

FCC PART 15E TEST REPORT FOR CERTIFICATION  
On Behalf of

GT Technology Chongqing Limited

Projector

Model No.: MP250

FCC ID: 2AZ3IMP250

Prepared for : GT Technology Chongqing Limited  
Room 3-1, No.20 Qixin Road Yanjia Street Changshou District,  
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Date of Test : May.09~Jun.03,2021  
Date of Report : Jun.25,2021

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Appendix A. Photograph of Test

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## TEST REPORT CERTIFICATION

Applicant : GT Technology Chongqing Limited  
Manufacturer : GT Technology Chongqing Limited  
Product : Projector  
FCC ID : 2AZ3IMP250  
(A) Model No. : MP250  
(B) Test Voltage : AC 120V/60Hz

Tested for comply with:  
FCC CFR47 Part 15 Subpart E

Test procedure used:  
ANSI C63.10: 2013  
KDB789033D01

The device described above is tested by AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. to confirm comply with all the FCC Part 15 Subpart E requirements. The test results are contained in this test report and AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. is assumed full responsibility for the accuracy and completeness of these tests. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC requirements. This report contains data that are not covered by the NVLAP accreditation.

This Report is made under FCC Part 2.1075. No modifications were required during testing to bring this product into compliance.

This report applies to single evaluation of one sample of above mentioned product. This report shall not be reproduced in part without written approval of AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.

Date of Test : May.09~Jun.03,2021 Report of date: Jun.25,2021

Prepared by : Brave Zhang Reviewed by : Sunny Lu  
Brave Zhang / Assistant Sunny Lu / Deputy Manager

**AUDIX**<sup>®</sup> 信華科技(深圳)有限公司  
Audix Technology (Shenzhen) Co., Ltd.  
EMC 部門報告專用章

Stamp only for EMC Dept. Report

Approved & Authorized Signer :

Signature: David Jin

David Jin / Deputy General Manager

## 1. SUMMARY OF STANDARDS AND RESULTS

### 1.1. Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below.

| EMISSION                      |                                                                  |         |
|-------------------------------|------------------------------------------------------------------|---------|
| Description of Test Item      | Standard                                                         | Results |
| Power Line Conducted Emission | FCC Part 15: 15.207<br>FCC Part 15: 15.407(b)(6)                 | PASS    |
| Radiated Emission             | FCC Part 15: 15.209<br>FCC Part 15: 15.205<br>FCC Part 15.407(b) | PASS    |
| Band Edge Compliance          | FCC Part 15: 15.407(b)<br>FCC Part 15.205                        | PASS    |
| 6dB&26dB&99% Bandwidth Test   | FCC Part 15: 15.407(e)                                           | PASS    |
| Output Power Test             | FCC Part 15: 15.407(a)(5)                                        | PASS    |
| Power Spectral Density Test   | FCC Part 15: 15.407(a)                                           | PASS    |
| Frequency Stability           | FCC Part 15: 15.407(a)                                           | PASS    |
| Antenna requirement           | FCC Part 15: 15.407(g)                                           | PASS    |

## 2. GENERAL INFORMATION

### 2.1. Description of Equipment Under Test

|                                         |                                                                                                                                                   |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Applicant                               | GT Technology Chongqing Limited                                                                                                                   |
| Applicant Address                       | Room 3-1, No.20 Qixin Road Yanjia Street Changshou District, Chongqing, China                                                                     |
| Manufacturer                            | GT Technology Chongqing Limited                                                                                                                   |
| Manufacturer Address                    | Room 3-1, No.20 Qixin Road Yanjia Street Changshou District, Chongqing, China                                                                     |
| Factory                                 | Wistron InfoComm (Zhongshan) Corporation Linhai Branch                                                                                            |
| Factory Address                         | No.23, Wugui Road, Tsuihang New District, Zhongshan, Guangdong, P.R.China                                                                         |
| Product                                 | Projector                                                                                                                                         |
| Model No.                               | MP250                                                                                                                                             |
| FCC ID                                  | 2AZ3IMP250                                                                                                                                        |
| Adapter                                 | Brand: hp; Model No.: TPN-LA15<br>Input: AC 100-240V, 1.1A, 50-60Hz<br>DC Output: DC 19.5V, 2.31A, 45W<br>DC Cable: Shielded, Undetachable, 1.75m |
| Remoter                                 | Model No.: N/A                                                                                                                                    |
| Sample Type                             | Prototype production                                                                                                                              |
| Date of Receipt                         | Mar.30,2021                                                                                                                                       |
| Date of Test                            | May.09~Jun.03,2021                                                                                                                                |
| Remark: This report only for WIFI 5GHz. |                                                                                                                                                   |

## 2.2.Feature of Equipment Under Test

| Product Feature & Specification |                                                                                                |                                         |                                         |
|---------------------------------|------------------------------------------------------------------------------------------------|-----------------------------------------|-----------------------------------------|
| Product                         | Projector                                                                                      |                                         |                                         |
| Model No.                       | MP250                                                                                          |                                         |                                         |
| Power Source                    | <input checked="" type="checkbox"/> Commercial Power                                           | AC 100 ~ 240V, 50-60Hz, 1.1A            |                                         |
|                                 | <input checked="" type="checkbox"/> External Power Source                                      | DC 19.5V, 2.31A, 45W                    |                                         |
|                                 | <input type="checkbox"/> Lithium battery                                                       | DC V, mAh                               |                                         |
|                                 | <input type="checkbox"/> UM battery                                                            | DC V                                    |                                         |
| Bluetooth                       |                                                                                                |                                         |                                         |
| Specification                   | <input checked="" type="checkbox"/> BDR                                                        | <input checked="" type="checkbox"/> EDR | <input checked="" type="checkbox"/> BLE |
| Frequency Range                 | 2402-2480MHz                                                                                   |                                         |                                         |
| Type of Modulation              | GFSK, $\pi/4$ DQPSK, 8DPSK                                                                     |                                         |                                         |
| Data Rate                       | 1Mbps, 2Mbps, 3Mbps                                                                            |                                         |                                         |
| Quantity of Channels            | 79/40                                                                                          |                                         |                                         |
| Channel Separation              | 1MHz/2MHz                                                                                      |                                         |                                         |
| 2.4GHz Wi-Fi                    |                                                                                                |                                         |                                         |
| Support Modes                   | 802.11b/g/n20                                                                                  |                                         |                                         |
| Frequency Range                 | 2412-2462MHz                                                                                   |                                         |                                         |
| Type of Modulation              | 802.11b(DSSS): CCK, QPSK, BPSK;<br>802.11g/n(OFDM): 64QAM,16QAM, QPSK, BPSK                    |                                         |                                         |
| Data Rate                       | 802.11b: 1/2/5.5/11 Mbps;<br>802.11g: 6/9/12/18/24/36/48/54 Mbps;<br>802.11n: up to 300Mbps    |                                         |                                         |
| Channel Separation              | 5MHz                                                                                           |                                         |                                         |
| 5GHz Wi-Fi                      |                                                                                                |                                         |                                         |
| Support Modes                   | 802.11a/n20/n40/ac20/ac40/ac80                                                                 |                                         |                                         |
| Frequency Range                 | 5180-5240MHz, 5745-5825MHz                                                                     |                                         |                                         |
| Type of Modulation              | 802.11a/n (OFDM): QPSK, BPSK, 16QAM, 64QAM<br>802.11ac (OFDM): QPSK, BPSK, 16QAM, 64QAM,256QAM |                                         |                                         |
| Data Rate                       | 802.11a: 6/9/12/18/24/36/48/54 Mbps;<br>802.11n: up to 300Mbps;<br>802.11ac: up to 867Mbps     |                                         |                                         |
| Channel Separation              | 5MHz                                                                                           |                                         |                                         |

| Antenna System    |                                                                                                                                                                                         |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type of Antenna   | FPC Antenna                                                                                                                                                                             |
| Antenna Peak Gain | Bluetooth Peak Gain: -2.31dBi<br>DTS/DSS Band (2400-2483.5MHz) Peak Gain: -2.31dBi.<br>U-NII-1 Band(5150-5250MHz) Peak Gain: 1.81dBi.<br>U-NII-3 Band (5725-5850MHz) Peak Gain: 1.8dBi. |

### 2.3. Test Information

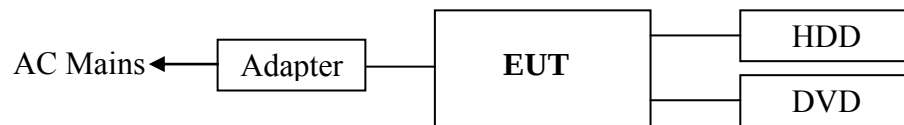
A special test software was used to control EUT work in Continuous TX mode, and select test channel, wireless mode and data rate.

| Tested mode, channel, power setting and data rate information                                                                       |                                  |               |                    |               |
|-------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|---------------|--------------------|---------------|
| Mode                                                                                                                                | data rate<br>(Mbps)(see<br>Note) | Channel       | Frequency<br>(MHz) | Power setting |
| IEEE 802.11a                                                                                                                        | 6                                | Low :CH36     | 5180               | Default       |
|                                                                                                                                     | 6                                | Middle: CH40  | 5200               | Default       |
|                                                                                                                                     | 6                                | High: CH48    | 5240               | Default       |
|                                                                                                                                     | 6                                | Low :CH149    | 5745               | Default       |
|                                                                                                                                     | 6                                | Middle: CH157 | 5785               | Default       |
|                                                                                                                                     | 6                                | High: CH165   | 5825               | Default       |
| IEEE<br>802.11nHT20                                                                                                                 | MCS0                             | Low :CH36     | 5180               | Default       |
|                                                                                                                                     | MCS0                             | Middle: CH40  | 5200               | Default       |
|                                                                                                                                     | MCS0                             | High: CH48    | 5240               | Default       |
|                                                                                                                                     | MCS0                             | Low :CH149    | 5745               | Default       |
|                                                                                                                                     | MCS0                             | Middle: CH157 | 5785               | Default       |
|                                                                                                                                     | MCS0                             | High: CH165   | 5825               | Default       |
| IEEE<br>802.11nHT40                                                                                                                 | MCS0                             | Low :CH38     | 5190               | Default       |
|                                                                                                                                     | MCS0                             | High: CH46    | 5230               | Default       |
|                                                                                                                                     | MCS0                             | Low :CH151    | 5755               | Default       |
|                                                                                                                                     | MCS0                             | High: CH159   | 5795               | Default       |
| IEEE<br>802.11acVHT20                                                                                                               | MCS0                             | Low :CH36     | 5180               | Default       |
|                                                                                                                                     | MCS0                             | Middle: CH40  | 5200               | Default       |
|                                                                                                                                     | MCS0                             | High: CH48    | 5240               | Default       |
|                                                                                                                                     | MCS0                             | Low :CH149    | 5745               | Default       |
|                                                                                                                                     | MCS0                             | Middle: CH157 | 5785               | Default       |
|                                                                                                                                     | MCS0                             | High: CH165   | 5825               | Default       |
| IEEE<br>802.11acVHT40                                                                                                               | MCS0                             | Low :CH38     | 5190               | Default       |
|                                                                                                                                     | MCS0                             | High: CH46    | 5230               | Default       |
|                                                                                                                                     | MCS0                             | Low :CH151    | 5755               | Default       |
|                                                                                                                                     | MCS0                             | High: CH159   | 5795               | Default       |
| IEEE<br>802.11acVHT80                                                                                                               | MCS0                             | CH42          | 5210               | Default       |
|                                                                                                                                     | MCS0                             | CH155         | 5775               | Default       |
| Note: According exploratory test, EUT will have maximum output power in those data rate, so those data rate were used for all test. |                                  |               |                    |               |

## 2.4. Tested Supporting System Details

| No. | Description | ACS No.                                    | Manufacturer | Model    | Serial Number    |
|-----|-------------|--------------------------------------------|--------------|----------|------------------|
| 1.  | HDD         | ACS-EMC-HDD02                              | Terasys      | F12-UF   | A0100215-5390018 |
|     |             | Data Cable: Shielded, Detachable, 1.8m     |              |          |                  |
| 2.  | DVD         | ACS-EMC-DVD01                              | DENON        | DVD-3910 | 4098400342E      |
|     |             | Data Cable: Shielded, Detachable, 1.8m     |              |          |                  |
|     |             | Power Cable: Unshielded, Detachable , 1.8m |              |          |                  |

## 2.5. Block diagram of connection between the EUT and simulators



**(EUT: Projector)**

## 2.6. Test Facility

### Site Description

#### Name of Firm

Audix Technology (Shenzhen) Co., Ltd.  
: No. 6, Kefeng Road, Science & Technology Park,  
Nanshan District, Shenzhen, Guangdong, China

#### EMC Lab.

Accredited by Industry Canada  
: Registration Number: IC 5183A-1  
Valid Date: Mar.31, 2022

Accredited by NVLAP, USA  
: NVLAP Code: 200372-0  
Valid Date: Mar.31, 2022

Certificated by FCC USA.  
: Designation No.: CN5022  
Valid Date: Mar.31, 2022

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

| Test Item                                                     | Uncertainty                       |
|---------------------------------------------------------------|-----------------------------------|
| Uncertainty for Conduction emission test in No. 1 Conduction  | 2.6dB(150KHz to 30MHz)            |
| Uncertainty for Radiation Emission test in 3m chamber         | 3.2dB(30~200MHz, Polarization: H) |
|                                                               | 3.6dB(30~200MHz, Polarization: V) |
|                                                               | 3.4dB(200M~1GHz, Polarization: H) |
|                                                               | 3.4dB(200M~1GHz, Polarization: V) |
| Uncertainty for Radiation Emission test in 3m chamber         | 4.6dB(1~6GHz, Distance: 3m)       |
|                                                               | 4.6dB(6~25GHz, Distance: 3m)      |
| Uncertainty for Radiated Spurious Emission test in RF chamber | 3.7dB (30MHz~1000MHz)             |
|                                                               | 3.3dB (1GHz~26.5MHz)              |
| Uncertainty for Conduction Spurious emission test             | 2.0dB                             |
| Uncertainty for Output power test                             | 0.8dB                             |
| Uncertainty for Bandwidth test                                | 83 kHz                            |
| Uncertainty for DC power test                                 | 0.1%                              |
| Uncertainty for test site temperature and humidity            | 0.6°C                             |
|                                                               | 3%                                |

Note: EMI uncertainty is evaluated by CISPR16-4-2.

The value of measurement uncertainty of EMI is less than  $U_{CISPR}$ .

The value is not calculated in the test results.

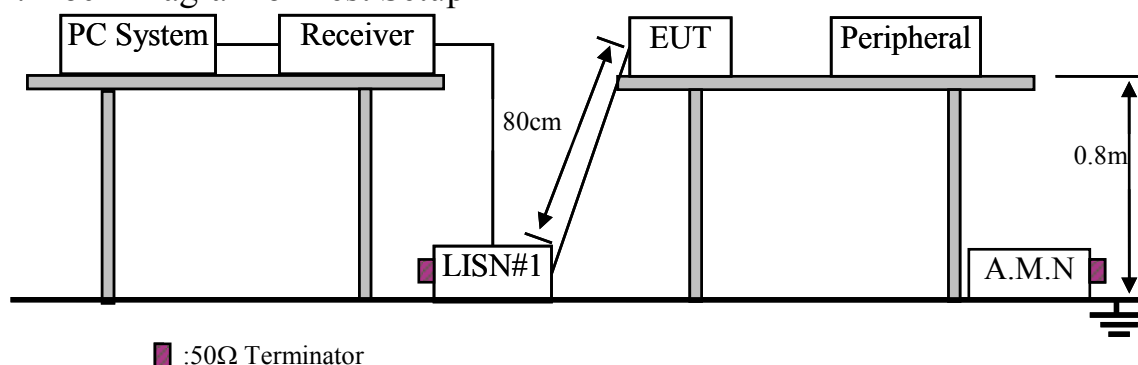
### 3. POWER LINE CONDUCTED EMISSION TEST

#### 3.1. Test Equipments

| Item | Equipment         | Manufacturer    | Model No.                | Serial No. | Last Cal. | Cal. Interval |
|------|-------------------|-----------------|--------------------------|------------|-----------|---------------|
| 1.   | 1# Shielding Room | AUDIX           | N/A                      | N/A        | May.17,18 | 5 Year        |
| 2.   | EMI Test Receiver | Rohde & Schwarz | ESCI                     | 100842     | Apr.07,21 | 1 Year        |
| 3.   | L.I.S.N.#1        | Rohde & Schwarz | ENV216                   | 102160     | Oct.11,20 | 1 Year        |
| 4.   | L.I.S.N.#2        | Kyoritsu        | KNW-407                  | 8-1636-1   | Apr.06,21 | 1 Year        |
| 5.   | Terminator        | Hubersuhner     | 50Ω                      | No.1       | Apr.06,21 | 1 Year        |
| 6.   | Terminator        | Hubersuhner     | 50Ω                      | No.2       | Apr.06,21 | 1 Year        |
| 7.   | RF Cable          | EMCI            | EMCCFD300-B<br>M-NM-2000 | 190422     | Apr.08,21 | 1 Year        |
| 8.   | Test Software     | AUDIX           | e3                       | 6.100913a  | N/A       | N/A           |

Note: N/A means Not applicable.

#### 3.2. Block Diagram of Test Setup



■ :50Ω Terminator

#### 3.3. Power Line Conducted Emission Test Limits

| Frequency       | Maximum RF Line Voltage    |                         |
|-----------------|----------------------------|-------------------------|
|                 | Quasi-Peak Level<br>dB(μV) | Average Level<br>dB(μV) |
| 150kHz ~ 500kHz | 66 ~ 56*                   | 56 ~ 46*                |
| 500kHz ~ 5MHz   | 56                         | 46                      |
| 5MHz ~ 30MHz    | 60                         | 50                      |

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

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

#### 3.4. Configuration of EUT on Test

The following equipment are installed on Power Line Conducted Emission Test to meet the commission requirement and operating regulations in a manner which tends to maximize its emission characteristics in a normal application.

##### 3.4.1. Projector (EUT)

Model No. : MP250

Serial No. : N/A

##### 3.4.2. Support Equipment: As Tested Supporting System Details, in Section 2.2.

### 3.5. Operating Condition of EUT

- 3.5.1. Setup the EUT as shown as Section 3.2.
- 3.5.2. Turn on the power of EUT.
- 3.5.3. PC run test software to control EUT work in Tx mode.

### 3.6. Test Procedure

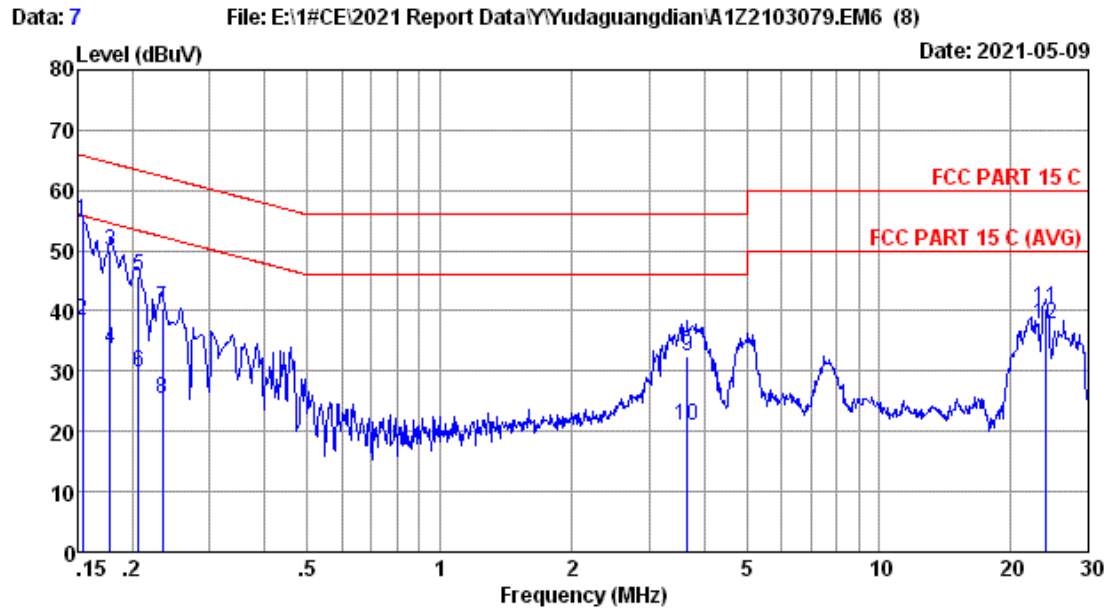
The EUT was placed on a non-metallic table, 80cm above the ground plane. The EUT Power Via AC unit connected to the power mains through a line impedance stabilization network (L.I.S.N. #1). This provides a 50 ohm coupling impedance for the EUT (Please refer the block diagram of the test setup and photographs). The AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.10: 2013 on Conducted Emission Test.

The bandwidth of test receiver (R & S ESCI) is set at 9kHz.

The frequency range from 150kHz to 30MHz is checked.

### 3.7. Power Line Conducted Emission Test Results

**PASS.** (All emissions not reported below are too low against the prescribed limits.)

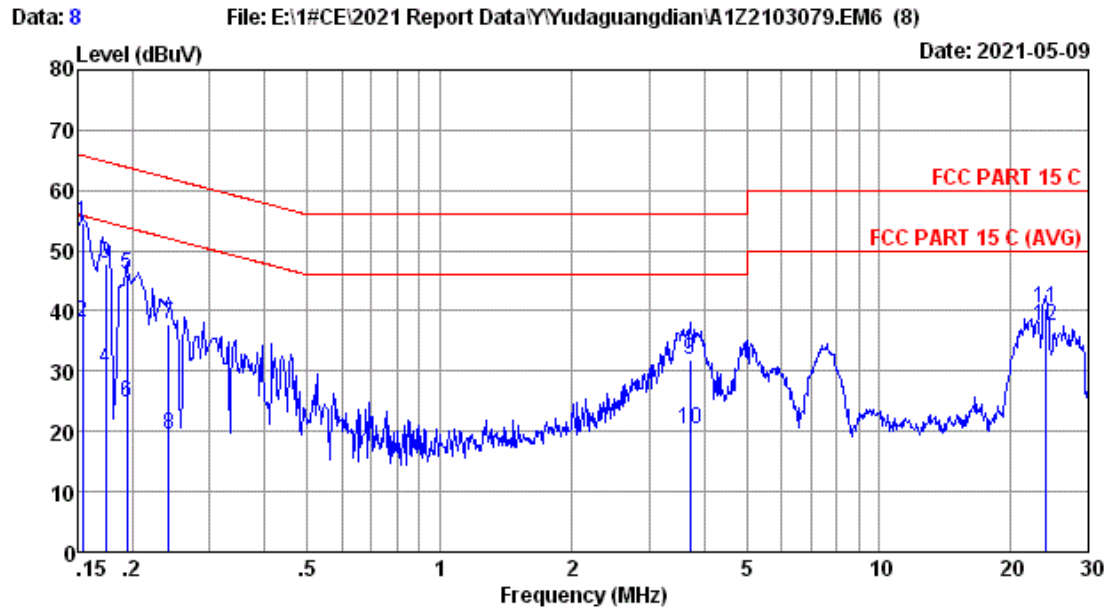


Site no :1# Conduction  
 Dis./Lisn :2020 ENV216-L  
 Limit :FCC PART 15 C  
 Env./Ins. :Temp:23.7°C Humi:52%  
 Test Mode :WIFI 5G TX

Data No :7  
 LISN phase:  
 Engineer :Evan

| No | Freq<br>(MHz) | LISN<br>Factor<br>(dB) | Cable<br>loss<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV) | Limits<br>(dBuV) | Margin<br>(dB) | Remark  |
|----|---------------|------------------------|-----------------------|-------------------|-----------------------------|------------------|----------------|---------|
| 1  | 0.154         | 9.70                   | 0.01                  | 45.10             | 54.81                       | 65.78            | 10.97          | QP      |
| 2  | 0.154         | 9.70                   | 0.01                  | 28.60             | 38.31                       | 55.78            | 17.47          | Average |
| 3  | 0.178         | 9.70                   | 0.01                  | 40.30             | 50.01                       | 64.58            | 14.57          | QP      |
| 4  | 0.178         | 9.70                   | 0.01                  | 23.90             | 33.61                       | 54.58            | 20.97          | Average |
| 5  | 0.206         | 9.70                   | 0.01                  | 35.90             | 45.61                       | 63.37            | 17.76          | QP      |
| 6  | 0.206         | 9.70                   | 0.01                  | 20.20             | 29.91                       | 53.37            | 23.46          | Average |
| 7  | 0.234         | 9.70                   | 0.01                  | 30.80             | 40.51                       | 62.31            | 21.80          | QP      |
| 8  | 0.234         | 9.70                   | 0.01                  | 15.80             | 25.51                       | 52.31            | 26.80          | Average |
| 9  | 3.666         | 9.70                   | 0.04                  | 22.70             | 32.44                       | 56.00            | 23.56          | QP      |
| 10 | 3.666         | 9.70                   | 0.04                  | 11.30             | 21.04                       | 46.00            | 24.96          | Average |
| 11 | 23.986        | 9.90                   | 0.11                  | 30.40             | 40.41                       | 60.00            | 19.59          | QP      |
| 12 | 23.986        | 9.90                   | 0.11                  | 27.90             | 37.91                       | 50.00            | 12.09          | Average |

Remarks: 1.Emission Level=LISN Factor+Cable Loss+Reading.  
 2.If the average limit is met when using a quasi-peak detector.  
 the EUT shall be deemed to meet both limits and measurement  
 with average detector is unnecessary.



Site no :1# Conduction  
 Dis./Lisn :2020 ENV216-N  
 Limit :FCC PART 15 C  
 Env./Ins. :Temp:23.7°C Humi:52%  
 Test Mode :WIFI 5G TX

Data No :8  
 LISN phase:  
 Engineer :Evan

| No | Freq (MHz) | LISN Factor (dB) | Cable loss (dB) | Reading (dBuV) | Emission Level (dBuV) | Limits (dBuV) | Margin (dB) | Remark  |
|----|------------|------------------|-----------------|----------------|-----------------------|---------------|-------------|---------|
| 1  | 0.154      | 9.70             | 0.01            | 45.00          | 54.71                 | 65.78         | 11.07       | QP      |
| 2  | 0.154      | 9.70             | 0.01            | 28.40          | 38.11                 | 55.78         | 17.67       | Average |
| 3  | 0.174      | 9.70             | 0.01            | 38.10          | 47.81                 | 64.77         | 16.96       | QP      |
| 4  | 0.174      | 9.70             | 0.01            | 20.60          | 30.31                 | 54.77         | 24.46       | Average |
| 5  | 0.194      | 9.70             | 0.01            | 36.20          | 45.91                 | 63.86         | 17.95       | QP      |
| 6  | 0.194      | 9.70             | 0.01            | 15.10          | 24.81                 | 53.86         | 29.05       | Average |
| 7  | 0.242      | 9.70             | 0.01            | 28.10          | 37.81                 | 62.03         | 24.22       | QP      |
| 8  | 0.242      | 9.70             | 0.01            | 9.80           | 19.51                 | 52.03         | 32.52       | Average |
| 9  | 3.718      | 9.70             | 0.04            | 22.20          | 31.94                 | 56.00         | 24.06       | QP      |
| 10 | 3.718      | 9.70             | 0.04            | 10.50          | 20.24                 | 46.00         | 25.76       | Average |
| 11 | 23.982     | 9.90             | 0.11            | 30.30          | 40.31                 | 60.00         | 19.69       | QP      |
| 12 | 23.982     | 9.90             | 0.11            | 27.50          | 37.51                 | 50.00         | 12.49       | Average |

Remarks: 1.Emission Level=LISN Factor+Cable Loss+Reading.  
 2.If the average limit is met when using a quasi-peak detector.  
 the EUT shall be deemed to meet both limits and measurement  
 with average detector is unnecessary.

## 4. RADIATED EMISSION TEST

### 4.1. Test Equipment

#### 4.1.1. For frequency range 30 MHz ~1000MHz (In 3m Anechoic Chamber)

| Item | Equipment                 | Manufacturer    | Model No.   | Serial No.      | Last Cal. | Cal. Interval |
|------|---------------------------|-----------------|-------------|-----------------|-----------|---------------|
| 1.   | 3#Chamber(NSA)            | AUDIX           | N/A         | N/A             | May.02,21 | 1 Year        |
| 2.   | 3#Chamber(SE)             | AUDIX           | N/A         | N/A             | May.17,18 | 5 Year        |
| 3.   | Signal Analyzer           | Rohde & Schwarz | FSV30       | 104050          | Apr.07,21 | 1 Year        |
| 4.   | EMI Test Receiver         | Rohde & Schwarz | ESR7        | 101547          | Apr.07,21 | 1 Year        |
| 5.   | Amplifier                 | HP              | 8447D       | 2648A04738      | Apr.08,21 | 1 Year        |
| 6.   | Tri-log-Broadband Antenna | SCHWARZBECK     | VULB 9168   | 710             | Oct.19,20 | 1 Year        |
| 7.   | NSA Cable                 | HUBER+SUHNER    | CFD400NL-LW | No.3            | Oct.11,20 | 1 Year        |
| 8.   | Coaxial Switch            | Anritsu         | MP59B       | 6201397223      | Apr.07,21 | 1 Year        |
| 9.   | Test Software             | AUDIX           | e3          | 6.2009-5-21a(n) | N/A       | N/A           |

Note: N/A means Not applicable.

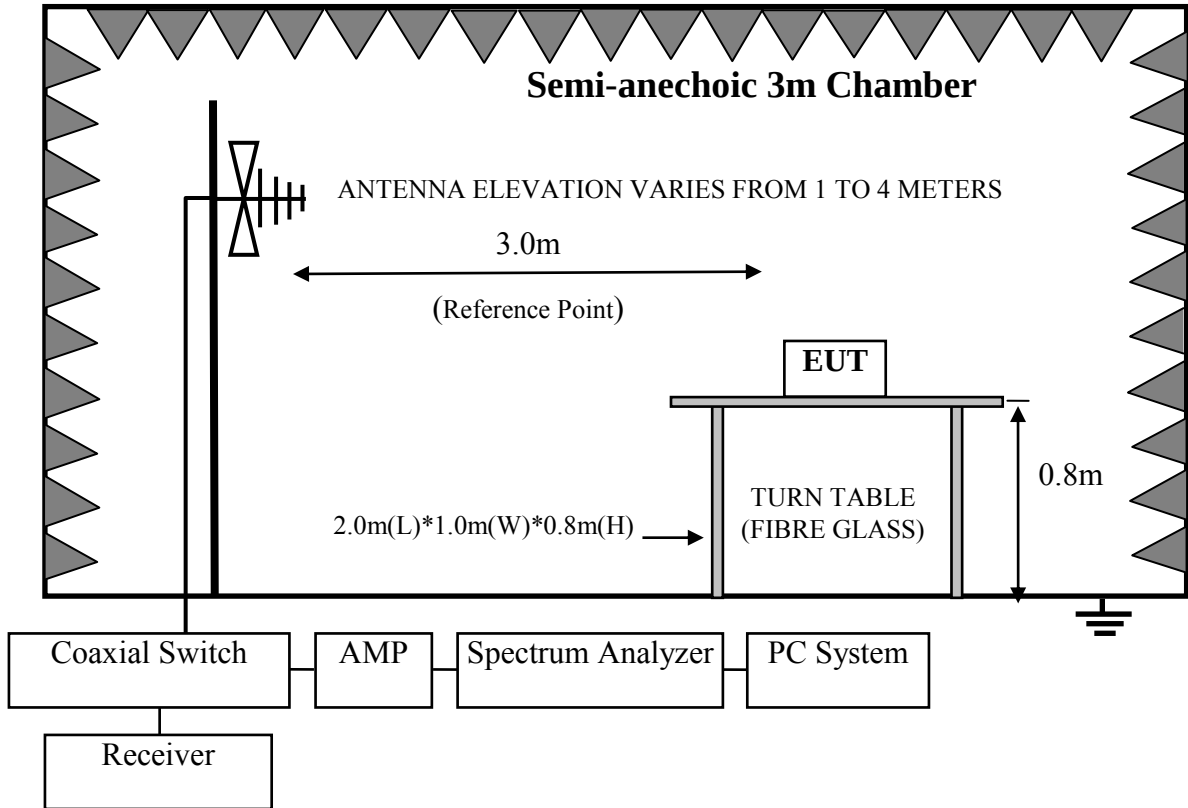
#### 4.1.2. For frequency range 1GHz~40GHz (In 3m Anechoic Chamber)

| Item | Equipment        | Manufacturer    | Model No.    | Serial No.      | Last Cal. | Cal. Interval |
|------|------------------|-----------------|--------------|-----------------|-----------|---------------|
| 1.   | 3#Chamber(Svswr) | AUDIX           | N/A          | N/A             | Apr.14,21 | 1 Year        |
| 2.   | 3#Chamber(SE)    | AUDIX           | N/A          | N/A             | May.17,18 | 5 Year        |
| 3.   | Signal Analyzer  | Rohde & Schwarz | FSV30        | 104050          | Apr.07,21 | 1 Year        |
| 4.   | Horn Antenna     | ETC             | MCTD 1209    | DRH15F03006     | Jul.30,20 | 1 Year        |
| 5.   | Horn Antenna     | ETC             | 3116         | 00060089        | Dec.09,20 | 1 Year        |
| 6.   | Amplifier        | Agilent         | 83017A       | MY53270084      | Oct.11,20 | 1 Year        |
| 7.   | RF Cable         | Hubersuhner     | SUCOFLEX-106 | 505238/6        | Apr.07,21 | 1 Year        |
| 8.   | Test Software    | AUDIX           | e3           | 6.2009-5-21a(n) | N/A       | N/A           |

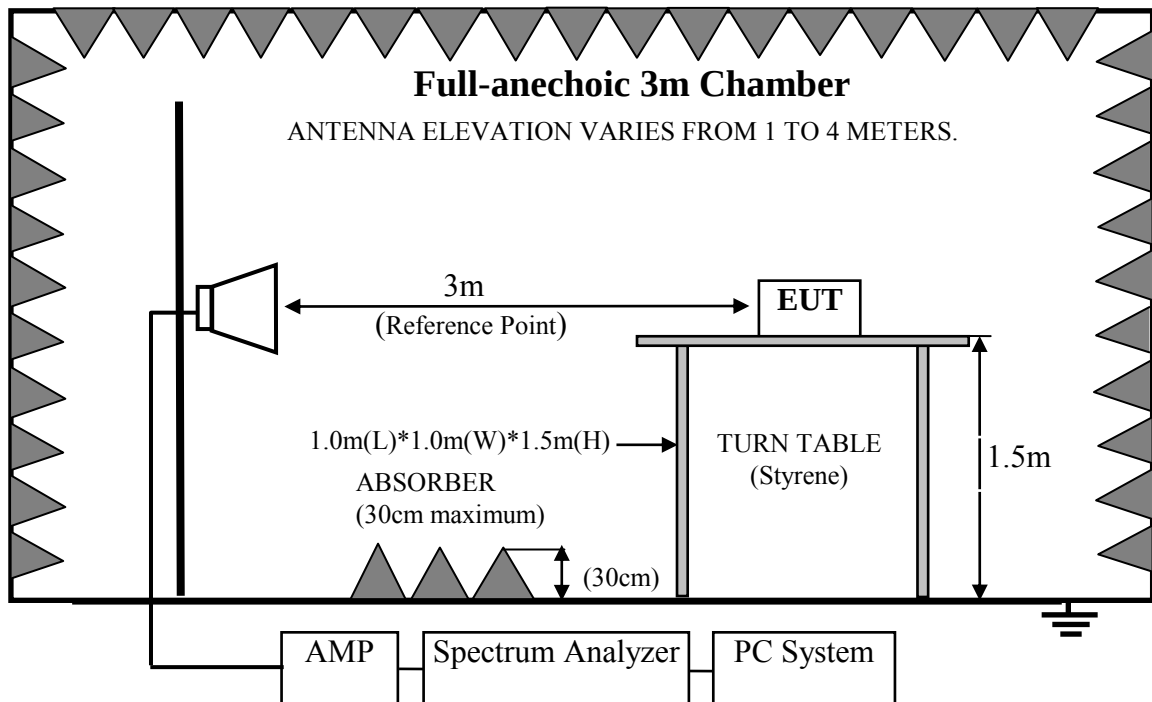
Note: N/A means Not applicable.

