# TEST REPORT

## CERTIFICATE OF CONFORMITY

| | |
|---|---|
| **Standard:** | **47 CFR FCC Part 15, Subpart E (Section 15.407)** |
| **Report No.:** | RFBBQZ-WTW-P22010396-1 |
| **FCC ID:** | PY322100555 |
| **Model No.:** | RAX50v2, RAX43v2, XR1000v2 |
| **Series Model:** | RAX42v2, RAX41v2 |
| **Received Date:** | 2022/1/7 |
| **Test Date:** | 2022/1/7 ~ 2022/5/3 |
| **Issued Date:** | 2022/5/13 |
| **Applicant and Manufacturer:** | NETGEAR, Inc. |
| **Address:** | 350 East Plumeria Drive San Jose, CA 95134 |
| **Issued By:** | Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory |
| **Lab Address:** | E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan |
| **Test Location:** | E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan |
| **FCC Registration / Designation Number:** | 723255 / TW2022 |

**Approved by:** _____ , **Date:** 2022/5/13

May Chen / Manager

This test report consists of 300 pages in total. It may be duplicated completely for legal use with the approval of the applicant. It should not be reproduced except in full, without the written approval of our laboratory. The test results in the report only apply to the tested sample. The test results in this report are traceable to the national or international standards.

Prepared by : Vivian Huang / Specialist

# Table of Contents

# Release Control Record

| Issue No. | Description | Date Issued |
|---|---|---|
| RFBBQZ-WTW-P22010396-1 | Original release. | 2022/5/13 |

# 1 Certificate

| | |
|---|---|
| **Product:** | NIGHTHAWK AX6 AX5400 6-Stream WiFi Router,<br>NIGHTHAWK AX5 AX4200 5-Stream WiFi Router,<br>NIGHTHAWK AX5 AX3600 5-Stream WiFi Router,<br>NIGHTHAWK Pro Gaming Router |
| **Brand:** | NETGEAR |
| **Test Model:** | RAX50v2, RAX43v2, XR1000v2 |
| **Series Model:** | RAX42v2, RAX41v2 |
| **Sample Status:** | Engineering sample |
| **Applicant and Manufacturer:** | NETGEAR, Inc. |
| **Test Date:** | 2022/1/7 ~ 2022/5/3 |
| **Standard:** | 47 CFR FCC Part 15, Subpart E (Section 15.407) |
| **Measurement procedure:** | ANSI C63.10-2013<br>KDB 789033 D02 General UNII Test Procedure New Rules v02r01<br>KDB 662911 D01 Multiple Transmitter Output v02r01 |

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

## 2 Summary of Test Results

| 47 CFR FCC Part 15, Subpart E (Section 15.407) | | | |
|---|---|---|---|
| Clause | Test Item | Result | Remark |
| 15.407(a)(2) | 26 dB Bandwidth | - | For U-NII-2A U-NII-2C Band output power limitation is determined based on 26dBc bandwidth. |
| 15.407(a)(1/2/3) | RF Output Power | Pass | Meet the requirement of limit. |
| 15.407(a)(1/2/3) | Power Spectral Density | Pass | Meet the requirement of limit. |
| 15.407(e) | 6 dB Bandwidth | Pass | Meet the requirement of limit. (U-NII-3 Band only) |
| --- | Occupied Bandwidth | - | Reference only. |
| 15.407(g) | Frequency Stability | Pass | Meet the requirement of limit. |
| 15.407(b)(9) | AC Power Conducted Emissions | Pass | Minimum passing margin is -15.04 dB at 0.15391, 0.15473 MHz |
| 15.407(b)(9) | Unwanted Emissions below 1 GHz | Pass | Minimum passing margin is -5.1 dB at 439.69 MHz |
| 15.407(b) (1/2/3/4(i)/10) | Unwanted Emissions above 1 GHz | Pass | Minimum passing margin is -0.1 dB at 5142.00, 5146.37, 5351.59, 5352.80, 5352.82, 5461.07, 5648.00, 5725.00 MHz |
| 15.203 | Antenna Requirement | Pass | Antenna connector is R-SMA not a standard connector. |

Note: Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

### 2.1 Measurement Uncertainty

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

| Measurement | Specification | Expanded Uncertainty (k=2) (±) |
|---|---|---|
| AC Power Conducted Emissions | 150 kHz ~ 30 MHz | 1.9 dB |
| Unwanted Emissions below 1 GHz | 9 kHz ~ 30 MHz | 3.1 dB |
| | 30 MHz ~ 1 GHz | 5.5 dB |
| Unwanted Emissions above 1 GHz | 1 GHz ~ 18 GHz | 5.1 dB |
| | 18 GHz ~ 40 GHz | 5.3 dB |

The other instruments specified are routine verified to remain within the calibrated levels, no measurement uncertainty is required to be calculated.

### 2.2 Supplementary Information

There is not any deviation from the test standards for the test method, and no modifications required for compliance.

# 3 General Information

## 3.1 General Description of EUT

| | |
|---|---|
| Product | NIGHTHAWK AX6 AX5400 6-Stream WiFi Router,<br>NIGHTHAWK AX5 AX4200 5-Stream WiFi Router,<br>NIGHTHAWK AX5 AX3600 5-Stream WiFi Router,<br>NIGHTHAWK Pro Gaming Router |
| Brand | NETGEAR |
| Test Model | RAX50v2, RAX43v2, XR1000v2 |
| Series Model | RAX42v2, RAX41v2 |
| FW Version | V1.1.0.5_2.15.1 |
| Status of EUT | Engineering sample |
| Power Supply Rating | 12Vdc from adapter |
| Modulation Type | 64QAM, 16QAM, QPSK, BPSK for OFDM<br>256QAM for OFDM in 11ac mode<br>1024QAM for OFDMA in 11ax HE mode |
| Modulation Technology | OFDM, OFDMA |
| Transfer Rate | 802.11a: up to 54 Mbps<br>802.11n: up to 600 Mbps<br>802.11ac: up to 3466.7 Mbps<br>802.11ax: up to 4803.9 Mbps |
| Operating Frequency | 5180 ~ 5250 MHz<br>5260 ~ 5320 MHz<br>5500 ~ 5720 MHz<br>5745 ~ 5825 MHz |
| Number of Channel | 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 25<br>802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 12<br>802.11ac (VHT80), 802.11ax (HE80): 6<br>802.11ac (VHT160), 802.11ax (HE160): 2 |
| Output Power | **Mode A**<br>**CDD Mode**<br>5180 ~ 5250 MHz : 911.214 mW (29.6 dBm)<br>5260 ~ 5320 MHz : 247.599 mW (23.94 dBm)<br>5500 ~ 5720 MHz : 243.967 mW (23.87 dBm)<br>5745 ~ 5825 MHz : 954.027 mW (29.80 dBm)<br>**Beamforming Mode**<br>5180 ~ 5250 MHz : 856.196 mW (29.33 dBm)<br>5260 ~ 5320 MHz : 213.155 mW (23.29 dBm)<br>5500 ~ 5720 MHz : 214.256 mW (23.31 dBm)<br>5745 ~ 5825 MHz : 853.753 mW (29.31 dBm)<br>**Mode B**<br>**CDD Mode**<br>5180 ~ 5250 MHz : 900.909 mW (29.55 dBm)<br>5260 ~ 5320 MHz : 240.517 mW (23.81 dBm)<br>5500 ~ 5720 MHz : 245.756 mW (23.91 dBm)<br>5745 ~ 5825 MHz : 981.949 mW (29.92 dBm)<br>**Beamforming Mode**<br>5180 ~ 5250 MHz : 900.909 mW (29.55 dBm)<br>5260 ~ 5320 MHz : 227.048 mW (23.56 dBm)<br>5500 ~ 5720 MHz : 240.692 mW (23.81 dBm)<br>5745 ~ 5825 MHz : 954.561 mW (29.80 dBm) |
| EUT Category | Indoor Access Point |

Note:

1. The EUT has below model names which are identical to each other in all aspects except for the following table:

| Product Name | Model Name | Description |
|---|---|---|
| NIGHTHAWK AX6 AX5400 6-Stream WiFi Router | RAX50v2 | 2.4GHz 2x2, 5G 4x4 |
| NIGHTHAWK AX5 AX4200 5-Stream WiFi Router | RAX43v2 | 2.4GHz 2x2, 5G 3X3, (de-pop 1 RF chain from RAX50v2) |
| NIGHTHAWK AX5 AX4200 5-Stream WiFi Router | RAX42v2 | 2.4GHz 2x2, 5G 3X3, (de-pop 1 RF chain from RAX50v2) |
| NIGHTHAWK AX5 AX3600 5-Stream WiFi Router | RAX41v2 | 2.4GHz 2x2, 5G 3X3, (de-pop 1 RF chain from RAX50v2) |
| NIGHTHAWK Pro Gaming Router | XR1000v2 | XR1000v2 has a different housing with a different antenna and new functions like Geo-filter, new QoS, and network monitor.<br>Note: RF function and MIMO spec is same as RAX50v2 |
| Note: From the above models, model: **RAX50v2, RAX43v2, XR1000v2** were selected as representative model for the test and its data was recorded in this report. | | |

2. The EUT has below radios as following table:

| Radio 1 | Radio 2 |
|---|---|
| WLAN 2.4GHz | WLAN 5GHz |

3. Simultaneously transmission condition.

| Condition | Technology | |
|---|---|---|
| 1 | WLAN 2.4GHz | WLAN 5GHz |
| Note: The emission of the simultaneous operation has been evaluated and no non-compliance was found. | | |

4. The EUT uses following accessories.

| **AC Adapter 1** | | | |
|---|---|---|---|
| Brand | Model | Part Number | Specification |
| NETGEAR | ADS-40FPA-12 | 332-11525-02 | AC Input : 100-120 50/60 1.0A<br>DC Output : 12V 2.5A<br>DC Output Cable : 1.8m non-shielded and without core<br>Plug : FCC/Canada/Taiwan |
| **AC Adapter 2** | | | |
| Brand | Model | Part Number | Specification |
| NETGEAR | 2ABL030F 1 NA | 332-10758-02 | AC Input : 100-120V 50/60Hz 1.0A<br>DC Output : 12V 2.5A<br>DC Output Cable : 1.8m non-shielded and without core<br>Plug : FCC/Canada/Taiwan |

| **RJ45 Cable** | | |
|---|---|---|
| Brand | Model | Specification |
| NETGEAR | N/A | Signal Line : 1.8 m |

5. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

### 3.2 Antenna Description of EUT

1. The directional antenna gain, please refer to the following table:

| Model: RAX50v2, XR1000v2 | | | |
|---|---|---|---|
| Frequency Range (GHz) | Directional Antenna Gain (dBi) | Antenna Type | Antenna Connector |
| 2.4~2.4835 | 3.73 | Dipole | R-SMA |
| 5.15 ~ 5.25 | 6.65 | | |
| 5.25 ~ 5.35 | 6.69 | | |
| 5.47 ~ 5.725 | 6.27 | | |
| 5.725 ~ 5.85 | 6.57 | | |
| Model: RAX43v2 | | | |
| Frequency Range (GHz) | Directional Antenna Gain (dBi) | Antenna Type | Antenna Connector |
| 2.4~2.4835 | 3.73 | Dipole | R-SMA |
| 5.15 ~ 5.25 | 5.87 | | |
| 5.25 ~ 5.35 | 6.4 | | |
| 5.47 ~ 5.725 | 6.16 | | |
| 5.725 ~ 5.85 | 6.18 | | |
| Note: More detailed information, please refer to antenna specification. | | | |

2. The EUT incorporates a MIMO function:

| **5 GHz Band** | | |
|---|---|---|
| **Model: RAX50v2, XR1000v2** | | |
| **MODULATION MODE** | **TX & RX CONFIGURATION** | |
| **802.11a** | 4TX | 4RX |
| **802.11n (HT20)** | 4TX | 4RX |
| **802.11n (HT40)** | 4TX | 4RX |
| **802.11ac (VHT20)** | 4TX | 4RX |
| **802.11ac (VHT40)** | 4TX | 4RX |
| **802.11ac (VHT80)** | 4TX | 4RX |
| **802.11ac (VHT160)** | 4TX | 4RX |
| **802.11ax (HE20)** | 4TX | 4RX |
| **802.11ax (HE40)** | 4TX | 4RX |
| **802.11ax (HE80)** | 4TX | 4RX |
| **802.11ax (HE160)** | 4TX | 4RX |
| **Model: RAX43v2** | | |
| **MODULATION MODE** | **TX & RX CONFIGURATION** | |
| **802.11a** | 3TX | 3RX |
| **802.11n (HT20)** | 3TX | 3RX |
| **802.11n (HT40)** | 3TX | 3RX |
| **802.11ac (VHT20)** | 3TX | 3RX |
| **802.11ac (VHT40)** | 3TX | 3RX |
| **802.11ac (VHT80)** | 3TX | 3RX |
| **802.11ac (VHT160)** | 3TX | 3RX |
| **802.11ax (HE20)** | 3TX | 3RX |
| **802.11ax (HE40)** | 3TX | 3RX |
| **802.11ax (HE80)** | 3TX | 3RX |
| **802.11ax (HE160)** | 3TX | 3RX |

Note:
1. All of modulation mode support beamforming function except 802.11a modulation mode.
2. The EUT support Beamforming and CDD mode, therefore both mode were investigated and the worst case scenario was identified. The worst case data were presented in test report.
3. The modulation and bandwidth are similar for 802.11n mode for 20 MHz (40 MHz), 802.11ac mode for 20 MHz (40 MHz, 80 MHz, 160 MHz) and 802.11ax mode for 20 MHz (40MHz, 80MHz, 160 MHz), therefore the manufacturer will control the power for 802.11n/ac mode is the same as the 802.11ax or more lower than it and investigated worst case to representative mode in test report.

