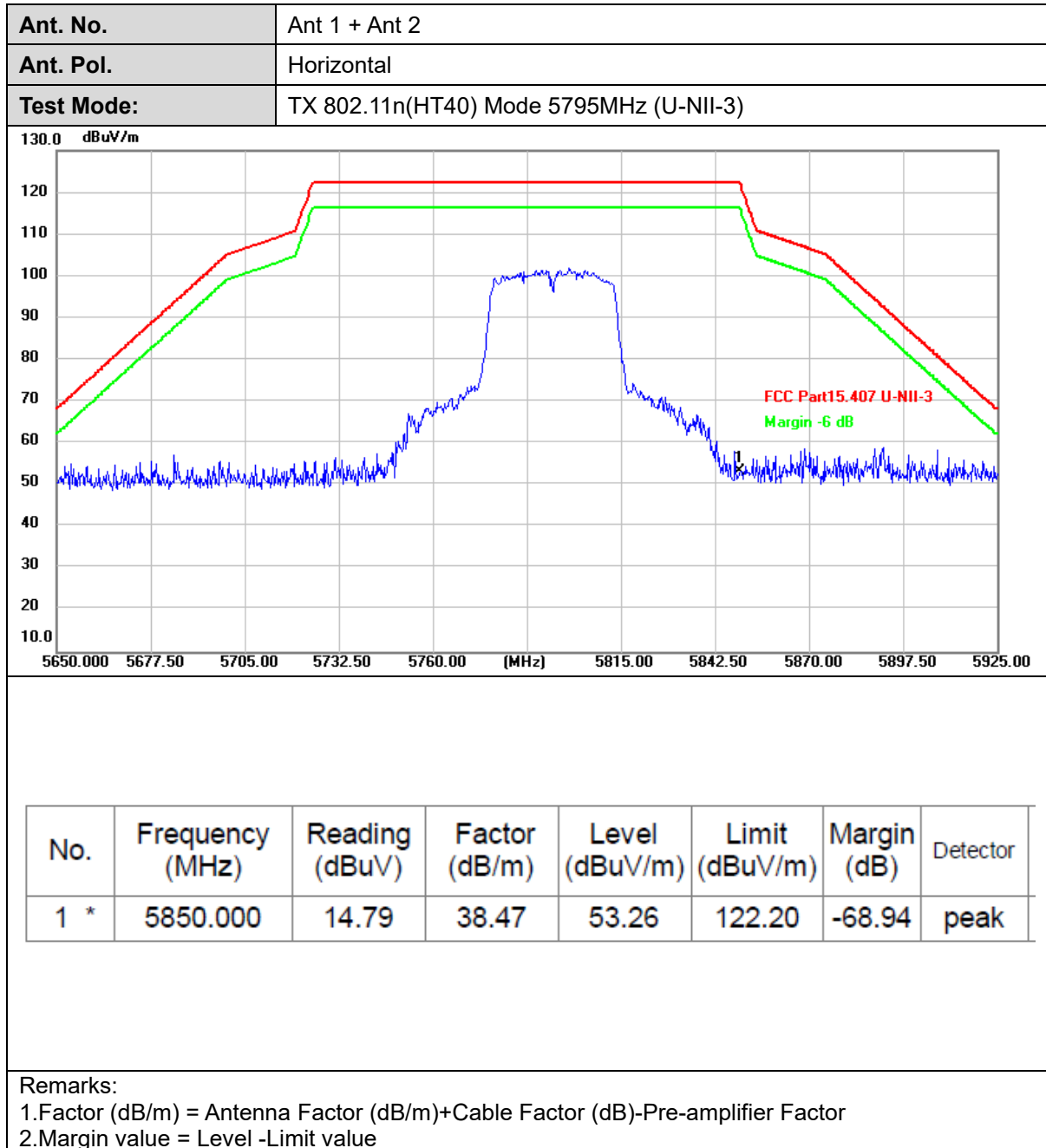


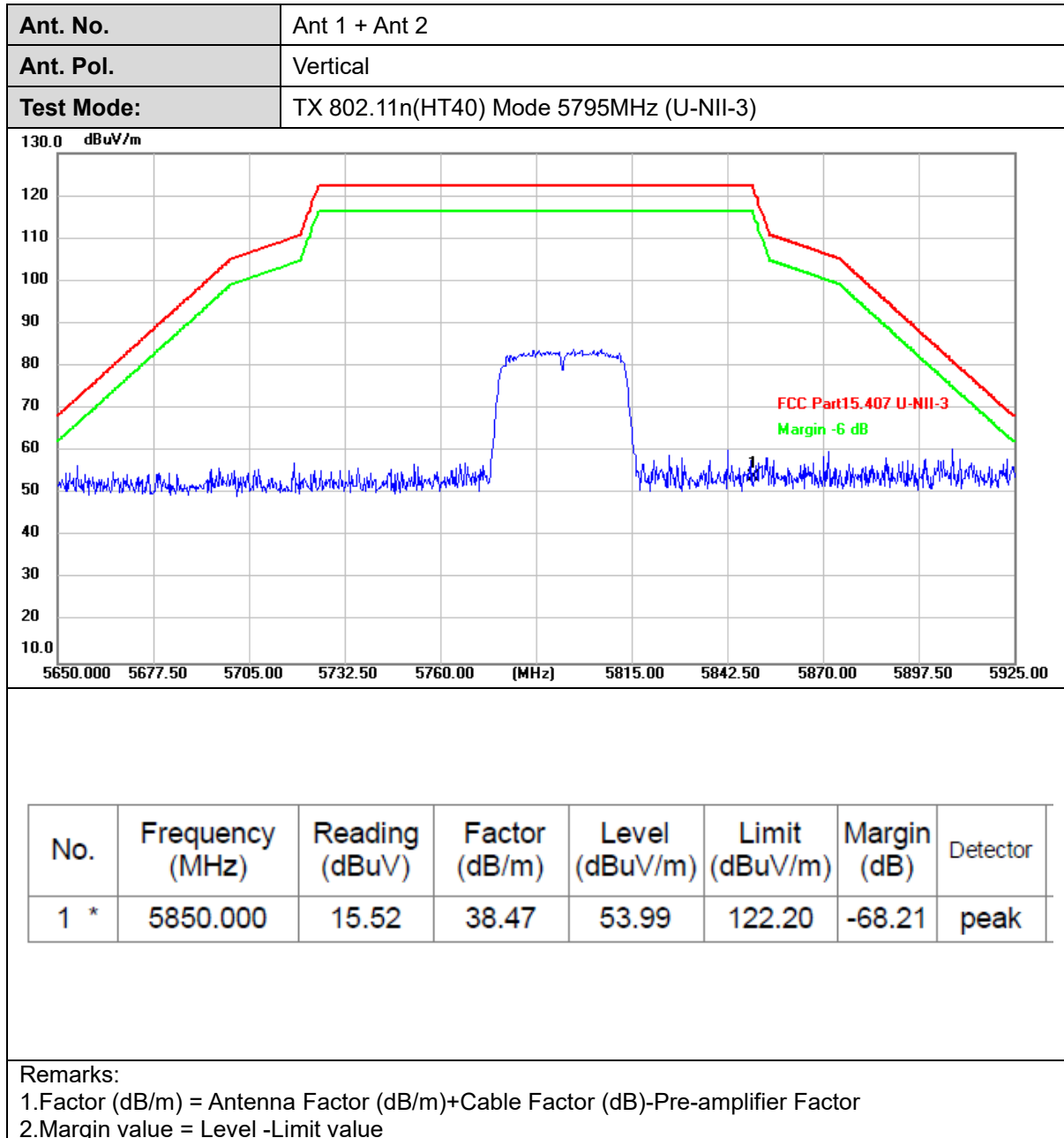


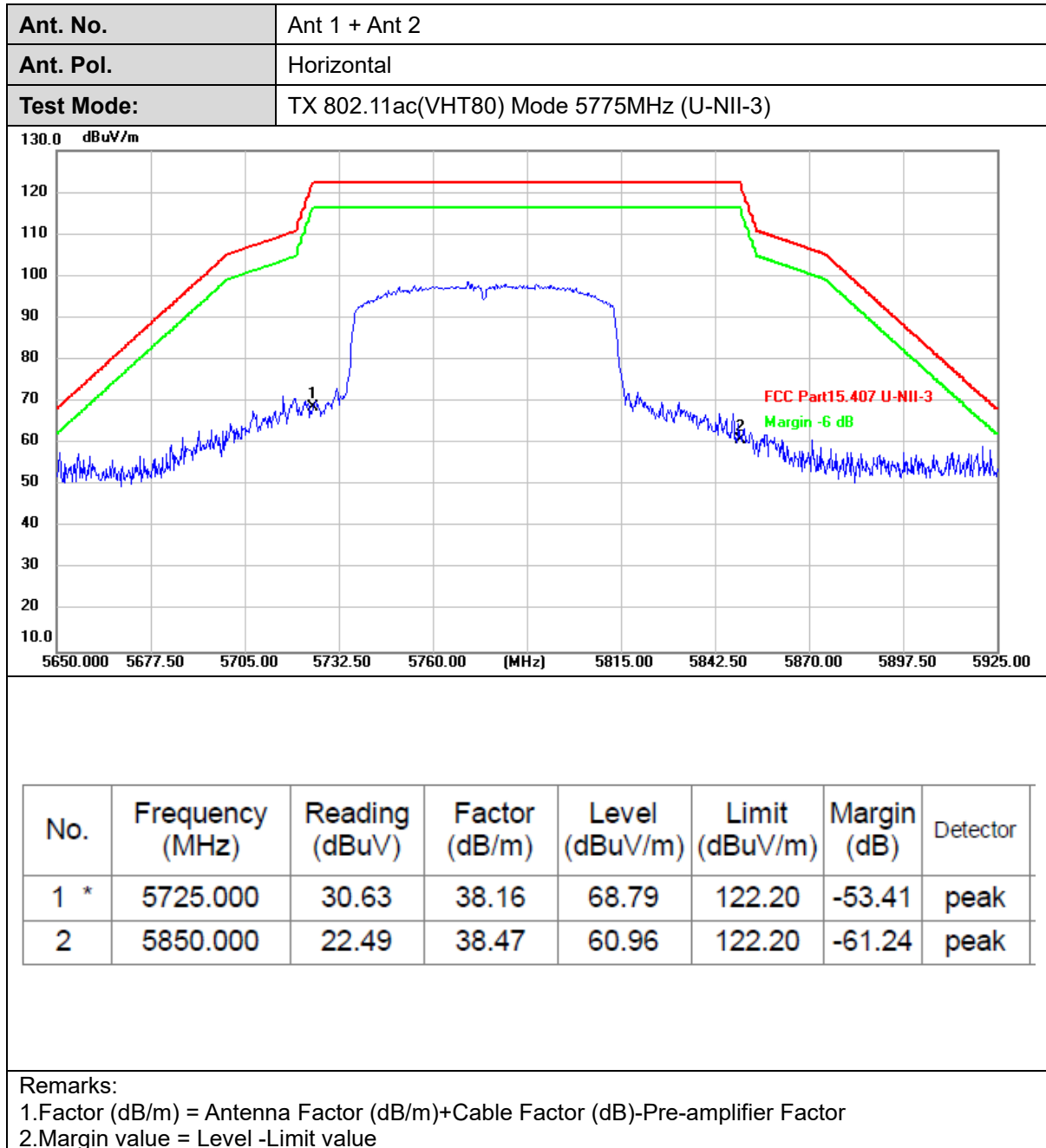


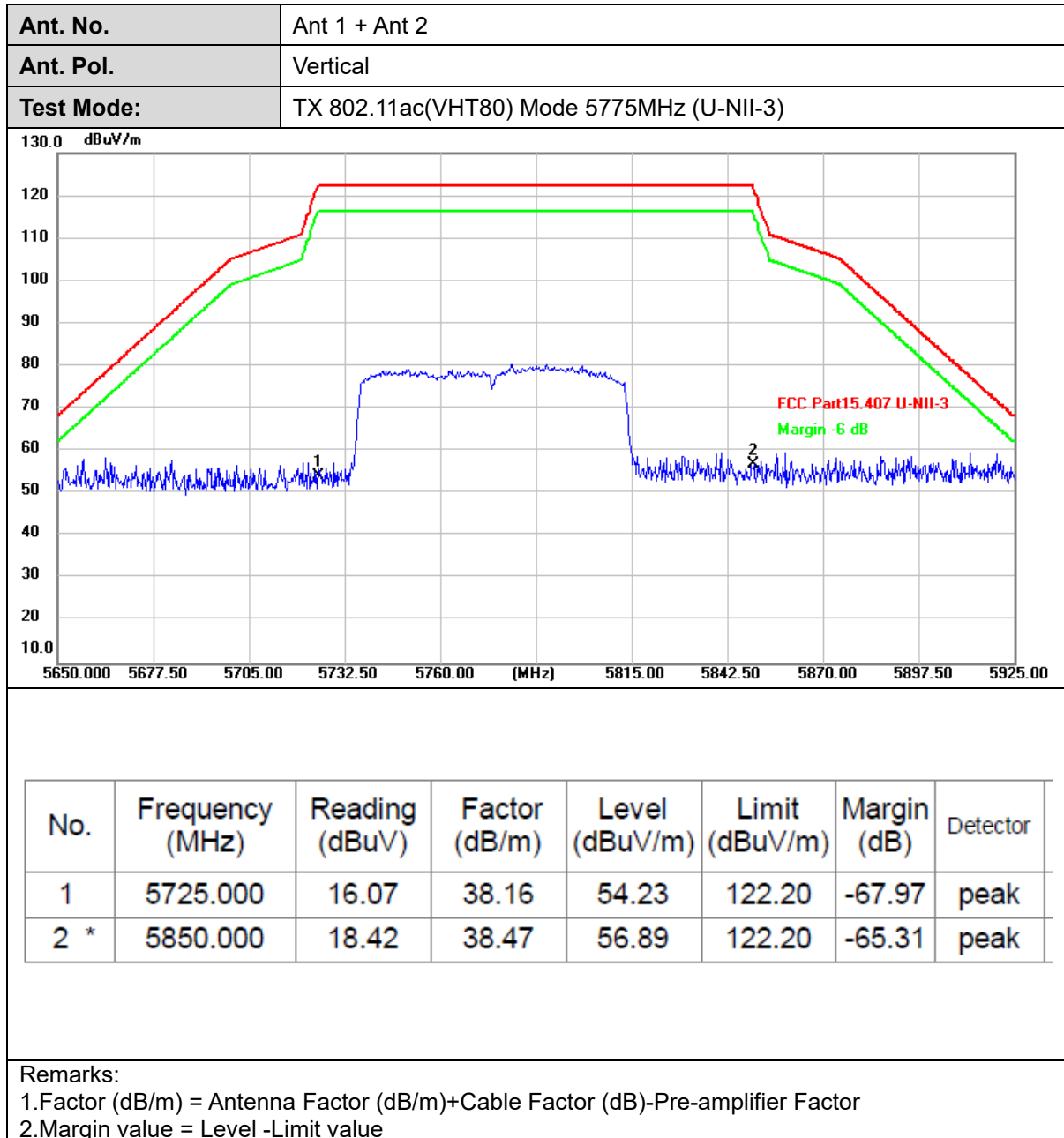














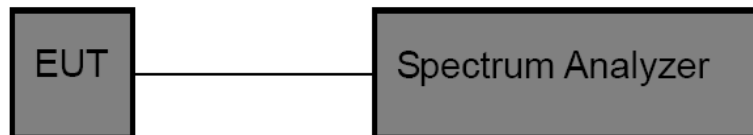
### 3.4. Bandwidth

#### Limit

#### FCC CFR Title 47 Part 15 Subpart E Section 15.407(a) & (e)

| Test Item                        | Limit    | Frequency Range (MHz) |
|----------------------------------|----------|-----------------------|
| 26dB Bandwidth&<br>99% Bandwidth | N/A      | 5150~5250             |
|                                  |          | 5250~5350             |
|                                  |          | 5500~5700             |