## 4.2. Block Diagram of Test Setup

For frequency range 30MHz-1000MHz



For frequency range 1GHz-40GHz



### 4.3. Radiated Emission Limit

For transmitters operating in the 5.15-5.25GHz band: All emissions outside of the 5.15-5.35GHz band shall not exceed an e.i.r.p. of -27dBm/MHz.

For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of -27dBm/MHz at 75MHz or more above or below the band edge increasing linearly to 10dBm/MHz at 25MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6dBm/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.

Unwanted emissions below 1 GHz and those emissions appearing within 15.205 restricted frequency bands must comply with the general field strength limits set forth in Section 15.209.

#### 4.3.1. 15.209 limits

| FREQUENCY<br>MHz | DISTANCE<br>Meters | FIELD STRENGTHS LIMIT                                                                             |                                   |
|------------------|--------------------|---------------------------------------------------------------------------------------------------|-----------------------------------|
|                  |                    | $\mu\text{V}/\text{m}$                                                                            | $\text{dB}(\mu\text{V})/\text{m}$ |
| 30 ~ 88          | 3                  | 100                                                                                               | 40.0                              |
| 88 ~ 216         | 3                  | 150                                                                                               | 43.5                              |
| 216 ~ 960        | 3                  | 200                                                                                               | 46.0                              |
| 960 ~ 1000       | 3                  | 500                                                                                               | 54.0                              |
| Above 1000       | 3                  | 74.0 $\text{dB}(\mu\text{V})/\text{m}$ (Peak)<br>54.0 $\text{dB}(\mu\text{V})/\text{m}$ (Average) |                                   |

Remarks : (1) Emission level  $\text{dB}\mu\text{V} = 20 \log$  Emission level  $\mu\text{V}/\text{m}$

(2) The smaller limit shall apply at the cross point between two frequency bands.

(3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

#### 4.3.2. 15.205 Restricted bands of operation

| MHz                        | MHz                   | MHz             | GHz              |
|----------------------------|-----------------------|-----------------|------------------|
| 0.090 - 0.110              | 16.42 - 16.423        | 399.9 - 410     | 4.5 - 5.15       |
| <sup>1</sup> 0.495 - 0.505 | 16.69475 - 16.69525   | 608 - 614       | 5.35 - 5.46      |
| 2.1735 - 2.1905            | 16.80425 - 16.80475   | 960 - 1240      | 7.25 - 7.75      |
| 4.125 - 4.128              | 25.5 - 25.67          | 1300 - 1427     | 8.025 - 8.5      |
| 4.17725 - 4.17775          | 37.5 - 38.25          | 1435 - 1626.5   | 9.0 - 9.2        |
| 4.20725 - 4.20775          | 73 - 74.6             | 1645.5 - 1646.5 | 9.3 - 9.5        |
| 6.215 - 6.218              | 74.8 - 75.2           | 1660 - 1710     | 10.6 - 12.7      |
| 6.26775 - 6.26825          | 108 - 121.94          | 1718.8 - 1722.2 | 13.25 - 13.4     |
| 6.31175 - 6.31225          | 123 - 138             | 2200 - 2300     | 14.47 - 14.5     |
| 8.291 - 8.294              | 149.9 - 150.05        | 2310 - 2390     | 15.35 - 16.2     |
| 8.362 - 8.366              | 156.52475 - 156.52525 | 2483.5 - 2500   | 17.7 - 21.4      |
| 8.37625 - 8.38675          | 156.7 - 156.9         | 2690 - 2900     | 22.01 - 23.12    |
| 8.41425 - 8.41475          | 162.0125 - 167.17     | 3260 - 3267     | 23.6 - 24.0      |
| 12.29 - 12.293             | 167.72 - 173.2        | 3332 - 3339     | 31.2 - 31.8      |
| 12.51975 - 12.52025        | 240 - 285             | 3345.8 - 3358   | 36.43 - 36.5     |
| 12.57675 - 12.57725        | 322 - 335.4           | 3600 - 4400     | ( <sup>2</sup> ) |

#### 4.4.EUT Configuration on Test

The following equipment are installed on Power Line Conducted Emission Test to meet the commission requirement and operating regulations in a manner which tends to maximize its emission characteristics in a normal application.

##### 4.4.1.Projector (EUT)

Model No. : MP250

Serial No. : N/A

##### 4.4.2.Support Equipment: As Tested Supporting System Details, in Section 2.2.

#### 4.5.Operating Condition of EUT

4.5.1.Setup the EUT and simulator as shown as Section 4.2.

4.5.2.Turn on the power of all equipments.

4.5.3.Let EUT work in Tx mode.

#### 4.6.Test Procedure

##### **Frequency below 30MHz:**

The EUT setup on the turn table which has 0.8 m height to the ground. The turn table rotated 360 degrees and antenna fixed to 1 m to find the maximum emission level. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10-2013 regulation.

EUT and its simulators are placed on a turn table, which is 0.8 meter high above ground for frequency 30MHz~1000MHz, 1.5 meter high above ground for frequency above 1GHz and put the absorbing with 2.4m(L)\*2.4m(W)\*0.3m(H) on the ground . The turn table can rotate 360 degrees to determine the position of the maximum emission level. Power on the EUT and let it working in test mode, then test it. EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower. The antenna can be moved up and down between 1 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna for frequency 30MHz~1000MHz, and the Horn antenna is used as receiving antenna for frequency above 1GHz. Both horizontal and vertical polarization of the antenna is set on Test. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.10-2013 on radiated emission Test.

For emissions below 1GHz and those emissions appearing within 15.205 restricted frequency bands use below procedure:

This test was performed with EUT in X, Y, Z position, and the worse case was found when EUT in X position as test photo indicated.

The bandwidth of the EMI test receiver (R&S ESR7) is set at 120kHz for frequency range from 30MHz to 1000MHz.

Maximum Peak emission levels are measured by setting the analyzer as follows:

- (a) RBW = 1MHz.
- (b) VBW  $\geq$  3MHz.
- (c) Detector = Peak.
- (d) Sweep time = auto.
- (e) Trace mode = max hold.
- (f) Allow sweeps to continue until the trace stabilizes. Note that if the transmission is not continuous, the time required for the trace to stabilize will increase by a factor of approximately  $1/x$ , where  $x$  is the duty cycle. For example, at 50% duty cycle, the measurement time will increase by a factor of two relative to measurement time for continuous transmission.

Maximum Average emission levels are measured by setting the analyzer as follows:

- (a) RBW = 1MHz.
- (b) VBW  $\geq$  3MHz.
- (c) Detector = power averaging (rms), if  $\text{span}/(\# \text{ of points in sweep}) \leq \text{RBW}/2$ . Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If the condition is not satisfied, the detector mode shall be set to peak.
- (d) Averaging type = power averaging (rms)  
As an alternative, the detector and averaging type may be set for linear voltage averaging. Some instruments require linear display mode to use linear voltage averaging. Log or dB averaging shall not be used.
- (e) Sweep time = auto.
- (f) Perform a trace average of at least 100 traces if the transmission is continuous. If the transmission is not continuous, the number of traces shall be increased by a factor of  $1/x$ , where  $x$  is the duty cycle. For example, with 50% duty cycle, at least 200 traces shall be averaged. (If a specific emission is demonstrated to be continuous—i.e., 100% duty cycle—rather than turning on and off with the transmit cycle, at least 100 traces shall be averaged.)
- (g) If tests are performed with the EUT transmitting at a duty cycle less than 98%, a correction factor shall be added to the measurement results prior to comparing to the emission limit to compute the emission level that would have been measured had the test been performed at 100% duty cycle. The correction factor is computed as follows:
  - If power averaging (rms) mode was used in step (iv) above, the correction factor is  $10 \log (1/x)$ , where  $x$  is the duty cycle. For example, if the transmit duty cycle was 50%, then 3 dB must be added to the measured emission levels.
  - If linear voltage averaging mode was used in step (iv) above, the correction factor is  $20 \log (1/x)$ , where  $x$  is the duty cycle. For example, if the transmit duty cycle was 50%, then 6 dB must be added to the measured emission levels.
  - If a specific emission is demonstrated to be continuous (100% duty cycle) rather than turning on and off with the transmit cycle, no duty cycle correction is required for that emission.

For the emissions above 1GHz and not appearing within 15.205 restricted frequency bands use below procedure:

- (1). The maximum emission at 3m distance was measured and recorded with receive antenna in both vertical and horizontal by rotating the turntable and by lowering the receive antenna.
- (2). The EUT was then removed and replaced with a substitution antenna in the same position and the substitution antenna must have the same polarization with the receive antenna.
- (3). A signal which have the same frequency obtained in step 2 was fed to the substitution, the receive antenna was raised and lowered to obtain a maximum reading at the test receiver, the level of the signal generator was adjusted until the measured field strength level in step 2 was obtained, recorded the level of the signal generator.
- (4). Repeated step 4 with both antenna polarizations
- (5). The spurious emissions is equal to the power supplied by the signal generator and corrections due to the gain of the substitution antenna and the cable loss between the signal generator and the substitution antenna. or use procedure (6).
- (6). Per KDB789033 clause H 2)d).if the test distance is 3m, the  $EIRP(dBm) = E(dBuV/m) - 95.2$   
Get the result of all unwanted emission outside the restricted band is less than the -27dBm/MHz.

We had checked frequency range that is 30MHz to 10<sup>th</sup> harmonic (40GHz) and no any emissions were found from 18GHz to 40GHz, so the radiated emission from 18GHz to 40GHz were not record.

#### 4.7. Radiated Emission Test Results

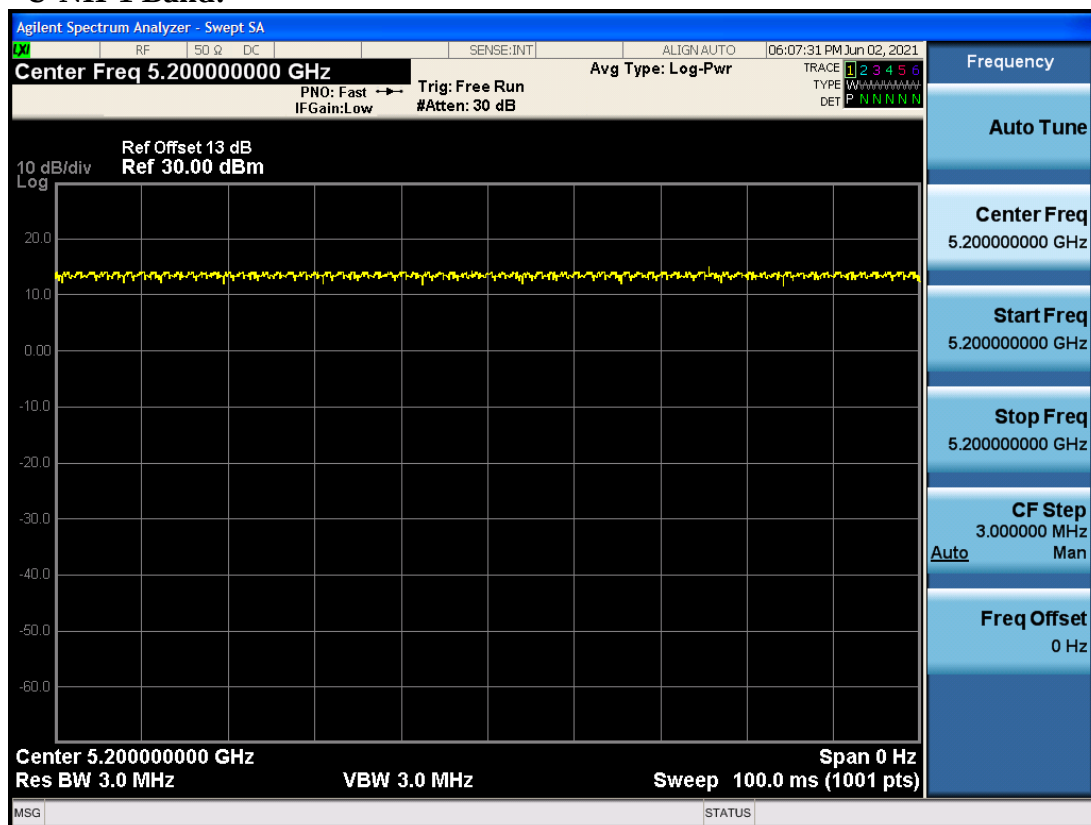
**PASS.**

All the emissions from 30MHz to 1GHz were comply with 15.209 limits.

All other emission comply with 15.407 (b)(1) requirements.

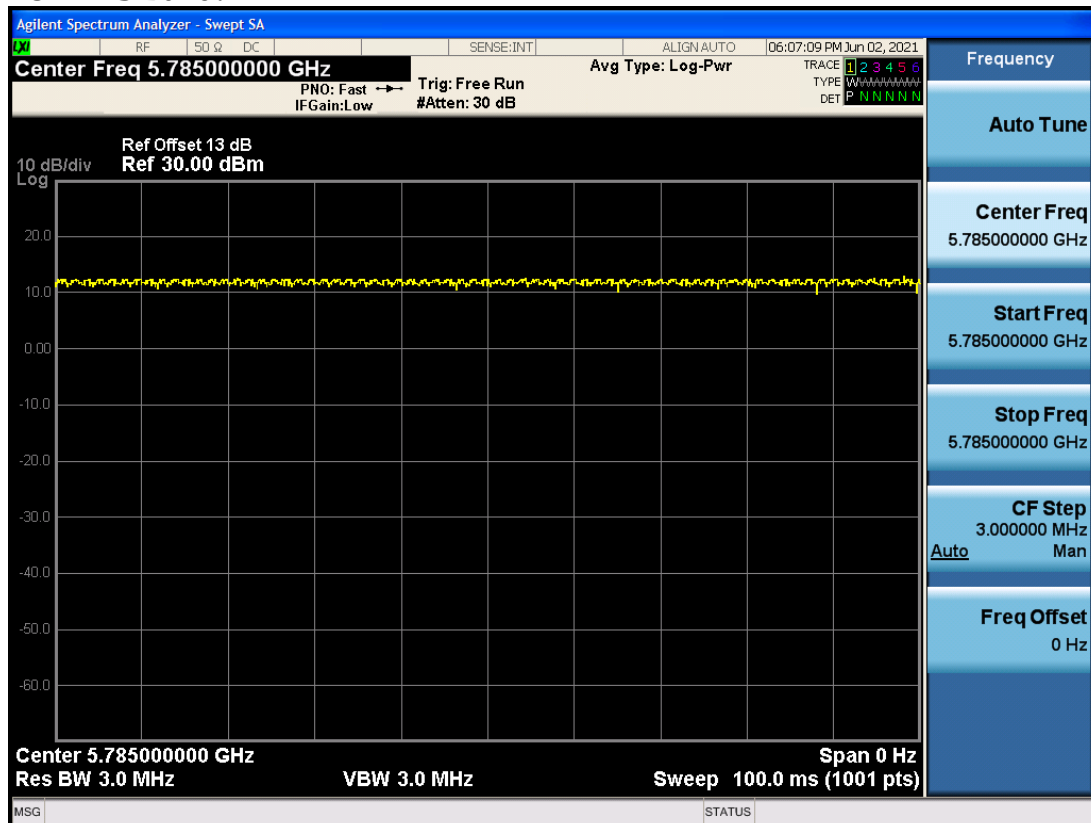
Note: The emissions (9kHz~30MHz) not reported for there is no emission be found.

## Duty cycle U-NII-1 Band:



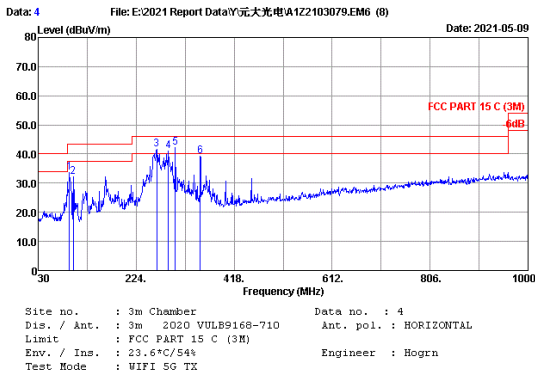
Note: The duty cycle of the test signal is 100%.

## U-NII-3 Band:



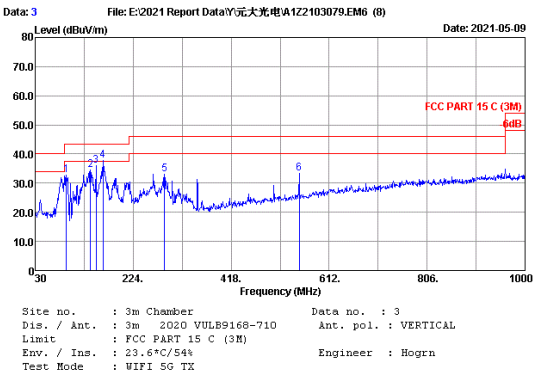
Note: The duty cycle of the test signal is 100%.

# Frequency: 30MHz~1GHz



| No. | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|----------------|--------------------------|-----------------------|-------------------|-------------------------------|--------------------|----------------|--------|
| 1   | 92.080         | 13.60                    | 0.95                  | 18.98             | 33.53                         | 43.50              | 9.97           | QP     |
| 2   | 99.840         | 14.80                    | 1.02                  | 16.43             | 32.25                         | 43.50              | 11.25          | QP     |
| 3   | 264.740        | 18.00                    | 1.62                  | 21.98             | 41.60                         | 46.00              | 4.40           | QP     |
| 4   | 288.020        | 18.82                    | 1.70                  | 20.40             | 40.92                         | 46.00              | 5.08           | QP     |
| 5   | 301.600        | 19.10                    | 1.75                  | 21.24             | 42.09                         | 46.00              | 3.91           | QP     |
| 6   | 351.070        | 19.96                    | 1.89                  | 17.33             | 39.18                         | 46.00              | 6.82           | QP     |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.

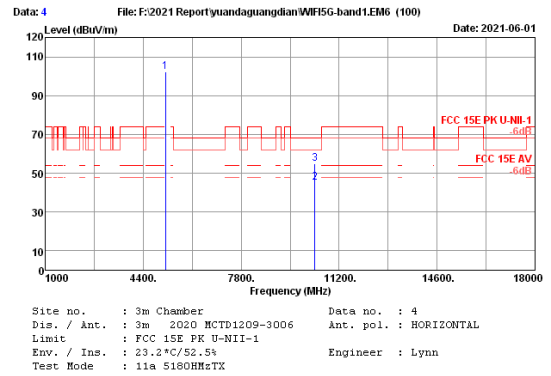
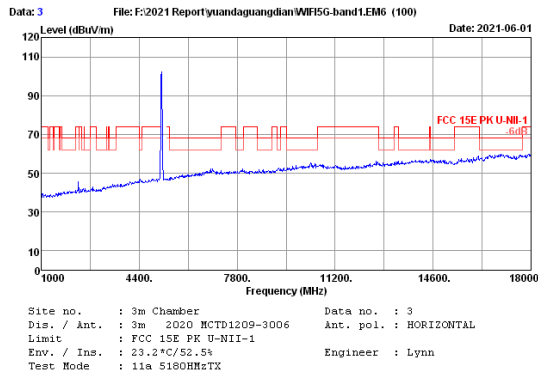


| No. | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|----------------|--------------------------|-----------------------|-------------------|-------------------------------|--------------------|----------------|--------|
| 1   | 92.080         | 13.60                    | 0.95                  | 18.21             | 32.76                         | 43.50              | 10.74          | QP     |
| 2   | 139.610        | 18.70                    | 1.19                  | 14.54             | 34.43                         | 43.50              | 9.07           | QP     |
| 3   | 150.280        | 19.20                    | 1.23                  | 15.61             | 36.04                         | 43.50              | 7.46           | QP     |
| 4   | 163.860        | 19.00                    | 1.30                  | 17.56             | 37.86                         | 43.50              | 5.64           | QP     |
| 5   | 286.080        | 18.74                    | 1.69                  | 12.78             | 33.21                         | 46.00              | 12.79          | QP     |
| 6   | 552.830        | 24.16                    | 2.46                  | 6.83              | 33.45                         | 46.00              | 12.55          | QP     |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.

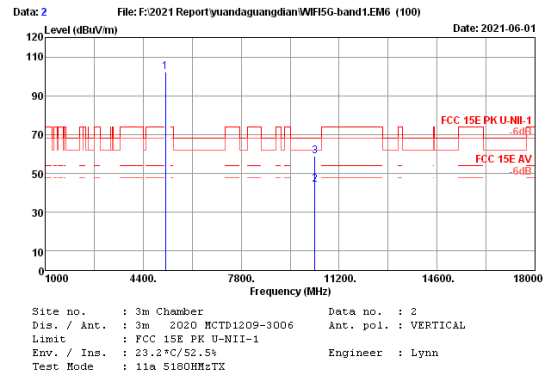
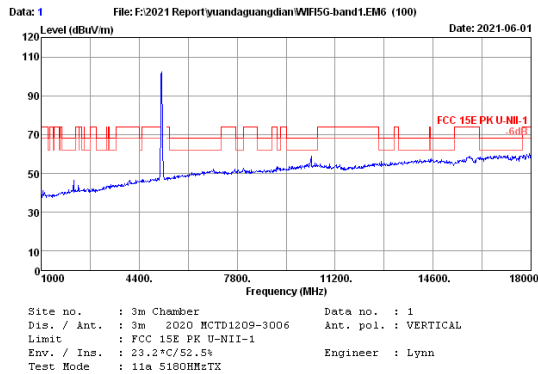
FCC ID: 2AZ3IMP250

### Frequency: 1GHz~18GHz U-NII-1 Band:



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5180.00     | 33.02              | 1.43            | 102.18         | 34.50           | 102.13                  | -----           | -----       | Peak    |
| 2   | 10360.00    | 38.53              | 2.24            | 39.02          | 34.59           | 45.20                   | -----           | -----       | Average |
| 3   | 10360.00    | 38.53              | 2.24            | 48.51          | 34.59           | 54.69                   | 68.20           | 13.51       | Peak    |

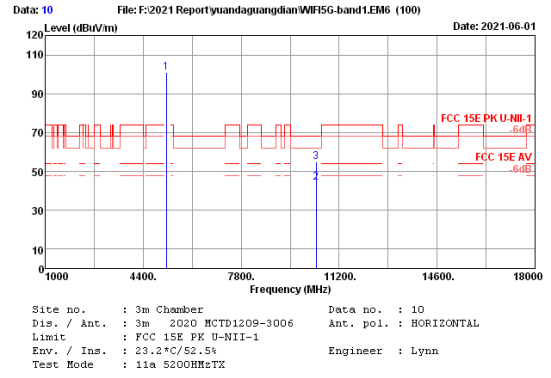
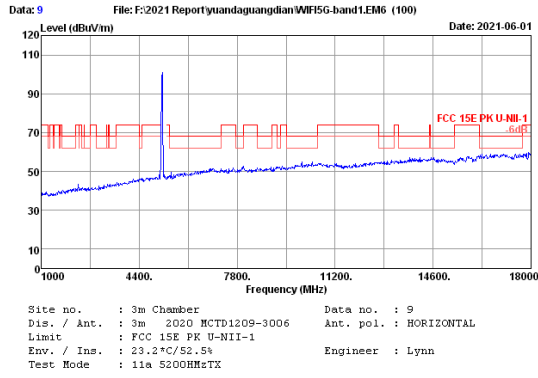
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5180.00     | 33.02              | 1.43            | 102.31         | 34.50           | 102.26                  | -----           | -----       | Peak    |
| 2   | 10360.00    | 38.53              | 2.24            | 38.08          | 34.59           | 44.26                   | -----           | -----       | Average |
| 3   | 10360.00    | 38.53              | 2.24            | 52.59          | 34.59           | 58.77                   | 68.20           | 9.43        | Peak    |

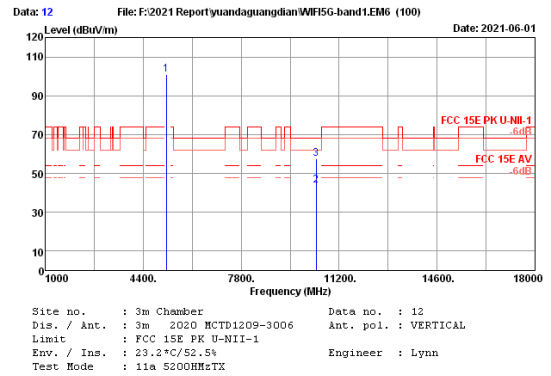
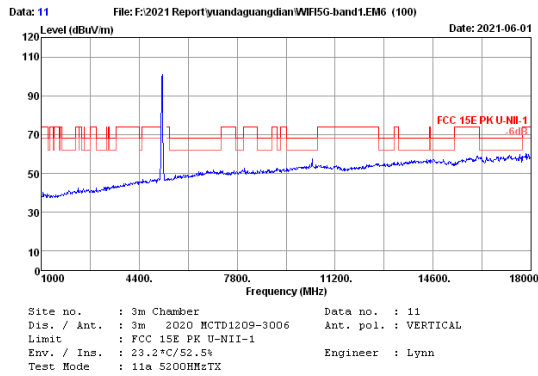
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: 2AZ3IMP250



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5200.00     | 33.04              | 1.44            | 100.96         | 34.50           | 100.94                  | -----           | -----       | Peak    |
| 2   | 10400.00    | 38.60              | 2.24            | 38.04          | 34.63           | 44.25                   | -----           | -----       | Average |
| 3   | 10400.00    | 38.60              | 2.24            | 48.74          | 34.63           | 54.95                   | 68.20           | 13.25       | Peak    |

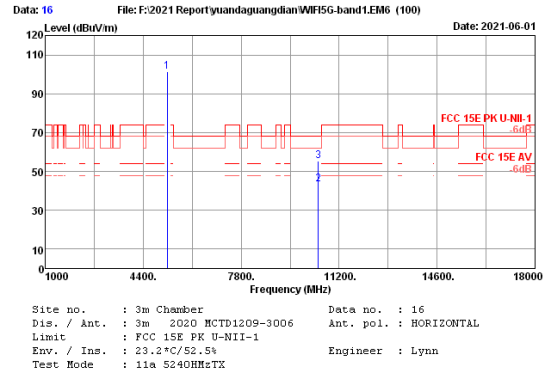
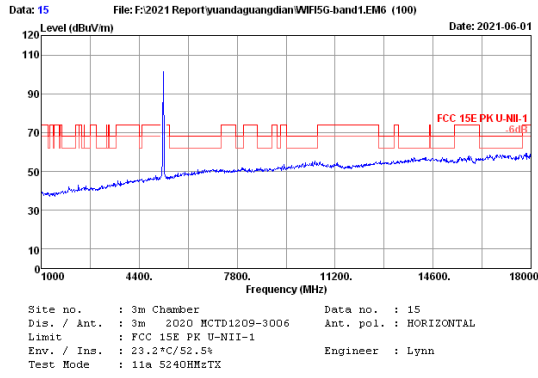
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5200.00     | 33.04              | 1.44            | 101.13         | 34.50           | 101.11                  | -----           | -----       | Peak    |
| 2   | 10400.00    | 38.60              | 2.24            | 37.68          | 34.63           | 43.89                   | -----           | -----       | Average |
| 3   | 10400.00    | 38.60              | 2.24            | 51.39          | 34.63           | 57.60                   | 68.20           | 10.60       | Peak    |

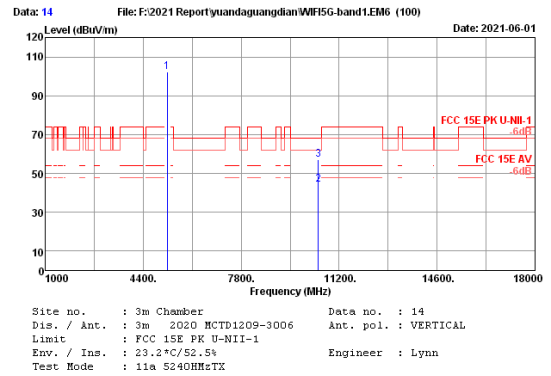
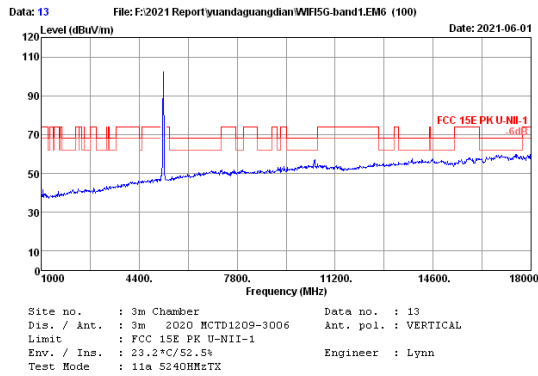
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: 2AZ3IMP250



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5240.00     | 33.08              | 1.45            | 101.21         | 34.50           | 101.24                  | -----           | -----       | Peak    |
| 2   | 10480.00    | 38.77              | 2.25            | 37.27          | 34.69           | 43.60                   | -----           | -----       | Average |
| 3   | 10480.00    | 38.77              | 2.25            | 49.11          | 34.69           | 55.44                   | 68.20           | 12.76       | Peak    |

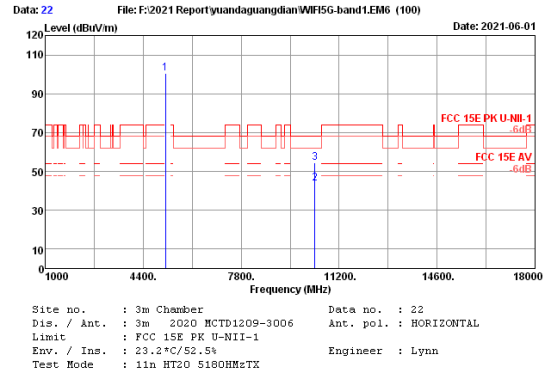
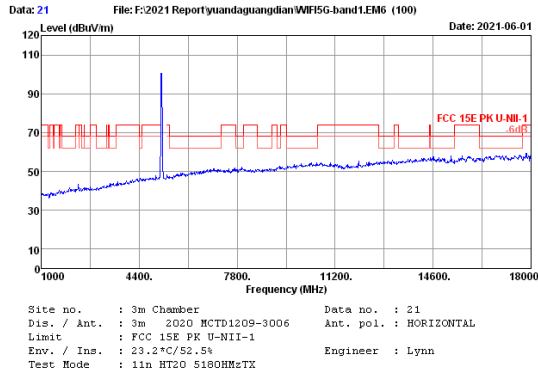
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5240.00     | 33.08              | 1.45            | 102.30         | 34.50           | 102.33                  | -----           | -----       | Peak    |
| 2   | 10480.00    | 38.77              | 2.25            | 38.13          | 34.69           | 44.46                   | -----           | -----       | Average |
| 3   | 10480.00    | 38.77              | 2.25            | 50.73          | 34.69           | 57.06                   | 68.20           | 11.14       | Peak    |

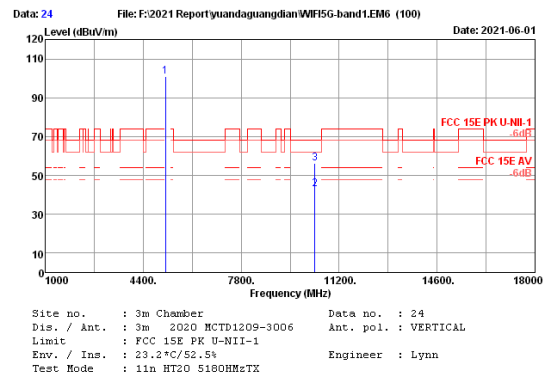
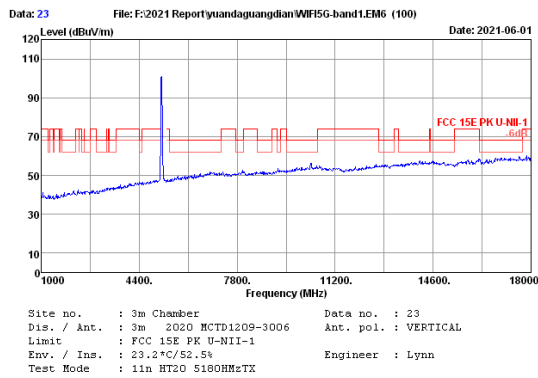
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

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| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5180.00     | 33.02              | 1.43            | 100.75         | 34.50           | 100.70                  | -----           | -----       | Peak    |
| 2   | 10360.00    | 38.53              | 2.24            | 37.72          | 34.59           | 43.90                   | -----           | -----       | Average |
| 3   | 10360.00    | 38.53              | 2.24            | 48.37          | 34.59           | 54.55                   | 68.20           | 13.65       | Peak    |

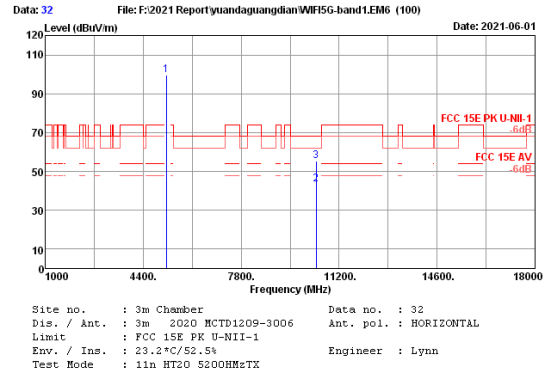
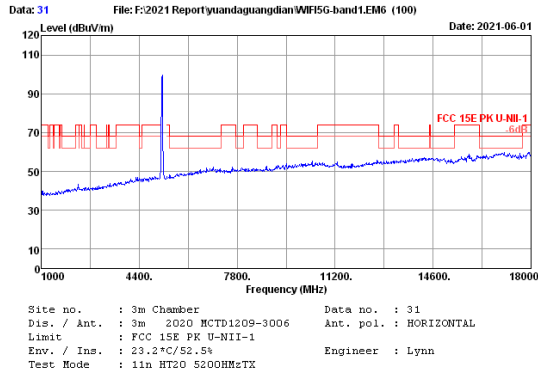
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5180.00     | 33.02              | 1.43            | 101.19         | 34.50           | 101.14                  | -----           | -----       | Peak    |
| 2   | 10360.00    | 38.53              | 2.24            | 36.83          | 34.59           | 43.01                   | -----           | -----       | Average |
| 3   | 10360.00    | 38.53              | 2.24            | 50.09          | 34.59           | 56.27                   | 68.20           | 11.93       | Peak    |