### 3.3 Channel List

**FOR 5180 ~ 5320 MHz**

8 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20) and 802.11ax (HE20):

| Channel | Frequency | Channel | Frequency |
|---|---|---|---|
| 36 | 5180 MHz | 52 | 5260 MHz |
| 40 | 5200 MHz | 56 | 5280 MHz |
| 44 | 5220 MHz | 60 | 5300 MHz |
| 48 | 5240 MHz | 64 | 5320 MHz |

4 channels are provided for 802.11n (HT40), 802.11ac (VHT40) and 802.11ax (HE40):

| Channel | Frequency | Channel | Frequency |
|---|---|---|---|
| 38 | 5190 MHz | 54 | 5270 MHz |
| 46 | 5230 MHz | 62 | 5310 MHz |

2 channels are provided for 802.11ac (VHT80) and 802.11ax (HE80):

| Channel | Frequency | Channel | Frequency |
|---|---|---|---|
| 42 | 5210 MHz | 58 | 5290 MHz |

1 straddle channel is provided for 802.11ac (VHT160), 802.11ax (HE160):

| Channel | Frequency |
|---|---|
| 50 | 5250 MHz |

**FOR 5500 ~ 5720 MHz**

12 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20) and 802.11ax (HE20):

| Channel | Frequency | Channel | Frequency |
|---|---|---|---|
| 100 | 5500 MHz | 124 | 5620 MHz |
| 104 | 5520 MHz | 128 | 5640 MHz |
| 108 | 5540 MHz | 132 | 5660 MHz |
| 112 | 5560 MHz | 136 | 5680 MHz |
| 116 | 5580 MHz | 140 | 5700 MHz |
| 120 | 5600 MHz | 144 | 5720 MHz |

6 channels are provided for 802.11n (HT40), 802.11ac (VHT40) and 802.11ax (HE40):

| Channel | Frequency | Channel | Frequency |
|---|---|---|---|
| 102 | 5510 MHz | 126 | 5630 MHz |
| 110 | 5550 MHz | 134 | 5670 MHz |
| 118 | 5590 MHz | 142 | 5710 MHz |

3 channels are provided for 802.11ac (VHT80) and 802.11ax (HE80):

| Channel | Frequency | Channel | Frequency |
|---|---|---|---|
| 106 | 5530 MHz | 138 | 5690 MHz |
| 122 | 5610 MHz | | |

1 straddle channel is provided for 802.11ac (VHT160), 802.11ax (HE160):

| Channel | Frequency |
|---|---|
| 114 | 5570 MHz |

**FOR 5745 ~ 5825 MHz:**

5 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20) and 802.11ax (HE20):

| Channel | Frequency | Channel | Frequency |
|---|---|---|---|
| 149 | 5745 MHz | 161 | 5805 MHz |
| 153 | 5765 MHz | 165 | 5825 MHz |
| 157 | 5785 MHz | | |

2 channels are provided for 802.11n (HT40), 802.11ac (VHT40) and 802.11ax (HE40):

| Channel | Frequency | Channel | Frequency |
|---|---|---|---|
| 151 | 5755 MHz | 159 | 5795 MHz |

1 channel is provided for 802.11ac (VHT80) and 802.11ax (HE80):

| Channel | Frequency |
|---|---|
| 155 | 5775 MHz |

### 3.4 Test Mode Applicability and Tested Channel Detail

| | |
|---|---|
| Pre-Scan: | 1. The AC Adapter has the following models: ADS-40FPA-12/2ABL030F 1 NA. Pre-scan these models of AC Adapters and find the worst case as a representative test condition.<br>2. EUT can be used in the following ways: Lying/ Wall Mount. Pre-scan in these ways and find the worst case as a representative test condition. |
| Worst Case: | 1. AC Adapter Worst Condition: ADS-40FPA-12<br>2. Lying/ Wall Mount Worst Condition: Lying<br>3. Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture). |

Following channel(s) was (were) selected for the final test as listed below:

| Test Item | EUT Configure Mode | Mode | Signal Mode | Tested Channel | Modulation | Data Rate Parameter |
|---|---|---|---|---|---|---|
| AC Power Conducted Emissions | A,B,C | 802.11ax (HE20) | CDD | 40 | BPSK | MCS0 |
| Unwanted Emissions below 1 GHz | A,B,C | 802.11ax (HE20) | CDD | 40 | BPSK | MCS0 |
| Unwanted Emissions above 1 GHz | A,B | 802.11a | CDD | 36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165 | BPSK | 6Mb/s |
| | | 802.11ax (HE20) | CDD | 36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165 | BPSK | MCS0 |
| | | 802.11ax (HE40) | CDD | 38, 46, 54, 62, 102, 110, 134, 142, 151, 159 | BPSK | MCS0 |
| | | 802.11ax (HE80) | CDD | 42, 58, 106, 122, 138, 155 | BPSK | MCS0 |
| | | 802.11ax (HE160) | CDD | 50, 114 | BPSK | MCS0 |
| RF Output Power | A,B | 802.11a | CDD | 36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165 | BPSK | 6Mb/s |
| | | 802.11ax (HE20) | CDD & Beamforming | 36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165 | BPSK | MCS0 |
| | | 802.11ax (HE40) | CDD & Beamforming | 38, 46, 54, 62, 102, 110, 134, 142, 151, 159 | BPSK | MCS0 |
| | | 802.11ax (HE80) | CDD & Beamforming | 42, 58, 106, 122, 138, 155 | BPSK | MCS0 |
| | | 802.11ax (HE160) | CDD & Beamforming | 50, 114 | BPSK | MCS0 |

| | | | | | | |
|---|---|---|---|---|---|---|
| Power Spectral Density | A,B | 802.11a | CDD | 36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165 | BPSK | 6Mb/s |
| | | 802.11ax (HE20) | CDD | 36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165 | BPSK | MCS0 |
| | | 802.11ax (HE40) | CDD | 38, 46, 54, 62, 102, 110, 134, 142, 151, 159 | BPSK | MCS0 |
| | | 802.11ax (HE80) | CDD | 42, 58, 106, 122, 138, 155 | BPSK | MCS0 |
| | | 802.11ax (HE160) | CDD | 50, 114 | BPSK | MCS0 |
| Occupied Bandwidth | A,B | 802.11a | CDD | 36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165 | BPSK | 6Mb/s |
| | | 802.11ax (HE20) | CDD | 36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165 | BPSK | MCS0 |
| | | 802.11ax (HE40) | CDD | 38, 46, 54, 62, 102, 110, 134, 142, 151, 159 | BPSK | MCS0 |
| | | 802.11ax (HE80) | CDD | 42, 58, 106, 122, 138, 155 | BPSK | MCS0 |
| | | 802.11ax (HE160) | CDD | 50, 114 | BPSK | MCS0 |
| 26 dB Bandwidth | A,B | 802.11a | CDD | 36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165 | BPSK | 6Mb/s |
| | | 802.11ax (HE20) | CDD | 36, 40, 48, 52, 60, 64, 100, 116, 140, 144, 149, 157, 165 | BPSK | MCS0 |
| | | 802.11ax (HE40) | CDD | 38, 46, 54, 62, 102, 110, 134, 142, 151, 159 | BPSK | MCS0 |
| | | 802.11ax (HE80) | CDD | 42, 58, 106, 122, 138, 155 | BPSK | MCS0 |
| | | 802.11ax (HE160) | CDD | 50, 114 | BPSK | MCS0 |

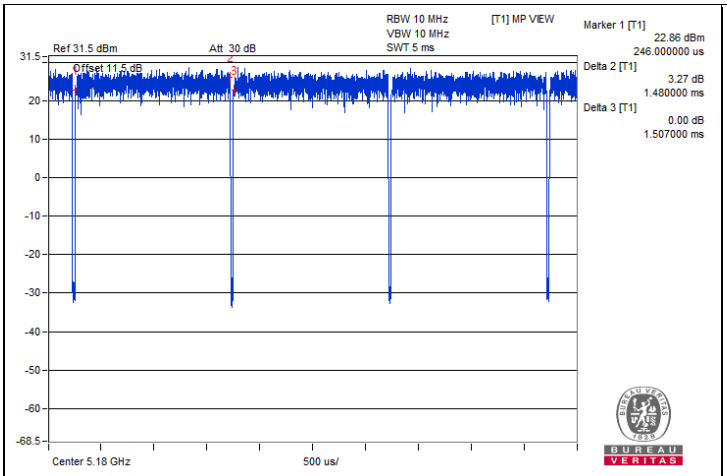
| | | | | | | |
|---|---|---|---|---|---|---|
| 6 dB Bandwidth | A,B | 802.11a | CDD | 144, 149, 157, 165 | BPSK | 6Mb/s |
| | | 802.11ax (HE20) | CDD | 144, 149, 157, 165 | BPSK | MCS0 |
| | | 802.11ax (HE40) | CDD | 142, 151, 159 | BPSK | MCS0 |
| | | 802.11ax (HE80) | CDD | 138, 155 | BPSK | MCS0 |
| Frequency Stability | A,B | 802.11a | - | 36 | un-modulation | - |
| EUT Configure Mode: | A | RAX50v2 | | | | |
| | B | RAX43v2 | | | | |
| | C | XR1000v2 | | | | |

### 3.5 Duty Cycle of Test Signal

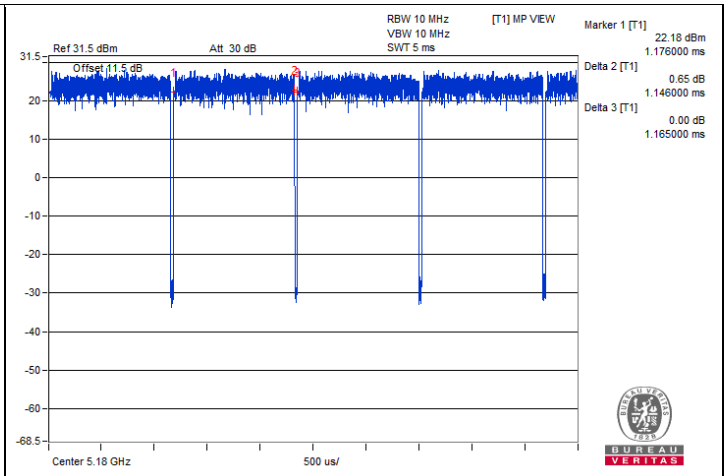
**Mode A**

Duty cycle of test signal is >= 98 %, duty factor is not required.
Duty cycle of test signal is < 98 %, duty factor shall be considered.

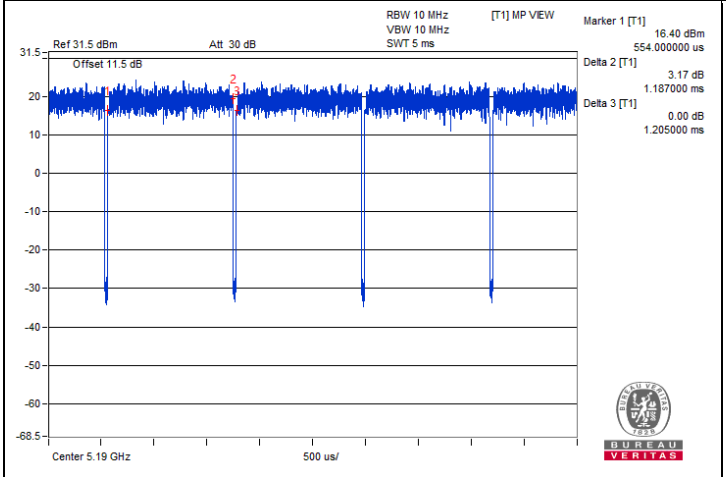
**802.11a:** Duty cycle = 1.48 ms / 1.507 ms x 100 % = 98.2 %
**802.11ax (HE20):** Duty cycle = 1.146 ms / 1.165 ms x 100 % = 98.4 %
**802.11ax (HE40):** Duty cycle = 1.187 ms / 1.205 ms x 100 % = 98.5 %
**802.11ax (HE80):** Duty cycle = 1.223 ms / 1.246 ms x 100 % = 98.2 %
**802.11ax (HE160):** Duty cycle = 1.224 ms / 1.246 ms x 100 % = 98.2 %



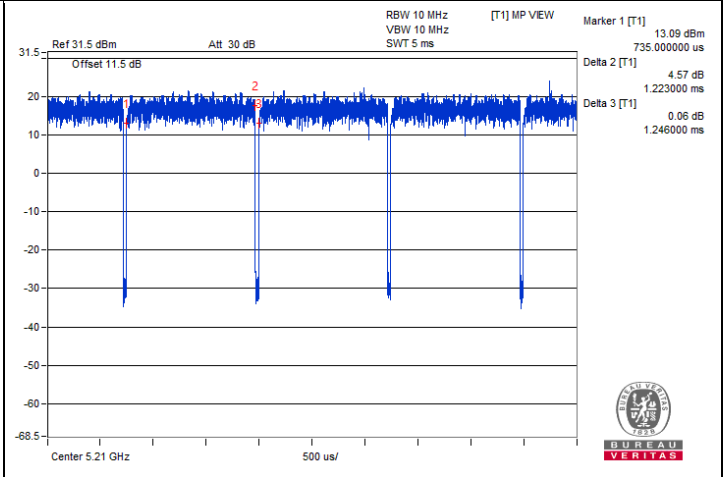

802.11a



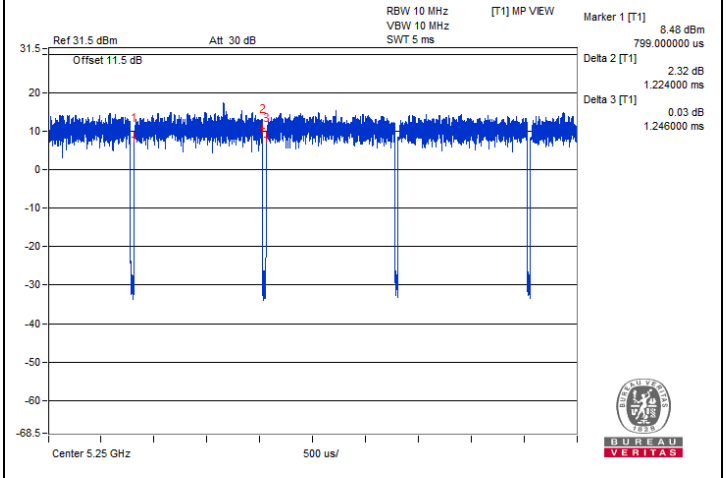

802.11ax (HE20)