| 6 dB Bandwidth                   | ≥500 kHz | 5725~5850             |

#### Test Configuration



#### Test Procedure

Please refer to KDB789033 D02 for the measurement methods.

#### The setting of the spectrum analyzer as below:

| 26dB Bandwidth Test |                                            |
|---------------------|--------------------------------------------|
| Spectrum Parameters | Setting                                    |
| Attenuation         | Auto                                       |
| Span                | >26 dB Bandwidth                           |
| RBW                 | Approximately 1% of the emission bandwidth |
| VBW                 | >RBW                                       |
| Detector            | Peak                                       |
| Trace               | Max Hold                                   |
| Sweep Time          | Auto                                       |



| 6dB Bandwidth Test          |                            |
|-----------------------------|----------------------------|
| Spectrum Parameters         | Setting                    |
| Attenuation                 | Auto                       |
| Span                        | >6 dB Bandwidth            |
| RBW                         | 100 kHz                    |
| VBW                         | $\geq 3 \times \text{RBW}$ |
| Detector                    | Peak                       |
| Trace                       | Max Hold                   |
| Sweep Time                  | Auto                       |
| 99% Occupied Bandwidth Test |                            |
| Spectrum Parameters         | Setting                    |
| Attenuation                 | Auto                       |
| RBW                         | 1% to 5% of the OBW        |
| VBW                         | $\geq 3 \times \text{RBW}$ |
| Detector                    | Peak                       |
| Trace                       | Max Hold                   |

NOTE: The EUT was set to continuously transmitting in each mode and low, middle and high channel for the test.