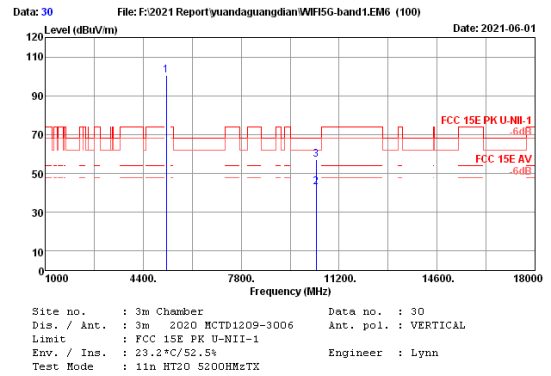
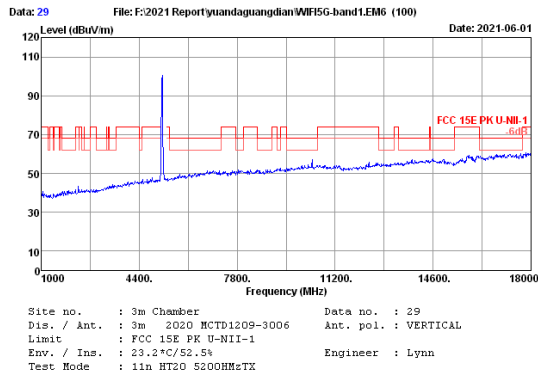
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

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| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5200.00     | 33.04              | 1.44            | 99.66          | 34.50           | 99.64                   | -----           | -----       | Peak    |
| 2   | 10400.00    | 38.60              | 2.24            | 37.09          | 34.63           | 43.30                   | -----           | -----       | Average |
| 3   | 10400.00    | 38.60              | 2.24            | 49.06          | 34.63           | 55.27                   | 68.20           | 12.93       | Peak    |

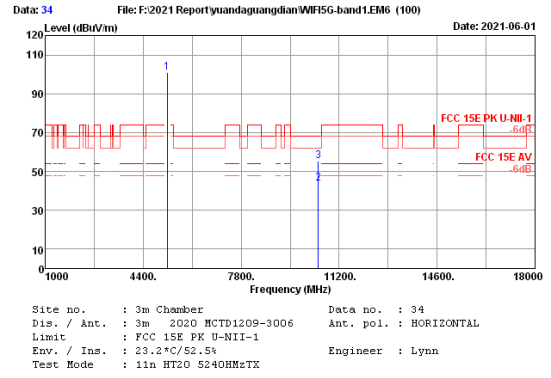
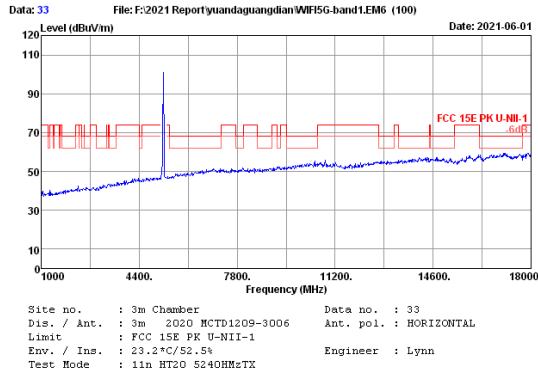
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5200.00     | 33.04              | 1.44            | 100.56         | 34.50           | 100.54                  | -----           | -----       | Peak    |
| 2   | 10400.00    | 38.60              | 2.24            | 36.74          | 34.63           | 42.95                   | -----           | -----       | Average |
| 3   | 10400.00    | 38.60              | 2.24            | 50.78          | 34.63           | 56.99                   | 68.20           | 11.21       | Peak    |

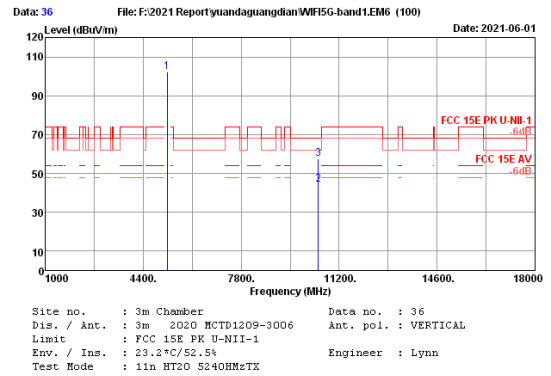
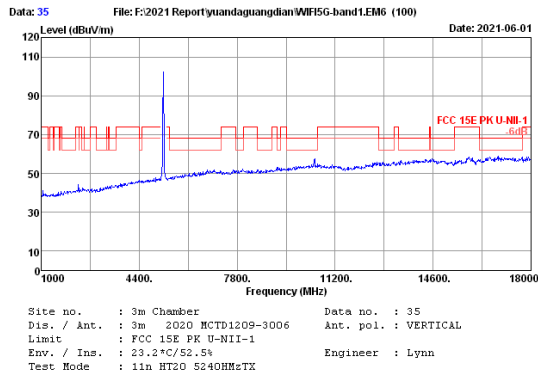
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: 2AZ3IMP250



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5240.00     | 33.08              | 1.45            | 101.10         | 34.50           | 101.13                  | -----           | -----       | Peak    |
| 2   | 10480.00    | 38.77              | 2.25            | 37.34          | 34.69           | 43.67                   | -----           | -----       | Average |
| 3   | 10480.00    | 38.77              | 2.25            | 48.84          | 34.69           | 55.17                   | 68.20           | 13.03       | Peak    |

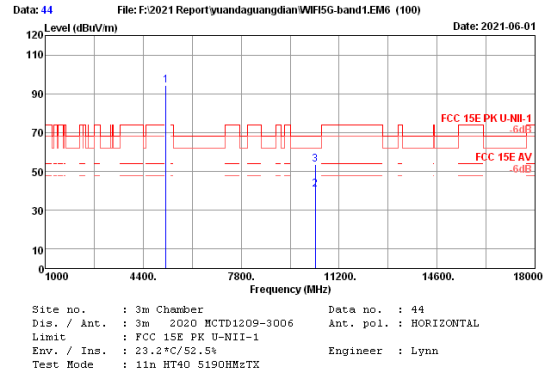
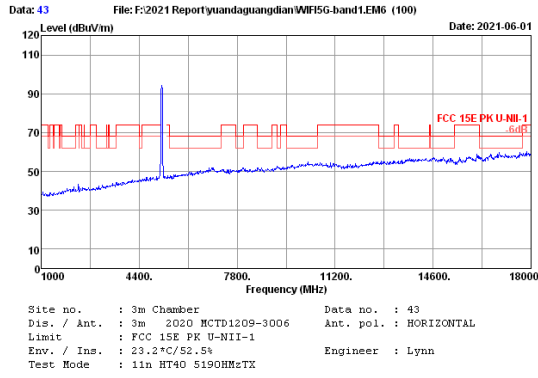
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5240.00     | 33.08              | 1.45            | 102.28         | 34.50           | 102.31                  | -----           | -----       | Peak    |
| 2   | 10480.00    | 38.77              | 2.25            | 37.82          | 34.69           | 44.15                   | -----           | -----       | Average |
| 3   | 10480.00    | 38.77              | 2.25            | 51.10          | 34.69           | 57.43                   | 68.20           | 10.77       | Peak    |

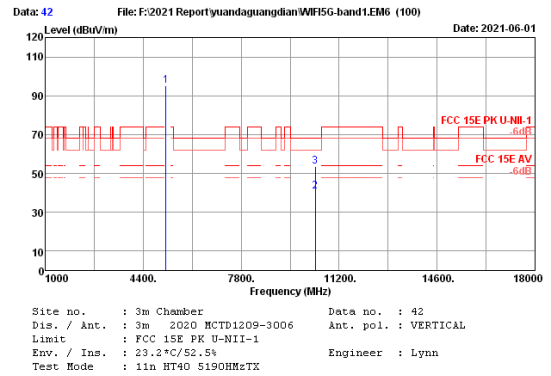
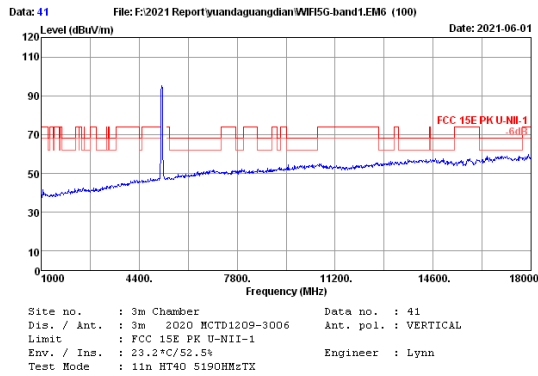
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: 2AZ3IMP250



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5190.00     | 33.02              | 1.44            | 94.29          | 34.50           | 94.25                   | -----           | -----       | Peak    |
| 2   | 10380.00    | 38.57              | 2.24            | 34.53          | 34.61           | 40.73                   | -----           | -----       | Average |
| 3   | 10380.00    | 38.57              | 2.24            | 47.26          | 34.61           | 53.46                   | 68.20           | 14.74       | Peak    |

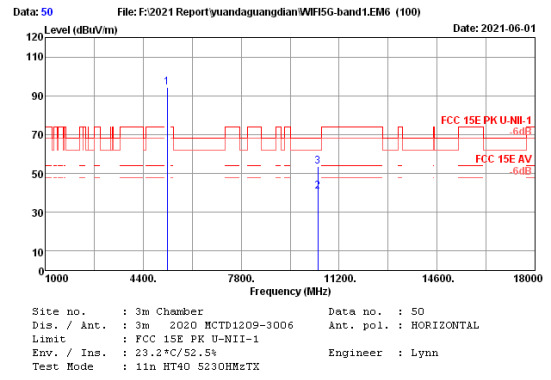
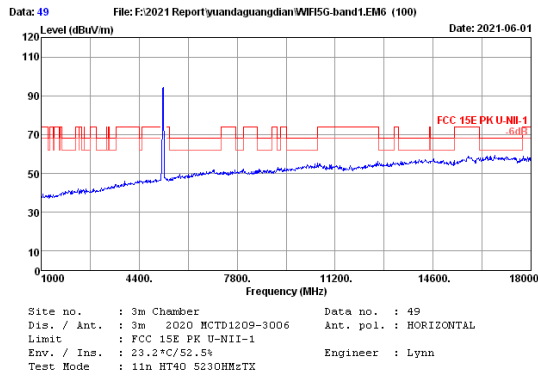
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5190.00     | 33.02              | 1.44            | 95.07          | 34.50           | 95.03                   | -----           | -----       | Peak    |
| 2   | 10380.00    | 38.57              | 2.24            | 34.48          | 34.61           | 40.68                   | -----           | -----       | Average |
| 3   | 10380.00    | 38.57              | 2.24            | 47.46          | 34.61           | 53.66                   | 68.20           | 14.54       | Peak    |

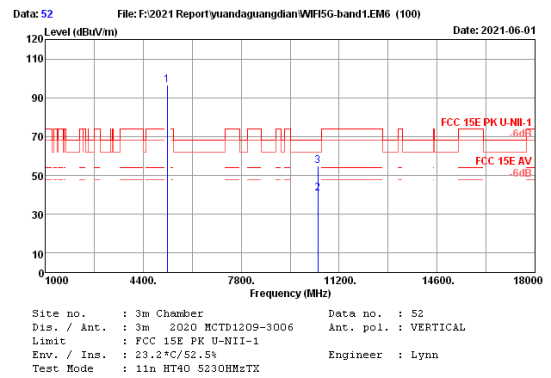
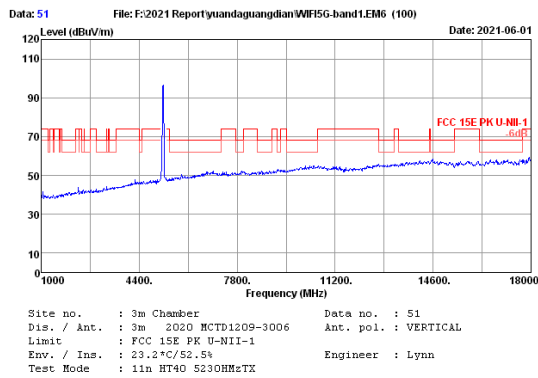
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: 2AZ3IMP250



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5230.00     | 33.08              | 1.45            | 94.43          | 34.50           | 94.46                   | -----           | -----       | Peak    |
| 2   | 10460.00    | 38.70              | 2.25            | 34.46          | 34.67           | 40.74                   | -----           | -----       | Average |
| 3   | 10460.00    | 38.70              | 2.25            | 47.14          | 34.67           | 53.42                   | 68.20           | 14.78       | Peak    |

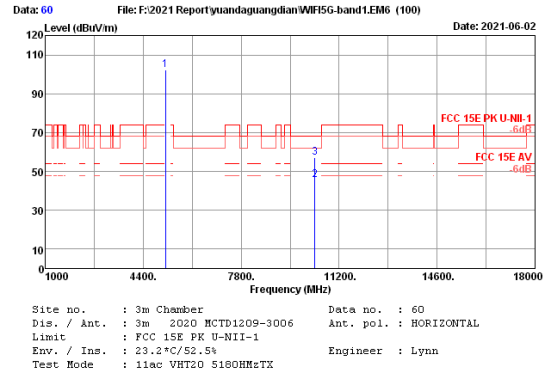
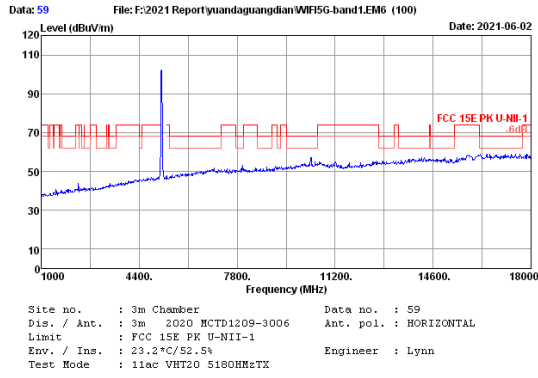
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5230.00     | 33.08              | 1.45            | 96.35          | 34.50           | 96.38                   | -----           | -----       | Peak    |
| 2   | 10460.00    | 38.70              | 2.25            | 34.45          | 34.67           | 40.73                   | -----           | -----       | Average |
| 3   | 10460.00    | 38.70              | 2.25            | 48.60          | 34.67           | 54.88                   | 68.20           | 13.32       | Peak    |

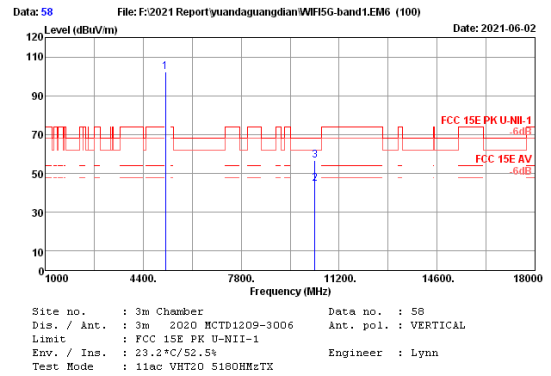
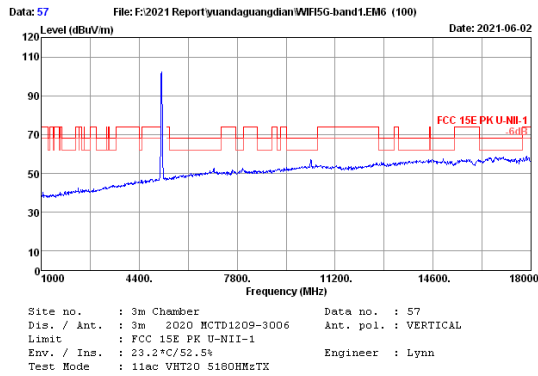
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: 2AZ3IMP250



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5180.00     | 33.02              | 1.43            | 102.44         | 34.50           | 102.39                  | -----           | -----       | Peak    |
| 2   | 10360.00    | 38.53              | 2.24            | 39.22          | 34.59           | 45.40                   | -----           | -----       | Average |
| 3   | 10360.00    | 38.53              | 2.24            | 50.91          | 34.59           | 57.09                   | 68.20           | 11.11       | Peak    |

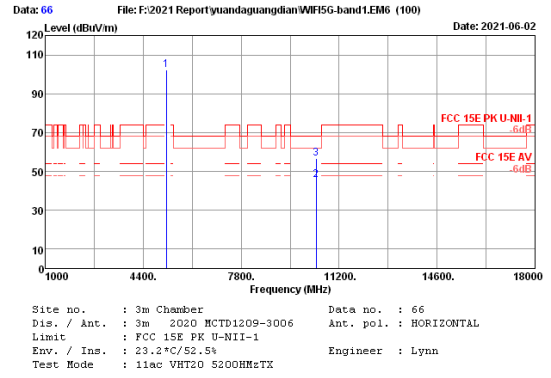
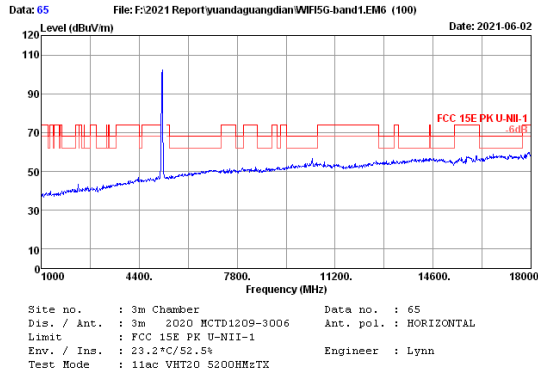
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5180.00     | 33.02              | 1.43            | 102.19         | 34.50           | 102.14                  | -----           | -----       | Peak    |
| 2   | 10360.00    | 38.53              | 2.24            | 38.64          | 34.59           | 44.82                   | -----           | -----       | Average |
| 3   | 10360.00    | 38.53              | 2.24            | 50.54          | 34.59           | 56.72                   | 68.20           | 11.48       | Peak    |

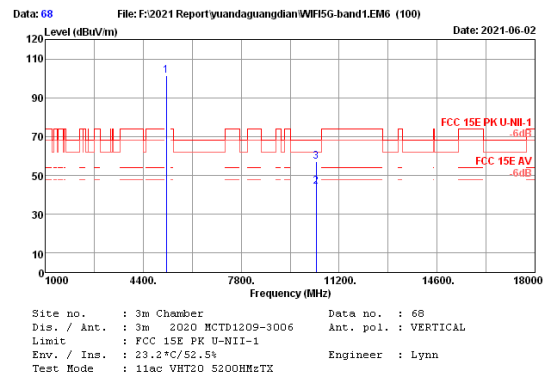
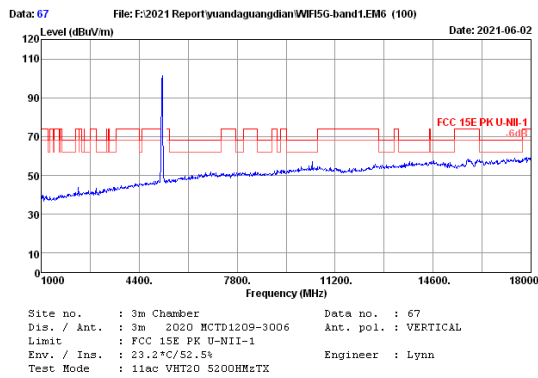
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

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| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5200.00     | 33.04              | 1.44            | 102.11         | 34.50           | 102.09                  | -----           | -----       | Peak    |
| 2   | 10400.00    | 38.60              | 2.24            | 39.50          | 34.63           | 45.71                   | -----           | -----       | Average |
| 3   | 10400.00    | 38.60              | 2.24            | 50.47          | 34.63           | 56.68                   | 68.20           | 11.52       | Peak    |

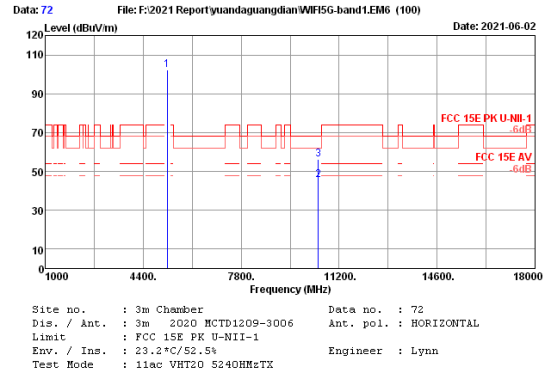
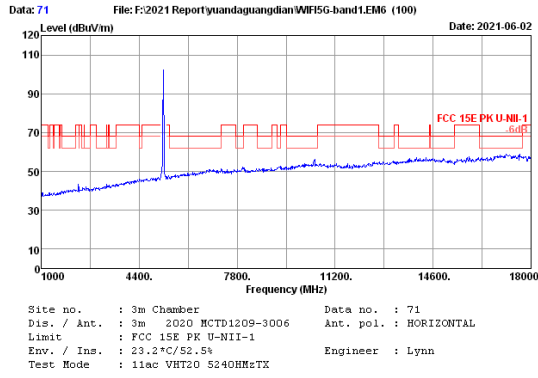
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5200.00     | 33.04              | 1.44            | 101.39         | 34.50           | 101.37                  | -----           | -----       | Peak    |
| 2   | 10400.00    | 38.60              | 2.24            | 37.97          | 34.63           | 44.18                   | -----           | -----       | Average |
| 3   | 10400.00    | 38.60              | 2.24            | 50.94          | 34.63           | 57.15                   | 68.20           | 11.05       | Peak    |

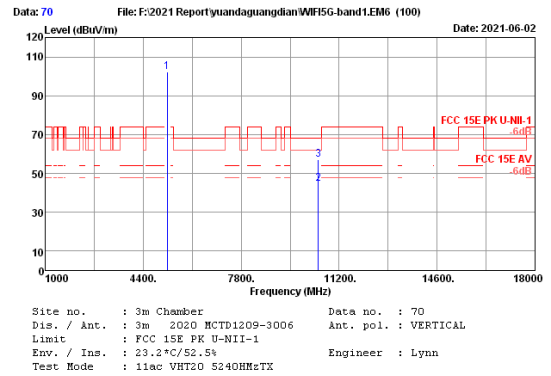
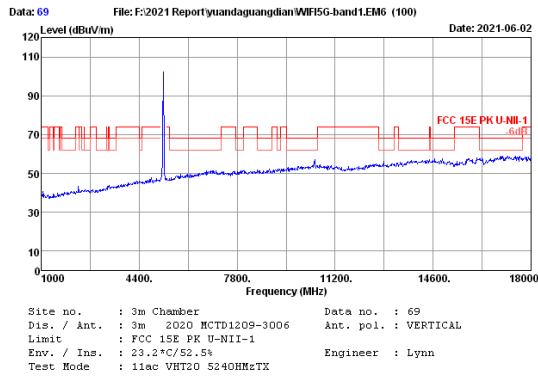
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: 2AZ3IMP250



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5240.00     | 33.08              | 1.45            | 102.04         | 34.50           | 102.07                  | -----           | -----       | Peak    |
| 2   | 10480.00    | 38.77              | 2.25            | 39.29          | 34.69           | 45.62                   | -----           | -----       | Average |
| 3   | 10480.00    | 38.77              | 2.25            | 49.73          | 34.69           | 56.06                   | 68.20           | 12.14       | Peak    |

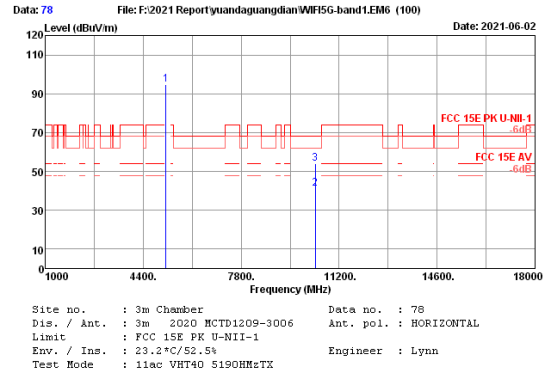
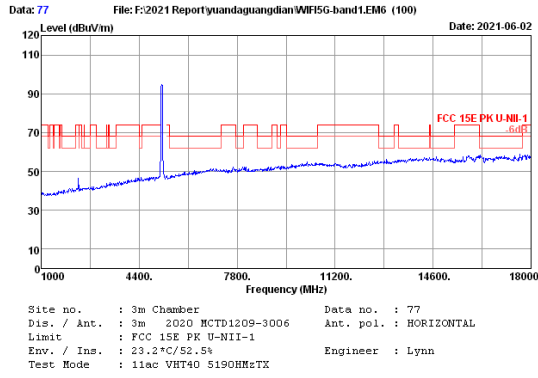
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5240.00     | 33.08              | 1.45            | 102.12         | 34.50           | 102.15                  | -----           | -----       | Peak    |
| 2   | 10480.00    | 38.77              | 2.25            | 38.50          | 34.69           | 44.83                   | -----           | -----       | Average |
| 3   | 10480.00    | 38.77              | 2.25            | 50.61          | 34.69           | 56.94                   | 68.20           | 11.26       | Peak    |

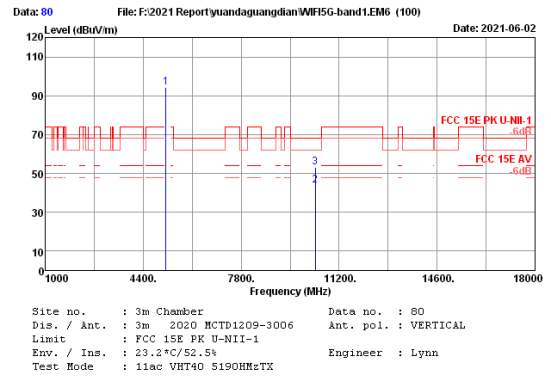
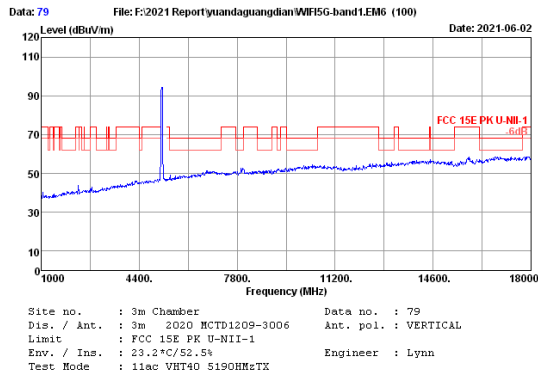
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: 2AZ3IMP250



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5190.00     | 33.02              | 1.44            | 94.89          | 34.50           | 94.85                   | -----           | -----       | Peak    |
| 2   | 10380.00    | 38.57              | 2.24            | 34.84          | 34.61           | 41.04                   | -----           | -----       | Average |
| 3   | 10380.00    | 38.57              | 2.24            | 47.88          | 34.61           | 54.08                   | 68.20           | 14.12       | Peak    |

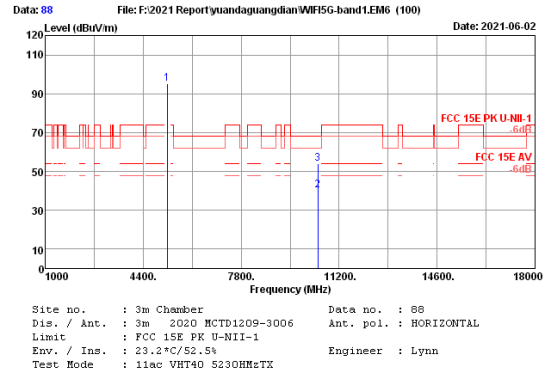
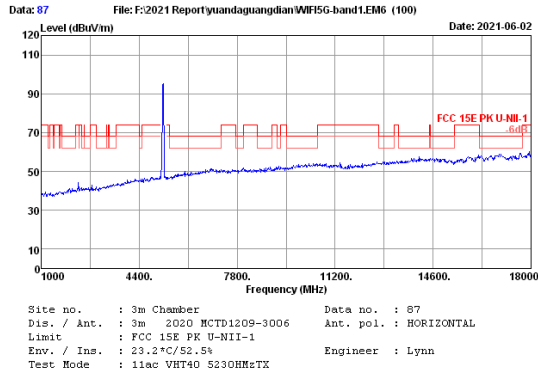
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5190.00     | 33.02              | 1.44            | 94.46          | 34.50           | 94.42                   | -----           | -----       | Peak    |
| 2   | 10380.00    | 38.57              | 2.24            | 37.59          | 34.61           | 43.79                   | -----           | -----       | Average |
| 3   | 10380.00    | 38.57              | 2.24            | 46.94          | 34.61           | 53.14                   | 68.20           | 15.06       | Peak    |

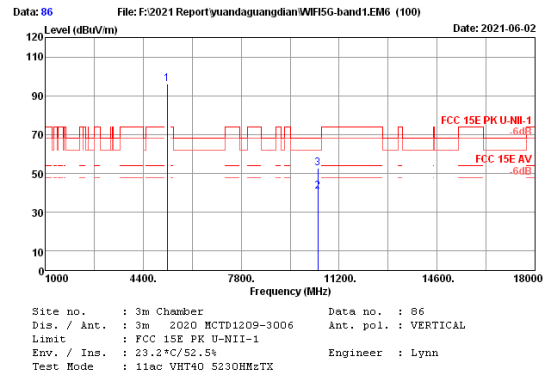
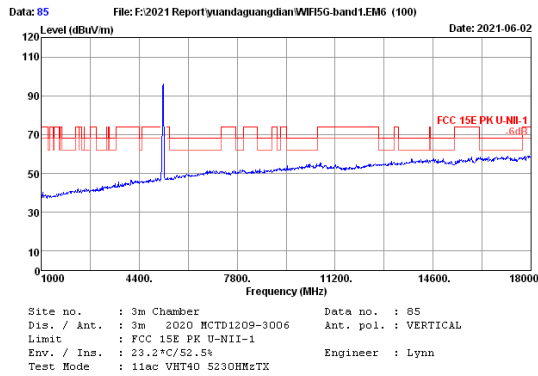
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: 2AZ3IMP250



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5230.00     | 33.08              | 1.45            | 95.09          | 34.50           | 95.12                   | -----           | -----       | Peak    |
| 2   | 10460.00    | 38.70              | 2.25            | 34.13          | 34.67           | 40.41                   | -----           | -----       | Average |
| 3   | 10460.00    | 38.70              | 2.25            | 47.64          | 34.67           | 53.92                   | 68.20           | 14.28       | Peak    |

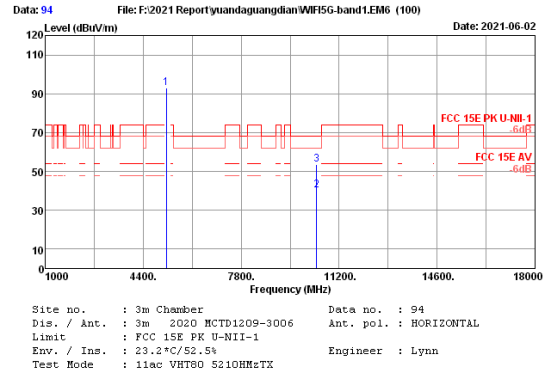
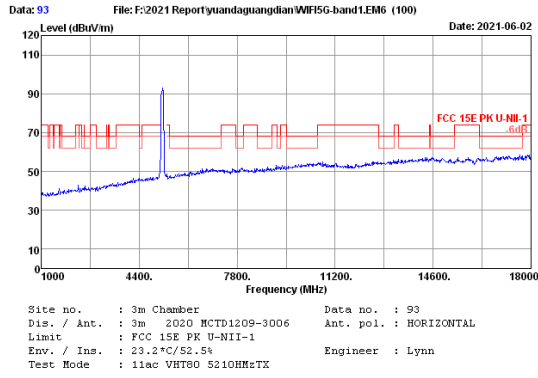
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5230.00     | 33.08              | 1.45            | 96.09          | 34.50           | 96.12                   | -----           | -----       | Peak    |
| 2   | 10460.00    | 38.70              | 2.25            | 34.36          | 34.67           | 40.64                   | -----           | -----       | Average |
| 3   | 10460.00    | 38.70              | 2.25            | 46.63          | 34.67           | 52.91                   | 68.20           | 15.29       | Peak    |

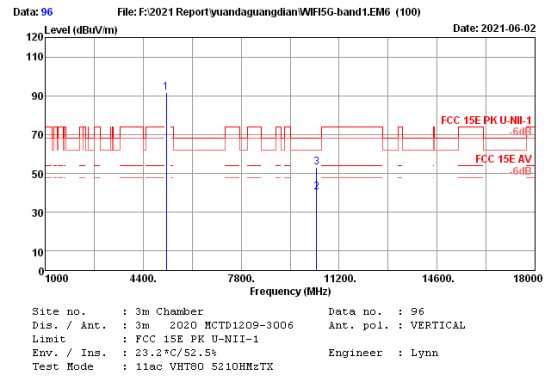
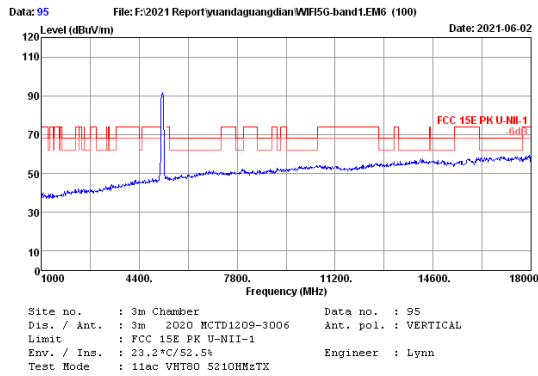
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: 2AZ3IMP250



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5210.00     | 33.06              | 1.44            | 92.95          | 34.50           | 92.95                   | -----           | -----       | Peak    |
| 2   | 10420.00    | 38.63              | 2.24            | 34.13          | 34.63           | 40.37                   | -----           | -----       | Average |
| 3   | 10420.00    | 38.63              | 2.24            | 47.19          | 34.63           | 53.43                   | 68.20           | 14.77       | Peak    |

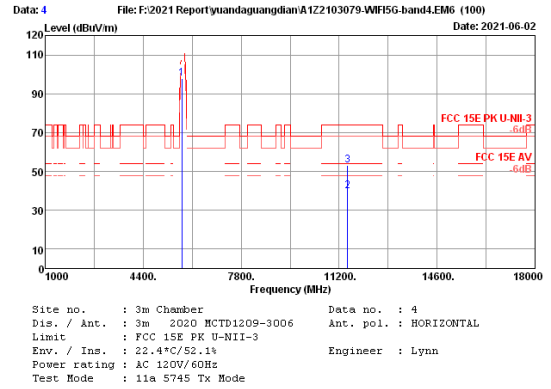
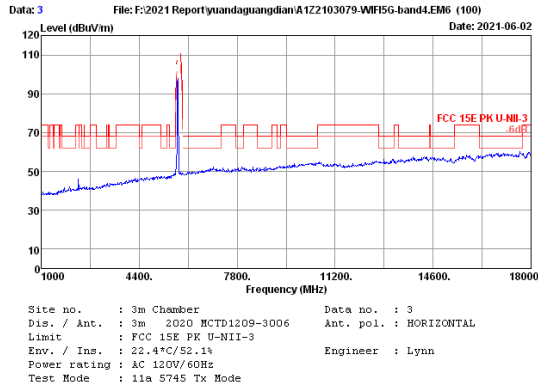
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5210.00     | 33.06              | 1.44            | 91.67          | 34.50           | 91.67                   | -----           | -----       | Peak    |
| 2   | 10420.00    | 38.63              | 2.24            | 34.04          | 34.63           | 40.28                   | -----           | -----       | Average |
| 3   | 10420.00    | 38.63              | 2.24            | 46.78          | 34.63           | 53.02                   | 68.20           | 15.18       | Peak    |