802.11ax (HE40)




802.11ax (HE80)

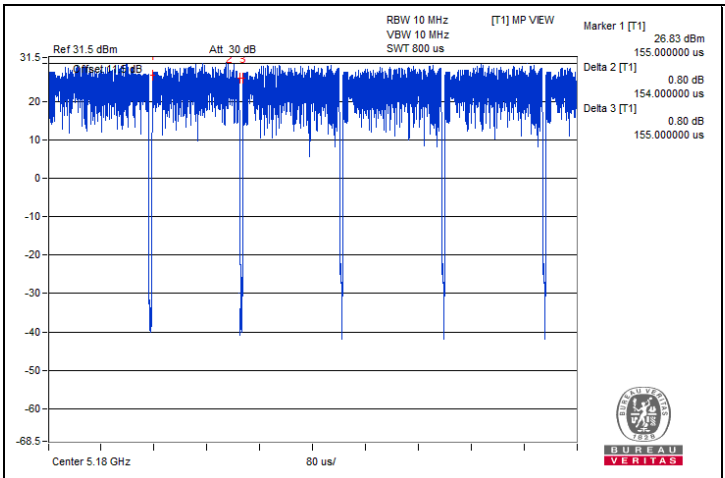



802.11ax (HE160)

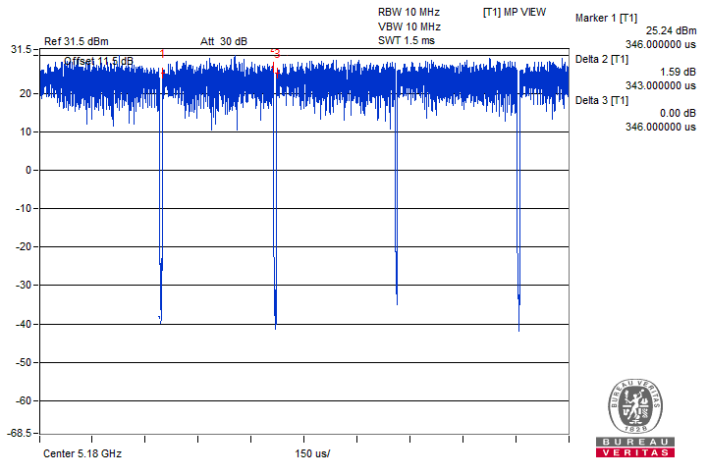
## Mode B

Duty cycle of test signal is >= 98 %, duty factor is not required.
Duty cycle of test signal is < 98 %, duty factor shall be considered.

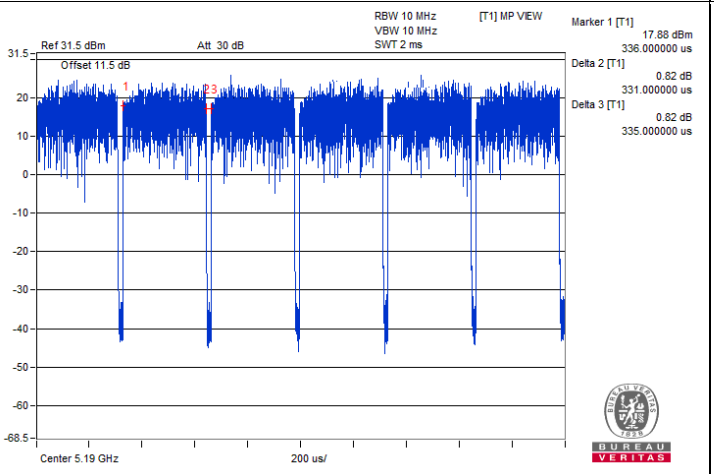
**802.11a:** Duty cycle = 0.154 ms / 0.155 ms x 100% = 99.4%
**802.11ax (HE20):** Duty cycle = 0.343 ms / 0.346 ms x 100% = 99.1%
**802.11ax (HE40):** Duty cycle = 0.331 ms / 0.335 ms x 100% = 98.8%
**802.11ax (HE80):** Duty cycle = 0.319 ms / 0.323 ms x 100% = 98.8%
**802.11ax (HE160):** Duty cycle = 1.622 ms / 1.652 ms x 100% = 98.2%



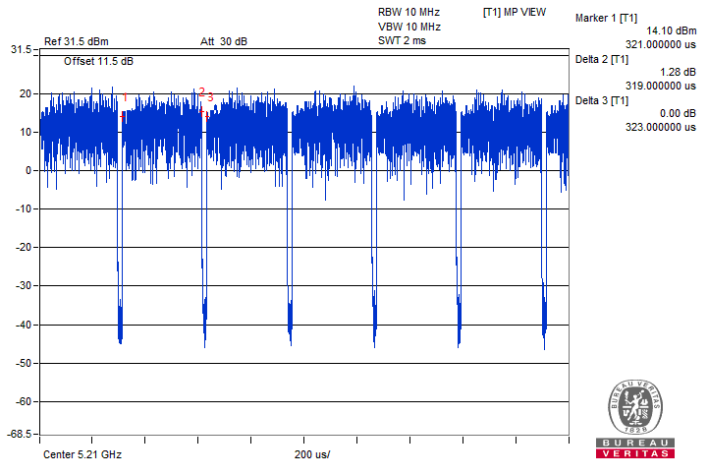

802.11a



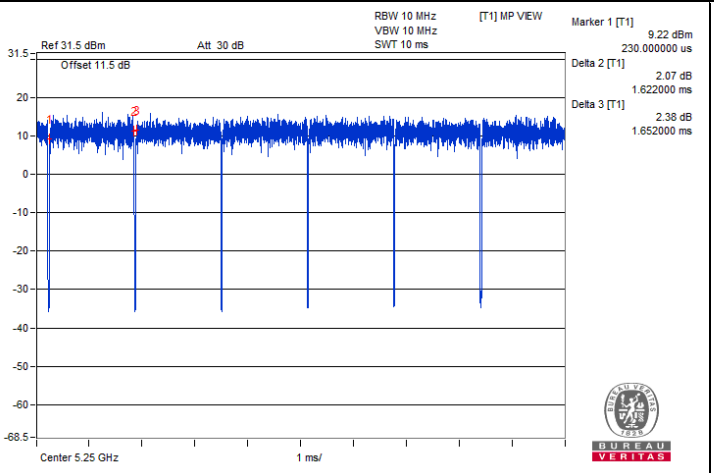

802.11ax (HE20)




802.11ax (HE40)




802.11ax (HE80)

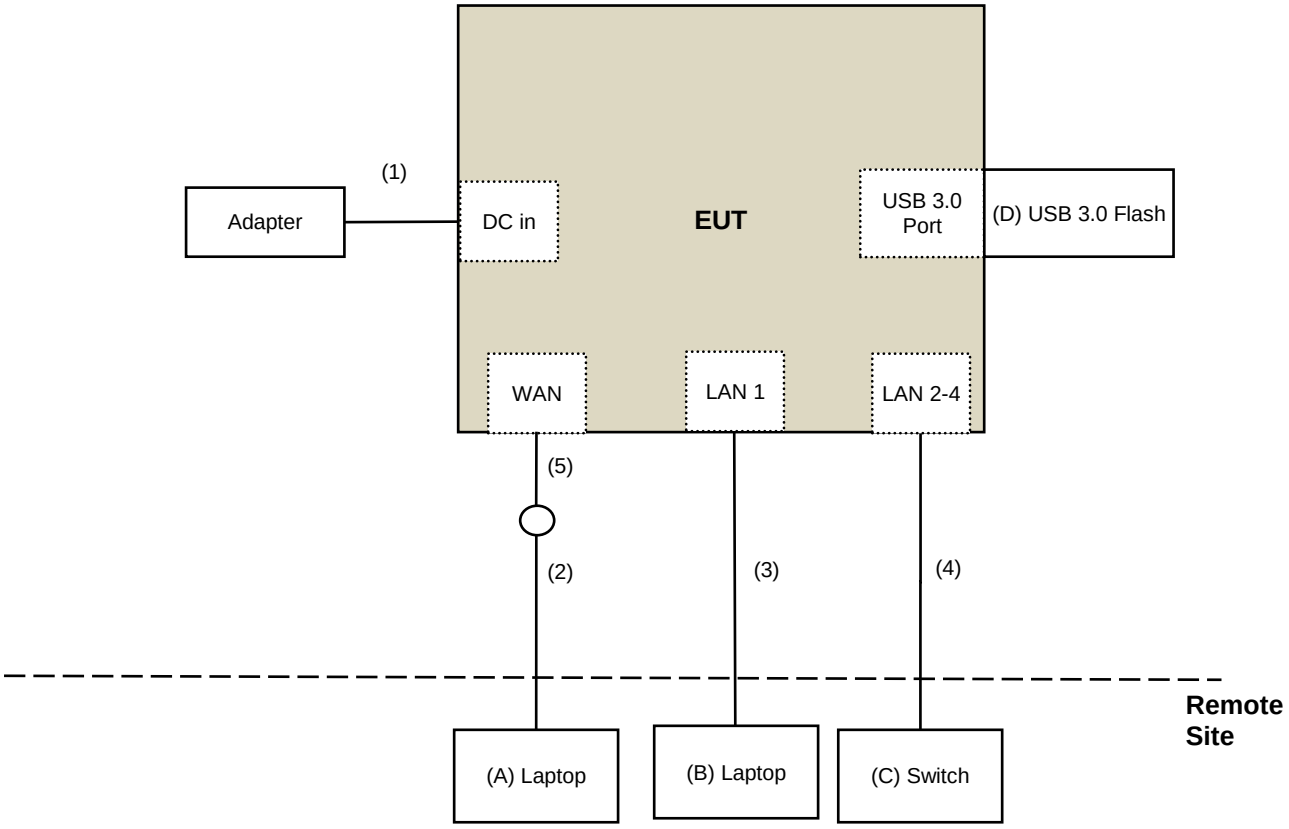



802.11ax (HE160)

### 3.6 Test Program Used and Operation Descriptions

Controlling software (accessMTool_REL_3_1_0_1) has been activated to set the EUT under transmission condition continuously at specific channel frequency.

### 3.7 Connection Diagram of EUT and Peripheral Devices



### 3.8 Configuration of Peripheral Devices and Cable Connections

| ID | Product | Brand | Model No. | Serial No. | FCC ID | Remarks |
|---|---|---|---|---|---|---|
| A | Laptop | Lenovo | 20U5S01X00 L14 | PF-28LKK7 | N/A | Provided by Lab |
| B | Laptop | Lenovo | 20U5S01X00 L14 | PF-1ANPYA | N/A | Provided by Lab |
| C | Switch | D-Link | DGS-1005D | DR8WC92000523 | N/A | Provided by Lab |
| D | USB 3.0 Flash | Transcend | JetFlash 700 | N/A | N/A | Provided by Lab |

| ID | Cable Descriptions | Qty. | Length (m) | Shielding (Yes/No) | Cores (Qty.) | Remarks |
|---|---|---|---|---|---|---|
| 1 | DC Cable | 1 | 1.8 | No | 0 | Supplied by applicant |
| 2 | RJ-45 Cable | 1 | 10 | No | 0 | Provided by Lab |
| 3 | RJ-45 Cable | 1 | 10 | No | 0 | Provided by Lab |
| 4 | RJ-45 Cable | 3 | 10 | No | 0 | Provided by Lab |
| 5 | RJ-45 Cable | 1 | 1.8 | No | 0 | Supplied by applicant |

# 4 Test Instruments

The calibration interval of the all test instruments are 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

## 4.1 26 dB Bandwidth

| Description<br>Manufacturer | Model No. | Serial No. | Calibrated Date | Calibrated Until |
|---|---|---|---|---|
| Attenuator<br>WOKEN | MDCS18N-10 | MDCS18N-10-01 | 2021/4/13 | 2022/4/12 |
| | | | 2022/4/5 | 2023/4/4 |
| Power Meter<br>Anritsu | ML2495A | 1529002 | 2021/6/21 | 2022/6/20 |
| Pulse Power Sensor<br>Anritsu | MA2411B | 1339443 | 2021/5/31 | 2022/5/30 |
| Software | ADT_RF Test Software V6.6.5.4 | N/A | N/A | N/A |
| Spectrum Analyzer<br>R&S | FSV40 | 100964 | 2021/5/31 | 2022/5/30 |

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2022/3/22 ~ 2022/5/3

## 4.2 RF Output Power

| Description<br>Manufacturer | Model No. | Serial No. | Calibrated Date | Calibrated Until |
|---|---|---|---|---|
| Attenuator<br>WOKEN | MDCS18N-10 | MDCS18N-10-01 | 2021/4/13 | 2022/4/12 |
| | | | 2022/4/5 | 2023/4/4 |
| Power Meter<br>Anritsu | ML2495A | 1529002 | 2021/6/21 | 2022/6/20 |
| Pulse Power Sensor<br>Anritsu | MA2411B | 1339443 | 2021/5/31 | 2022/5/30 |
| Software | ADT_RF Test Software V6.6.5.4 | N/A | N/A | N/A |
| Spectrum Analyzer<br>R&S | FSV40 | 100964 | 2021/5/31 | 2022/5/30 |

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2022/3/22 ~ 2022/5/3

### 4.3 Power Spectral Density

Refer to section 4.1 to get information of the instruments.