### **Test Mode**

Please refer to the clause 2.4.

**Test Result****26dB Bandwidth & 99% Bandwidth**

| TestMode  | Antenna | Freq(MHz) | OCB [MHz] | 26db EBW [MHz] |
|-----------|---------|-----------|-----------|----------------|
| 11A       | Ant1    | 5180      | 16.863    | 26.40          |
|           | Ant2    | 5180      | 16.623    | 18.40          |
|           | Ant1    | 5200      | 16.783    | 25.48          |
|           | Ant2    | 5200      | 16.583    | 18.52          |
|           | Ant1    | 5240      | 16.623    | 21.36          |
|           | Ant2    | 5240      | 16.663    | 18.52          |
|           | Ant1    | 5260      | 16.583    | 18.56          |
|           | Ant2    | 5260      | 16.543    | 18.60          |
|           | Ant1    | 5280      | 16.464    | 18.56          |
|           | Ant2    | 5280      | 16.543    | 18.48          |
|           | Ant1    | 5320      | 16.543    | 18.60          |
|           | Ant2    | 5320      | 16.543    | 18.80          |
|           | Ant1    | 5500      | 16.663    | 18.84          |
|           | Ant2    | 5500      | 16.543    | 18.56          |
|           | Ant1    | 5580      | 16.783    | 21.56          |
|           | Ant2    | 5580      | 16.503    | 18.72          |
|           | Ant1    | 5700      | 16.863    | 32.56          |
|           | Ant2    | 5700      | 16.743    | 21.52          |
|           | Ant1    | 5745      | 16.903    | 28.76          |
|           | Ant2    | 5745      | 16.583    | 18.56          |
|           | Ant1    | 5785      | 16.863    | 27.56          |
|           | Ant2    | 5785      | 16.663    | 19.44          |
|           | Ant1    | 5825      | 16.823    | 29.28          |
|           | Ant2    | 5825      | 16.583    | 19.96          |
| 11N20MIMO | Ant1    | 5180      | 17.702    | 19.32          |
|           | Ant2    | 5180      | 17.662    | 19.36          |
|           | Ant1    | 5200      | 17.702    | 19.32          |
|           | Ant2    | 5200      | 17.702    | 19.40          |
|           | Ant1    | 5240      | 17.622    | 19.44          |
|           | Ant2    | 5240      | 17.542    | 19.36          |
|           | Ant1    | 5260      | 17.622    | 19.40          |
|           | Ant2    | 5260      | 17.622    | 19.36          |
|           | Ant1    | 5280      | 17.742    | 19.48          |
|           | Ant2    | 5280      | 17.622    | 19.40          |
|           | Ant1    | 5320      | 17.622    | 19.36          |
|           | Ant2    | 5320      | 17.662    | 19.52          |
|           | Ant1    | 5500      | 17.742    | 19.44          |
|           | Ant2    | 5500      | 17.742    | 19.48          |
|           | Ant1    | 5580      | 17.742    | 19.48          |
|           | Ant2    | 5580      | 17.622    | 19.36          |
|           | Ant1    | 5700      | 17.702    | 19.36          |
|           | Ant2    | 5700      | 17.742    | 19.44          |
|           | Ant1    | 5745      | 17.822    | 23.32          |
|           | Ant2    | 5745      | 17.702    | 19.36          |
|           | Ant1    | 5785      | 17.822    | 24.56          |
|           | Ant2    | 5785      | 17.662    | 19.52          |
|           | Ant1    | 5825      | 17.862    | 25.32          |
|           | Ant2    | 5825      | 17.702    | 19.44          |
| 11N40MIMO | Ant1    | 5190      | 36.364    | 40.72          |
|           | Ant2    | 5190      | 36.444    | 40.96          |
|           | Ant1    | 5230      | 36.364    | 40.96          |
|           | Ant2    | 5230      | 36.044    | 41.20          |
|           | Ant1    | 5270      | 36.124    | 40.80          |
|           | Ant2    | 5270      | 35.884    | 41.36          |
|           | Ant1    | 5310      | 35.964    | 40.48          |
|           | Ant2    | 5310      | 36.364    | 41.12          |
|           | Ant1    | 5510      | 36.444    | 41.84          |
|           | Ant2    | 5510      | 36.044    | 41.68          |
|           | Ant1    | 5550      | 36.124    | 41.20          |

CTC Laboratories, Inc.