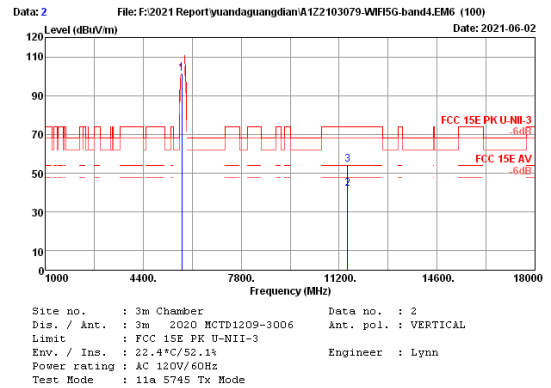
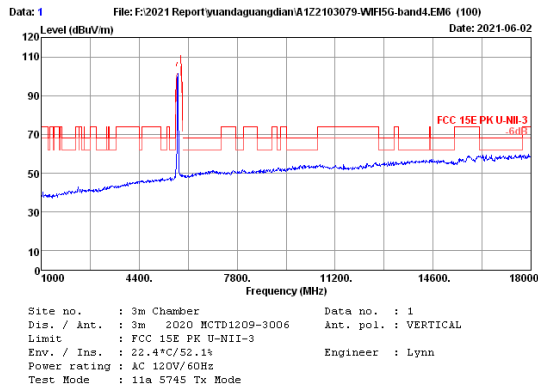
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

### U-NII-3 Band:



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5745.00     | 33.83              | 1.55            | 96.79          | 34.50           | 97.67                   | ---             | ---         | Peak    |
| 2   | 11490.00    | 38.42              | 2.45            | 34.17          | 35.10           | 39.94                   | 54.00           | 14.06       | Average |
| 3   | 11490.00    | 38.42              | 2.45            | 47.51          | 35.10           | 53.28                   | 74.00           | 20.72       | Peak    |

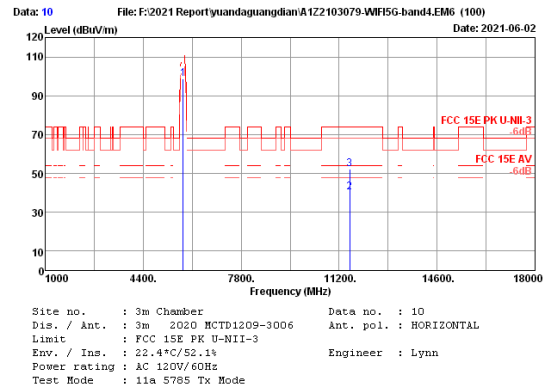
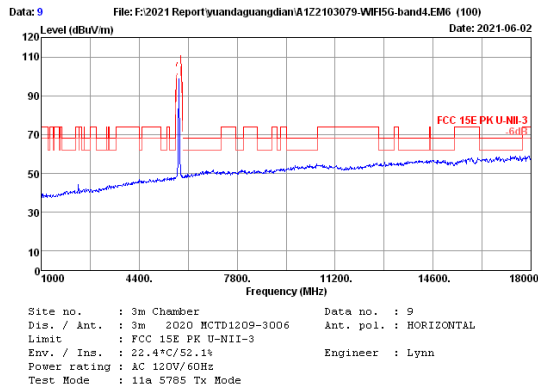
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5745.00     | 33.83              | 1.55            | 100.33         | 34.50           | 101.21                  | ---             | ---         | Peak    |
| 2   | 11490.00    | 38.42              | 2.45            | 36.48          | 35.10           | 42.25                   | 54.00           | 11.75       | Average |
| 3   | 11490.00    | 38.42              | 2.45            | 48.89          | 35.10           | 54.66                   | 74.00           | 19.34       | Peak    |

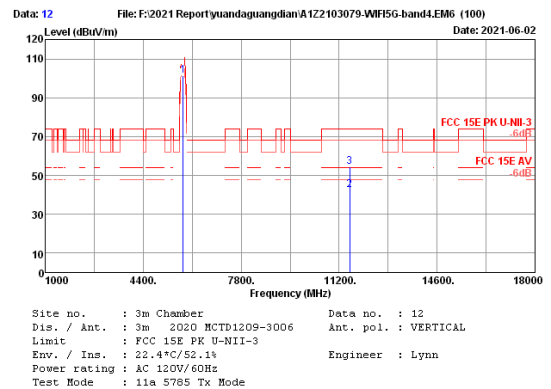
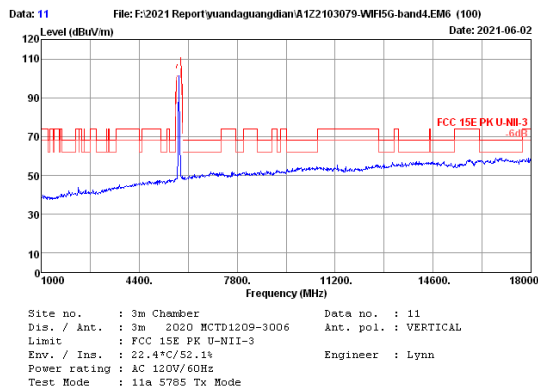
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

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| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5785.00     | 33.90              | 1.56            | 97.67          | 34.50           | 98.63                   | -----           | -----       | Peak    |
| 2   | 11570.00    | 38.36              | 2.47            | 34.40          | 35.10           | 40.13                   | 54.00           | 13.87       | Average |
| 3   | 11570.00    | 38.36              | 2.47            | 46.66          | 35.10           | 52.39                   | 74.00           | 21.61       | Peak    |

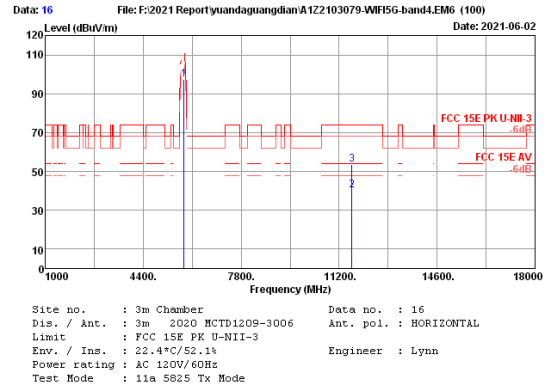
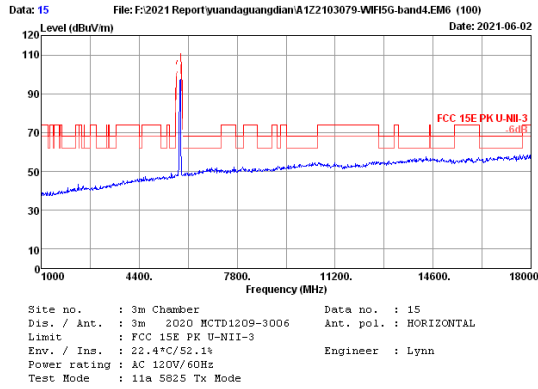
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading  
 -Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5785.00     | 33.90              | 1.56            | 100.52         | 34.50           | 101.48                  | -----           | -----       | Peak    |
| 2   | 11570.00    | 38.36              | 2.47            | 36.95          | 35.10           | 42.68                   | 54.00           | 11.32       | Average |
| 3   | 11570.00    | 38.36              | 2.47            | 48.95          | 35.10           | 54.68                   | 74.00           | 19.32       | Peak    |

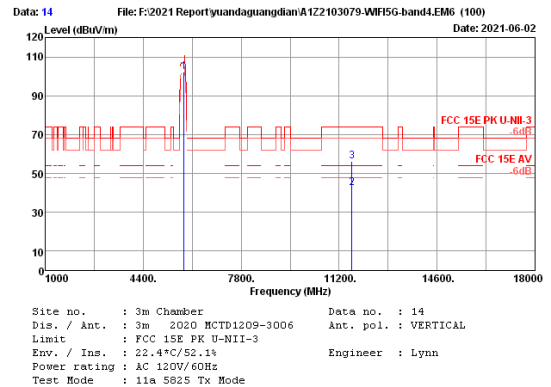
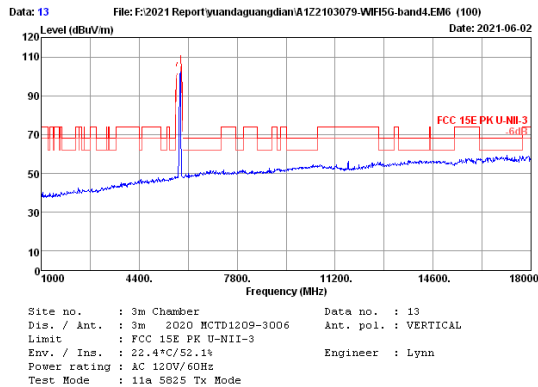
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading  
 -Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: 2AZ3IMP250



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5825.00     | 33.99              | 1.57            | 96.37          | 34.50           | 97.43                   | 54.00           | 13.81       | Peak    |
| 2   | 11650.00    | 38.32              | 2.50            | 34.47          | 35.10           | 40.19                   | 54.00           | 13.81       | Average |
| 3   | 11650.00    | 38.32              | 2.50            | 47.84          | 35.10           | 53.56                   | 74.00           | 20.44       | Peak    |

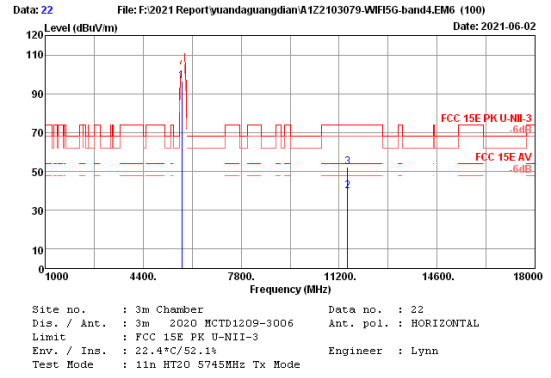
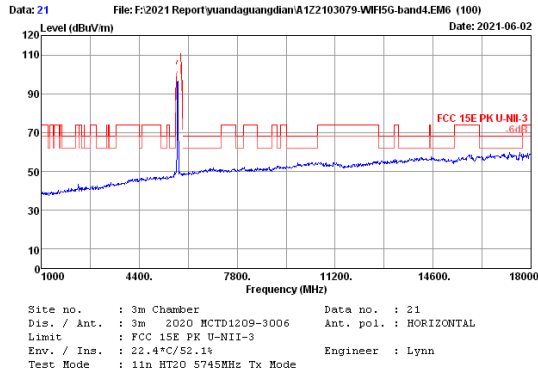
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading  
 -Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5825.00     | 33.99              | 1.57            | 101.34         | 34.50           | 102.40                  | 54.00           | 11.33       | Peak    |
| 2   | 11650.00    | 38.32              | 2.50            | 36.95          | 35.10           | 42.67                   | 54.00           | 11.33       | Average |
| 3   | 11650.00    | 38.32              | 2.50            | 50.50          | 35.10           | 56.22                   | 74.00           | 17.78       | Peak    |

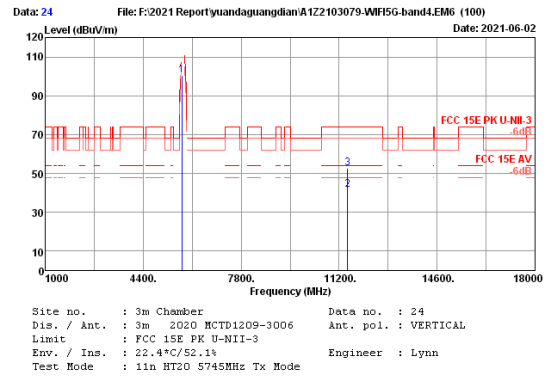
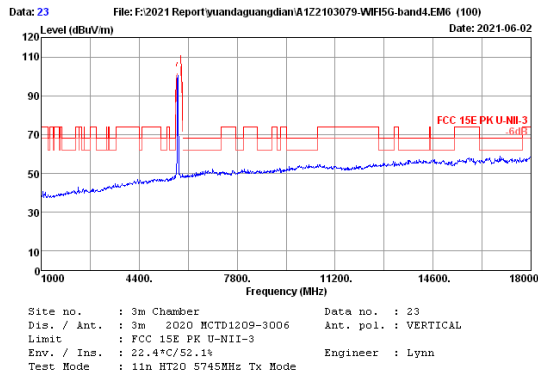
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading  
 -Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: 2AZ3IMP250



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5745.00     | 33.83              | 1.55            | 95.84          | 34.50           | 96.72                   | 74.00           | 22.72       | Peak    |
| 2   | 11490.00    | 38.42              | 2.45            | 34.05          | 35.10           | 39.82                   | 54.00           | 14.18       | Average |
| 3   | 11490.00    | 38.42              | 2.45            | 46.33          | 35.10           | 52.10                   | 74.00           | 21.90       | Peak    |

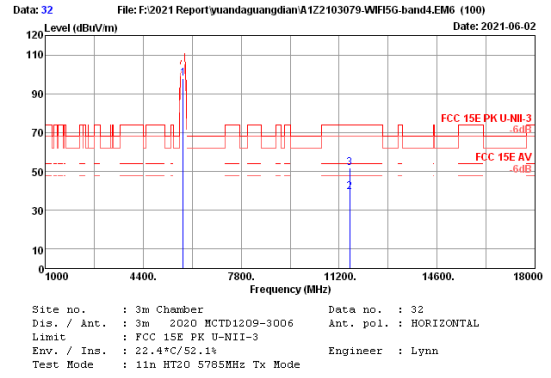
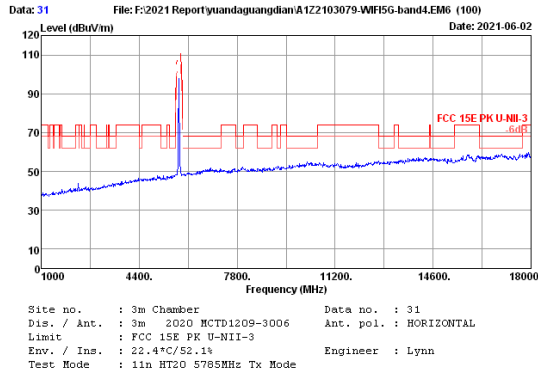
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5745.00     | 33.83              | 1.55            | 99.81          | 34.50           | 100.69                  | 74.00           | 26.69       | Peak    |
| 2   | 11490.00    | 38.42              | 2.45            | 35.94          | 35.10           | 41.71                   | 54.00           | 12.29       | Average |
| 3   | 11490.00    | 38.42              | 2.45            | 47.03          | 35.10           | 52.80                   | 74.00           | 21.20       | Peak    |

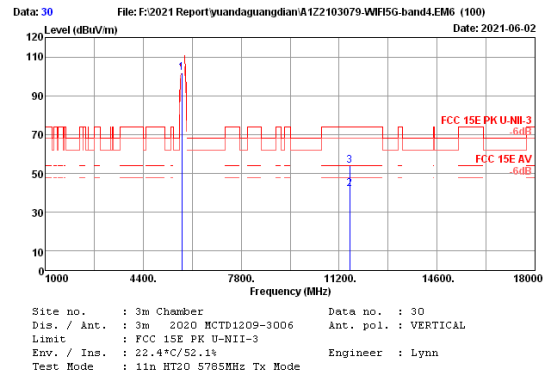
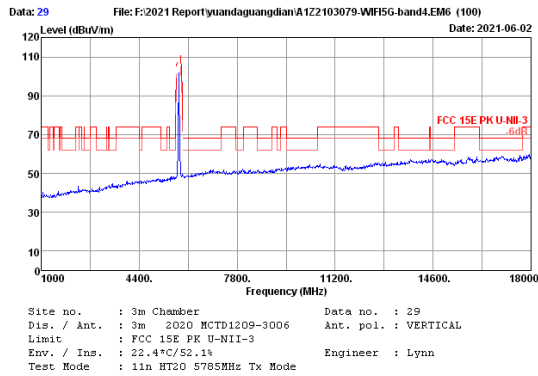
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

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| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5785.00     | 33.90              | 1.56            | 97.04          | 34.50           | 98.00                   | -----           | -----       | Peak    |
| 2   | 11570.00    | 38.36              | 2.47            | 33.90          | 35.10           | 39.63                   | 54.00           | 14.37       | Average |
| 3   | 11570.00    | 38.36              | 2.47            | 46.21          | 35.10           | 51.94                   | 74.00           | 22.06       | Peak    |

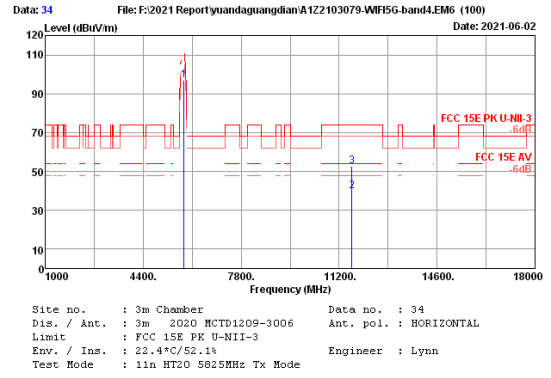
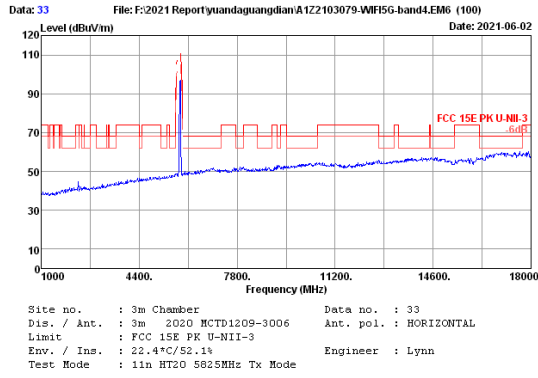
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5745.00     | 33.83              | 1.55            | 100.99         | 34.50           | 101.87                  | -----           | -----       | Peak    |
| 2   | 11570.00    | 38.36              | 2.47            | 36.28          | 35.10           | 42.01                   | 54.00           | 11.99       | Average |
| 3   | 11570.00    | 38.36              | 2.47            | 48.08          | 35.10           | 53.81                   | 74.00           | 20.19       | Peak    |

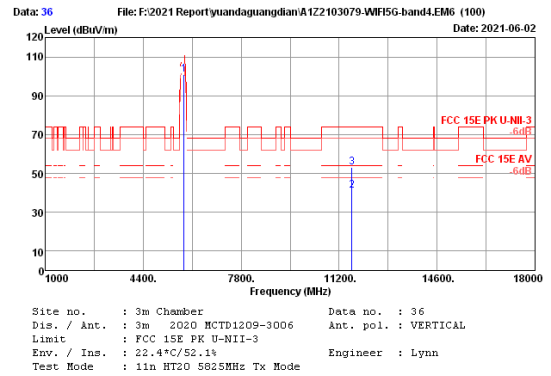
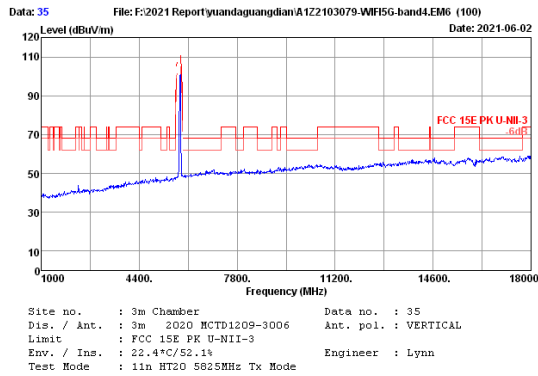
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: 2AZ3IMP250



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5825.00     | 33.99              | 1.57            | 95.84          | 34.50           | 96.90                   | -----           | -----       | Peak    |
| 2   | 11650.00    | 38.32              | 2.50            | 33.97          | 35.10           | 39.69                   | 54.00           | 14.31       | Average |
| 3   | 11650.00    | 38.32              | 2.50            | 46.81          | 35.10           | 52.53                   | 74.00           | 21.47       | Peak    |

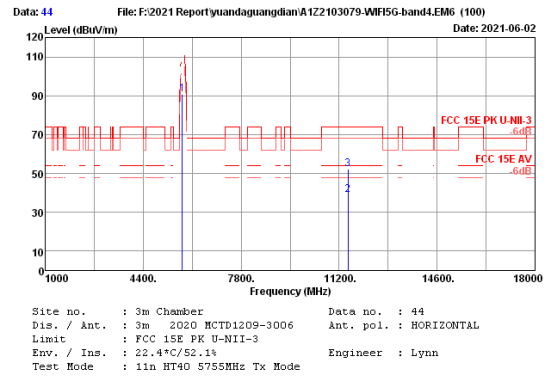
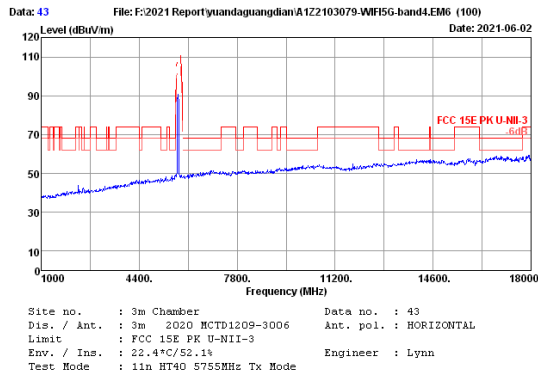
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5825.00     | 33.99              | 1.57            | 99.98          | 34.50           | 101.04                  | -----           | -----       | Peak    |
| 2   | 11650.00    | 38.32              | 2.50            | 35.52          | 35.10           | 41.24                   | 54.00           | 12.76       | Average |
| 3   | 11650.00    | 38.32              | 2.50            | 47.23          | 35.10           | 52.95                   | 74.00           | 21.05       | Peak    |

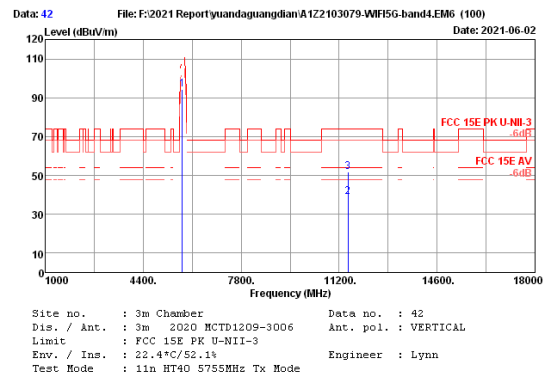
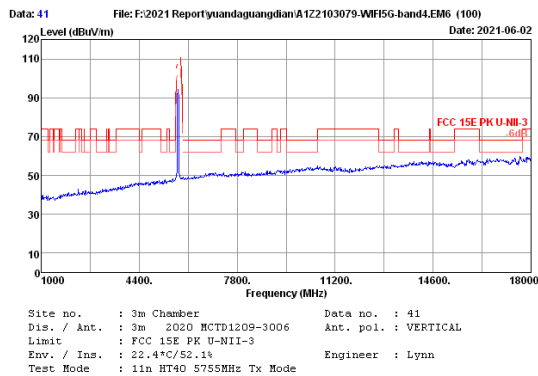
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: 2AZ3IMP250



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5755.00     | 33.87              | 1.55            | 89.65          | 34.50           | 90.57                   | 74.00           | 16.57       | Peak    |
| 2   | 11510.00    | 38.40              | 2.45            | 33.13          | 35.10           | 38.88                   | 54.00           | 15.12       | Average |
| 3   | 11510.00    | 38.40              | 2.45            | 46.69          | 35.10           | 52.44                   | 74.00           | 21.56       | Peak    |

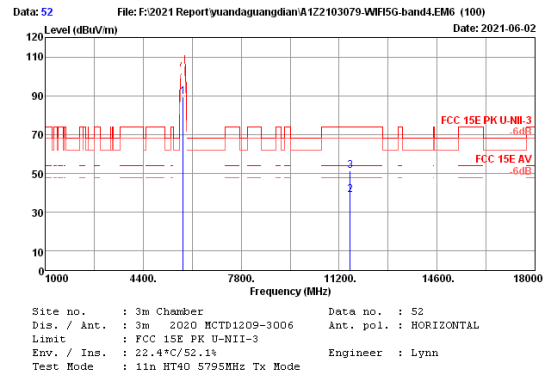
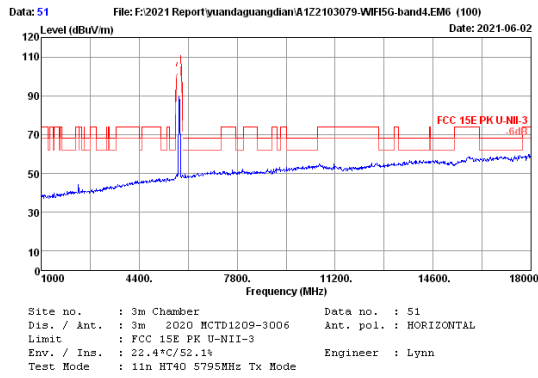
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5755.00     | 33.87              | 1.55            | 93.20          | 34.50           | 94.12                   | 74.00           | 20.12       | Peak    |
| 2   | 11510.00    | 38.40              | 2.45            | 33.41          | 35.10           | 39.16                   | 54.00           | 14.84       | Average |
| 3   | 11510.00    | 38.40              | 2.45            | 45.95          | 35.10           | 51.70                   | 74.00           | 22.30       | Peak    |

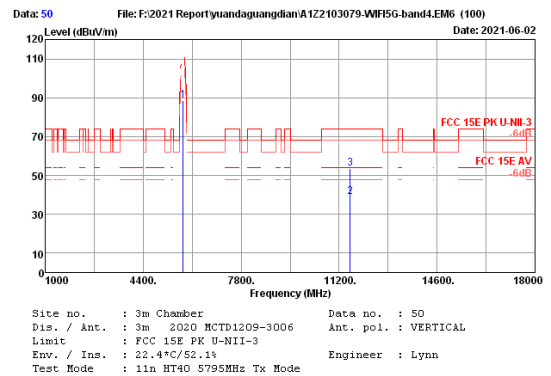
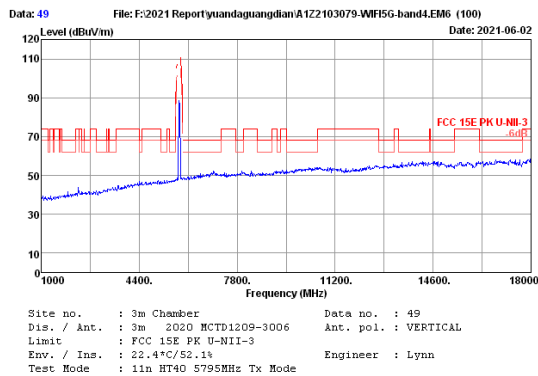
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: 2AZ3IMP250



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5795.00     | 33.93              | 1.56            | 88.59          | 34.50           | 89.58                   | 54.00           | 14.85       | Peak    |
| 2   | 11590.00    | 38.35              | 2.48            | 33.42          | 35.10           | 39.15                   | 74.00           | 22.50       | Average |
| 3   | 11590.00    | 38.35              | 2.48            | 45.77          | 35.10           | 51.50                   | 74.00           | 22.50       | Peak    |

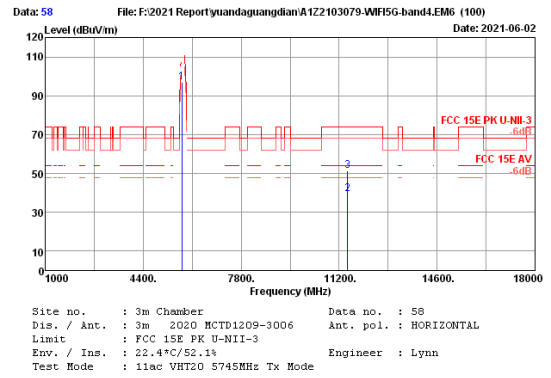
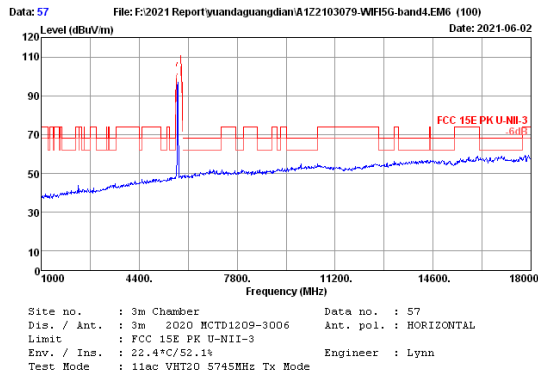
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5795.00     | 33.93              | 1.56            | 87.74          | 34.50           | 88.73                   | 54.00           | 14.86       | Peak    |
| 2   | 11590.00    | 38.35              | 2.48            | 33.41          | 35.10           | 39.14                   | 74.00           | 20.25       | Average |
| 3   | 11590.00    | 38.35              | 2.48            | 48.02          | 35.10           | 53.75                   | 74.00           | 20.25       | Peak    |

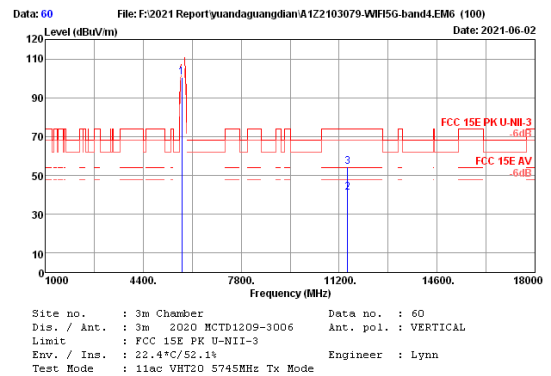
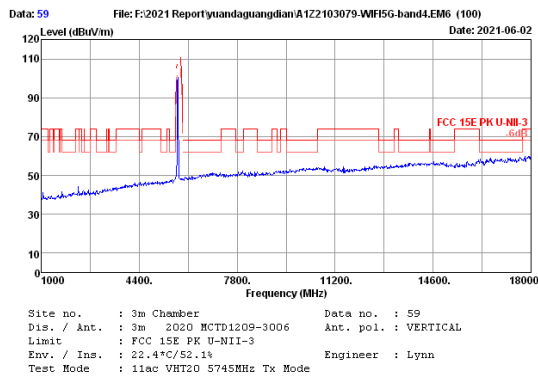
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: 2AZ3IMP250



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5745.00     | 33.83              | 1.55            | 95.94          | 34.50           | 96.82                   | 74.00           | 22.82       | Peak    |
| 2   | 11490.00    | 38.42              | 2.45            | 33.80          | 35.10           | 39.57                   | 54.00           | 14.43       | Average |
| 3   | 11490.00    | 38.42              | 2.45            | 45.79          | 35.10           | 51.56                   | 74.00           | 22.44       | Peak    |

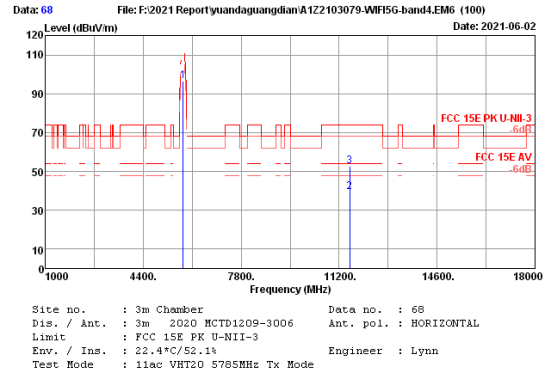
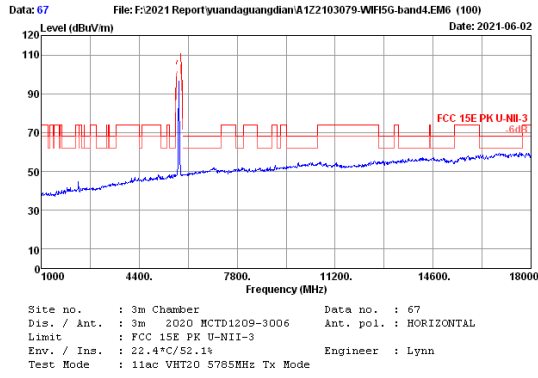
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5745.00     | 33.83              | 1.55            | 99.67          | 34.50           | 100.55                  | 74.00           | 26.55       | Peak    |
| 2   | 11490.00    | 38.42              | 2.45            | 35.59          | 35.10           | 41.36                   | 54.00           | 12.64       | Average |
| 3   | 11490.00    | 38.42              | 2.45            | 48.67          | 35.10           | 54.44                   | 74.00           | 19.56       | Peak    |

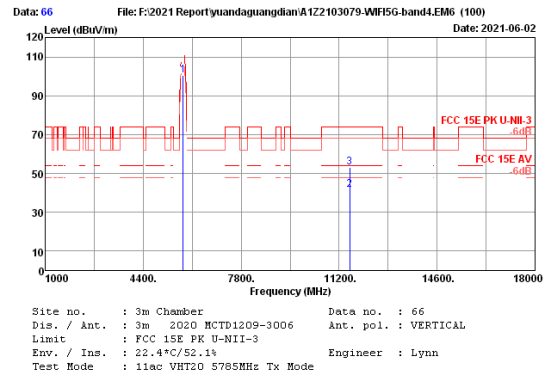
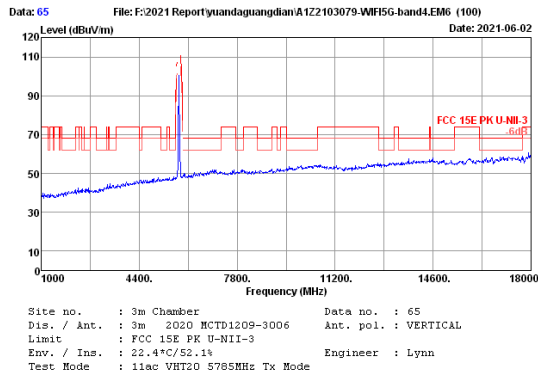
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: 2AZ3IMP250



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5785.00     | 33.90              | 1.56            | 95.61          | 34.50           | 96.57                   | -----           | -----       | Peak    |
| 2   | 11570.00    | 38.36              | 2.47            | 33.80          | 35.10           | 39.53                   | 54.00           | 14.47       | Average |
| 3   | 11570.00    | 38.36              | 2.47            | 46.93          | 35.10           | 52.66                   | 74.00           | 21.34       | Peak    |