### 4.4 6 dB Bandwidth

Refer to section 4.1 to get information of the instruments.

### 4.5 Occupied Bandwidth

Refer to section 4.1 to get information of the instruments.

### 4.6 Frequency Stability

| Description<br>Manufacturer | Model No. | Serial No. | Calibrated Date | Calibrated Until |
|---|---|---|---|---|
| AC Power Source<br>GOOD WILL | 6905S | 1991551 | N/A | N/A |
| Attenuator<br>WOKEN | MDCS18N-10 | MDCS18N-10-01 | 2021/4/13 | 2022/4/12 |
| | | | 2022/4/5 | 2023/4/4 |
| DC POWER SUPPLY<br>Topward | 6603D | 795558 | N/A | N/A |
| Software | ADT_RF Test Software V6.6.5.4 | N/A | N/A | N/A |
| Spectrum Analyzer<br>R&S | FSV40 | 100964 | 2021/5/31 | 2022/5/30 |
| Temperature & Humidity Chamber<br>Giant Force | GTH-150-40-SP-AR | MAA0812-008 | 2022/1/14 | 2023/1/13 |
| True RMS Clamp Meter<br>Fluke | 325 | 31130711WS | 2021/6/2 | 2022/6/1 |

Notes:

1. The test was performed in Oven room 2.
2. Tested Date: 2022/3/22 ~ 2022/5/3

### 4.7 AC Power Conducted Emissions

| Description<br>Manufacturer | Model No. | Serial No. | Calibrated Date | Calibrated Until |
|---|---|---|---|---|
| 50 ohms Terminator | 50 | 3 | 2021/10/27 | 2022/10/26 |
| Fixed attenuator<br>STI | STI02-2200-10 | 005 | 2021/8/27 | 2022/8/26 |
| LISN<br>R&S | ESH3-Z5 | 848773/004 | 2021/10/29 | 2022/10/28 |
| RF Coaxial Cable<br>JYEBO | 5D-FB | COCCAB-001 | 2021/9/25 | 2022/9/24 |
| Software<br>BVADT | BVADT_Cond_V7.3.7.4 | N/A | N/A | N/A |
| TEST RECEIVER<br>R&S | ESCS 30 | 847124/029 | 2021/10/13 | 2022/10/12 |

Notes:

1. The test was performed in Conduction 1
2. Tested Date: 2022/4/1 ~ 2022/4/28

## 4.8 Unwanted Emissions below 1 GHz

| Description<br>Manufacturer | Model No. | Serial No. | Calibrated Date | Calibrated Until |
|---|---|---|---|---|
| Boresight Antenna Tower & Turn Table<br>Max-Full | MF-7802BS | MF780208530 | N/A | N/A |
| Fixed attenuator<br>Mini-Circuits | UNAT-5+ | PAD-ATT5-03 | 2022/1/10 | 2023/1/9 |
| Loop Antenna<br>TESEQ | HLA 6121 | 45745 | 2021/7/21 | 2022/7/20 |
| LOOP ANTENNA<br>Electro-Metrics | EM-6879 | 264 | 2022/3/18 | 2023/3/17 |
| Pre_Amplifier<br>EMCI | EMC001340 | 980142 | 2021/5/24 | 2022/5/23 |
| | EMC330N | 980701 | 2022/3/8 | 2023/3/7 |
| RF Coaxial Cable<br>JYEBO | 5D-FB | LOOPCAB-001 | 2022/1/6 | 2023/1/5 |
| | | LOOPCAB-002 | 2022/1/6 | 2023/1/5 |
| RF Coaxial Cable<br>COMMATE/PEWC | 8D | 966-4-1 | 2022/3/8 | 2023/3/7 |
| | | 966-4-2 | 2022/3/8 | 2023/3/7 |
| | | 966-4-3 | 2022/3/8 | 2023/3/7 |
| Software | ADT_Radiated_V8.7.08 | N/A | N/A | N/A |
| Test Receiver<br>Agilent | N9038A | MY51210202 | 2021/11/19 | 2022/11/18 |
| Trilog Broadband Antenna<br>Schwarzbeck | VULB 9168 | 9168-406 | 2021/10/27 | 2022/10/26 |

Notes:

1. The test was performed in 966 Chamber No. 4.
2. Tested Date: 2022/4/1 ~ 2022/4/28

### 4.9 Unwanted Emissions above 1 GHz

| Description<br>Manufacturer | Model No. | Serial No. | Calibrated Date | Calibrated Until |
|---|---|---|---|---|
| Boresight Antenna Tower & Turn Table<br>Max-Full | MF-7802BS | MF780208530 | N/A | N/A |
| Horn Antenna<br>Schwarzbeck | BBHA 9120D | 9120D-783 | 2021/11/14 | 2022/11/13 |
| | BBHA 9170 | 9170-739 | 2021/11/14 | 2022/11/13 |
| Pre_Amplifier<br>EMCI | EMC 12630 SE | 980638 | 2021/4/7 | 2022/4/6 |
| | EMC184045SE | 980387 | 2021/1/11 | 2022/1/10 |
| | EMC184045SE | 980387 | 2022/1/10 | 2023/1/9 |
| RF Cable-Frequency Range : 1-26.5GHz<br>EMCI | EMC104-SM-SM-1200 | 160922 | 2021/12/24 | 2022/12/23 |
| RF Cable-Frequency range: 1-40GHz<br>EMCI | EMC102-KM-KM-1200 | 160924 | 2021/1/11 | 2022/1/10 |
| | EMC102-KM-KM-1200 | 160924 | 2022/1/10 | 2023/1/9 |
| RF Coaxial Cable<br>EMCI | EMC104-SM-SM-2000 | 180502 | 2021/4/26 | 2022/4/25 |
| | EMC104-SM-SM-6000 | 210704 | 2021/11/9 | 2022/11/8 |
| | EMC-KM-KM-4000 | 200214 | 2021/3/10 | 2022/3/9 |
| | EMC-KM-KM-4000 | 200214 | 2022/3/8 | 2023/3/7 |
| Software | ADT_Radiated_V8.7.08 | N/A | N/A | N/A |
| Test Receiver<br>Agilent | N9038A | MY51210202 | 2021/11/19 | 2022/11/18 |

Notes:

1. The test was performed in 966 Chamber No. 4.
2. Tested Date: 2022/1/7 ~ 2022/3/31

# 5 Limits of Test Items

## 5.1 26 dB Bandwidth

The results are for reference only.

## 5.2 RF Output Power

| Operation Band | EUT Category | Limit |
|---|---|---|
| U-NII-1 | Outdoor Access Point | 1 Watt (30 dBm)<br>(Max. e.i.r.p ≦ 125mW(21 dBm) at any elevation angle above 30 degrees as measured from the horizon) |
| | Fixed point-to-point Access Point | 1 Watt (30 dBm) |
| | Indoor Access Point | 1 Watt (30 dBm) |
| | Mobile and Portable client device | 250mW (24 dBm) |

| Operation Band | Limit |
|---|---|
| U-NII-2A | 250mW (24 dBm) or 11 dBm+10 log B* |
| U-NII-2C | 250mW (24 dBm) or 11 dBm+10 log B* |
| U-NII-3 | 1 Watt (30 dBm) |

*B is the 26 dB emission bandwidth in megahertz

Per KDB 662911 D01 Multiple Transmitter Output Method of conducted output power measurement on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;
Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any $N_{ANT}$;
Array Gain = 5 log($N_{ANT}/N_{SS}$) dB or 3 dB, whichever is less, for 20-MHz channel widths with $N_{ANT} \geq 5$.

For power measurements on all other devices: Array Gain = 10 log($N_{ANT}/N_{SS}$) dB.

## 5.3 Power Spectral Density

| Operation Band | EUT Category | Limit |
|---|---|---|
| U-NII-1 | Outdoor Access Point | 17 dBm/ MHz |
| | Fixed point-to-point Access Point | |
| | Indoor Access Point | |
| | Mobile and Portable client device | 11 dBm/ MHz |

| Operation Band | Limit |
|---|---|
| U-NII-2A | 11 dBm/ MHz |
| U-NII-2C | 11 dBm/ MHz |
| U-NII-3 | 30 dBm/ 500 kHz |

## 5.4 6 dB Bandwidth

Within the 5.725-5.850 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

### 5.5 Occupied Bandwidth

The results are for reference only.

### 5.6 Frequency Stability

The frequency of the carrier signal shall be maintained within band of operation.

### 5.7 AC Power Conducted Emissions

| Frequency (MHz) | Conducted Limit (dBuV) | |
|---|---|---|
| | Quasi-peak | Average |
| 0.15 - 0.5 | 66 - 56 | 56 - 46 |
| 0.50 - 5.0 | 56 | 46 |
| 5.0 - 30.0 | 60 | 50 |

Notes:

1. The lower limit shall apply at the transition frequencies.
2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50 MHz.

### 5.8 Unwanted Emissions below 1 GHz

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

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

Notes:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).

## 5.9 Unwanted Emissions above 1 GHz

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

| Frequencies (MHz) | Field Strength (microvolts/meter) | Measurement Distance (meters) |
|---|---|---|
| Above 960 | 500 | 3 |

Notes:

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

Limits of unwanted emission out of the restricted bands

| Applicable To | | Limit | |
|---|---|---|---|
| 789033 D02 General UNII Test Procedure New Rules v02r01 | | Field Strength at 3 m | |
| | | PK: 74 (dBµV/m) | AV: 54 (dBµV/m) |
| Frequency Band | Applicable To | EIRP Limit | Equivalent Field Strength at 3 m |
| 5150~5250 MHz | 15.407(b)(1) | PK: -27 (dBm/MHz) | PK: 68.2 (dBµV/m) |
| 5250~5350 MHz | 15.407(b)(2) | | |
| 5470~5725 MHz | 15.407(b)(3) | | |
| 5725~5850 MHz | 15.407(b)(4)(i) | PK: -27 (dBm/MHz) *1<br>PK: 10 (dBm/MHz) *2<br>PK: 15.6 (dBm/MHz) *3<br>PK: 27 (dBm/MHz) *4 | PK: 68.2 (dBµV/m) *1<br>PK: 105.2 (dBµV/m) *2<br>PK: 110.8 (dBµV/m) *3<br>PK: 122.2 (dBµV/m) *4 |

*1 beyond 75 MHz or more above of the band edge.

*2 below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.

*3 below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.

*4 from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

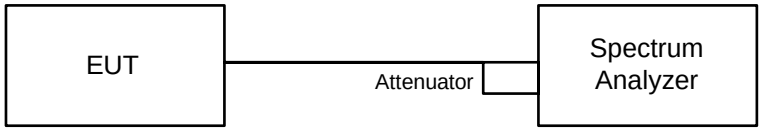
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

# 6 Test Arrangements

## 6.1 26 dB Bandwidth

### 6.1.1 Test Setup



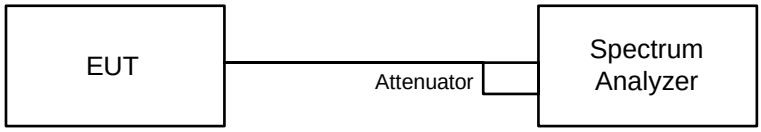

### 6.1.2 Test Procedure

a. Set RBW = approximately 1% of the emission bandwidth.
b. Set the VBW > RBW.
c. Detector = Peak.
d. Trace mode = max hold.
e. Measure the maximum width of the emission that is 26 dB down from the peak 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%.

## 6.2 RF Output Power

### 6.2.1 Test Setup


**For channel straddling:**




### 6.2.2 Test Procedure

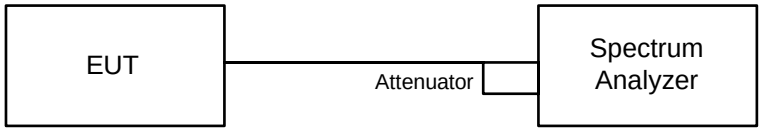
Method PM is used to perform output power measurement, trigger and gating function of wide band power meter is enabled to measure max output power of TX on burst and set the detector to average. Duty factor is not added to measured value.