Room 107, 108, 207, 208, 303 of Building A, Room 101 of Building B, No.7, Lanqing 1st Road, Luhui Community, Guanhu Subdistrict,  
 Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn

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|            |      |      |        |       |
|------------|------|------|--------|-------|
|            | Ant2 | 5550 | 36.284 | 41.84 |
|            | Ant1 | 5670 | 36.364 | 43.84 |
|            | Ant2 | 5670 | 35.964 | 41.44 |
|            | Ant1 | 5755 | 36.683 | 43.52 |
|            | Ant2 | 5755 | 36.364 | 40.88 |
|            | Ant1 | 5795 | 36.284 | 47.20 |
|            | Ant2 | 5795 | 36.124 | 41.20 |
| 11AC80MIMO | Ant1 | 5210 | 75.125 | 79.68 |
|            | Ant2 | 5210 | 74.965 | 79.84 |
|            | Ant1 | 5290 | 75.285 | 81.76 |
|            | Ant2 | 5290 | 75.285 | 80.16 |
|            | Ant1 | 5530 | 75.764 | 81.12 |
|            | Ant2 | 5530 | 74.965 | 80.96 |
|            | Ant1 | 5610 | 74.486 | 80.00 |
|            | Ant2 | 5610 | 74.486 | 79.84 |
|            | Ant1 | 5775 | 75.125 | 81.60 |
|            | Ant2 | 5775 | 75.445 | 81.12 |

**6dB Bandwidth**

| TestMode   | Antenna | Freq(MHz) | 6db EBW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|------------|---------|-----------|---------------|---------|---------|------------|---------|
| 11A        | Ant1    | 5745      | 16.32         | 5736.84 | 5753.16 | 0.5        | PASS    |
|            | Ant2    | 5745      | 16.32         | 5736.84 | 5753.16 | 0.5        | PASS    |
|            | Ant1    | 5785      | 16.52         | 5776.76 | 5793.28 | 0.5        | PASS    |
|            | Ant2    | 5785      | 16.32         | 5776.84 | 5793.16 | 0.5        | PASS    |
|            | Ant1    | 5825      | 16.52         | 5816.72 | 5833.24 | 0.5        | PASS    |
|            | Ant2    | 5825      | 16.40         | 5816.80 | 5833.20 | 0.5        | PASS    |
| 11N20MIMO  | Ant1    | 5745      | 17.60         | 5736.20 | 5753.80 | 0.5        | PASS    |
|            | Ant2    | 5745      | 17.56         | 5736.20 | 5753.76 | 0.5        | PASS    |
|            | Ant1    | 5785      | 17.60         | 5776.20 | 5793.80 | 0.5        | PASS    |
|            | Ant2    | 5785      | 17.60         | 5776.20 | 5793.80 | 0.5        | PASS    |
|            | Ant1    | 5825      | 17.64         | 5816.16 | 5833.80 | 0.5        | PASS    |
|            | Ant2    | 5825      | 17.60         | 5816.20 | 5833.80 | 0.5        | PASS    |
| 11N40MIMO  | Ant1    | 5755      | 33.76         | 5737.48 | 5771.24 | 0.5        | PASS    |
|            | Ant2    | 5755      | 36.32         | 5736.84 | 5773.16 | 0.5        | PASS    |
|            | Ant1    | 5795      | 34.24         | 5777.40 | 5811.64 | 0.5        | PASS    |
|            | Ant2    | 5795      | 35.36         | 5777.40 | 5812.76 | 0.5        | PASS    |
| 11AC80MIMO | Ant1    | 5775      | 67.36         | 5745.24 | 5812.60 | 0.5        | PASS    |
|            | Ant2    | 5775      | 67.68         | 5738.68 | 5806.36 | 0.5        | PASS    |