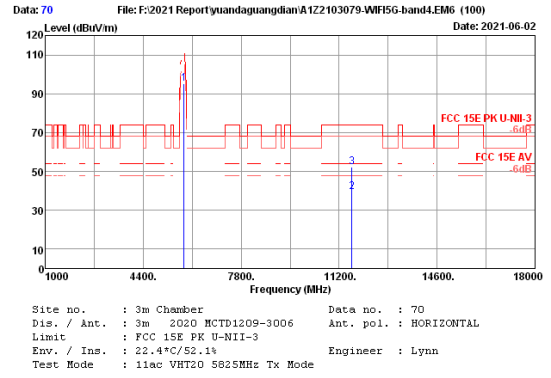
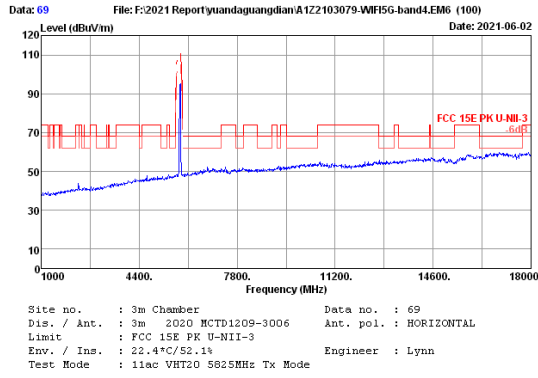
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5785.00     | 33.90              | 1.56            | 99.38          | 34.50           | 100.34                  | -----           | -----       | Peak    |
| 2   | 11570.00    | 38.36              | 2.47            | 35.75          | 35.10           | 41.48                   | 54.00           | 12.52       | Average |
| 3   | 11570.00    | 38.36              | 2.47            | 47.21          | 35.10           | 52.94                   | 74.00           | 21.06       | Peak    |

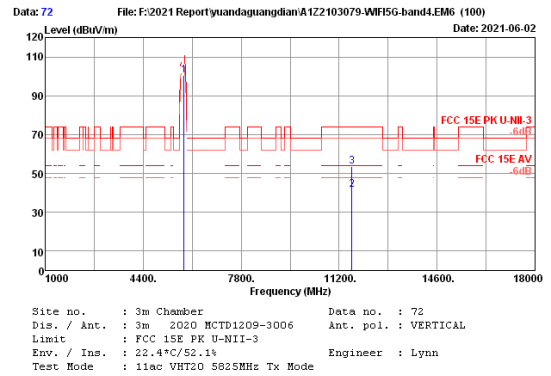
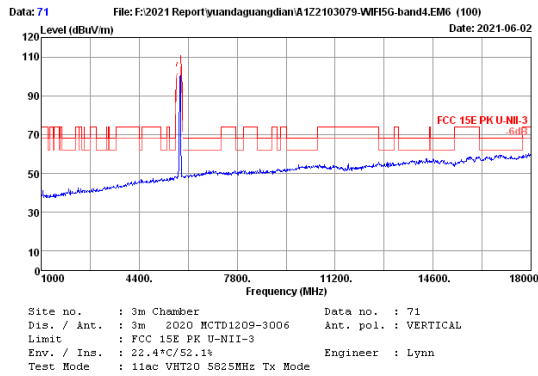
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: 2AZ3IMP250



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5825.00     | 33.99              | 1.57            | 94.33          | 34.50           | 95.39                   | 74.00           | 21.39       | Peak    |
| 2   | 11650.00    | 38.32              | 2.50            | 33.84          | 35.10           | 39.56                   | 54.00           | 14.44       | Average |
| 3   | 11650.00    | 38.32              | 2.50            | 46.50          | 35.10           | 52.22                   | 74.00           | 21.78       | Peak    |

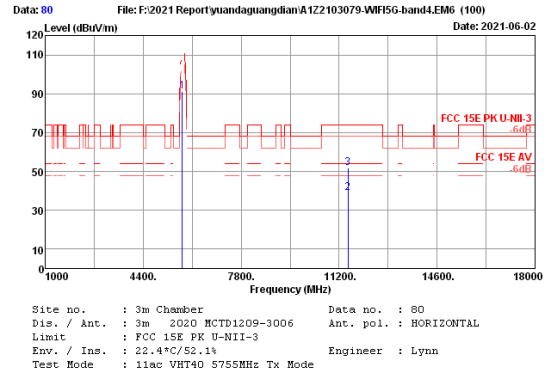
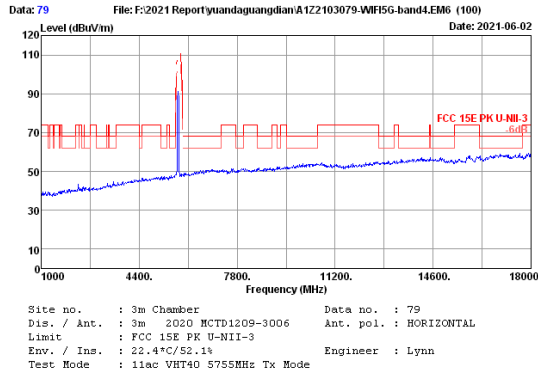
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5825.00     | 33.99              | 1.57            | 99.67          | 34.50           | 100.73                  | 74.00           | 26.73       | Peak    |
| 2   | 11650.00    | 38.32              | 2.50            | 36.04          | 35.10           | 41.76                   | 54.00           | 12.24       | Average |
| 3   | 11650.00    | 38.32              | 2.50            | 48.01          | 35.10           | 53.73                   | 74.00           | 20.27       | Peak    |

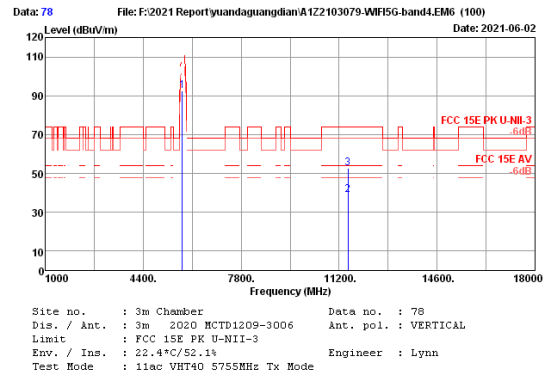
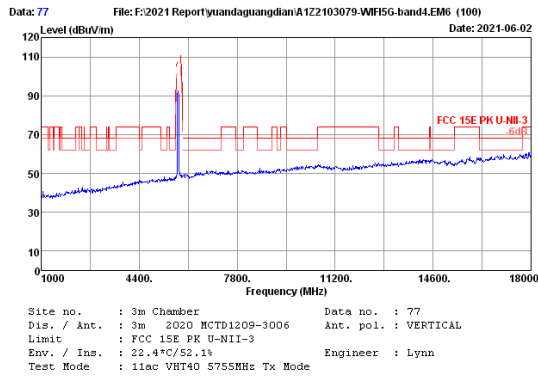
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: 2AZ3IMP250



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5755.00     | 33.87              | 1.55            | 90.22          | 34.50           | 91.14                   | 74.00           | 17.14       | Peak    |
| 2   | 11510.00    | 38.40              | 2.45            | 33.17          | 35.10           | 38.92                   | 54.00           | 15.08       | Average |
| 3   | 11510.00    | 38.40              | 2.45            | 46.08          | 35.10           | 51.83                   | 74.00           | 22.17       | Peak    |

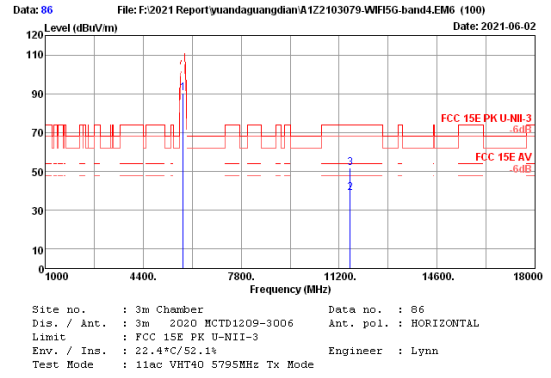
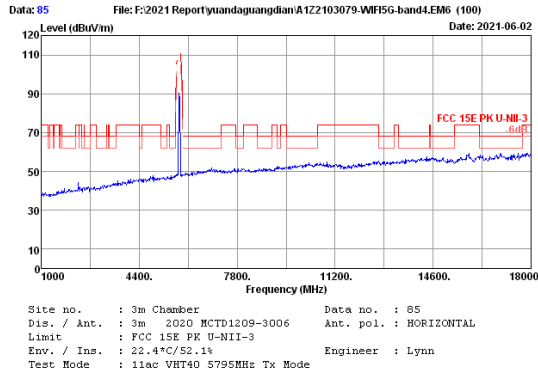
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5755.00     | 33.87              | 1.55            | 91.71          | 34.50           | 92.63                   | 74.00           | 18.63       | Peak    |
| 2   | 11510.00    | 38.40              | 2.45            | 33.31          | 35.10           | 39.06                   | 54.00           | 14.94       | Average |
| 3   | 11510.00    | 38.40              | 2.45            | 46.73          | 35.10           | 52.48                   | 74.00           | 21.52       | Peak    |

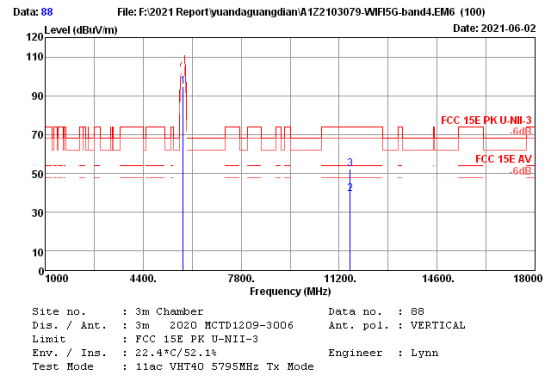
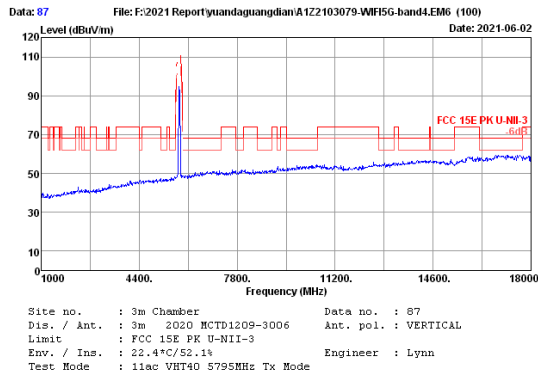
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: 2AZ3IMP250



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5795.00     | 33.93              | 1.56            | 89.47          | 34.50           | 90.46                   | -----           | -----       | Peak    |
| 2   | 11590.00    | 38.35              | 2.48            | 33.44          | 35.10           | 39.17                   | 54.00           | 14.83       | Average |
| 3   | 11590.00    | 38.35              | 2.48            | 45.98          | 35.10           | 51.71                   | 74.00           | 22.29       | Peak    |

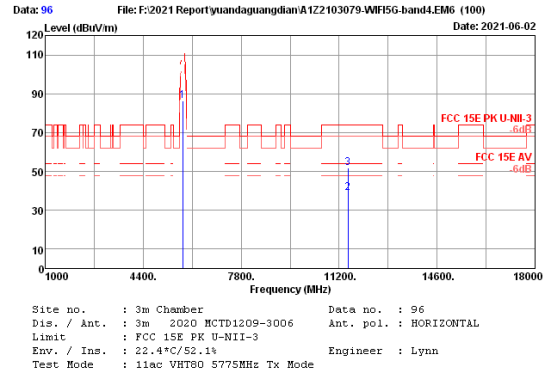
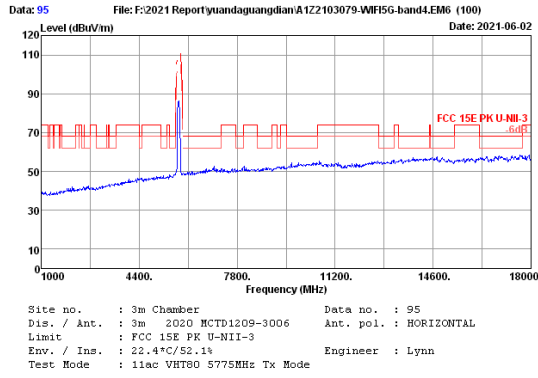
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5795.00     | 33.93              | 1.56            | 93.79          | 34.50           | 94.78                   | -----           | -----       | Peak    |
| 2   | 11590.00    | 38.35              | 2.48            | 33.61          | 35.10           | 39.34                   | 54.00           | 14.66       | Average |
| 3   | 11590.00    | 38.35              | 2.48            | 46.51          | 35.10           | 52.24                   | 74.00           | 21.76       | Peak    |

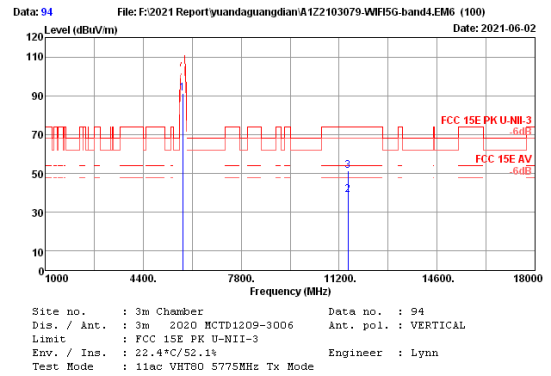
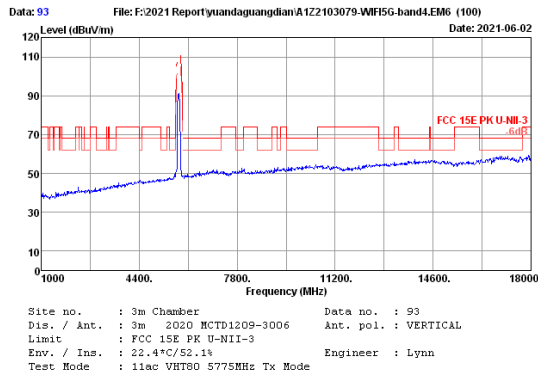
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: 2AZ3IMP250



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5775.00     | 33.90              | 1.55            | 85.20          | 34.50           | 86.15                   | -----           | -----       | Peak    |
| 2   | 11510.00    | 38.40              | 2.45            | 33.21          | 35.10           | 38.96                   | 54.00           | 15.04       | Average |
| 3   | 11510.00    | 38.40              | 2.45            | 46.20          | 35.10           | 51.95                   | 74.00           | 22.05       | Peak    |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5775.00     | 33.90              | 1.55            | 90.26          | 34.50           | 91.21                   | -----           | -----       | Peak    |
| 2   | 11510.00    | 38.40              | 2.45            | 33.15          | 35.10           | 38.90                   | 54.00           | 15.10       | Average |
| 3   | 11510.00    | 38.40              | 2.45            | 45.62          | 35.10           | 51.37                   | 74.00           | 22.63       | Peak    |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

## 5. BAND EDGE COMPLIANCE TEST

### 5.1. Test Equipment

| Item | Equipment           | Manufacturer | Model No.    | Serial No.  | Last Cal. | Cal. Interval |
|------|---------------------|--------------|--------------|-------------|-----------|---------------|
| 1.   | PXA Signal Analyzer | Agilent      | N9030A       | MY51380221  | Apr.07,21 | 1 Year        |
| 2.   | Amplifier           | Agilent      | 8449B        | 3008A02495  | Apr.07,21 | 1 Year        |
| 3.   | Horn Antenna        | ETC          | MCTD 1209    | DRH15F03006 | Jul.30,20 | 1 Year        |
| 4.   | RF Cable            | Hubersuhner  | SUCOFLEX-106 | 505238/6    | Apr.07,21 | 1 Year        |

### 5.2. Limit

For transmitters operating in the band 5150-5250 MHz, all emissions outside the band 5150-5250 MHz shall not exceed -27dBm/MHz e.i.r.p.

For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of -27dBm/MHz at 75MHz or more above or below the band edge increasing linearly to 10dBm/MHz at 25MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6dBm/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..

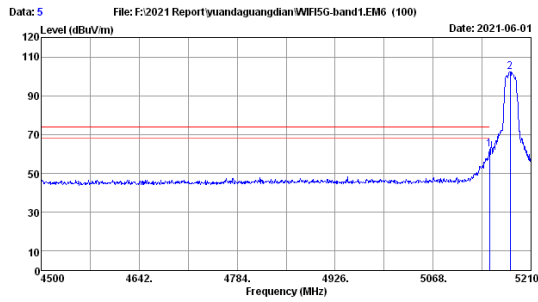
### 5.3. Test Procedure

1. The EUT is placed on a turntable, which is 1.5m above the ground plane and worked at highest radiated power.
2. The turntable was rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
4. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:
  - (a) PEAK: RBW=1MHz; VBW=3MHz; Sweep=AUTO
  - (b) AVERAGE: RBW=1MHz; VBW=10Hz; Sweep=AUTO
5. Per KDB789033 clause H 2)d).if the test distance is 3m,the EIRP(dBm)=E(dBuv/m)-95.2  
Get the final compare with limit.

### 5.4. Test Results

Pass (The testing data was attached in the next pages.)

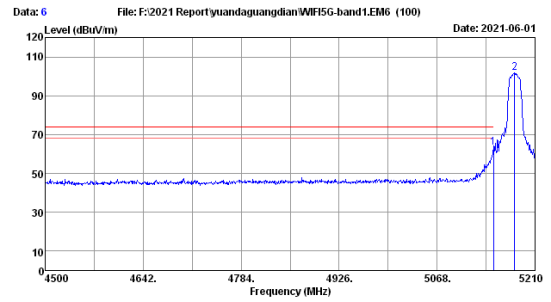
### U-NII-1 Band:



Site no. : 3m Chamber Data no. : 5  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : HORIZONTAL  
 Limit : FCC 15E PK U-NII-1  
 Env. / Ins. : 23.2°C/52.5% Engineer : Lynn  
 Test Mode : 11a 5180MHzTX

| No. | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Reading<br>factor<br>(dBuV) | Amp<br>factor<br>(dB) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|----------------|--------------------------|-----------------------|-----------------------------|-----------------------|-------------------------------|--------------------|----------------|--------|
| 1   | 5150.00        | 32.98                    | 1.43                  | 62.35                       | 34.50                 | 62.26                         | 74.00              | 11.74          | Peak   |
| 2   | 5179.47        | 33.02                    | 1.43                  | 102.56                      | 34.50                 | 102.51                        | -----              | -----          | Peak   |

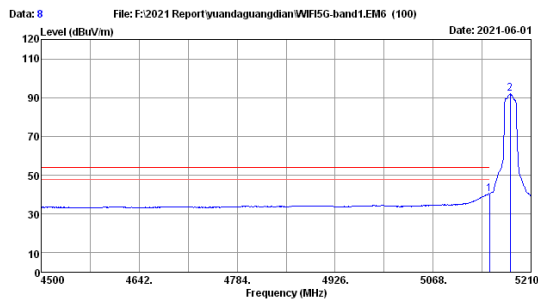
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading  
 -Amp factor.  
 2. The emission levels that are 20dB below the official  
 limit are not reported.



Site no. : 3m Chamber Data no. : 6  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : VERTICAL  
 Limit : FCC 15E PK U-NII-1  
 Env. / Ins. : 23.2°C/52.5% Engineer : Lynn  
 Test Mode : 11a 5180MHzTX

| No. | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Reading<br>factor<br>(dBuV) | Amp<br>factor<br>(dB) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark |
|-----|----------------|--------------------------|-----------------------|-----------------------------|-----------------------|-------------------------------|--------------------|----------------|--------|
| 1   | 5150.00        | 32.98                    | 1.43                  | 63.34                       | 34.50                 | 63.25                         | 74.00              | 10.75          | Peak   |
| 2   | 5180.18        | 33.02                    | 1.43                  | 102.02                      | 34.50                 | 101.97                        | -----              | -----          | Peak   |

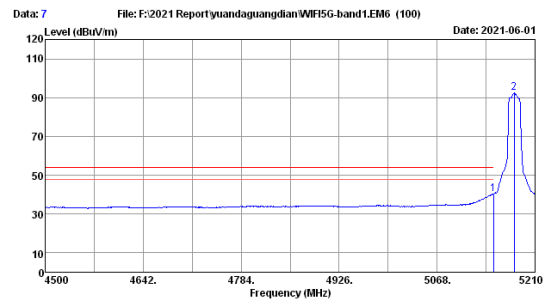
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading  
 -Amp factor.  
 2. The emission levels that are 20dB below the official  
 limit are not reported.



Site no. : 3m Chamber Data no. : 8  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : HORIZONTAL  
 Limit : FCC 15E AV  
 Env. / Ins. : 23.2°C/52.5% Engineer : Lynn  
 Test Mode : 11a 5180MHzTX

| No. | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Reading<br>factor<br>(dBuV) | Amp<br>factor<br>(dB) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark  |
|-----|----------------|--------------------------|-----------------------|-----------------------------|-----------------------|-------------------------------|--------------------|----------------|---------|
| 1   | 5150.00        | 32.98                    | 1.43                  | 40.54                       | 34.50                 | 40.45                         | 54.00              | 13.55          | Average |
| 2   | 5179.47        | 33.02                    | 1.43                  | 92.07                       | 34.50                 | 92.02                         | -----              | -----          | Average |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading  
 -Amp factor.  
 2. The emission levels that are 20dB below the official  
 limit are not reported.

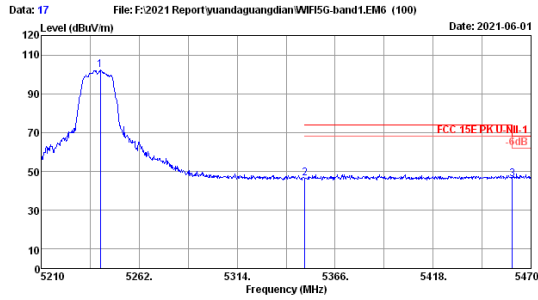


Site no. : 3m Chamber Data no. : 7  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : VERTICAL  
 Limit : FCC 15E AV  
 Env. / Ins. : 23.2°C/52.5% Engineer : Lynn  
 Test Mode : 11a 5180MHzTX

| No. | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Reading<br>factor<br>(dBuV) | Amp<br>factor<br>(dB) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark  |
|-----|----------------|--------------------------|-----------------------|-----------------------------|-----------------------|-------------------------------|--------------------|----------------|---------|
| 1   | 5150.00        | 32.98                    | 1.43                  | 40.34                       | 34.50                 | 40.25                         | 54.00              | 13.75          | Average |
| 2   | 5179.47        | 33.02                    | 1.43                  | 92.41                       | 34.50                 | 92.36                         | -----              | -----          | Average |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading  
 -Amp factor.  
 2. The emission levels that are 20dB below the official  
 limit are not reported.

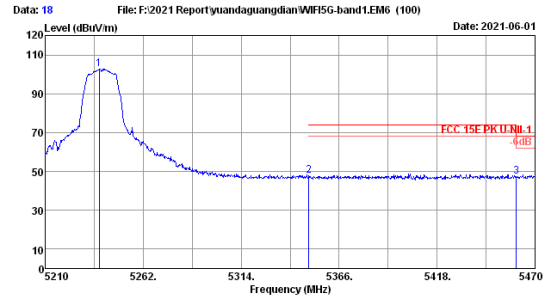
FCC ID: 2AZ3IMP250



Site no. : 3m Chamber Data no. : 17  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : HORIZONTAL  
 Limit : FCC 15E PK U-NII-1  
 Env. / Ins. : 23.2°C/52.5% Engineer : Lynn  
 Test Mode : 11a S240MHzTX

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1   | 5241.46     | 33.08              | 1.45            | 102.13         | 34.50           | 102.16                  | -----           | -----       | Peak   |
| 2   | 5350.00     | 33.22              | 1.47            | 46.31          | 34.50           | 46.50                   | 74.00           | 27.50       | Peak   |
| 3   | 5460.00     | 33.34              | 1.49            | 45.77          | 34.50           | 46.10                   | 68.20           | 22.10       | Peak   |

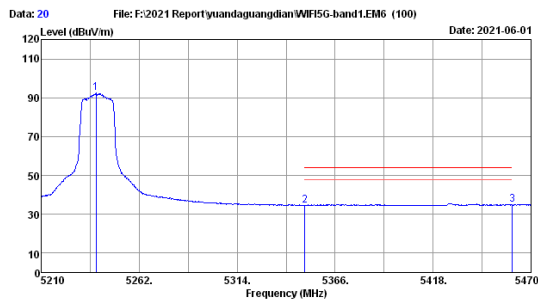
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 18  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : VERTICAL  
 Limit : FCC 15E PK U-NII-1  
 Env. / Ins. : 23.2°C/52.5% Engineer : Lynn  
 Test Mode : 11a S240MHzTX

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1   | 5238.60     | 33.08              | 1.45            | 102.73         | 34.50           | 102.76                  | -----           | -----       | Peak   |
| 2   | 5350.00     | 33.22              | 1.47            | 47.58          | 34.50           | 47.77                   | 74.00           | 26.23       | Peak   |
| 3   | 5460.00     | 33.34              | 1.49            | 47.18          | 34.50           | 47.51                   | 68.20           | 20.69       | Peak   |

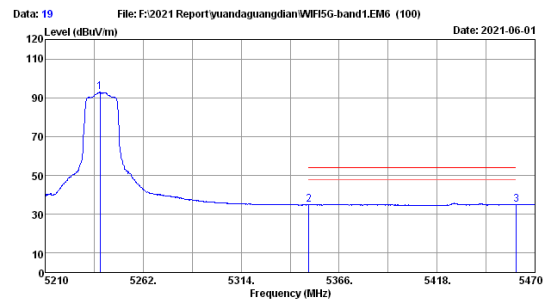
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 20  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : HORIZONTAL  
 Limit : FCC 15E AV  
 Env. / Ins. : 23.2°C/52.5% Engineer : Lynn  
 Test Mode : 11a S240MHzTX

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5239.12     | 33.08              | 1.45            | 92.37          | 34.50           | 92.40                   | -----           | -----       | Average |
| 2   | 5350.00     | 33.22              | 1.47            | 34.54          | 34.50           | 34.73                   | 54.00           | 19.27       | Average |
| 3   | 5460.00     | 33.34              | 1.49            | 34.61          | 34.50           | 34.94                   | 54.00           | 19.06       | Average |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

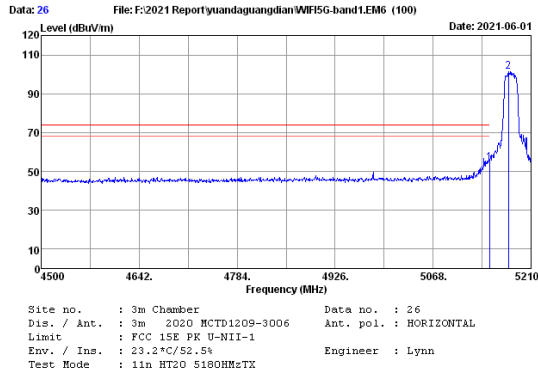


Site no. : 3m Chamber Data no. : 19  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : VERTICAL  
 Limit : FCC 15E AV  
 Env. / Ins. : 23.2°C/52.5% Engineer : Lynn  
 Test Mode : 11a S240MHzTX

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5239.12     | 33.08              | 1.45            | 93.01          | 34.50           | 93.04                   | -----           | -----       | Average |
| 2   | 5350.00     | 33.22              | 1.47            | 34.74          | 34.50           | 34.93                   | 54.00           | 19.07       | Average |
| 3   | 5460.00     | 33.34              | 1.49            | 34.54          | 34.50           | 34.87                   | 54.00           | 19.13       | Average |

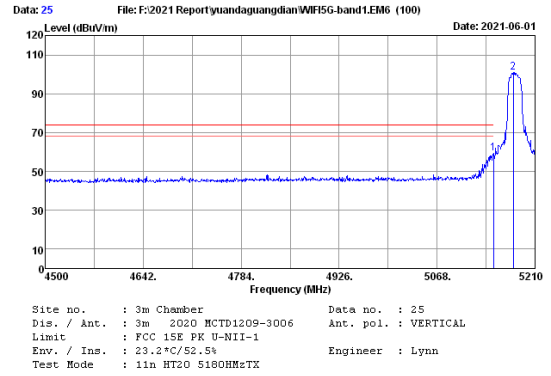
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: 2AZ3IMP250



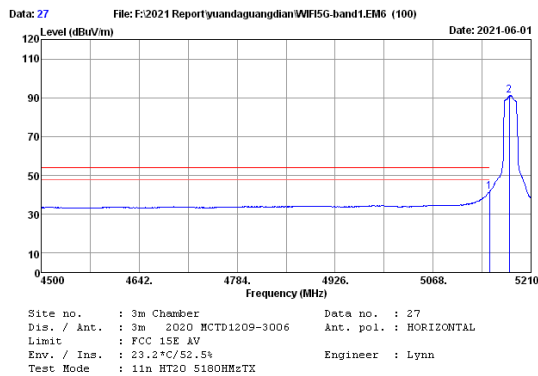
| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1   | 5150.00     | 32.98              | 1.43            | 54.52          | 34.50           | 54.43                   | 74.00           | 19.57       | Peak   |
| 2   | 5177.34     | 33.02              | 1.43            | 101.28         | 34.50           | 101.23                  | -----           | -----       | Peak   |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading  
 -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



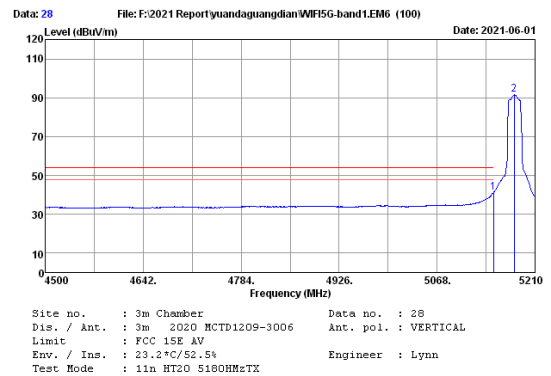
| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1   | 5150.00     | 32.98              | 1.43            | 59.43          | 34.50           | 59.34                   | 74.00           | 14.66       | Peak   |
| 2   | 5178.76     | 33.02              | 1.43            | 101.00         | 34.50           | 100.95                  | -----           | -----       | Peak   |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading  
 -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5150.00     | 32.98              | 1.43            | 41.54          | 34.50           | 41.45                   | 54.00           | 12.55       | Average |
| 2   | 5178.76     | 33.02              | 1.43            | 91.25          | 34.50           | 91.20                   | -----           | -----       | Average |

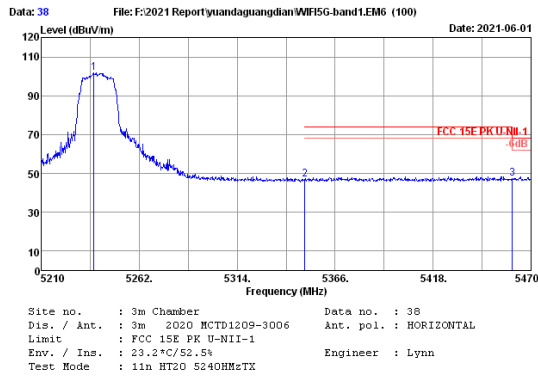
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading  
 -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5150.00     | 32.98              | 1.43            | 41.20          | 34.50           | 41.11                   | 54.00           | 12.89       | Average |
| 2   | 5179.47     | 33.02              | 1.43            | 91.58          | 34.50           | 91.53                   | -----           | -----       | Average |

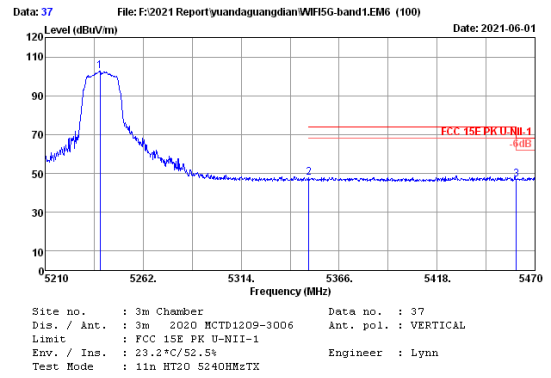
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading  
 -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: 2AZ3IMP250



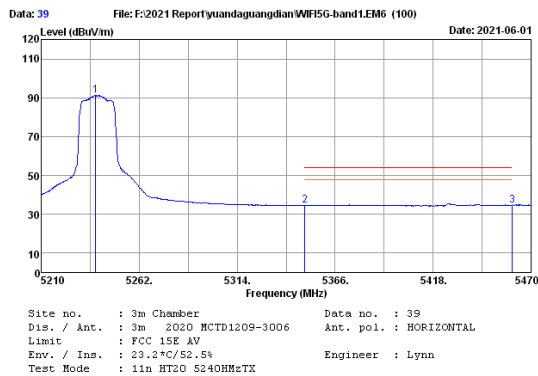
| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1   | 5238.08     | 33.08              | 1.45            | 101.73         | 34.50           | 101.76                  | 74.00           | 27.12       | Peak   |
| 2   | 5350.00     | 33.22              | 1.47            | 46.69          | 34.50           | 46.88                   | 74.00           | 27.12       | Peak   |
| 3   | 5460.00     | 33.34              | 1.49            | 47.26          | 34.50           | 47.59                   | 68.20           | 20.61       | Peak   |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



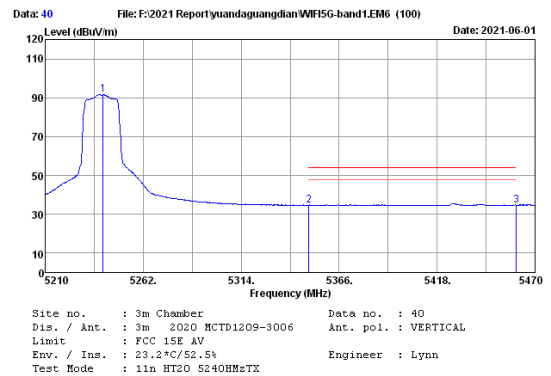
| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1   | 5239.12     | 33.08              | 1.45            | 102.64         | 34.50           | 102.67                  | 74.00           | 26.08       | Peak   |
| 2   | 5350.00     | 33.22              | 1.47            | 47.73          | 34.50           | 47.92                   | 74.00           | 26.08       | Peak   |
| 3   | 5460.00     | 33.34              | 1.49            | 46.40          | 34.50           | 46.73                   | 68.20           | 21.47       | Peak   |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5238.86     | 33.08              | 1.45            | 91.27          | 34.50           | 91.30                   | 54.00           | 19.51       | Average |
| 2   | 5350.00     | 33.22              | 1.47            | 34.30          | 34.50           | 34.49                   | 54.00           | 19.30       | Average |
| 3   | 5460.00     | 33.34              | 1.49            | 34.37          | 34.50           | 34.70                   | 54.00           | 19.30       | Average |

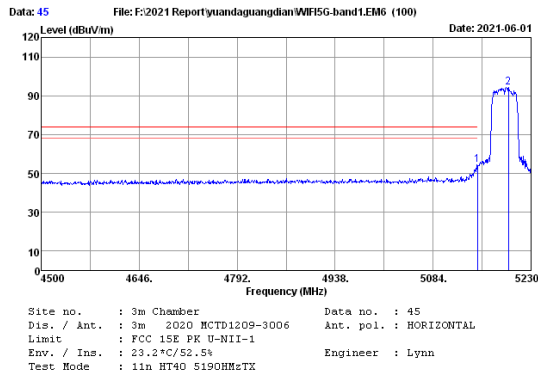
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5240.68     | 33.08              | 1.45            | 91.70          | 34.50           | 91.73                   | 54.00           | 19.40       | Average |
| 2   | 5350.00     | 33.22              | 1.47            | 34.41          | 34.50           | 34.60                   | 54.00           | 19.40       | Average |
| 3   | 5460.00     | 33.34              | 1.49            | 34.35          | 34.50           | 34.68                   | 54.00           | 19.32       | Average |