**For channel straddling:**
Method SA-1

a. Set span to encompass the entire emission bandwidth (EBW) of the signal.
b. Set RBW = 1 MHz, Set VBW ≥ 3 MHz, Detector = RMS
c. Sweep points ≥ [2 × span / RBW]. (This gives bin-to-bin spacing ≤ RBW / 2, so that narrowband signals are not lost between frequency bins.)
d. Sweep time = auto, trigger set to “free run”.
e. Trace average at least 100 traces in power averaging mode.
f. Record the max value

## 6.3 Power Spectral Density

6.3.1 Test Setup




6.3.2 Test Procedure

**For specified measurement bandwidth 1 MHz:**
Method SA-1

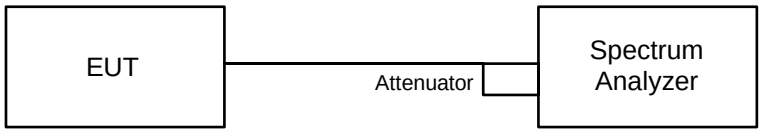
a. Set span to encompass the entire emission bandwidth (EBW) of the signal.
b. Set RBW = 1 MHz, Set VBW ≥ 3 MHz, Detector = RMS
c. Sweep points ≥ [2 × span / RBW]. (This gives bin-to-bin spacing ≤ RBW / 2, so that narrowband signals are not lost between frequency bins.)
d. Sweep time = auto, trigger set to “free run”.
e. Trace average at least 100 traces in power averaging mode.
f. Record the max value

**For specified measurement bandwidth 500 kHz:**
Method SA-1

a. Set span to encompass the entire emission bandwidth (EBW) of the signal.
b. Set RBW = 300 kHz, Set VBW ≥ 1 MHz, Detector = RMS
c. Scale the observed power level to an equivalent value in 500 kHz by adjusting (increasing) the measured power by a bandwidth correction factor (BWCF) where BWCF = 10log(500 kHz/300 kHz)
d. Sweep points ≥ [2 × span / RBW]. (This gives bin-to-bin spacing ≤ RBW / 2, so that narrowband signals are not lost between frequency bins.)
e. Sweep time = auto, trigger set to “free run”.
f. Trace average at least 100 traces in power averaging mode.
g. Record the max value

## 6.4 6 dB Bandwidth

6.4.1 Test Setup

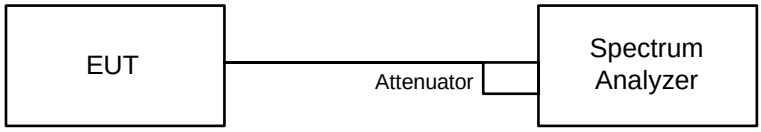



6.4.2 Test Procedure

a. Set resolution bandwidth (RBW) = 100 kHz.
b. Set the video bandwidth (VBW) ≥ 3 x RBW, Detector = Peak.
c. Trace mode = max hold.
d. Sweep = auto couple.
e. Measure the maximum width of the emission that is constrained by the frequencies associated with the two amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

## 6.5 Occupied Bandwidth

6.5.1 Test Setup

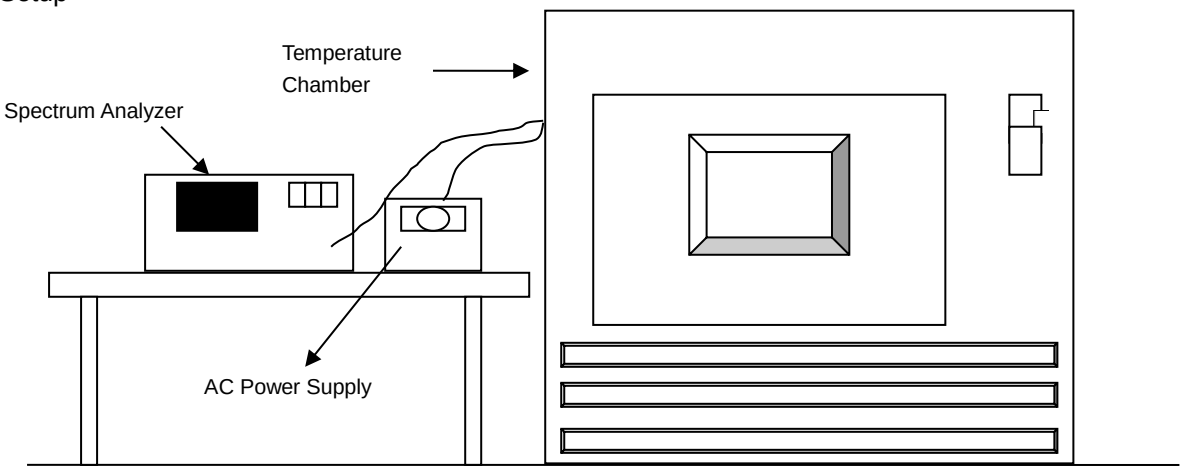



6.5.2 Test Procedure

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with resolution bandwidth in the range of 1% to 5% of the anticipated emission bandwidth, and a video bandwidth at least 3x the resolution bandwidth and set the detector to Sampling. The width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean power of a given emission.

## 6.6 Frequency Stability

6.6.1 Test Setup

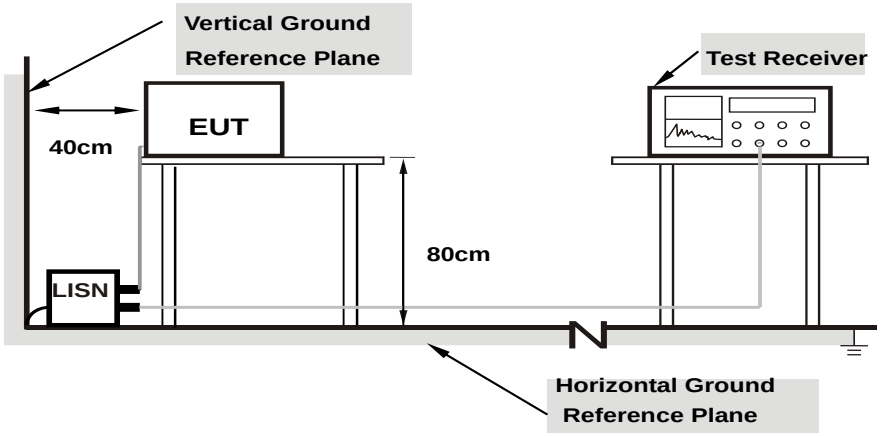



6.6.2 Test Procedure

a. The EUT was placed inside the environmental test chamber and powered by nominal AC voltage.
b. Turn the EUT on and couple its output to a spectrum analyzer.
c. Turn the EUT off and set the chamber to the highest temperature specified.
d. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT on and measure the operating frequency after 2, 5, and 10 Minutes.
e. Repeat step (d) with the temperature chamber set to the next desired temperature until measurements down to the lowest specified temperature have been completed.
f. The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 Minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.

## 6.7 AC Power Conducted Emissions

### 6.7.1 Test Setup




**Note: 1.Support units were connected to second LISN.**

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

### 6.7.2 Test Procedure

a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50 uH of coupling impedance for the measuring instrument.

b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.

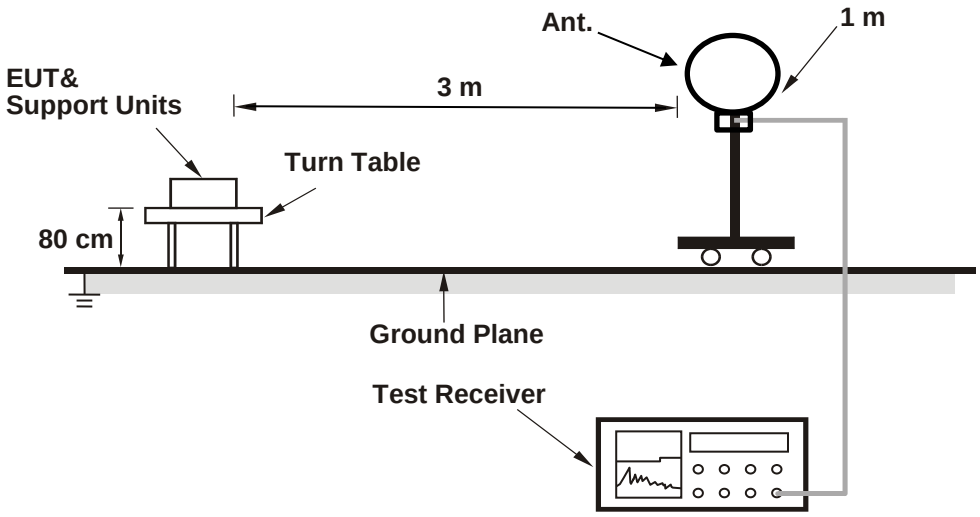
c. The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20 dB) was not recorded.

**Note:**
The resolution bandwidth and video bandwidth of test receiver is 9 kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15 MHz-30 MHz.

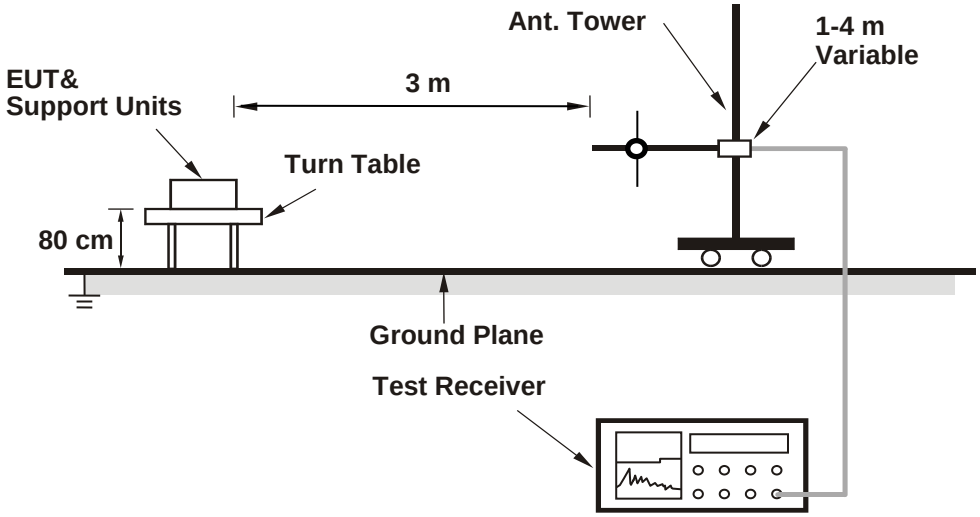
## 6.8 Unwanted Emissions below 1 GHz

6.8.1 Test Setup

**For Radiated emission below 30 MHz**




**For Radiated emission above 30 MHz**



6.8.2 Test Procedure

**For Radiated emission below 30 MHz**

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

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

c. Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

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

**Notes:**

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9 kHz at frequency below 30 MHz.
2. All modes of operation were investigated and the worst-case emissions are reported.

**For Radiated emission above 30 MHz**

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

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

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

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

e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

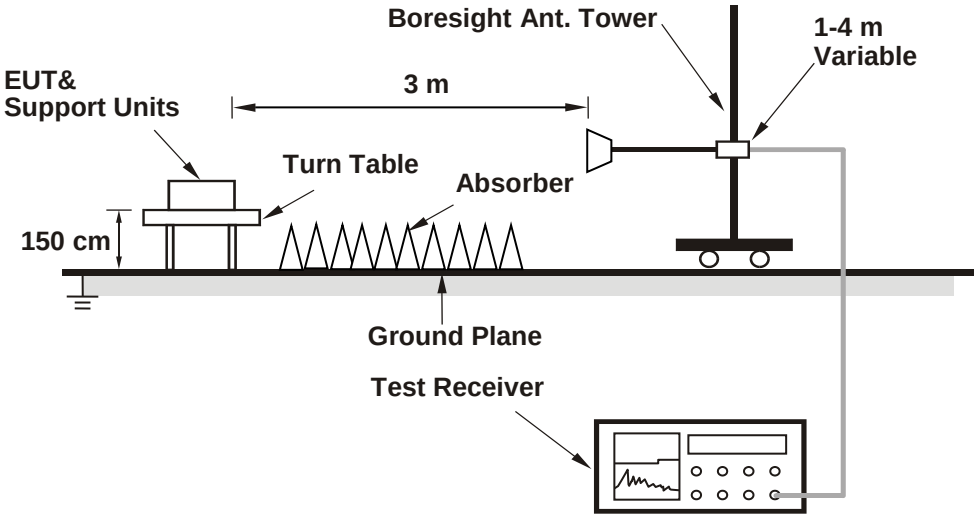
**Notes:**

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP) at frequency below 1 GHz.
2. All modes of operation were investigated and the worst-case emissions are reported.

## 6.9 Unwanted Emissions above 1 GHz

6.9.1 Test Setup

**For Radiated emission above 1 GHz**




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

6.9.2 Test Procedure

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

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

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

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

e. The test-receiver system was set to peak and average detects function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

**Notes:**

1. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1 GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is ≥ 1/T (Duty cycle < 98%) or 10 Hz (Duty cycle ≥ 98%) for Average detection (AV) at frequency above 1 GHz.
3. All modes of operation were investigated and the worst-case emissions are reported.