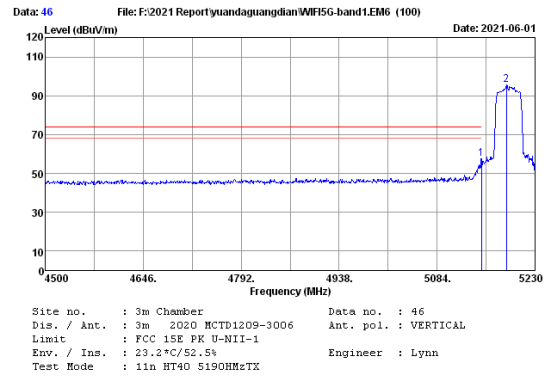
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: 2AZ3IMP250



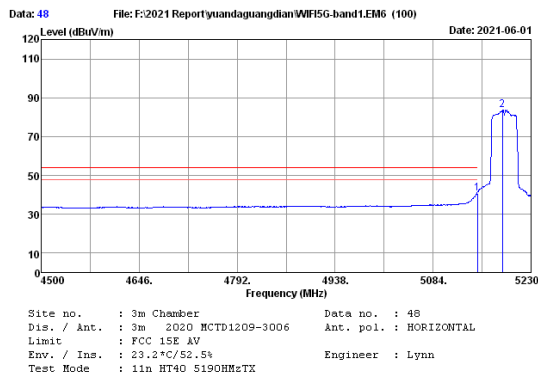
| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1   | 5150.00     | 32.98              | 1.43            | 54.70          | 34.50           | 54.61                   | 74.00           | 19.39       | Peak   |
| 2   | 5196.42     | 33.04              | 1.44            | 94.34          | 34.50           | 94.32                   | -----           | -----       | Peak   |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading  
 -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



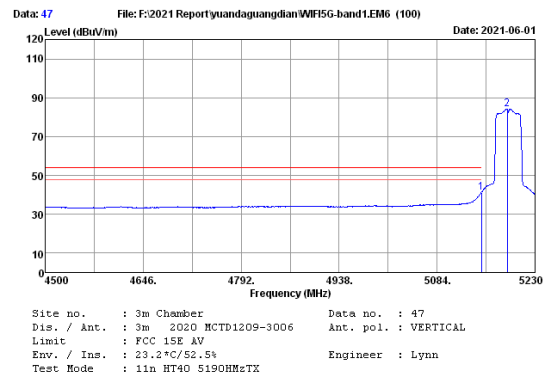
| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1   | 5150.00     | 32.98              | 1.43            | 57.72          | 34.50           | 57.63                   | 74.00           | 16.37       | Peak   |
| 2   | 5187.66     | 33.02              | 1.43            | 95.54          | 34.50           | 95.49                   | -----           | -----       | Peak   |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading  
 -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5150.00     | 32.98              | 1.43            | 40.79          | 34.50           | 40.70                   | 54.00           | 13.30       | Average |
| 2   | 5187.66     | 33.02              | 1.43            | 83.95          | 34.50           | 83.90                   | -----           | -----       | Average |

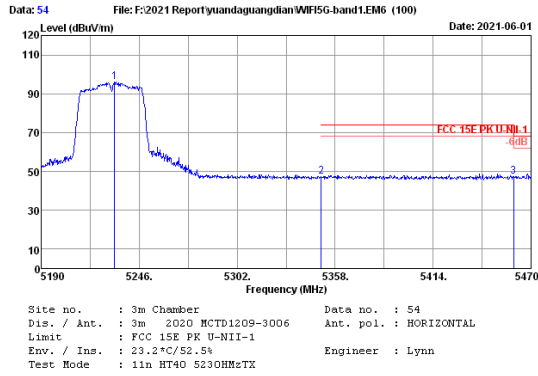
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading  
 -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5150.00     | 32.98              | 1.43            | 41.17          | 34.50           | 41.08                   | 54.00           | 12.92       | Average |
| 2   | 5188.39     | 33.02              | 1.43            | 84.23          | 34.50           | 84.18                   | -----           | -----       | Average |

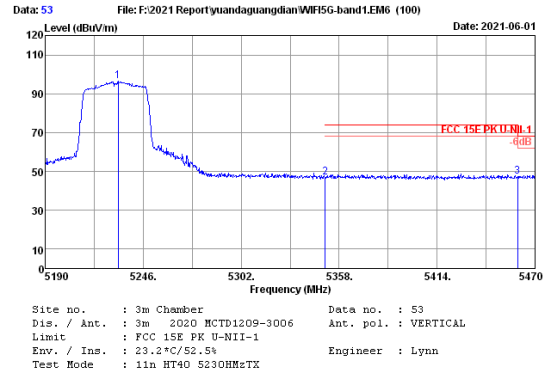
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading  
 -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: 2AZ3IMP250



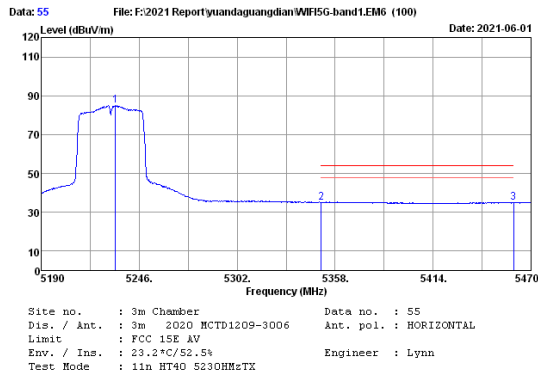
| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1   | 5232.00     | 33.08              | 1.45            | 96.08          | 34.50           | 96.11                   | 74.00           | 26.73       | Peak   |
| 2   | 5350.00     | 33.22              | 1.47            | 47.08          | 34.50           | 47.27                   | 68.20           | 20.68       | Peak   |
| 3   | 5460.00     | 33.34              | 1.49            | 47.19          | 34.50           | 47.52                   | 68.20           | 20.68       | Peak   |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



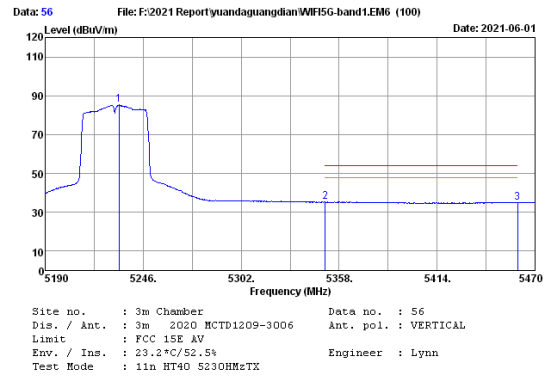
| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1   | 5231.72     | 33.08              | 1.45            | 96.50          | 34.50           | 96.53                   | 74.00           | 27.27       | Peak   |
| 2   | 5350.00     | 33.22              | 1.47            | 46.54          | 34.50           | 46.73                   | 68.20           | 20.99       | Peak   |
| 3   | 5460.00     | 33.34              | 1.49            | 46.88          | 34.50           | 47.21                   | 68.20           | 20.99       | Peak   |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5232.56     | 33.08              | 1.45            | 85.03          | 34.50           | 85.06                   | 54.00           | 18.82       | Average |
| 2   | 5350.00     | 33.22              | 1.47            | 34.99          | 34.50           | 35.18                   | 54.00           | 19.16       | Average |
| 3   | 5460.00     | 33.34              | 1.49            | 34.51          | 34.50           | 34.84                   | 54.00           | 19.16       | Average |

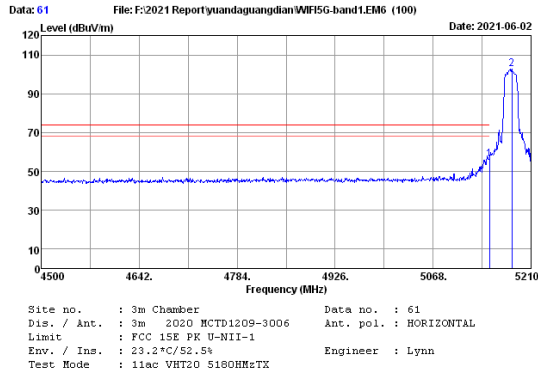
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5232.28     | 33.08              | 1.45            | 85.29          | 34.50           | 85.32                   | 54.00           | 18.71       | Average |
| 2   | 5350.00     | 33.22              | 1.47            | 35.10          | 34.50           | 35.29                   | 54.00           | 19.10       | Average |
| 3   | 5460.00     | 33.34              | 1.49            | 34.57          | 34.50           | 34.90                   | 54.00           | 19.10       | Average |

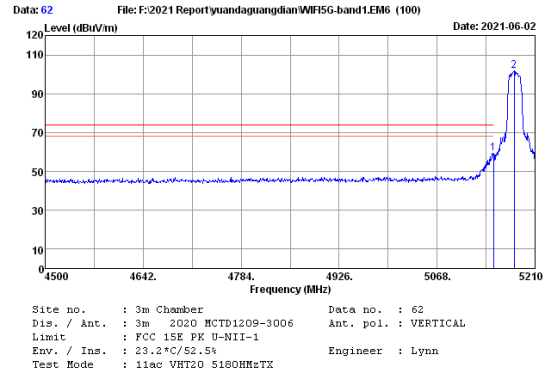
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: 2AZ3IMP250



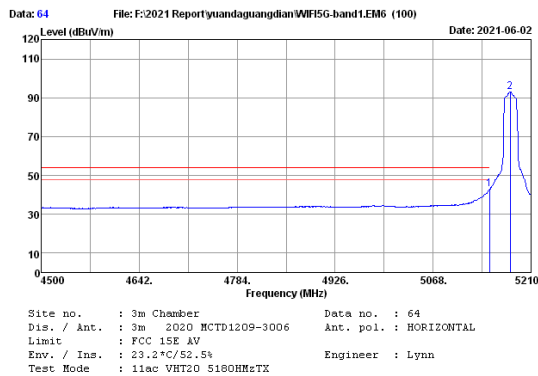
| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1   | 5150.00     | 32.98              | 1.43            | 56.28          | 34.50           | 56.19                   | 74.00           | 17.81       | Peak   |
| 2   | 5182.31     | 33.02              | 1.43            | 102.77         | 34.50           | 102.72                  | -----           | -----       | Peak   |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading  
 -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



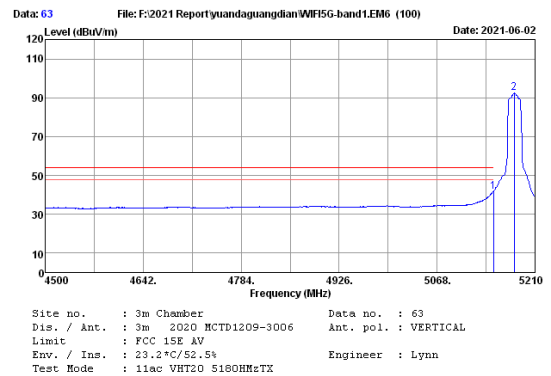
| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1   | 5150.00     | 32.98              | 1.43            | 59.26          | 34.50           | 59.17                   | 74.00           | 14.83       | Peak   |
| 2   | 5179.47     | 33.02              | 1.43            | 101.94         | 34.50           | 101.89                  | -----           | -----       | Peak   |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading  
 -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5150.00     | 32.98              | 1.43            | 42.88          | 34.50           | 42.79                   | 54.00           | 11.21       | Average |
| 2   | 5179.47     | 33.02              | 1.43            | 93.13          | 34.50           | 93.08                   | -----           | -----       | Average |

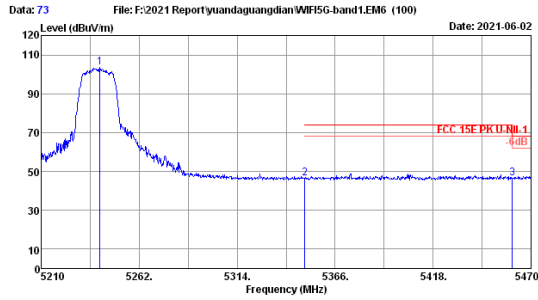
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading  
 -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5150.00     | 32.98              | 1.43            | 41.87          | 34.50           | 41.78                   | 54.00           | 12.22       | Average |
| 2   | 5179.47     | 33.02              | 1.43            | 92.55          | 34.50           | 92.50                   | -----           | -----       | Average |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading  
 -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

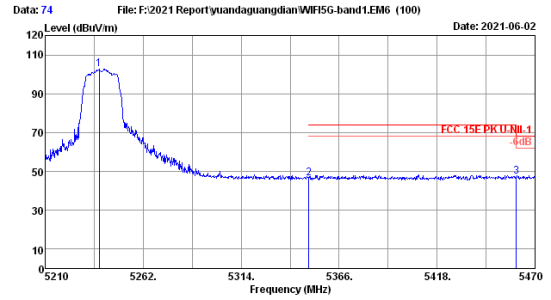
FCC ID: 2AZ3IMP250



Site no. : 3m Chamber Data no. : 73  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : HORIZONTAL  
 Limit : FCC 15E PK U-NII-1  
 Env. / Ins. : 23.2°C/52.5% Engineer : Lynn  
 Test Mode : 11ac VHT20 5240MHzTX

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1   | 5241.20     | 33.08              | 1.45            | 103.39         | 34.50           | 103.42                  | -----           | -----       | Peak   |
| 2   | 5350.00     | 33.22              | 1.47            | 46.21          | 34.50           | 46.40                   | 74.00           | 27.60       | Peak   |
| 3   | 5460.00     | 33.34              | 1.49            | 46.15          | 34.50           | 46.48                   | 68.20           | 21.72       | Peak   |

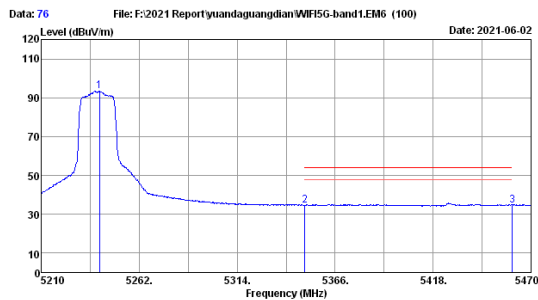
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 74  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : VERTICAL  
 Limit : FCC 15E PK U-NII-1  
 Env. / Ins. : 23.2°C/52.5% Engineer : Lynn  
 Test Mode : 11ac VHT20 5240MHzTX

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1   | 5238.60     | 33.08              | 1.45            | 102.59         | 34.50           | 102.62                  | -----           | -----       | Peak   |
| 2   | 5350.00     | 33.22              | 1.47            | 46.37          | 34.50           | 46.56                   | 74.00           | 27.44       | Peak   |
| 3   | 5460.00     | 33.34              | 1.49            | 47.13          | 34.50           | 47.46                   | 68.20           | 20.74       | Peak   |

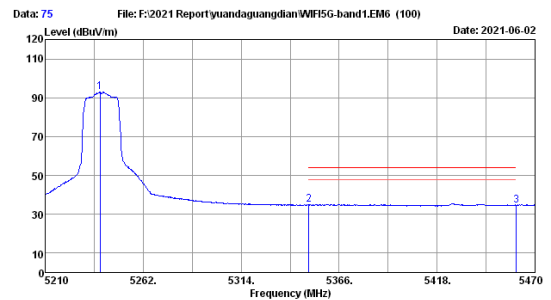
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 76  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : HORIZONTAL  
 Limit : FCC 15E AV  
 Env. / Ins. : 23.2°C/52.5% Engineer : Lynn  
 Test Mode : 11ac VHT20 5240MHzTX

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5240.94     | 33.08              | 1.45            | 93.45          | 34.50           | 93.48                   | -----           | -----       | Average |
| 2   | 5350.00     | 33.22              | 1.47            | 34.44          | 34.50           | 34.63                   | 54.00           | 19.37       | Average |
| 3   | 5460.00     | 33.34              | 1.49            | 34.37          | 34.50           | 34.70                   | 54.00           | 19.30       | Average |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

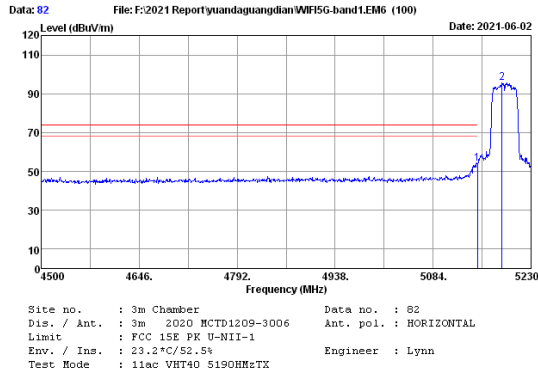


Site no. : 3m Chamber Data no. : 75  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : VERTICAL  
 Limit : FCC 15E AV  
 Env. / Ins. : 23.2°C/52.5% Engineer : Lynn  
 Test Mode : 11ac VHT20 5240MHzTX

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5239.12     | 33.08              | 1.45            | 93.11          | 34.50           | 93.14                   | -----           | -----       | Average |
| 2   | 5350.00     | 33.22              | 1.47            | 34.59          | 34.50           | 34.78                   | 54.00           | 19.22       | Average |
| 3   | 5460.00     | 33.34              | 1.49            | 34.42          | 34.50           | 34.75                   | 54.00           | 19.25       | Average |

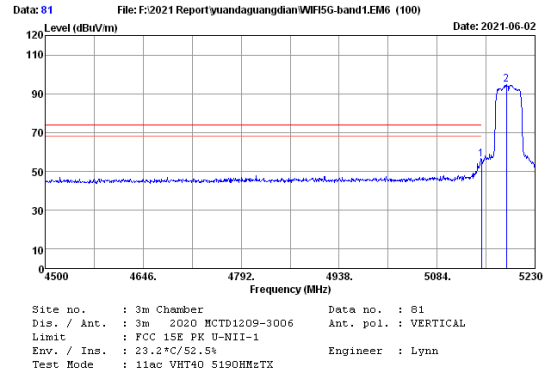
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: 2AZ3IMP250



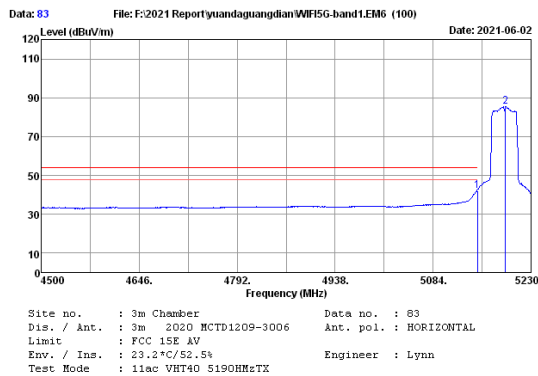
| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1   | 5150.00     | 32.98              | 1.43            | 54.14          | 34.50           | 54.05                   | 74.00           | 19.95       | Peak   |
| 2   | 5186.93     | 33.02              | 1.43            | 95.57          | 34.50           | 95.52                   | -----           | -----       | Peak   |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading  
 -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



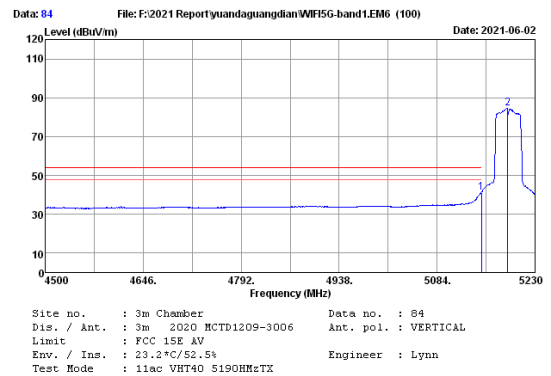
| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1   | 5150.00     | 32.98              | 1.43            | 56.47          | 34.50           | 56.38                   | 74.00           | 17.62       | Peak   |
| 2   | 5187.66     | 33.02              | 1.43            | 94.60          | 34.50           | 94.55                   | -----           | -----       | Peak   |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading  
 -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5150.00     | 32.98              | 1.43            | 42.36          | 34.50           | 42.27                   | 54.00           | 11.73       | Average |
| 2   | 5192.04     | 33.04              | 1.44            | 85.44          | 34.50           | 85.42                   | -----           | -----       | Average |

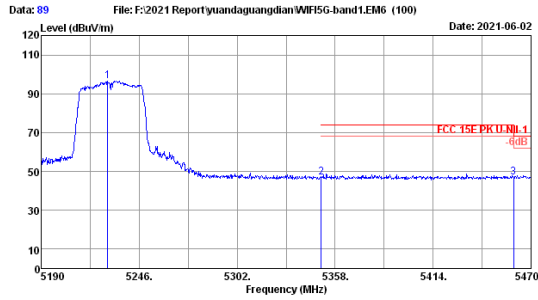
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading  
 -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5150.12     | 32.98              | 1.43            | 41.21          | 34.50           | 41.12                   | 54.00           | 12.88       | Average |
| 2   | 5189.12     | 33.02              | 1.43            | 84.64          | 34.50           | 84.59                   | -----           | -----       | Average |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading  
 -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

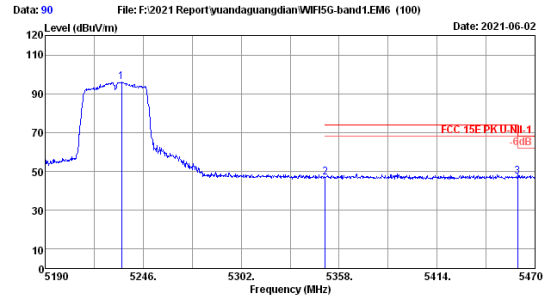
FCC ID: 2AZ3IMP250



Site no. : 3m Chamber Data no. : 89  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : HORIZONTAL  
 Limit : FCC 15E PK U-NII-1  
 Env. / Ins. : 23.2°C/52.5% Engineer : Lynn  
 Test Mode : 11ac VHT40 S230HHzTX

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1   | 5228.08     | 33.08              | 1.45            | 96.64          | 34.50           | 96.67                   | 74.00           | 22.67       | Peak   |
| 2   | 5350.00     | 33.22              | 1.47            | 46.61          | 34.50           | 46.80                   | 54.00           | -7.20       | Peak   |
| 3   | 5460.00     | 33.34              | 1.49            | 46.43          | 34.50           | 46.76                   | 54.00           | -7.24       | Peak   |

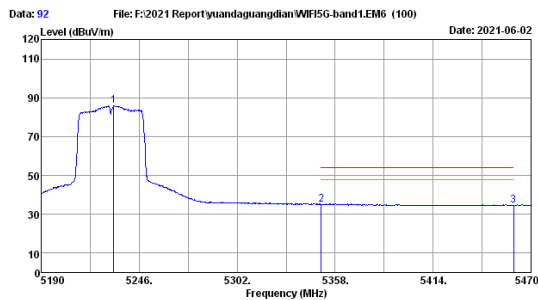
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 90  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : VERTICAL  
 Limit : FCC 15E PK U-NII-1  
 Env. / Ins. : 23.2°C/52.5% Engineer : Lynn  
 Test Mode : 11ac VHT40 S230HHzTX

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1   | 5233.68     | 33.08              | 1.45            | 95.86          | 34.50           | 95.89                   | 74.00           | 21.89       | Peak   |
| 2   | 5350.00     | 33.22              | 1.47            | 46.91          | 34.50           | 47.10                   | 54.00           | -6.90       | Peak   |
| 3   | 5460.00     | 33.34              | 1.49            | 47.17          | 34.50           | 47.50                   | 54.00           | -6.50       | Peak   |

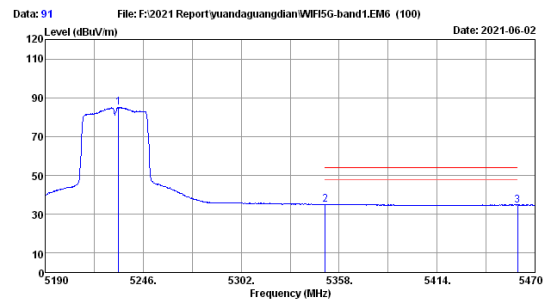
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 92  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : HORIZONTAL  
 Limit : FCC 15E AV  
 Env. / Ins. : 23.2°C/52.5% Engineer : Lynn  
 Test Mode : 11ac VHT40 S230HHzTX

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5231.44     | 33.08              | 1.45            | 86.06          | 34.50           | 86.09                   | 54.00           | 32.09       | Average |
| 2   | 5350.00     | 33.22              | 1.47            | 34.93          | 34.50           | 35.12                   | 54.00           | -18.88      | Average |
| 3   | 5460.00     | 33.34              | 1.49            | 34.35          | 34.50           | 34.68                   | 54.00           | -19.32      | Average |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

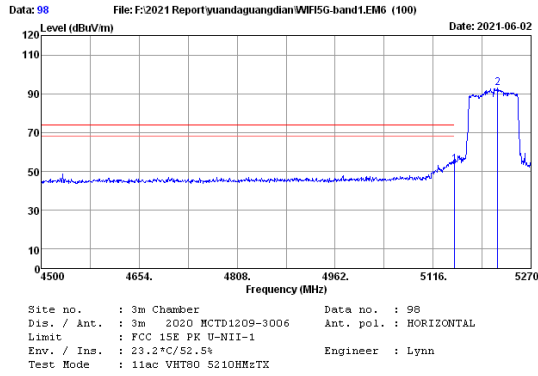


Site no. : 3m Chamber Data no. : 91  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : VERTICAL  
 Limit : FCC 15E AV  
 Env. / Ins. : 23.2°C/52.5% Engineer : Lynn  
 Test Mode : 11ac VHT40 S230HHzTX

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5232.00     | 33.08              | 1.45            | 85.13          | 34.50           | 85.16                   | 54.00           | 31.16       | Average |
| 2   | 5350.00     | 33.22              | 1.47            | 34.84          | 34.50           | 35.03                   | 54.00           | -18.97      | Average |
| 3   | 5460.00     | 33.34              | 1.49            | 34.32          | 34.50           | 34.65                   | 54.00           | -19.35      | Average |

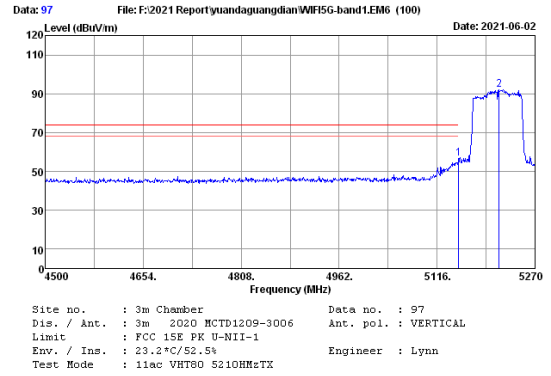
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: 2AZ3IMP250



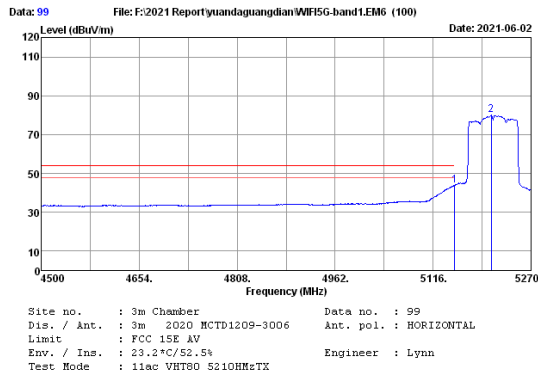
| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1   | 5150.00     | 32.98              | 1.43            | 53.60          | 34.50           | 53.51                   | 74.00           | 20.49       | Peak   |
| 2   | 5217.64     | 33.06              | 1.44            | 93.18          | 34.50           | 93.18                   | -----           | -----       | Peak   |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading  
 -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



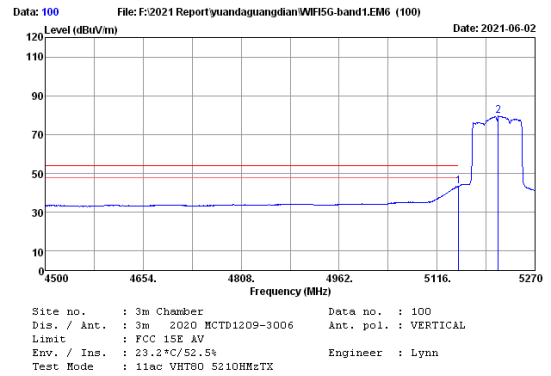
| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1   | 5150.00     | 32.98              | 1.43            | 56.98          | 34.50           | 56.89                   | 74.00           | 17.11       | Peak   |
| 2   | 5213.79     | 33.06              | 1.44            | 91.98          | 34.50           | 91.98                   | -----           | -----       | Peak   |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading  
 -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5150.00     | 32.98              | 1.43            | 43.85          | 34.50           | 43.76                   | 54.00           | 10.24       | Average |
| 2   | 5207.63     | 33.06              | 1.44            | 79.99          | 34.50           | 79.99                   | -----           | -----       | Average |

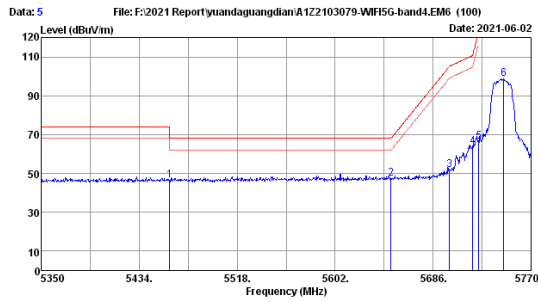
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading  
 -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5150.00     | 32.98              | 1.43            | 43.31          | 34.50           | 43.22                   | 54.00           | 10.78       | Average |
| 2   | 5212.25     | 33.06              | 1.44            | 79.57          | 34.50           | 79.57                   | -----           | -----       | Average |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading  
 -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

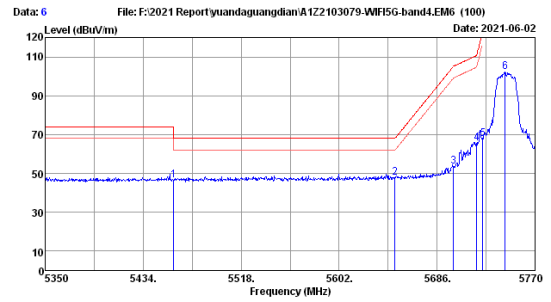
### U-NII-3 Band:



Site no. : 3m Chamber Data no. : 5  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : HORIZONTAL  
 Limit : FCC 15E PK U-NII-3  
 Env. / Ins. : 22.4°C/52.1% Engineer : Lynn  
 Power rating : AC 120V/60Hz  
 Test Mode : 11a 5745 Tx Mode

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1   | 5460.00     | 33.34              | 1.49            | 46.21          | 34.50           | 46.54                   | 68.20           | 21.66       | Peak   |
| 2   | 5650.00     | 33.68              | 1.53            | 46.49          | 34.50           | 47.20                   | 68.20           | 21.00       | Peak   |
| 3   | 5700.00     | 33.74              | 1.54            | 50.83          | 34.50           | 51.61                   | 105.20          | 53.59       | Peak   |
| 4   | 5720.00     | 33.80              | 1.54            | 62.94          | 34.50           | 63.78                   | 110.80          | 47.02       | Peak   |
| 5   | 5725.00     | 33.80              | 1.55            | 65.48          | 34.50           | 66.33                   | 122.80          | 56.47       | Peak   |
| 6   | 5746.48     | 33.83              | 1.55            | 98.06          | 34.50           | 98.94                   | -----           | -----       | Peak   |

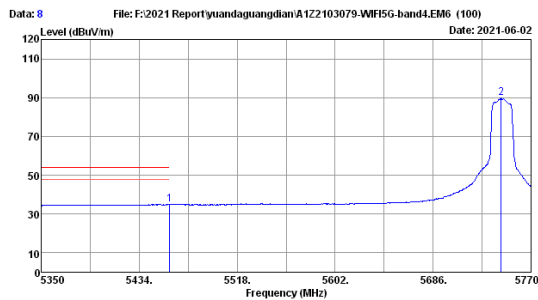
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading  
 -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 6  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : VERTICAL  
 Limit : FCC 15E PK U-NII-3  
 Env. / Ins. : 22.4°C/52.1% Engineer : Lynn  
 Power rating : AC 120V/60Hz  
 Test Mode : 11a 5745 Tx Mode

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1   | 5460.00     | 33.34              | 1.49            | 46.36          | 34.50           | 46.69                   | 68.20           | 21.51       | Peak   |
| 2   | 5650.00     | 33.68              | 1.53            | 47.09          | 34.50           | 47.80                   | 68.20           | 20.40       | Peak   |
| 3   | 5700.00     | 33.74              | 1.54            | 52.66          | 34.50           | 53.44                   | 105.20          | 51.76       | Peak   |
| 4   | 5720.00     | 33.80              | 1.54            | 64.69          | 34.50           | 65.53                   | 110.80          | 45.27       | Peak   |
| 5   | 5725.00     | 33.80              | 1.55            | 67.05          | 34.50           | 67.90                   | 122.80          | 54.90       | Peak   |
| 6   | 5744.38     | 33.83              | 1.55            | 101.41         | 34.50           | 102.29                  | -----           | -----       | Peak   |

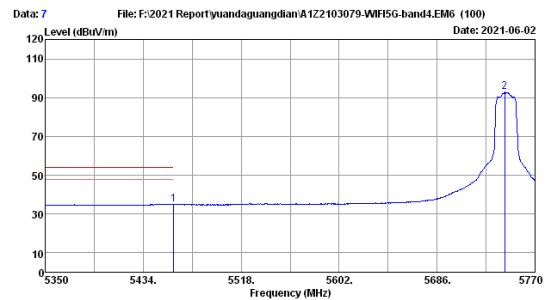
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading  
 -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 8  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : HORIZONTAL  
 Limit : FCC 15E AV  
 Env. / Ins. : 22.4°C/52.1% Engineer : Lynn  
 Power rating : AC 120V/60Hz  
 Test Mode : 11a 5745 Tx Mode

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5460.00     | 33.34              | 1.49            | 34.49          | 34.50           | 34.82                   | 54.00           | 19.18       | Average |
| 2   | 5744.38     | 33.83              | 1.55            | 88.89          | 34.50           | 89.77                   | -----           | -----       | Average |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading  
 -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

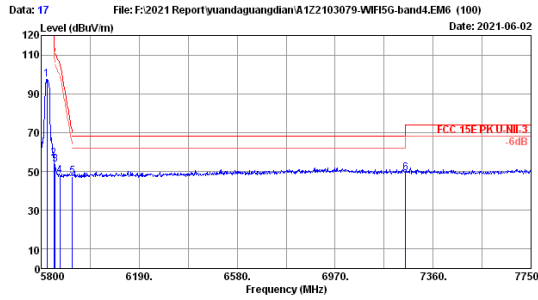


Site no. : 3m Chamber Data no. : 7  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : VERTICAL  
 Limit : FCC 15E AV  
 Env. / Ins. : 22.4°C/52.1% Engineer : Lynn  
 Power rating : AC 120V/60Hz  
 Test Mode : 11a 5745 Tx Mode

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5460.00     | 33.34              | 1.49            | 34.64          | 34.50           | 34.97                   | 54.00           | 19.03       | Average |
| 2   | 5743.96     | 33.83              | 1.55            | 91.92          | 34.50           | 92.80                   | -----           | -----       | Average |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading  
 -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

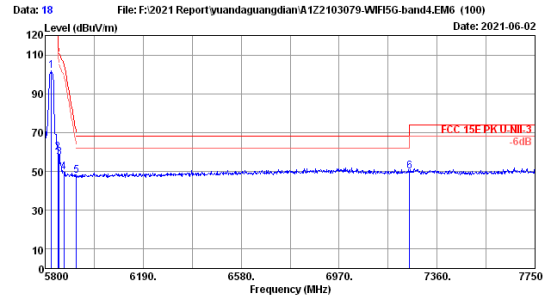
FCC ID: 2AZ3IMP250



Site no. : 3m Chamber Data no. : 17  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : HORIZONTAL  
 Limit : FCC 15E PK U-NII-3  
 Env. / Ins. : 22.4°C/52.1% Engineer : Lynn  
 Power rating : AC 120V/60Hz  
 Test Mode : 11a 5825 Tx Mode

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1   | 5823.40     | 33.99              | 1.57            | 96.52          | 34.50           | 97.58                   | -----           | -----       | Peak   |
| 2   | 5850.00     | 34.02              | 1.57            | 55.52          | 34.50           | 56.61                   | 122.20          | 65.59       | Peak   |
| 3   | 5855.00     | 34.05              | 1.57            | 52.52          | 34.50           | 53.64                   | 110.80          | 57.16       | Peak   |
| 4   | 5875.00     | 34.08              | 1.58            | 46.60          | 34.50           | 47.76                   | 105.20          | 57.44       | Peak   |
| 5   | 5925.00     | 34.18              | 1.58            | 45.99          | 34.50           | 47.25                   | 68.20           | 20.95       | Peak   |
| 6   | 7250.00     | 36.50              | 1.92            | 45.51          | 34.72           | 49.21                   | 68.20           | 18.99       | Peak   |

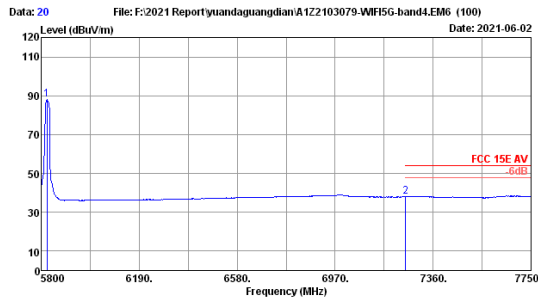
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading  
 -Amp factor;  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 18  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : VERTICAL  
 Limit : FCC 15E PK U-NII-3  
 Env. / Ins. : 22.4°C/52.1% Engineer : Lynn  
 Power rating : AC 120V/60Hz  
 Test Mode : 11a 5825 Tx Mode

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1   | 5825.35     | 33.99              | 1.57            | 100.70         | 34.50           | 101.76                  | -----           | -----       | Peak   |
| 2   | 5850.00     | 34.02              | 1.57            | 58.58          | 34.50           | 59.67                   | 122.20          | 62.53       | Peak   |
| 3   | 5855.00     | 34.05              | 1.57            | 55.80          | 34.50           | 56.92                   | 110.80          | 53.88       | Peak   |
| 4   | 5875.00     | 34.08              | 1.58            | 48.64          | 34.50           | 49.80                   | 105.20          | 55.40       | Peak   |
| 5   | 5925.00     | 34.18              | 1.58            | 46.48          | 34.50           | 47.74                   | 68.20           | 20.46       | Peak   |
| 6   | 7250.00     | 36.50              | 1.92            | 46.21          | 34.72           | 49.91                   | 68.20           | 18.29       | Peak   |

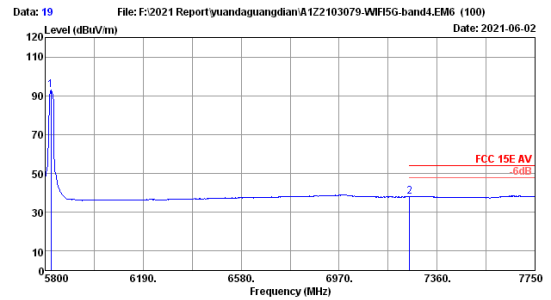
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading  
 -Amp factor;  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 20  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : HORIZONTAL  
 Limit : FCC 15E AV  
 Env. / Ins. : 22.4°C/52.1% Engineer : Lynn  
 Power rating : AC 120V/60Hz  
 Test Mode : 11a 5825 Tx Mode

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5823.40     | 33.99              | 1.57            | 87.19          | 34.50           | 88.25                   | -----           | -----       | Average |
| 2   | 7250.00     | 36.50              | 1.92            | 34.39          | 34.72           | 38.09                   | 54.00           | 15.91       | Average |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading  
 -Amp factor;  
 2. The emission levels that are 20dB below the official limit are not reported.

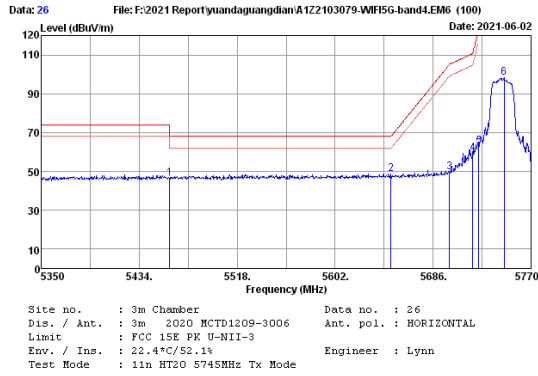


Site no. : 3m Chamber Data no. : 19  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : VERTICAL  
 Limit : FCC 15E AV  
 Env. / Ins. : 22.4°C/52.1% Engineer : Lynn  
 Power rating : AC 120V/60Hz  
 Test Mode : 11a 5825 Tx Mode

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5823.40     | 33.99              | 1.57            | 91.84          | 34.50           | 92.90                   | -----           | -----       | Average |
| 2   | 7250.00     | 36.50              | 1.92            | 34.45          | 34.72           | 38.15                   | 54.00           | 15.85       | Average |

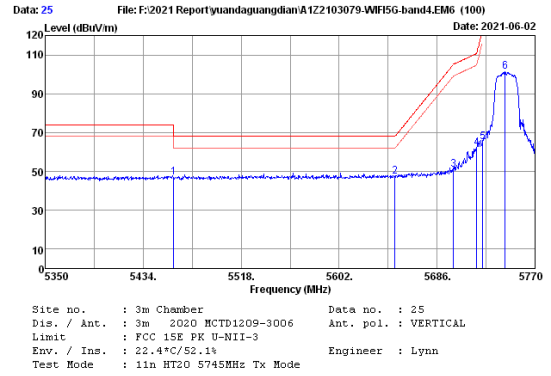
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading  
 -Amp factor;  
 2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: 2AZ3IMP250



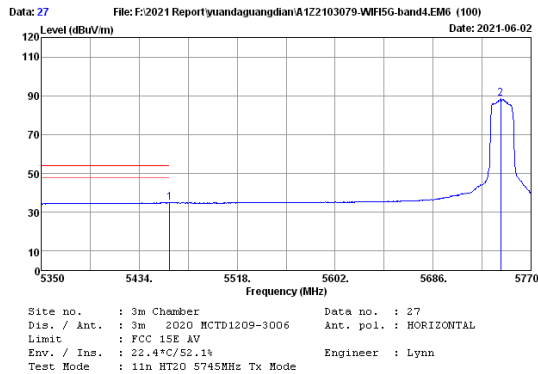
| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1   | 5460.00     | 33.34              | 1.49            | 46.24          | 34.50           | 46.57                   | 68.20           | 21.63       | Peak   |
| 2   | 5650.00     | 33.68              | 1.53            | 48.19          | 34.50           | 48.90                   | 68.20           | 19.30       | Peak   |
| 3   | 5700.00     | 33.74              | 1.54            | 48.68          | 34.50           | 49.46                   | 105.20          | 55.74       | Peak   |
| 4   | 5720.00     | 33.80              | 1.54            | 58.39          | 34.50           | 59.23                   | 110.80          | 51.57       | Peak   |
| 5   | 5725.00     | 33.80              | 1.55            | 61.85          | 34.50           | 62.70                   | 122.80          | 60.10       | Peak   |
| 6   | 5746.90     | 33.83              | 1.55            | 97.20          | 34.50           | 98.08                   | -----           | -----       | Peak   |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



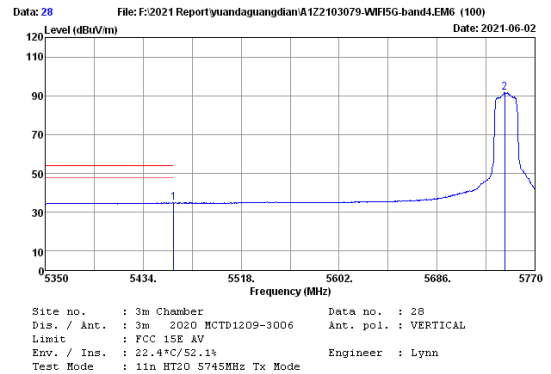
| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1   | 5460.00     | 33.34              | 1.49            | 46.63          | 34.50           | 46.96                   | 68.20           | 21.24       | Peak   |
| 2   | 5650.00     | 33.68              | 1.53            | 46.69          | 34.50           | 47.40                   | 68.20           | 20.80       | Peak   |
| 3   | 5700.00     | 33.74              | 1.54            | 50.35          | 34.50           | 51.13                   | 105.20          | 54.07       | Peak   |
| 4   | 5720.00     | 33.80              | 1.54            | 61.10          | 34.50           | 61.94                   | 110.80          | 48.86       | Peak   |
| 5   | 5725.00     | 33.80              | 1.55            | 64.45          | 34.50           | 65.30                   | 122.80          | 57.50       | Peak   |
| 6   | 5744.38     | 33.83              | 1.55            | 100.72         | 34.50           | 101.60                  | -----           | -----       | Peak   |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5460.00     | 33.34              | 1.49            | 34.45          | 34.50           | 34.78                   | 54.00           | 19.22       | Average |
| 2   | 5743.96     | 33.83              | 1.55            | 87.49          | 34.50           | 88.37                   | -----           | -----       | Average |

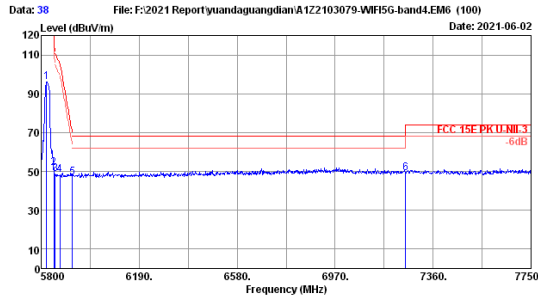
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5460.00     | 33.34              | 1.49            | 34.57          | 34.50           | 34.90                   | 54.00           | 19.10       | Average |
| 2   | 5743.96     | 33.83              | 1.55            | 90.81          | 34.50           | 91.69                   | -----           | -----       | Average |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

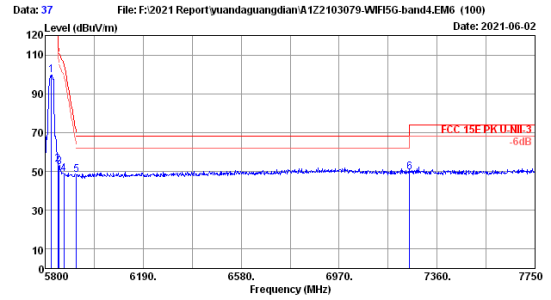
FCC ID: 2AZ3IMP250



Site no. : 3m Chamber Data no. : 38  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : HORIZONTAL  
 Limit : FCC 15E PK U-NII-3  
 Env. / Ins. : 22.4°C/52.1% Engineer : Lynn  
 Test Mode : 11n HT20 5825MHz Tx Mode

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1   | 5821.45     | 33.99              | 1.57            | 94.89          | 34.50           | 95.95                   | -----           | -----       | Peak   |
| 2   | 5850.00     | 34.02              | 1.57            | 50.53          | 34.50           | 51.62                   | 122.20          | 70.58       | Peak   |
| 3   | 5855.00     | 34.05              | 1.57            | 47.74          | 34.50           | 48.86                   | 110.80          | 61.94       | Peak   |
| 4   | 5875.00     | 34.08              | 1.58            | 47.31          | 34.50           | 48.47                   | 105.20          | 56.73       | Peak   |
| 5   | 5925.00     | 34.18              | 1.58            | 45.77          | 34.50           | 47.03                   | 68.20           | 21.17       | Peak   |
| 6   | 7250.00     | 36.50              | 1.92            | 45.64          | 34.72           | 49.34                   | 68.20           | 18.86       | Peak   |

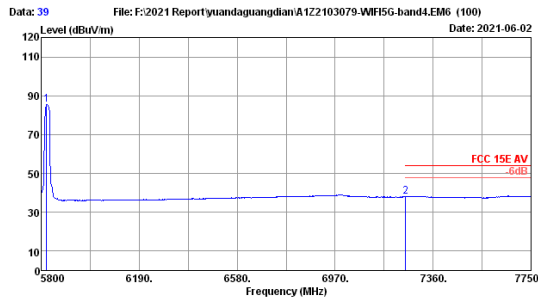
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 37  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : VERTICAL  
 Limit : FCC 15E PK U-NII-3  
 Env. / Ins. : 22.4°C/52.1% Engineer : Lynn  
 Test Mode : 11n HT20 5825MHz Tx Mode

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1   | 5825.35     | 33.99              | 1.57            | 98.75          | 34.50           | 99.81                   | -----           | -----       | Peak   |
| 2   | 5850.00     | 34.02              | 1.57            | 52.64          | 34.50           | 53.73                   | 122.20          | 68.47       | Peak   |
| 3   | 5855.00     | 34.05              | 1.57            | 51.34          | 34.50           | 52.46                   | 110.80          | 58.34       | Peak   |
| 4   | 5875.00     | 34.08              | 1.58            | 47.66          | 34.50           | 48.82                   | 105.20          | 56.38       | Peak   |
| 5   | 5925.00     | 34.18              | 1.58            | 46.96          | 34.50           | 48.22                   | 68.20           | 19.98       | Peak   |
| 6   | 7250.00     | 36.50              | 1.92            | 46.09          | 34.72           | 49.79                   | 68.20           | 18.41       | Peak   |

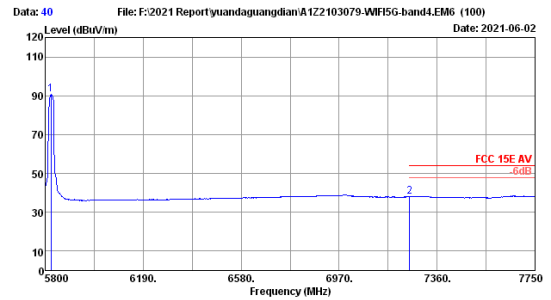
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 39  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : HORIZONTAL  
 Limit : FCC 15E AV  
 Env. / Ins. : 22.4°C/52.1% Engineer : Lynn  
 Test Mode : 11n HT20 5825MHz Tx Mode

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5821.45     | 33.99              | 1.57            | 84.49          | 34.50           | 85.55                   | -----           | -----       | Average |
| 2   | 7250.00     | 36.50              | 1.92            | 34.26          | 34.72           | 37.96                   | 54.00           | 16.04       | Average |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

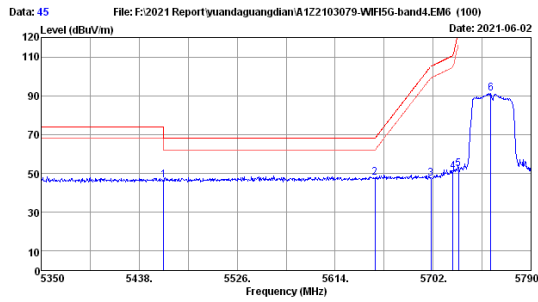


Site no. : 3m Chamber Data no. : 40  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : VERTICAL  
 Limit : FCC 15E AV  
 Env. / Ins. : 22.4°C/52.1% Engineer : Lynn  
 Test Mode : 11n HT20 5825MHz Tx Mode

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5823.40     | 33.99              | 1.57            | 89.82          | 34.50           | 90.88                   | -----           | -----       | Average |
| 2   | 7250.00     | 36.50              | 1.92            | 34.28          | 34.72           | 37.98                   | 54.00           | 16.02       | Average |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

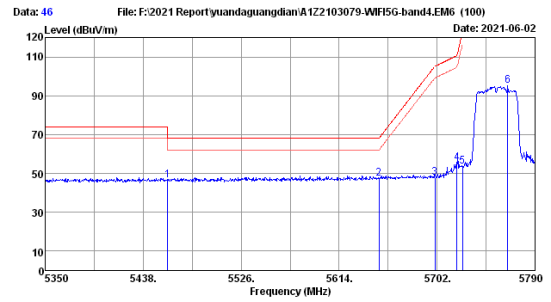
FCC ID: 2AZ3IMP250



Site no. : 3m Chamber Data no. : 45  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : HORIZONTAL  
 Limit : FCC 15E PK U-NII-3  
 Env. / Ins. : 22.4°C/52.1% Engineer : Lynn  
 Test Mode : 11n HT40 5755MHz Tx Mode

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1   | 5460.00     | 33.34              | 1.49            | 46.35          | 34.50           | 46.68                   | 68.20           | 21.52       | Peak   |
| 2   | 5650.00     | 33.68              | 1.53            | 46.90          | 34.50           | 47.61                   | 68.20           | 20.59       | Peak   |
| 3   | 5700.00     | 33.74              | 1.54            | 46.47          | 34.50           | 47.25                   | 105.20          | 57.95       | Peak   |
| 4   | 5720.00     | 33.80              | 1.54            | 50.18          | 34.50           | 51.02                   | 110.80          | 55.78       | Peak   |
| 5   | 5725.00     | 33.80              | 1.55            | 51.35          | 34.50           | 52.20                   | 122.80          | 70.60       | Peak   |
| 6   | 5753.92     | 33.87              | 1.55            | 90.32          | 34.50           | 91.24                   | -----           | -----       | Peak   |

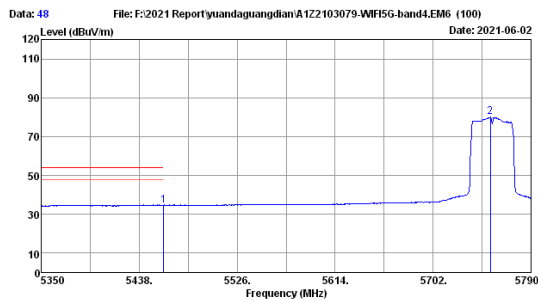
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 46  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : VERTICAL  
 Limit : FCC 15E PK U-NII-3  
 Env. / Ins. : 22.4°C/52.1% Engineer : Lynn  
 Test Mode : 11n HT40 5755MHz Tx Mode

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1   | 5460.00     | 33.34              | 1.49            | 46.01          | 34.50           | 46.34                   | 68.20           | 21.86       | Peak   |
| 2   | 5650.00     | 33.68              | 1.53            | 46.60          | 34.50           | 47.31                   | 68.20           | 20.89       | Peak   |
| 3   | 5700.00     | 33.74              | 1.54            | 46.86          | 34.50           | 47.64                   | 105.20          | 57.56       | Peak   |
| 4   | 5720.00     | 33.80              | 1.54            | 54.38          | 34.50           | 55.22                   | 110.80          | 55.58       | Peak   |
| 5   | 5725.00     | 33.80              | 1.55            | 52.80          | 34.50           | 53.65                   | 122.80          | 69.15       | Peak   |
| 6   | 5753.36     | 33.87              | 1.55            | 94.08          | 34.50           | 95.00                   | -----           | -----       | Peak   |

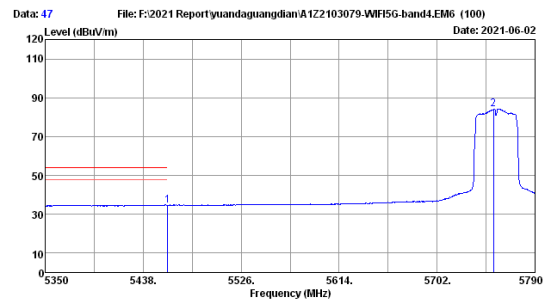
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 48  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : HORIZONTAL  
 Limit : FCC 15E AV  
 Env. / Ins. : 22.4°C/52.1% Engineer : Lynn  
 Test Mode : 11n HT40 5755MHz Tx Mode

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5460.00     | 33.34              | 1.49            | 34.40          | 34.50           | 34.73                   | 54.00           | 19.27       | Average |
| 2   | 5753.48     | 33.87              | 1.55            | 79.12          | 34.50           | 80.04                   | -----           | -----       | Average |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

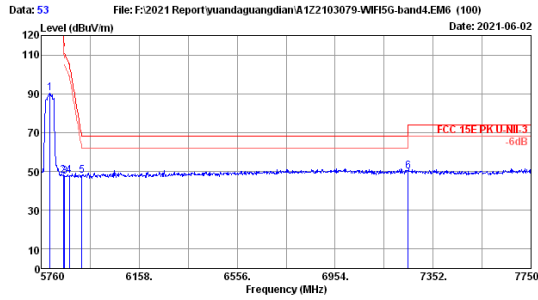


Site no. : 3m Chamber Data no. : 47  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : VERTICAL  
 Limit : FCC 15E AV  
 Env. / Ins. : 22.4°C/52.1% Engineer : Lynn  
 Test Mode : 11n HT40 5755MHz Tx Mode

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5460.00     | 33.34              | 1.49            | 34.33          | 34.50           | 34.66                   | 54.00           | 19.34       | Average |
| 2   | 5752.60     | 33.87              | 1.55            | 83.34          | 34.50           | 84.26                   | -----           | -----       | Average |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

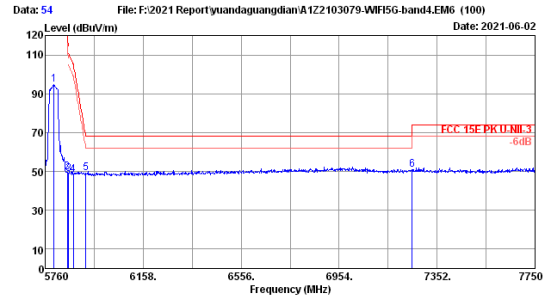
FCC ID: 2AZ3IMP250



Site no. : 3m Chamber Data no. : 53  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : HORIZONTAL  
 Limit : FCC 15E PK U-NII-3  
 Env. / Ins. : 22.4°C/52.1% Engineer : Lynn  
 Test Mode : 11n HT40 5795MHz Tx Mode

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1   | 5795.82     | 33.93              | 1.56            | 89.16          | 34.50           | 90.15                   | -----           | -----       | Peak   |
| 2   | 5850.00     | 34.02              | 1.57            | 46.74          | 34.50           | 47.83                   | 122.20          | 74.37       | Peak   |
| 3   | 5855.00     | 34.05              | 1.57            | 46.08          | 34.50           | 47.20                   | 110.80          | 63.60       | Peak   |
| 4   | 5875.00     | 34.08              | 1.58            | 46.76          | 34.50           | 47.92                   | 105.20          | 57.28       | Peak   |
| 5   | 5925.00     | 34.18              | 1.58            | 46.57          | 34.50           | 47.83                   | 68.20           | 20.37       | Peak   |
| 6   | 7250.00     | 36.50              | 1.92            | 46.51          | 34.72           | 50.21                   | 68.20           | 17.99       | Peak   |

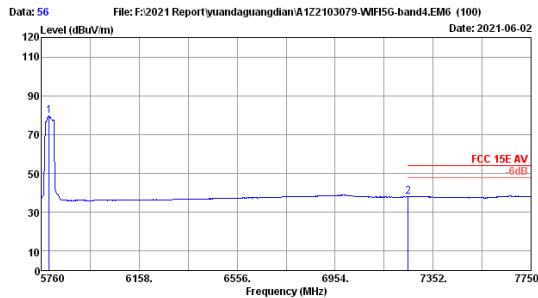
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 54  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : VERTICAL  
 Limit : FCC 15E PK U-NII-3  
 Env. / Ins. : 22.4°C/52.1% Engineer : Lynn  
 Test Mode : 11n HT40 5795MHz Tx Mode

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1   | 5795.82     | 33.93              | 1.56            | 93.77          | 34.50           | 94.76                   | -----           | -----       | Peak   |
| 2   | 5850.00     | 34.02              | 1.57            | 48.56          | 34.50           | 49.65                   | 122.20          | 72.55       | Peak   |
| 3   | 5855.00     | 34.05              | 1.57            | 47.40          | 34.50           | 48.52                   | 110.80          | 62.28       | Peak   |
| 4   | 5875.00     | 34.08              | 1.58            | 47.18          | 34.50           | 48.34                   | 105.20          | 56.86       | Peak   |
| 5   | 5925.00     | 34.18              | 1.58            | 47.79          | 34.50           | 49.05                   | 68.20           | 19.15       | Peak   |
| 6   | 7250.00     | 36.50              | 1.92            | 47.39          | 34.72           | 51.09                   | 68.20           | 17.11       | Peak   |

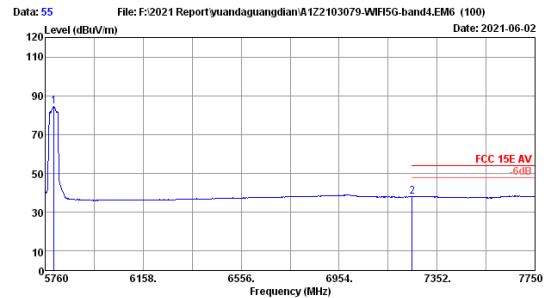
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 56  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : HORIZONTAL  
 Limit : FCC 15E AV  
 Env. / Ins. : 22.4°C/52.1% Engineer : Lynn  
 Test Mode : 11n HT40 5795MHz Tx Mode

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5791.84     | 33.93              | 1.56            | 78.79          | 34.50           | 79.78                   | -----           | -----       | Average |
| 2   | 7250.00     | 36.50              | 1.92            | 34.30          | 34.72           | 38.00                   | 54.00           | 16.00       | Average |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

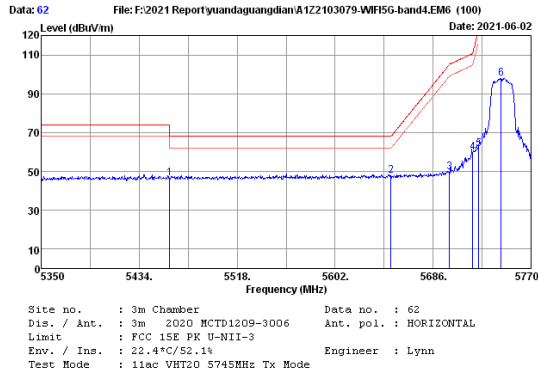


Site no. : 3m Chamber Data no. : 55  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : VERTICAL  
 Limit : FCC 15E AV  
 Env. / Ins. : 22.4°C/52.1% Engineer : Lynn  
 Test Mode : 11n HT40 5795MHz Tx Mode

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5795.82     | 33.93              | 1.56            | 83.46          | 34.50           | 84.45                   | -----           | -----       | Average |
| 2   | 7250.00     | 36.50              | 1.92            | 34.38          | 34.72           | 38.08                   | 54.00           | 15.92       | Average |

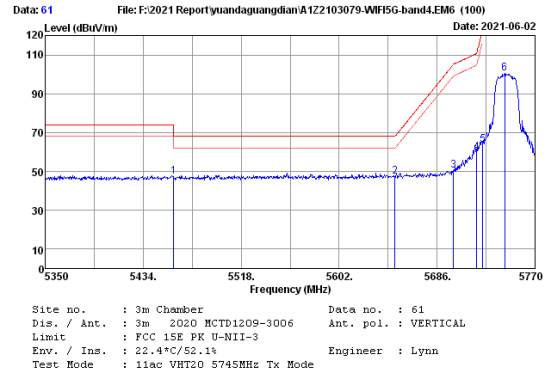
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: 2AZ3IMP250



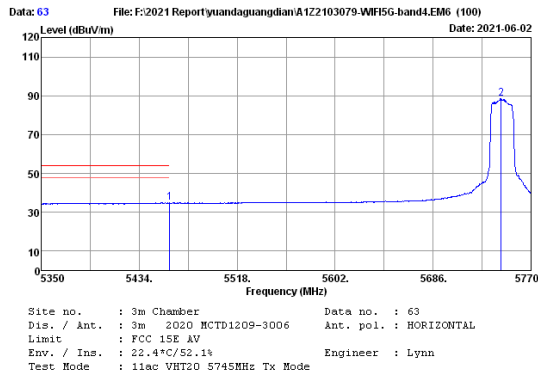
| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1   | 5460.00     | 33.34              | 1.49            | 46.22          | 34.50           | 46.55                   | 68.20           | 21.65       | Peak   |
| 2   | 5650.00     | 33.68              | 1.53            | 47.13          | 34.50           | 47.84                   | 68.20           | 20.36       | Peak   |
| 3   | 5700.00     | 33.74              | 1.54            | 49.01          | 34.50           | 49.79                   | 105.20          | 55.41       | Peak   |
| 4   | 5720.00     | 33.80              | 1.54            | 59.01          | 34.50           | 59.85                   | 110.80          | 50.95       | Peak   |
| 5   | 5725.00     | 33.80              | 1.55            | 60.77          | 34.50           | 61.62                   | 122.80          | 61.18       | Peak   |
| 6   | 5744.38     | 33.83              | 1.55            | 97.19          | 34.50           | 98.07                   | -----           | -----       | Peak   |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



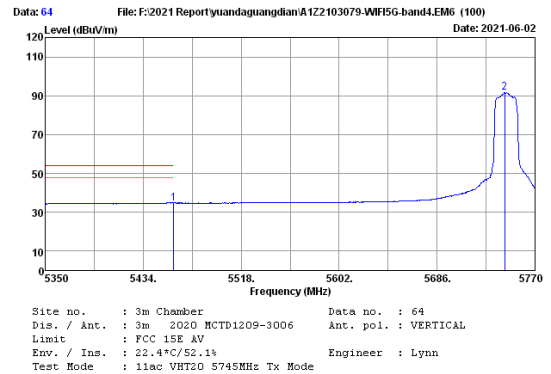
| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1   | 5460.00     | 33.34              | 1.49            | 46.85          | 34.50           | 47.18                   | 68.20           | 21.02       | Peak   |
| 2   | 5650.00     | 33.68              | 1.53            | 46.57          | 34.50           | 47.28                   | 68.20           | 20.92       | Peak   |
| 3   | 5700.00     | 33.74              | 1.54            | 49.91          | 34.50           | 50.69                   | 105.20          | 54.51       | Peak   |
| 4   | 5720.00     | 33.80              | 1.54            | 59.14          | 34.50           | 59.98                   | 110.80          | 50.82       | Peak   |
| 5   | 5725.00     | 33.80              | 1.55            | 62.86          | 34.50           | 63.71                   | 122.80          | 59.09       | Peak   |
| 6   | 5743.96     | 33.83              | 1.55            | 99.77          | 34.50           | 100.65                  | -----           | -----       | Peak   |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5460.00     | 33.34              | 1.49            | 34.45          | 34.50           | 34.78                   | 54.00           | 19.22       | Average |
| 2   | 5744.38     | 33.83              | 1.55            | 87.71          | 34.50           | 88.59                   | -----           | -----       | Average |

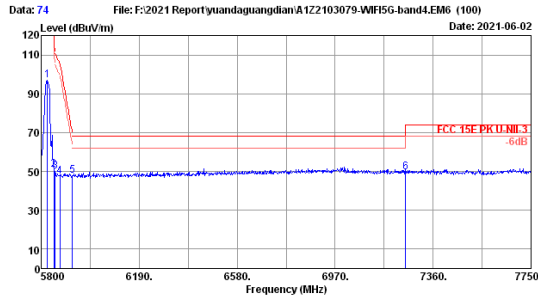
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5460.00     | 33.34              | 1.49            | 34.41          | 34.50           | 34.74                   | 54.00           | 19.26       | Average |
| 2   | 5743.96     | 33.83              | 1.55            | 90.76          | 34.50           | 91.64                   | -----           | -----       | Average |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

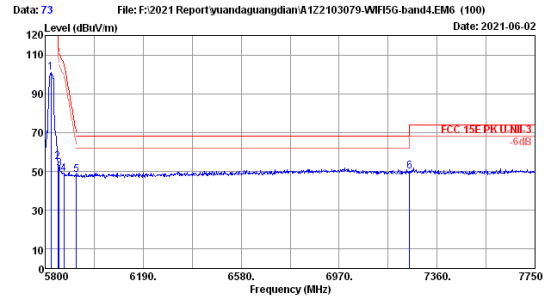
FCC ID: 2AZ3IMP250



Site no. : 3m Chamber Data no. : 74  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : HORIZONTAL  
 Limit : FCC 15E PK U-NII-3  
 Env. / Ins. : 22.4°C/52.1% Engineer : Lynn  
 Test Mode : 11ac VHT20 5825MHz Tx Mode

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1   | 5825.35     | 33.99              | 1.57            | 95.83          | 34.50           | 96.89                   | -----           | -----       | Peak   |
| 2   | 5850.00     | 34.02              | 1.57            | 49.94          | 34.50           | 51.03                   | 122.20          | 71.17       | Peak   |
| 3   | 5855.00     | 34.05              | 1.57            | 48.76          | 34.50           | 49.88                   | 110.80          | 60.92       | Peak   |
| 4   | 5875.00     | 34.08              | 1.58            | 46.12          | 34.50           | 47.28                   | 105.20          | 57.92       | Peak   |
| 5   | 5925.00     | 34.18              | 1.58            | 46.52          | 34.50           | 47.78                   | 68.20           | 20.42       | Peak   |
| 6   | 7250.00     | 36.50              | 1.92            | 45.89          | 34.72           | 49.59                   | 68.20           | 18.61       | Peak   |

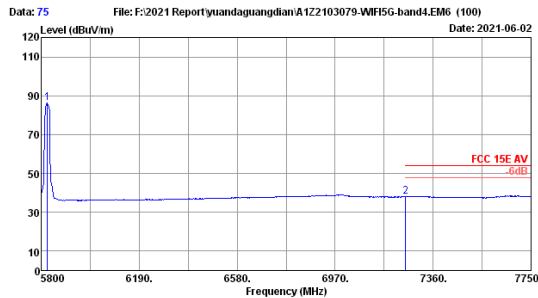
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 73  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : VERTICAL  
 Limit : FCC 15E PK U-NII-3  
 Env. / Ins. : 22.4°C/52.1% Engineer : Lynn  
 Test Mode : 11ac VHT20 5825MHz Tx Mode