# 7 Test Results of Test Item

## 7.1 26 dB Bandwidth

### Mode A

| Input Power: | 120 Vac, 60 Hz | Environmental Conditions: | 23 °C, 66 % RH | Tested By: | Eric Peng |
|---|---|---|---|---|---|

### 802.11a

| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | | | |
|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | Chain 3 |
| 52 | 5260 | 21.92 | 21.71 | 21.93 | 21.94 |
| 60 | 5300 | 21.83 | 22.09 | 21.87 | 21.71 |
| 64 | 5320 | 21.92 | 21.92 | 21.88 | 21.8 |
| 100 | 5500 | 21.93 | 21.82 | 21.86 | 21.73 |
| 116 | 5580 | 21.94 | 21.97 | 21.78 | 21.63 |
| 140 | 5700 | 21.79 | 21.84 | 21.88 | 21.74 |
| 144 (U-NII-2C) | 5720 | 15.95 | 15.95 | 15.92 | 15.93 |

| Determined Output Power Limit | | | | | |
|---|---|---|---|---|---|
| Channel Number | Freq.(MHz) | Min. B(MHz) | Determined Conducted Power Limit (dBm) | | |
| 52 | 5260 | 21.71 | 24.36 | > | 24 |
| 60 | 5300 | 21.71 | 24.36 | > | 24 |
| 64 | 5320 | 21.8 | 24.38 | > | 24 |
| 100 | 5500 | 21.73 | 24.37 | > | 24 |
| 116 | 5580 | 21.63 | 24.35 | > | 24 |
| 140 | 5700 | 21.74 | 24.37 | > | 24 |
| 144 (U-NII-2C) | 5720 | 15.92 | 23.01 | < | 24 |

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

## 802.11ax (HE20)

| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | | | |
|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | Chain 3 |
| 52 | 5260 | 22.03 | 21.79 | 21.98 | 21.98 |
| 60 | 5300 | 22.09 | 21.87 | 21.97 | 22.01 |
| 64 | 5320 | 22.14 | 21.9 | 21.94 | 21.99 |
| 100 | 5500 | 22.19 | 21.97 | 21.9 | 21.9 |
| 116 | 5580 | 22.22 | 21.99 | 21.99 | 21.68 |
| 140 | 5700 | 22.12 | 21.83 | 21.94 | 21.97 |
| 144 (U-NII-2C) | 5720 | 16.01 | 15.9 | 15.86 | 16.06 |

| Determined Output Power Limit | | | | | |
|---|---|---|---|---|---|
| Channel Number | Freq.(MHz) | Min. B(MHz) | Determined Conducted Power Limit (dBm) | | |
| 52 | 5260 | 21.79 | 24.38 | > | 24 |
| 60 | 5300 | 21.87 | 24.39 | > | 24 |
| 64 | 5320 | 21.9 | 24.4 | > | 24 |
| 100 | 5500 | 21.9 | 24.4 | > | 24 |
| 116 | 5580 | 21.68 | 24.36 | > | 24 |
| 140 | 5700 | 21.83 | 24.39 | > | 24 |
| 144 (U-NII-2C) | 5720 | 15.86 | 23 | < | 24 |

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

## 802.11ax (HE40)

| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | | | |
|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | Chain 3 |
| 54 | 5270 | 42.24 | 41.67 | 42.11 | 41.98 |
| 62 | 5310 | 41.62 | 41.57 | 41.8 | 41.96 |
| 102 | 5510 | 42.14 | 41.73 | 41.6 | 41.88 |
| 110 | 5550 | 41.93 | 41.79 | 41.83 | 41.78 |
| 134 | 5670 | 41.76 | 42.07 | 42.02 | 41.85 |
| 142 (U-NII-2C) | 5710 | 36.11 | 35.77 | 35.78 | 35.96 |

| Determined Output Power Limit | | | | | |
|---|---|---|---|---|---|
| Channel Number | Freq.(MHz) | Min. B(MHz) | Determined Conducted Power Limit (dBm) | | |
| 54 | 5270 | 41.67 | 27.19 | > | 24 |
| 62 | 5310 | 41.57 | 27.18 | > | 24 |
| 102 | 5510 | 41.6 | 27.19 | > | 24 |
| 110 | 5550 | 41.78 | 27.2 | > | 24 |
| 134 | 5670 | 41.76 | 27.2 | > | 24 |
| 142 (U-NII-2C) | 5710 | 35.77 | 26.53 | > | 24 |

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

### 802.11ax (HE80)

| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | | | |
|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | Chain 3 |
| 58 | 5290 | 83.07 | 82.97 | 82.84 | 82.66 |
| 106 | 5530 | 83.26 | 82.84 | 82.95 | 82.9 |
| 122 | 5610 | 82.86 | 82.98 | 82.69 | 82.86 |
| 138 (U-NII-2C) | 5690 | 76.39 | 76.22 | 76.47 | 76.46 |

| Determined Output Power Limit | | | |
|---|---|---|---|
| Channel Number | Freq.(MHz) | Min. B(MHz) | Determined Conducted Power Limit (dBm) |
| 58 | 5290 | 82.66 | 30.17 > 24 |
| 106 | 5530 | 82.84 | 30.18 > 24 |
| 122 | 5610 | 82.69 | 30.17 > 24 |
| 138 (U-NII-2C) | 5690 | 76.22 | 29.82 > 24 |

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

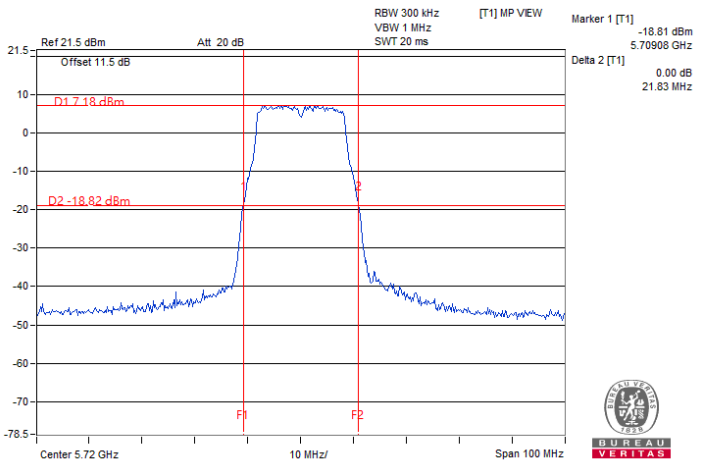
### 802.11ax (HE160)

| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | | | |
|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | Chain 3 |
| 50 (U-NII-2A) | 5250 | 84.7 | 84.12 | 84.04 | 83.95 |
| 114 | 5570 | 168.7 | 168.03 | 168.07 | 168.43 |

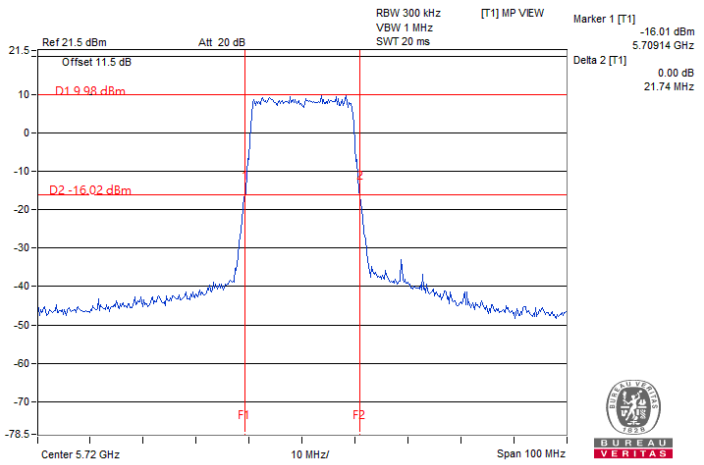
| Determined Output Power Limit | | | |
|---|---|---|---|
| Channel Number | Freq.(MHz) | Min. B(MHz) | Determined Conducted Power Limit (dBm) |
| 50 (U-NII-2A) | 5250 | 83.95 | 30.24 > 24 |
| 114 | 5570 | 168.03 | 33.25 > 24 |

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

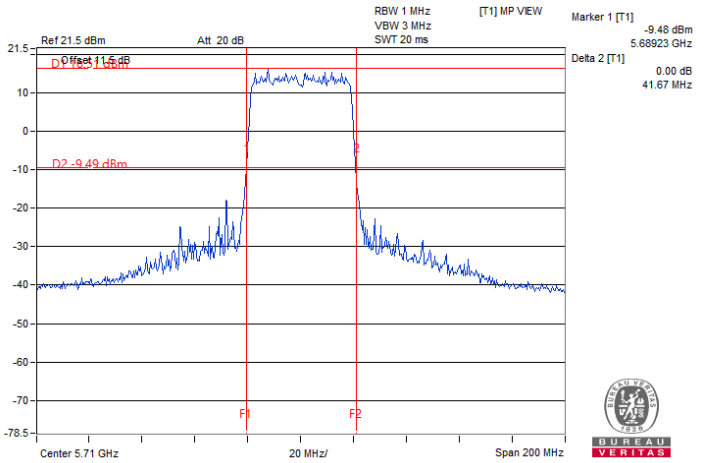
## Spectrum Plot of Minimum Value



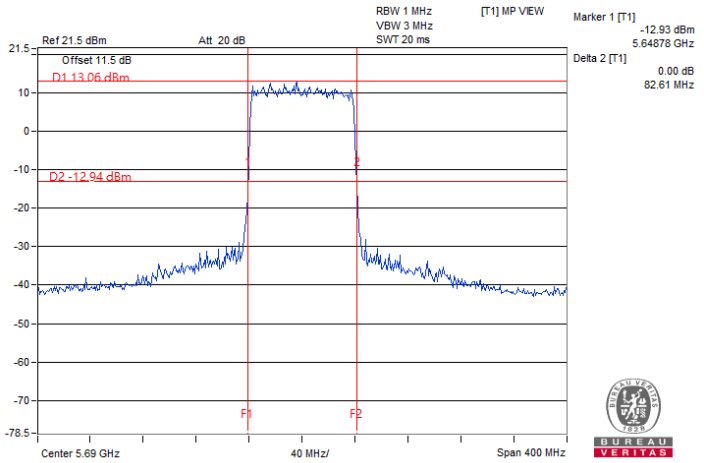

802.11a / Chain2 : CH 144 (U-NII-2c)



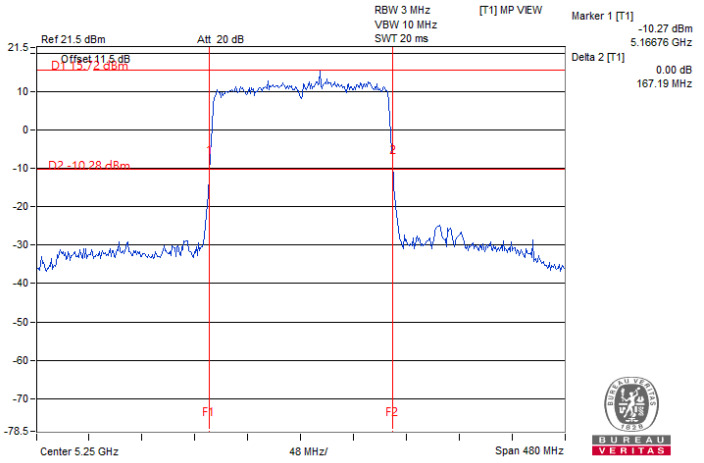

802.11ax (HE20) / Chain2 : CH 144 (U-NII-2c)




802.11ax (HE40) / Chain1 : CH 142 (U-NII-2c)




802.11ax (HE80) / Chain1 : CH 138 (U-NII-2c)




802.11ax (HE160) / Chain3 : CH 50 (U-NII-2a)

Notes:

1. For U-NII-2C straddle channel = 5725MHz - Marker 1
2. For U-NII-2A straddle channel = Marker 1 + Delta 2 - 5250MHz

## Mode B

| Input Power: | 120 Vac, 60 Hz | Environmental Conditions: | 25°C, 60% RH | Tested By: | Eric Peng |
|---|---|---|---|---|---|

## 802.11a

| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | | |
|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 |
| 52 | 5260 | 21.81 | 21.82 | 21.47 |
| 60 | 5300 | 21.8 | 21.84 | 21.39 |
| 64 | 5320 | 21.84 | 22.13 | 21.51 |
| 100 | 5500 | 21.64 | 21.7 | 21.49 |
| 116 | 5580 | 21.8 | 21.75 | 21.55 |
| 140 | 5700 | 21.71 | 21.89 | 21.48 |
| 144 (U-NII-2C) | 5720 | 15.8 | 15.92 | 15.6 |

| Determined Output Power Limit | | | | | |
|---|---|---|---|---|---|
| Channel Number | Freq.(MHz) | Min. B(MHz) | Determined Conducted Power Limit (dBm) | | |
| 52 | 5260 | 21.47 | 24.31 | > | 24 |
| 60 | 5300 | 21.39 | 24.3 | > | 24 |
| 64 | 5320 | 21.51 | 24.32 | > | 24 |
| 100 | 5500 | 21.49 | 24.32 | > | 24 |
| 116 | 5580 | 21.55 | 24.33 | > | 24 |
| 140 | 5700 | 21.48 | 24.32 | > | 24 |
| 144 (U-NII-2C) | 5720 | 15.6 | 22.93 | < | 24 |

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

## 802.11ax (HE20)

| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | | |
|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 |
| 52 | 5260 | 22.02 | 21.98 | 22.01 |
| 60 | 5300 | 22.07 | 21.75 | 21.92 |
| 64 | 5320 | 21.87 | 21.88 | 21.95 |
| 100 | 5500 | 21.79 | 22.13 | 21.67 |
| 116 | 5580 | 21.96 | 21.83 | 21.86 |
| 140 | 5700 | 21.91 | 22.06 | 21.88 |
| 144 (U-NII-2C) | 5720 | 15.89 | 15.82 | 15.78 |

| Determined Output Power Limit | | | | | |
|---|---|---|---|---|---|
| Channel Number | Freq.(MHz) | Min. B(MHz) | Determined Conducted Power Limit (dBm) | | |
| 52 | 5260 | 21.98 | 24.42 | > | 24 |
| 60 | 5300 | 21.75 | 24.37 | > | 24 |
| 64 | 5320 | 21.87 | 24.39 | > | 24 |
| 100 | 5500 | 21.67 | 24.35 | > | 24 |
| 116 | 5580 | 21.83 | 24.39 | > | 24 |
| 140 | 5700 | 21.88 | 24.4 | > | 24 |
| 144 (U-NII-2C) | 5720 | 15.78 | 22.98 | < | 24 |