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1   | 5823.40     | 33.99              | 1.57            | 100.05         | 34.50           | 101.11                  | -----           | -----       | Peak   |
| 2   | 5850.00     | 34.02              | 1.57            | 53.73          | 34.50           | 54.82                   | 122.20          | 67.38       | Peak   |
| 3   | 5855.00     | 34.05              | 1.57            | 50.36          | 34.50           | 51.48                   | 110.80          | 59.32       | Peak   |
| 4   | 5875.00     | 34.08              | 1.58            | 47.60          | 34.50           | 48.76                   | 105.20          | 56.44       | Peak   |
| 5   | 5925.00     | 34.18              | 1.58            | 47.13          | 34.50           | 48.39                   | 68.20           | 19.81       | Peak   |
| 6   | 7250.00     | 36.50              | 1.92            | 46.18          | 34.72           | 49.88                   | 68.20           | 18.32       | Peak   |

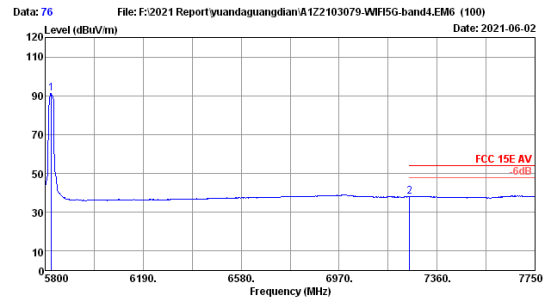
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 75  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : HORIZONTAL  
 Limit : FCC 15E AV  
 Env. / Ins. : 22.4°C/52.1% Engineer : Lynn  
 Test Mode : 11ac VHT20 5825MHz Tx Mode

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5825.35     | 33.99              | 1.57            | 85.28          | 34.50           | 86.34                   | -----           | -----       | Average |
| 2   | 7250.00     | 36.50              | 1.92            | 34.39          | 34.72           | 38.09                   | 54.00           | 15.91       | Average |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

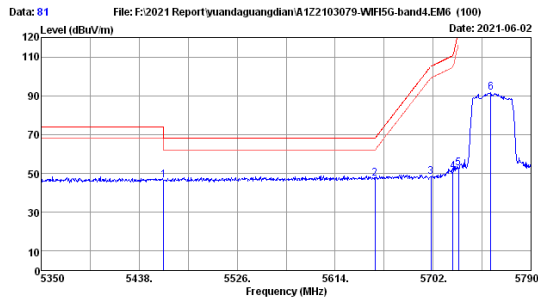


Site no. : 3m Chamber Data no. : 76  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : VERTICAL  
 Limit : FCC 15E AV  
 Env. / Ins. : 22.4°C/52.1% Engineer : Lynn  
 Test Mode : 11ac VHT20 5825MHz Tx Mode

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5825.35     | 33.99              | 1.57            | 90.28          | 34.50           | 91.34                   | -----           | -----       | Average |
| 2   | 7250.00     | 36.50              | 1.92            | 34.42          | 34.72           | 38.12                   | 54.00           | 15.88       | Average |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

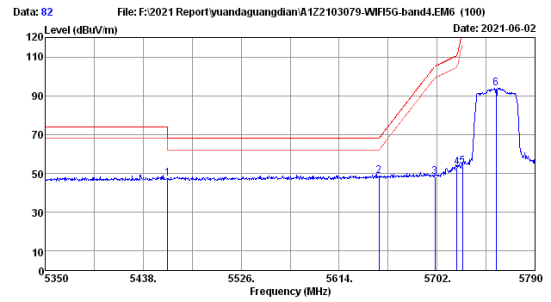
FCC ID: 2AZ3IMP250



Site no. : 3m Chamber Data no. : 81  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : HORIZONTAL  
 Limit : FCC 15E PK U-NII-3  
 Env. / Ins. : 22.4°C/52.1% Engineer : Lynn  
 Test Mode : 11ac VHT40 5755MHz Tx Mode

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1   | 5460.00     | 33.34              | 1.49            | 46.04          | 34.50           | 46.37                   | 68.20           | 21.83       | Peak   |
| 2   | 5650.00     | 33.68              | 1.53            | 46.57          | 34.50           | 47.28                   | 68.20           | 20.92       | Peak   |
| 3   | 5700.00     | 33.74              | 1.54            | 47.52          | 34.50           | 48.30                   | 105.20          | 56.90       | Peak   |
| 4   | 5720.00     | 33.80              | 1.54            | 50.25          | 34.50           | 51.09                   | 110.80          | 59.71       | Peak   |
| 5   | 5725.00     | 33.80              | 1.55            | 51.87          | 34.50           | 52.72                   | 122.80          | 70.08       | Peak   |
| 6   | 5753.92     | 33.87              | 1.55            | 90.60          | 34.50           | 91.52                   | -----           | -----       | Peak   |

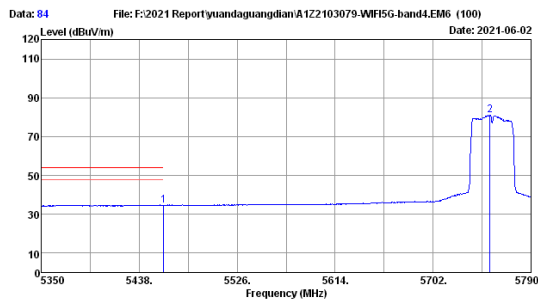
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 82  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : VERTICAL  
 Limit : FCC 15E PK U-NII-3  
 Env. / Ins. : 22.4°C/52.1% Engineer : Lynn  
 Test Mode : 11ac VHT40 5755MHz Tx Mode

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1   | 5460.00     | 33.34              | 1.49            | 46.95          | 34.50           | 47.28                   | 68.20           | 20.92       | Peak   |
| 2   | 5650.00     | 33.68              | 1.53            | 48.07          | 34.50           | 48.78                   | 68.20           | 19.42       | Peak   |
| 3   | 5700.00     | 33.74              | 1.54            | 47.47          | 34.50           | 48.25                   | 105.20          | 56.95       | Peak   |
| 4   | 5720.00     | 33.80              | 1.54            | 52.49          | 34.50           | 53.33                   | 110.80          | 57.47       | Peak   |
| 5   | 5725.00     | 33.80              | 1.55            | 52.51          | 34.50           | 53.36                   | 122.80          | 69.44       | Peak   |
| 6   | 5755.00     | 33.87              | 1.55            | 92.98          | 34.50           | 93.90                   | -----           | -----       | Peak   |

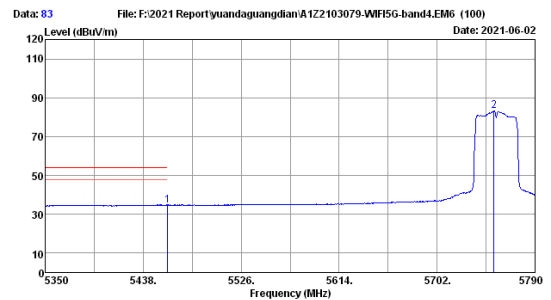
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 84  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : HORIZONTAL  
 Limit : FCC 15E AV  
 Env. / Ins. : 22.4°C/52.1% Engineer : Lynn  
 Test Mode : 11ac VHT40 5755MHz Tx Mode

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5460.00     | 33.34              | 1.49            | 34.35          | 34.50           | 34.68                   | 54.00           | 19.32       | Average |
| 2   | 5753.04     | 33.87              | 1.55            | 80.24          | 34.50           | 81.16                   | -----           | -----       | Average |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

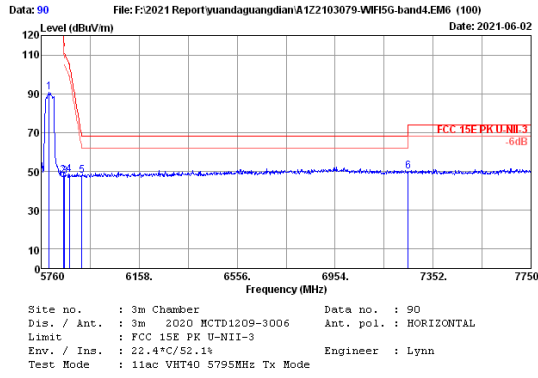


Site no. : 3m Chamber Data no. : 83  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : VERTICAL  
 Limit : FCC 15E AV  
 Env. / Ins. : 22.4°C/52.1% Engineer : Lynn  
 Test Mode : 11ac VHT40 5755MHz Tx Mode

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5460.00     | 33.34              | 1.49            | 34.40          | 34.50           | 34.73                   | 54.00           | 19.27       | Average |
| 2   | 5753.04     | 33.87              | 1.55            | 82.38          | 34.50           | 83.30                   | -----           | -----       | Average |

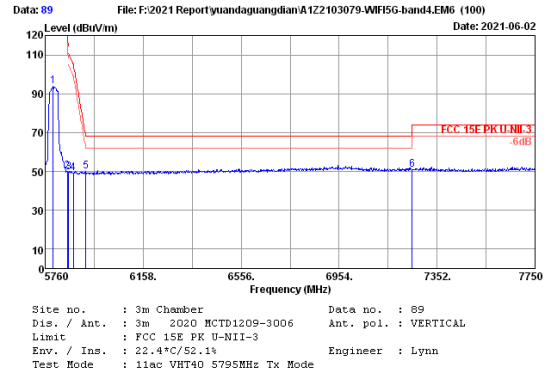
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: 2AZ3IMP250



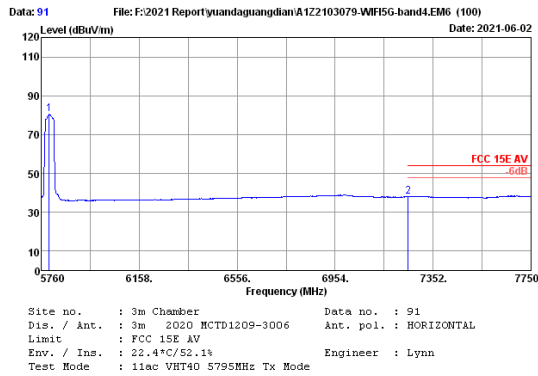
| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1   | 5791.84     | 33.93              | 1.56            | 90.00          | 34.50           | 90.99                   | -----           | -----       | Peak   |
| 2   | 5850.00     | 34.02              | 1.57            | 46.68          | 34.50           | 47.77                   | 122.20          | 74.43       | Peak   |
| 3   | 5855.00     | 34.05              | 1.57            | 46.08          | 34.50           | 47.20                   | 110.80          | 63.60       | Peak   |
| 4   | 5875.00     | 34.08              | 1.58            | 46.90          | 34.50           | 48.06                   | 105.20          | 57.14       | Peak   |
| 5   | 5925.00     | 34.18              | 1.58            | 46.60          | 34.50           | 47.86                   | 68.20           | 20.34       | Peak   |
| 6   | 7250.00     | 36.50              | 1.92            | 46.33          | 34.72           | 50.03                   | 68.20           | 18.17       | Peak   |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



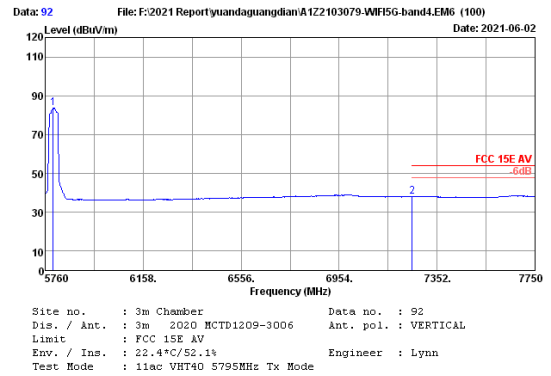
| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1   | 5791.84     | 33.93              | 1.56            | 92.87          | 34.50           | 93.86                   | -----           | -----       | Peak   |
| 2   | 5850.00     | 34.02              | 1.57            | 49.04          | 34.50           | 50.13                   | 122.20          | 72.07       | Peak   |
| 3   | 5855.00     | 34.05              | 1.57            | 48.27          | 34.50           | 49.39                   | 110.80          | 61.41       | Peak   |
| 4   | 5875.00     | 34.08              | 1.58            | 48.03          | 34.50           | 49.19                   | 105.20          | 56.01       | Peak   |
| 5   | 5925.00     | 34.18              | 1.58            | 48.85          | 34.50           | 50.11                   | 68.20           | 18.09       | Peak   |
| 6   | 7250.00     | 36.50              | 1.92            | 47.22          | 34.72           | 50.92                   | 68.20           | 17.28       | Peak   |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



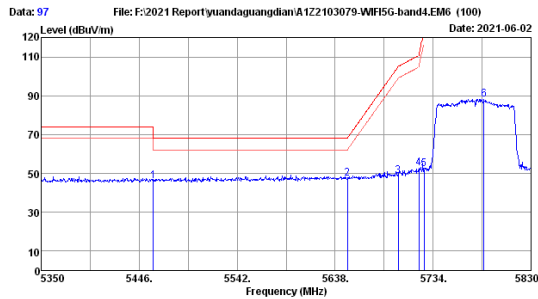
| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5791.84     | 33.93              | 1.56            | 79.59          | 34.50           | 80.58                   | -----           | -----       | Average |
| 2   | 7250.00     | 36.50              | 1.92            | 34.48          | 34.72           | 38.18                   | 54.00           | 15.82       | Average |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5791.84     | 33.93              | 1.56            | 82.85          | 34.50           | 83.84                   | -----           | -----       | Average |
| 2   | 7250.00     | 36.50              | 1.92            | 34.53          | 34.72           | 38.23                   | 54.00           | 15.77       | Average |

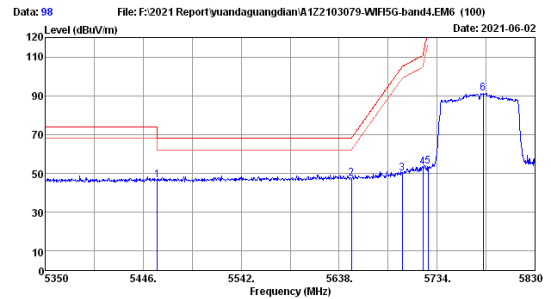
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 97  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : HORIZONTAL  
 Limit : FCC 15E PK U-NII-3  
 Env. / Ins. : 22.4°C/52.1% Engineer : Lynn  
 Test Mode : 11ac VHT80 5775MHz Tx Mode

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1   | 5460.00     | 33.34              | 1.49            | 45.83          | 34.50           | 46.16                   | 68.20           | 22.04       | Peak   |
| 2   | 5650.00     | 33.68              | 1.53            | 46.80          | 34.50           | 47.51                   | 68.20           | 20.69       | Peak   |
| 3   | 5700.00     | 33.74              | 1.54            | 48.06          | 34.50           | 48.84                   | 105.20          | 56.36       | Peak   |
| 4   | 5720.00     | 33.80              | 1.54            | 51.94          | 34.50           | 52.78                   | 110.80          | 58.02       | Peak   |
| 5   | 5725.00     | 33.80              | 1.55            | 51.34          | 34.50           | 52.19                   | 122.80          | 70.61       | Peak   |
| 6   | 5783.92     | 33.90              | 1.56            | 87.28          | 34.50           | 88.24                   | -----           | -----       | Peak   |

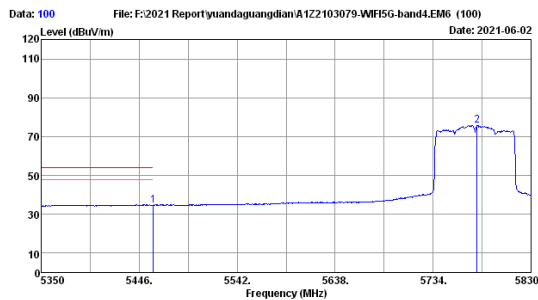
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 98  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : VERTICAL  
 Limit : FCC 15E PK U-NII-3  
 Env. / Ins. : 22.4°C/52.1% Engineer : Lynn  
 Test Mode : 11ac VHT80 5775MHz Tx Mode

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|--------|
| 1   | 5460.00     | 33.34              | 1.49            | 46.29          | 34.50           | 46.62                   | 68.20           | 21.58       | Peak   |
| 2   | 5650.00     | 33.68              | 1.53            | 46.79          | 34.50           | 47.50                   | 68.20           | 20.70       | Peak   |
| 3   | 5700.00     | 33.74              | 1.54            | 49.15          | 34.50           | 49.93                   | 105.20          | 55.27       | Peak   |
| 4   | 5720.00     | 33.80              | 1.54            | 52.24          | 34.50           | 53.08                   | 110.80          | 57.72       | Peak   |
| 5   | 5725.00     | 33.80              | 1.55            | 52.78          | 34.50           | 53.63                   | 122.80          | 69.17       | Peak   |
| 6   | 5779.12     | 33.90              | 1.56            | 90.37          | 34.50           | 91.33                   | -----           | -----       | Peak   |

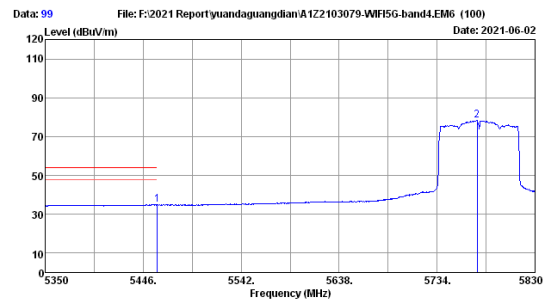
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 100  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : HORIZONTAL  
 Limit : FCC 15E AV  
 Env. / Ins. : 22.4°C/52.1% Engineer : Lynn  
 Test Mode : 11ac VHT80 5775MHz Tx Mode

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5460.00     | 33.34              | 1.49            | 34.37          | 34.50           | 34.70                   | 54.00           | 19.30       | Average |
| 2   | 5777.20     | 33.90              | 1.55            | 74.92          | 34.50           | 75.87                   | -----           | -----       | Average |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 99  
 Dis. / Ant. : 3m 2020 MCTD1209-3006 Ant. pol. : VERTICAL  
 Limit : FCC 15E AV  
 Env. / Ins. : 22.4°C/52.1% Engineer : Lynn  
 Test Mode : 11ac VHT80 5775MHz Tx Mode

| No. | Freq. (MHz) | Ant. Factor (dB/m) | Cable Loss (dB) | Reading (dBuV) | Amp factor (dB) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark  |
|-----|-------------|--------------------|-----------------|----------------|-----------------|-------------------------|-----------------|-------------|---------|
| 1   | 5460.00     | 33.34              | 1.49            | 34.54          | 34.50           | 34.87                   | 54.00           | 19.13       | Average |
| 2   | 5773.36     | 33.90              | 1.55            | 77.38          | 34.50           | 78.33                   | -----           | -----       | Average |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -amp factor.  
 2. The emission levels that are 20dB below the official limit are not reported.

## 6. 6dB & 26dB & 99% Bandwidth Test

### 6.1. Test Equipment

| Item | Equipment           | Manufacturer | Model No.    | Serial No. | Last Cal. | Cal. Interval |
|------|---------------------|--------------|--------------|------------|-----------|---------------|
| 1.   | PXA Signal Analyzer | Agilent      | N9030A       | MY51380221 | Apr.07,21 | 1 Year        |
| 2.   | Attenuator          | Agilent      | 8491B        | MY39269201 | Oct.12,20 | 1 Year        |
| 3.   | RF Cable            | Hubersuhner  | SUCOFLEX-106 | 505238/6   | Apr.07,21 | 1 Year        |

### 6.2. Limit

6dB Bandwidth should be not less than 500kHz

### 6.3. Test Procedure

#### 26dB Bandwidth:

Use the test method described in ANSI C63.10 clause 12.4.1:

- Set RBW = approximately 1% of the emission bandwidth.
- Set the VBW > RBW.
- Detector = Peak.
- Trace mode = max hold.
- Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

#### 6dB Bandwidth:

Use the test method described in 789033 D02 v02r01:

Section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 kHz for the band 5.725–5.85 GHz. The following procedure shall be used for measuring this bandwidth:

- Set RBW = 100kHz.
- Set the video bandwidth (VBW)  $\geq 3$ RBW.
- Detector = Peak.
- Trace mode = max hold
- Sweep = auto couple
- Allow the trace to stabilize
- Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission

Note: The automatic bandwidth measurement capability of a spectrum analyzer or EMI receiver may be employed if it implements the functionality described in this section. For devices that use channel aggregation refer to III.A and III.C for determining emission bandwidth.

**99% Occupied bandwidth:**

Use the test method described in ANSI C63.10 Section 6.9.2:

The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission. The following procedure shall be used for measuring 99% power bandwidth:

- a) The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.
- b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be approximately three times the RBW, unless otherwise specified by the applicable requirement.
- c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than  $[10 \log (OBW/RBW)]$  below the reference level. Specific guidance is given in 4.1.5.2.
- d) Step a) through step c) might require iteration to adjust within the specified range.
- e) Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
- f) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.
- g) If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies.
- h) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

**6.4. Test Results**

**U-NII-1 Band:**

|                       |                         |                          |
|-----------------------|-------------------------|--------------------------|
| EUT: Projector        |                         |                          |
| M/N: MP250            |                         |                          |
| Test date: 2021-06-02 | Pressure: 102.8±1.0 kpa | Humidity: 53.1±3.0%      |
| Tested by: Thomax     | Test site: RF site      | Temperature: 23.2±0.6 °C |

**26dB bandwidth:**

| Test Mode        | Frequency (MHz) | -26dB Bandwidth (MHz) | Limit (MHz) |
|------------------|-----------------|-----------------------|-------------|
| 11a              | 5180            | 21.30                 | N/A         |
|                  | 5200            | 21.22                 |             |
|                  | 5240            | 21.15                 |             |
| 11n HT20         | 5180            | 21.32                 | N/A         |
|                  | 5200            | 21.46                 |             |
|                  | 5240            | 21.62                 |             |
| 11n HT40         | 5190            | 39.41                 | N/A         |
|                  | 5230            | 39.60                 |             |
| 11ac VHT20       | 5180            | 21.40                 | N/A         |
|                  | 5200            | 21.33                 |             |
|                  | 5240            | 21.37                 |             |
| 11ac VHT40       | 5190            | 39.22                 | N/A         |
|                  | 5230            | 39.35                 |             |
| 11ac VHT80       | 5210            | 80.95                 | N/A         |
| Conclusion: PASS |                 |                       |             |

**99% Occupied bandwidth:**

| Test Mode        | Frequency ( MHz ) | 99% bandwidth (MHz) | Limit (KHz) |
|------------------|-------------------|---------------------|-------------|
| 11a              | 5180              | 16.693              | N/A         |
|                  | 5200              | 16.669              | N/A         |
|                  | 5240              | 16.653              | N/A         |
| 11n HT20         | 5180              | 17.783              | N/A         |
|                  | 5200              | 17.795              | N/A         |
|                  | 5240              | 17.813              | N/A         |
| 11n HT40         | 5190              | 36.184              | N/A         |
|                  | 5230              | 36.165              | N/A         |
| 11ac VHT20       | 5180              | 17.788              | N/A         |
|                  | 5200              | 17.848              | N/A         |
|                  | 5240              | 17.775              | N/A         |
| 11ac VHT40       | 5190              | 36.215              | N/A         |
|                  | 5230              | 36.192              | N/A         |
| 11ac VHT80       | 5210              | 75.450              | N/A         |
| Conclusion: PASS |                   |                     |             |

**U-NII-3 Band:**

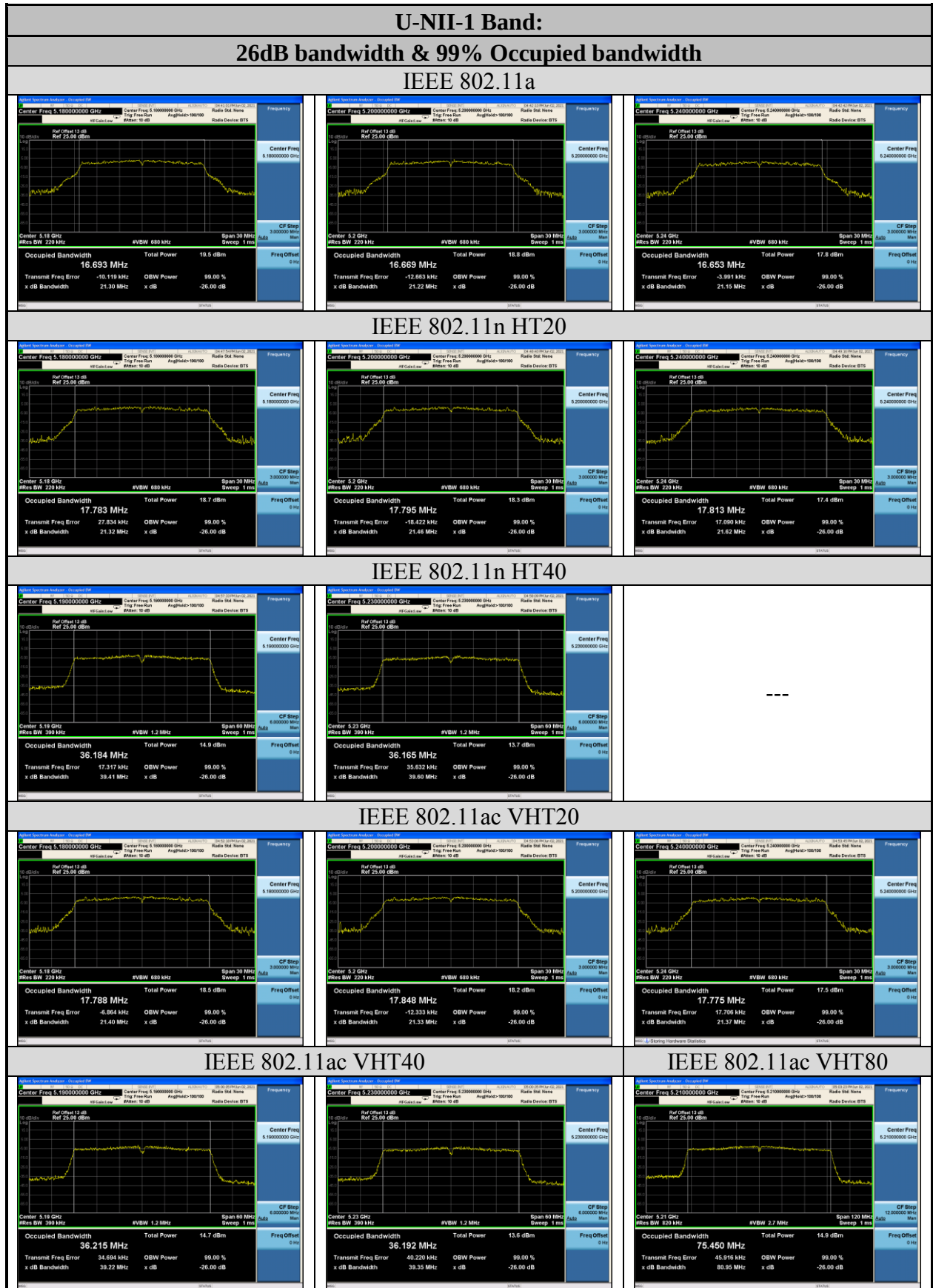
|                       |                         |                          |
|-----------------------|-------------------------|--------------------------|
| EUT: Projector        |                         |                          |
| M/N: MP250            |                         |                          |
| Test date: 2021-06-02 | Pressure: 102.6±1.0 kpa | Humidity: 53.1±3.0%      |
| Tested by: Thomax     | Test site: RF site      | Temperature: 22.9±0.6 °C |

**6dB bandwidth:**

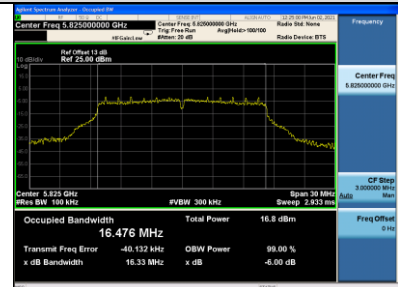
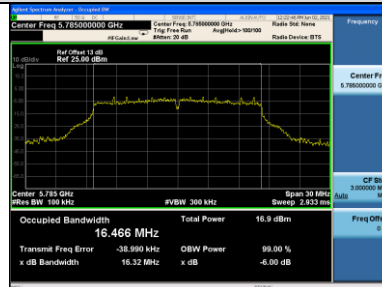
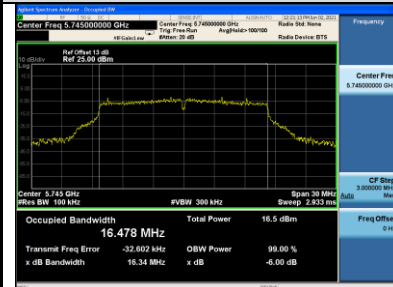
| Test Mode        | Frequency (MHz) | -6dB Bandwidth (MHz) | Limit (KHz) |
|------------------|-----------------|----------------------|-------------|
| 11a              | 5745            | 16.34                | ≥500        |
|                  | 5785            | 16.32                |             |
|                  | 5825            | 16.33                |             |
| 11n<br>HT20      | 5745            | 17.32                | ≥500        |
|                  | 5785            | 16.55                |             |
|                  | 5825            | 16.93                |             |
| 11n<br>HT40      | 5755            | 35.52                | ≥500        |
|                  | 5795            | 35.77                |             |
| 11ac<br>VHT20    | 5745            | 16.91                | ≥500        |
|                  | 5785            | 17.20                |             |
|                  | 5825            | 17.14                |             |
| 11ac<br>VHT40    | 5755            | 35.61                | ≥500        |
|                  | 5795            | 35.81                |             |
| 11ac<br>VHT80    | 5775            | 75.33                | ≥500        |
| Conclusion: PASS |                 |                      |             |

**26dB bandwidth:**

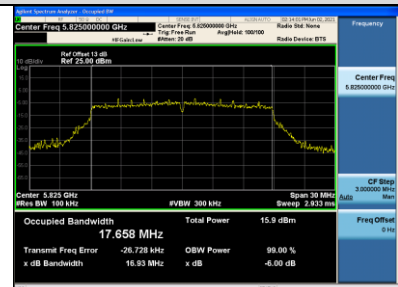
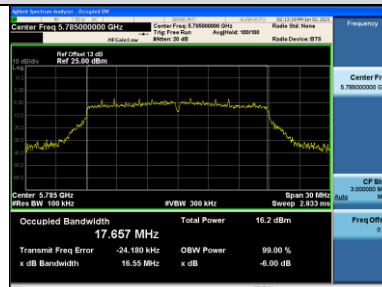
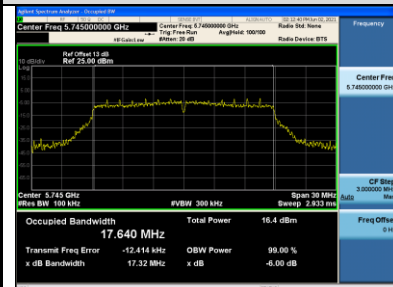
| Test Mode        | Frequency (MHz) | -26dB Bandwidth (MHz) | Limit (KHz) |
|------------------|-----------------|-----------------------|-------------|
| 11a              | 5745            | 21.04                 | N/A         |
|                  | 5785            | 21.06                 |             |
|                  | 5825            | 21.07                 |             |
| 11n<br>HT20      | 5745            | 21.51                 | N/A         |
|                  | 5785            | 21.36                 |             |
|                  | 5825            | 21.50                 |             |
| 11n<br>HT40      | 5755            | 39.42                 | N/A         |
|                  | 5795            | 39.52                 |             |
| 11ac<br>VHT20    | 5745            | 21.31                 | N/A         |
|                  | 5785            | 21.38                 |             |
|                  | 5825            | 21.48                 |             |
| 11ac<br>VHT40    | 5755            | 39.41                 | N/A         |
|                  | 5795            | 39.50                 |             |
| 11ac<br>VHT80    | 5775            | 80.78                 | N/A         |
| Conclusion: PASS |                 |                       |             |



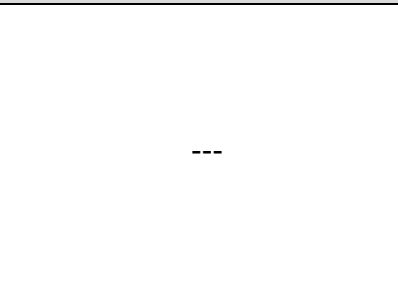
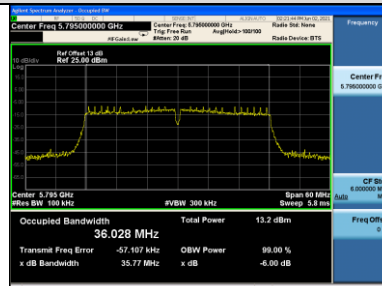
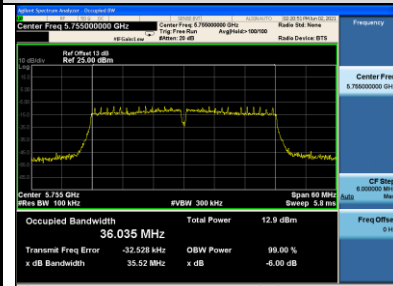
## U-NII-3 Band: 6dB bandwidth IEEE 802.11a



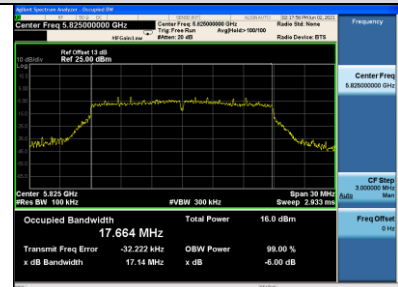
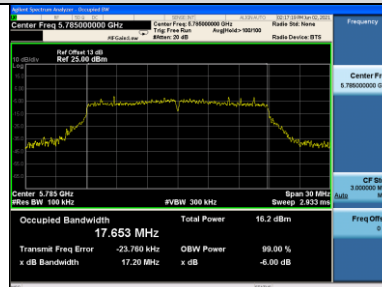
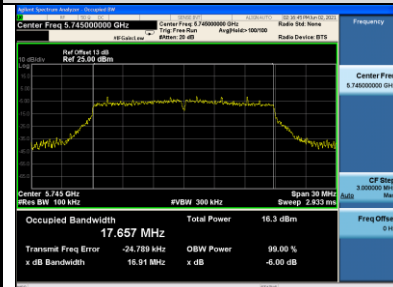
## IEEE 802.11n HT20



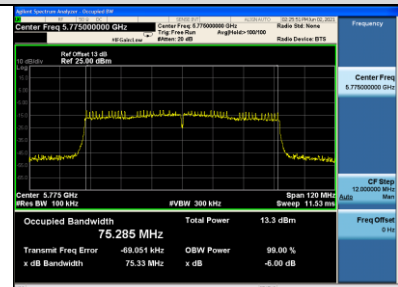
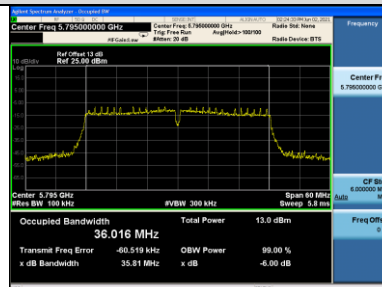
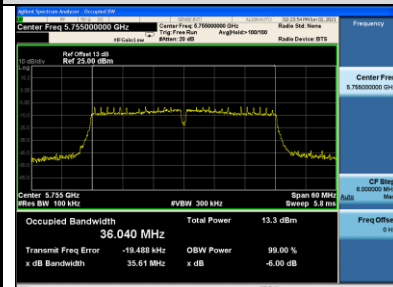
## IEEE 802.11n HT40



## IEEE 802.11ac VHT20



## IEEE 802.11ac VHT40



## IEEE 802.11ac VHT80