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

## 802.11ax (HE40)

| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | | |
|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 |
| 54 | 5270 | 41.96 | 42.26 | 41.97 |
| 62 | 5310 | 41.95 | 42.35 | 41.87 |
| 102 | 5510 | 42.23 | 41.85 | 42.06 |
| 110 | 5550 | 42.08 | 42 | 42.06 |
| 134 | 5670 | 42.13 | 41.99 | 42.38 |
| 142 (U-NII-2C) | 5710 | 36.07 | 35.95 | 36.09 |

| Determined Output Power Limit | | | | | |
|---|---|---|---|---|---|
| Channel Number | Freq.(MHz) | Min. B(MHz) | Determined Conducted Power Limit (dBm) | | |
| 54 | 5270 | 41.96 | 27.22 | > | 24 |
| 62 | 5310 | 41.87 | 27.21 | > | 24 |
| 102 | 5510 | 41.85 | 27.21 | > | 24 |
| 110 | 5550 | 42 | 27.23 | > | 24 |
| 134 | 5670 | 41.99 | 27.23 | > | 24 |
| 142 (U-NII-2C) | 5710 | 35.95 | 26.55 | > | 24 |

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

### 802.11ax (HE80)

| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | | |
|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 |
| 58 | 5290 | 83.07 | 82.53 | 82.45 |
| 106 | 5530 | 83.1 | 83.1 | 83.14 |
| 122 | 5610 | 82.69 | 82.98 | 82.53 |
| 138 (U-NII-2C) | 5690 | 76.6 | 76.31 | 76.42 |

| Determined Output Power Limit | | | |
|---|---|---|---|
| Channel Number | Freq.(MHz) | Min. B(MHz) | Determined Conducted Power Limit (dBm) |
| 58 | 5290 | 82.45 | 30.16 > 24 |
| 106 | 5530 | 83.1 | 30.19 > 24 |
| 122 | 5610 | 82.53 | 30.16 > 24 |
| 138 (U-NII-2C) | 5690 | 76.31 | 29.82 > 24 |

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

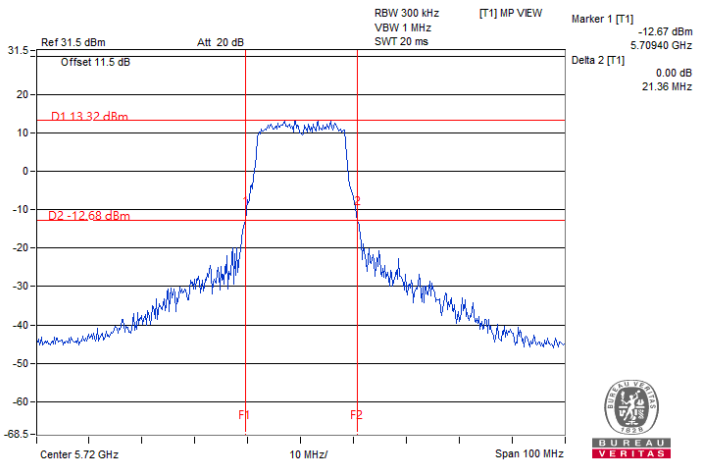
### 802.11ax (HE160)

| Channel | Frequency (MHz) | 26 dB Bandwidth (MHz) | | |
|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 |
| 50 (U-NII-2A) | 5250 | 84.69 | 83.84 | 83.79 |
| 114 | 5570 | 168.95 | 168.53 | 168.62 |

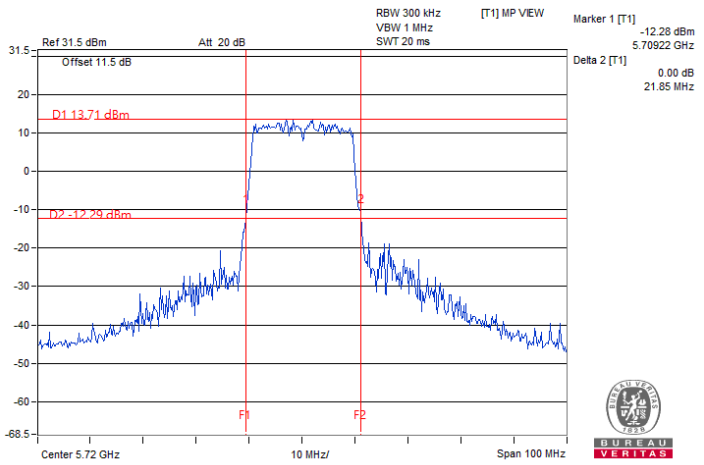
| Determined Output Power Limit | | | |
|---|---|---|---|
| Channel Number | Freq.(MHz) | Min. B(MHz) | Determined Conducted Power Limit (dBm) |
| 50 (U-NII-2A) | 5250 | 83.79 | 30.23 > 24 |
| 114 | 5570 | 168.53 | 33.26 > 24 |

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth.

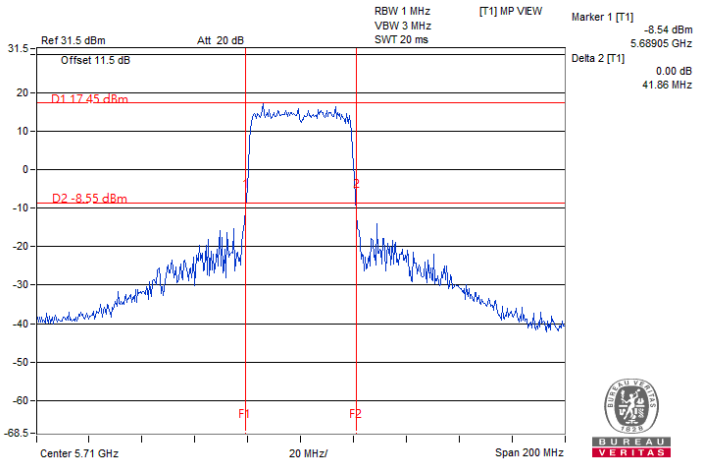
## Spectrum Plot of Minimum Value



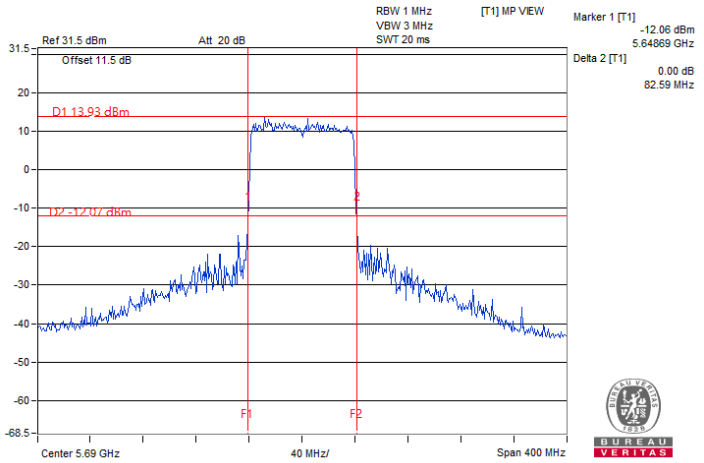

802.11a / Chain2 : CH 144 (U-NII-2c)



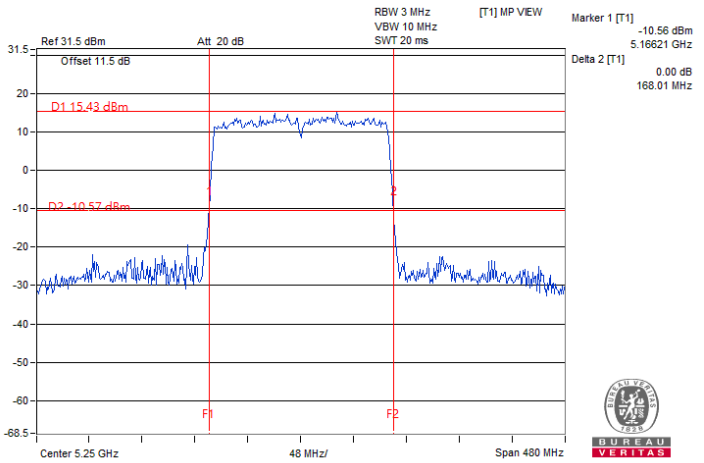

802.11ax (HE20) / Chain2 : CH 144 (U-NII-2c)




802.11ax (HE40) / Chain1 : CH 142 (U-NII-2c)




802.11ax (HE80) / Chain1 : CH 138 (U-NII-2c)




802.11ax (HE160) / Chain2 : CH 50 (U-NII-2a)

Notes:

1. For U-NII-2C straddle channel = 5725MHz - Marker 1
2. For U-NII-2A straddle channel = Marker 1 + Delta 2 - 5250MHz

## 7.2 RF Output Power

### Mode A

| Input Power: | 120 Vac, 60 Hz | Environmental Conditions: | 23 °C, 66 % RH | Tested By: | Eric Peng |
|---|---|---|---|---|---|

### 802.11a CDD

| Chan. | Chan. Freq. (MHz) | Average Power (dBm) | | | | Total Power (mW) | Total Power (dBm) | Power Limit (dBm) | Test Result |
|---|---|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | Chain 3 | | | | |
| 36 | 5180 | 22.64 | 22.23 | 23.33 | 22.68 | 751.394 | 28.76 | 30 | Pass |
| 40 | 5200 | 23.35 | 22.97 | 23.88 | 23.03 | 859.677 | 29.34 | 30 | Pass |
| 48 | 5240 | 23.37 | 22.95 | 23.90 | 23.01 | 859.969 | 29.34 | 30 | Pass |
| 52 | 5260 | 17.45 | 16.94 | 17.22 | 17.14 | 209.505 | 23.21 | 24 | Pass |
| 60 | 5300 | 17.49 | 17.02 | 17.24 | 17.03 | 209.887 | 23.22 | 24 | Pass |
| 64 | 5320 | 17.47 | 16.96 | 17.33 | 17.02 | 209.932 | 23.22 | 24 | Pass |
| 100 | 5500 | 16.53 | 16.91 | 17.42 | 16.98 | 199.165 | 22.99 | 24 | Pass |
| 116 | 5580 | 16.60 | 17.06 | 17.57 | 17.05 | 204.372 | 23.10 | 24 | Pass |
| 140 | 5700 | 16.63 | 17.04 | 17.54 | 17.07 | 204.296 | 23.10 | 24 | Pass |
| *144 (U-NII-2C) | 5720 | 16.23 | 16.43 | 15.06 | 15.15 | 150.727 | 21.78 | 23.01 | Pass |
| *144 (U-NII-3) | 5720 | 9.26 | 10.23 | 8.78 | 8.64 | 33.84 | 15.29 | 30 | Pass |
| 149 | 5745 | 23.09 | 23.56 | 24.12 | 23.37 | 906.187 | 29.57 | 30 | Pass |
| 157 | 5785 | 23.32 | 23.22 | 24.47 | 23.63 | 935.25 | 29.71 | 30 | Pass |
| 165 | 5825 | 23.43 | 23.35 | 24.29 | 23.69 | 938.983 | 29.73 | 30 | Pass |

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 2.84 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.04 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.23 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 2.91 dBi < 6 dBi, so the output power limit shall not be reduced.

## 802.11ax (HE20) CDD

| Chan. | Chan. Freq. (MHz) | Average Power (dBm) | | | | Total Power (mW) | Total Power (dBm) | Power Limit (dBm) | Test Result |
|---|---|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | Chain 3 | | | | |
| 36 | 5180 | 22.14 | 21.33 | 20.96 | 21.03 | 551.017 | 27.41 | 30 | Pass |
| 40 | 5200 | 23.73 | 23.03 | 23.95 | 23.54 | 911.214 | 29.60 | 30 | Pass |
| 48 | 5240 | 23.71 | 23.06 | 23.97 | 23.50 | 910.597 | 29.59 | 30 | Pass |
| 52 | 5260 | 17.67 | 17.42 | 17.79 | 17.20 | 226.285 | 23.55 | 24 | Pass |
| 60 | 5300 | 17.69 | 17.32 | 17.67 | 17.22 | 223.902 | 23.50 | 24 | Pass |
| 64 | 5320 | 17.73 | 17.14 | 17.98 | 17.83 | 234.533 | 23.70 | 24 | Pass |
| 100 | 5500 | 17.07 | 17.36 | 17.95 | 18.04 | 231.436 | 23.64 | 24 | Pass |
| 116 | 5580 | 17.21 | 17.16 | 17.70 | 17.86 | 224.58 | 23.51 | 24 | Pass |
| 140 | 5700 | 17.20 | 17.20 | 17.73 | 17.73 | 223.547 | 23.49 | 24 | Pass |
| *144 (U-NII-2C) | 5720 | 16.76 | 16.24 | 16.87 | 16.27 | 180.502 | 22.56 | 23 | Pass |
| *144 (U-NII-3) | 5720 | 11.28 | 11.10 | 11.61 | 10.91 | 53.129 | 17.25 | 30 | Pass |
| 149 | 5745 | 23.11 | 23.21 | 24.47 | 23.83 | 935.5 | 29.71 | 30 | Pass |
| 157 | 5785 | 23.32 | 23.63 | 24.13 | 23.55 | 930.743 | 29.69 | 30 | Pass |
| 165 | 5825 | 23.25 | 23.96 | 23.89 | 23.96 | 954.027 | 29.80 | 30 | Pass |

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 2.84 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.04 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.23 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 2.91 dBi < 6 dBi, so the output power limit shall not be reduced.

## 802.11ax (HE40) CDD

| Chan. | Chan. Freq. (MHz) | Average Power (dBm) | | | | Total Power (mW) | Total Power (dBm) | Power Limit (dBm) | Test Result |
|---|---|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | Chain 3 | | | | |
| 38 | 5190 | 20.44 | 19.65 | 18.85 | 19.36 | 365.954 | 25.63 | 30 | Pass |
| 46 | 5230 | 23.52 | 23.26 | 23.66 | 23.34 | 884.79 | 29.47 | 30 | Pass |
| 54 | 5270 | 17.58 | 16.87 | 17.55 | 17.20 | 215.286 | 23.33 | 24 | Pass |
| 62 | 5310 | 16.85 | 16.85 | 16.86 | 16.68 | 191.922 | 22.83 | 24 | Pass |
| 102 | 5510 | 16.91 | 16.71 | 16.48 | 16.44 | 184.491 | 22.66 | 24 | Pass |
| 110 | 5550 | 17.74 | 17.11 | 17.74 | 17.23 | 223.107 | 23.49 | 24 | Pass |
| 134 | 5670 | 17.75 | 17.14 | 17.73 | 17.30 | 224.323 | 23.51 | 24 | Pass |
| *142 (U-NII-2C) | 5710 | 17.39 | 16.72 | 17.29 | 16.63 | 201.422 | 23.04 | 24 | Pass |
| *142 (U-NII-3) | 5710 | 7.36 | 7.02 | 7.61 | 6.71 | 20.936 | 13.21 | 30 | Pass |
| 151 | 5755 | 23.02 | 22.72 | 24.35 | 24.15 | 919.802 | 29.64 | 30 | Pass |
| 159 | 5795 | 23.19 | 22.91 | 24.46 | 23.86 | 926.358 | 29.67 | 30 | Pass |

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 2.84 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.04 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.23 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 2.91 dBi < 6 dBi, so the output power limit shall not be reduced.

## 802.11ax (HE80) CDD

| Chan. | Chan. Freq. (MHz) | Average Power (dBm) | | | | Total Power (mW) | Total Power (dBm) | Power Limit (dBm) | Test Result |
|---|---|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | Chain 3 | | | | |
| 42 | 5210 | 21.44 | 20.54 | 19.96 | 20.43 | 462.047 | 26.65 | 30 | Pass |
| 58 | 5290 | 18.51 | 18.77 | 16.95 | 17.14 | 247.599 | 23.94 | 24 | Pass |
| 106 | 5530 | 18.56 | 18.03 | 17.31 | 17.39 | 243.967 | 23.87 | 24 | Pass |
| 122 | 5610 | 17.67 | 17.12 | 17.73 | 17.30 | 222.998 | 23.48 | 24 | Pass |
| *138 (U-NII-2C) | 5690 | 17.16 | 16.69 | 17.44 | 16.57 | 199.522 | 23.00 | 24 | Pass |
| *138 (U-NII-3) | 5690 | 3.15 | 3.24 | 4.04 | 2.74 | 8.588 | 9.34 | 30 | Pass |
| 155 | 5775 | 23.46 | 23.36 | 22.81 | 22.61 | 811.965 | 29.10 | 30 | Pass |

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 2.84 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.04 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.23 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 2.91 dBi < 6 dBi, so the output power limit shall not be reduced.

## 802.11ax (HE160) CDD

| Chan. | Chan. Freq. (MHz) | Average Power (dBm) | | | | Total Power (mW) | Total Power (dBm) | Power Limit (dBm) | Test Result |
|---|---|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | Chain 3 | | | | |
| *50 (U-NII-1) | 5250 | 14.97 | 15.36 | 14.63 | 14.07 | 120.328 | 20.80 | 30 | Pass |
| *50 (U-NII-2A) | 5250 | 15.35 | 15.15 | 14.68 | 14.93 | 127.505 | 21.06 | 24 | Pass |
| 114 | 5570 | 17.45 | 17.88 | 17.01 | 16.36 | 210.452 | 23.23 | 24 | Pass |

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 2.84 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.04 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.23 dBi < 6 dBi, so the output power limit shall not be reduced.

## 802.11ax (HE20) Beamforming

| Chan. | Chan. Freq. (MHz) | Average Power (dBm) | | | | Total Power (mW) | Total Power (dBm) | Power Limit (dBm) | Test Result |
|---|---|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | Chain 3 | | | | |
| 36 | 5180 | 21.64 | 20.83 | 20.46 | 20.53 | 491.094 | 26.91 | 29.35 | Pass |
| 40 | 5200 | 23.46 | 22.64 | 23.96 | 23.05 | 856.196 | 29.33 | 29.35 | Pass |
| 48 | 5240 | 23.42 | 22.66 | 23.97 | 23.00 | 853.273 | 29.31 | 29.35 | Pass |
| 52 | 5260 | 17.23 | 16.97 | 17.38 | 16.78 | 204.963 | 23.12 | 23.31 | Pass |
| 60 | 5300 | 17.28 | 16.90 | 17.18 | 16.73 | 201.772 | 23.05 | 23.31 | Pass |
| 64 | 5320 | 17.20 | 16.70 | 17.58 | 17.23 | 209.378 | 23.21 | 23.31 | Pass |
| 100 | 5500 | 16.63 | 16.89 | 17.48 | 17.34 | 205.067 | 23.12 | 23.73 | Pass |
| 116 | 5580 | 16.75 | 16.73 | 17.28 | 17.39 | 202.697 | 23.07 | 23.73 | Pass |
| 140 | 5700 | 16.77 | 16.75 | 17.26 | 17.26 | 201.27 | 23.04 | 23.73 | Pass |
| *144 (U-NII-2C) | 5720 | 16.39 | 16.00 | 16.44 | 15.78 | 165.262 | 22.18 | 22.73 | Pass |
| *144 (U-NII-3) | 5720 | 10.89 | 10.84 | 11.15 | 10.47 | 48.583 | 16.86 | 29.43 | Pass |
| 149 | 5745 | 22.70 | 22.71 | 24.04 | 23.35 | 842.631 | 29.26 | 29.43 | Pass |
| 157 | 5785 | 22.88 | 23.22 | 23.67 | 23.07 | 839.56 | 29.24 | 29.43 | Pass |
| 165 | 5825 | 22.76 | 23.48 | 23.45 | 23.44 | 853.753 | 29.31 | 29.43 | Pass |

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional Gain By Client.
3. For U-NII-1, the directional gain is 6.65 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.65-6) = 29.35 dBm.
4. For U-NII-2A, the directional gain is 6.69 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.69-6)].
5. For U-NII-2C, the directional gain is 6.27 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.27-6)].
6. For U-NII-3, the directional gain is 6.57 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.57-6) = 29.43 dBm.

## 802.11ax (HE40) Beamforming

| Chan. | Chan. Freq. (MHz) | Average Power (dBm) | | | | Total Power (mW) | Total Power (dBm) | Power Limit (dBm) | Test Result |
|---|---|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | Chain 3 | | | | |
| 38 | 5190 | 19.74 | 18.95 | 18.15 | 18.66 | 311.477 | 24.93 | 29.35 | Pass |
| 46 | 5230 | 23.12 | 23.31 | 23.55 | 23.18 | 853.839 | 29.31 | 29.35 | Pass |
| 54 | 5270 | 17.48 | 16.77 | 17.45 | 17.10 | 210.386 | 23.23 | 23.31 | Pass |
| 62 | 5310 | 16.85 | 16.85 | 16.86 | 16.68 | 191.922 | 22.83 | 23.31 | Pass |
| 102 | 5510 | 16.91 | 16.71 | 16.48 | 16.44 | 184.491 | 22.66 | 23.73 | Pass |
| 110 | 5550 | 17.28 | 16.71 | 17.29 | 16.80 | 201.78 | 23.05 | 23.73 | Pass |
| 134 | 5670 | 17.32 | 16.66 | 17.26 | 16.89 | 202.372 | 23.06 | 23.73 | Pass |
| *142 (U-NII-2C) | 5710 | 17.02 | 16.59 | 16.85 | 16.40 | 188.023 | 22.74 | 23.73 | Pass |
| *142 (U-NII-3) | 5710 | 7.11 | 6.84 | 7.19 | 6.46 | 19.633 | 12.93 | 29.43 | Pass |
| 151 | 5755 | 22.61 | 22.32 | 23.87 | 23.67 | 829.588 | 29.19 | 29.43 | Pass |
| 159 | 5795 | 22.77 | 22.46 | 24.05 | 23.45 | 840.839 | 29.25 | 29.43 | Pass |

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional Gain By Client.
3. For U-NII-1, the directional gain is 6.65 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.65-6) = 29.35 dBm.
4. For U-NII-2A, the directional gain is 6.69 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.69-6)].
5. For U-NII-2C, the directional gain is 6.27 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.27-6)].
6. For U-NII-3, the directional gain is 6.57 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.57-6) = 29.43 dBm.

## 802.11ax (HE80) Beamforming

| Chan. | Chan. Freq. (MHz) | Average Power (dBm) | | | | Total Power (mW) | Total Power (dBm) | Power Limit (dBm) | Test Result |
|---|---|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | Chain 3 | | | | |
| 42 | 5210 | 21.44 | 20.54 | 19.96 | 20.43 | 462.047 | 26.65 | 29.35 | Pass |
| 58 | 5290 | 17.95 | 17.94 | 16.34 | 16.58 | 213.155 | 23.29 | 23.31 | Pass |
| 106 | 5530 | 17.74 | 17.60 | 16.85 | 16.89 | 214.256 | 23.31 | 23.73 | Pass |
| 122 | 5610 | 17.24 | 16.62 | 17.30 | 16.87 | 201.23 | 23.04 | 23.73 | Pass |
| *138 (U-NII-2C) | 5690 | 16.92 | 16.36 | 17.13 | 16.29 | 186.657 | 22.71 | 23.73 | Pass |
| *138 (U-NII-3) | 5690 | 2.87 | 3.13 | 3.70 | 2.44 | 8.09 | 9.08 | 29.43 | Pass |
| 155 | 5775 | 23.46 | 23.36 | 22.81 | 22.61 | 811.965 | 29.10 | 29.43 | Pass |

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional Gain By Client.
3. For U-NII-1, the directional gain is 6.65 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.65-6) = 29.35 dBm.
4. For U-NII-2A, the directional gain is 6.69 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.69-6)].
5. For U-NII-2C, the directional gain is 6.27 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.27-6)].
6. For U-NII-3, the directional gain is 6.57 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.57-6) = 29.43 dBm.

## 802.11ax (HE160) Beamforming

| Chan. | Chan. Freq. (MHz) | Average Power (dBm) | | | | Total Power (mW) | Total Power (dBm) | Power Limit (dBm) | Test Result |
|---|---|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | Chain 3 | | | | |
| *50 (U-NII-1) | 5250 | 14.15 | 14.83 | 13.99 | 13.33 | 102.999 | 20.13 | 29.35 | Pass |
| *50 (U-NII-2A) | 5250 | 14.55 | 14.63 | 14.28 | 14.30 | 111.257 | 20.46 | 23.31 | Pass |
| 114 | 5570 | 17.45 | 17.88 | 17.01 | 16.36 | 210.452 | 23.23 | 23.73 | Pass |

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional Gain By Client.
3. For U-NII-1, the directional gain is 6.65 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.65-6) = 29.35 dBm.
4. For U-NII-2A, the directional gain is 6.69 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.69-6)].
5. For U-NII-2C, the directional gain is 6.27 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.27-6)].

## Mode B

| Input Power: | 120 Vac, 60 Hz | Environmental Conditions: | 25°C, 60% RH | Tested By: | Eric Peng |
|---|---|---|---|---|---|

## 802.11a CDD

| Chan. | Chan. Freq. (MHz) | Average Power (dBm) | | | Total Power (mW) | Total Power (dBm) | Power Limit (dBm) | Test Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | | | | |
| 36 | 5180 | 23.84 | 23.87 | 24.19 | 748.306 | 28.74 | 30 | Pass |
| 40 | 5200 | 25.15 | 24.15 | 24.25 | 853.429 | 29.31 | 30 | Pass |
| 48 | 5240 | 25.12 | 24.12 | 24.08 | 839.172 | 29.24 | 30 | Pass |
| 52 | 5260 | 18.53 | 18.81 | 18.69 | 221.278 | 23.45 | 24 | Pass |
| 60 | 5300 | 18.60 | 18.77 | 18.73 | 222.424 | 23.47 | 24 | Pass |
| 64 | 5320 | 18.57 | 18.85 | 18.65 | 221.964 | 23.46 | 24 | Pass |
| 100 | 5500 | 18.86 | 19.02 | 18.25 | 223.547 | 23.49 | 24 | Pass |
| 116 | 5580 | 18.83 | 19.06 | 18.27 | 224.064 | 23.50 | 24 | Pass |
| 140 | 5700 | 18.82 | 19.10 | 19.24 | 241.437 | 23.83 | 24 | Pass |
| *144 (U-NII-2C) | 5720 | 16.48 | 16.79 | 16.61 | 138.03 | 21.40 | 22.93 | Pass |
| *144 (U-NII-3) | 5720 | 10.11 | 10.75 | 10.58 | 33.57 | 15.26 | 30 | Pass |
| 149 | 5745 | 24.96 | 25.07 | 25.40 | 981.431 | 29.92 | 30 | Pass |
| 157 | 5785 | 24.93 | 25.19 | 25.32 | 981.949 | 29.92 | 30 | Pass |
| 165 | 5825 | 25.26 | 24.91 | 25.16 | 973.575 | 29.88 | 30 | Pass |

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 2.84 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.04 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.23 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 2.91 dBi < 6 dBi, so the output power limit shall not be reduced.

## 802.11ax (HE20) CDD

| Chan. | Chan. Freq. (MHz) | Average Power (dBm) | | | Total Power (mW) | Total Power (dBm) | Power Limit (dBm) | Test Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | | | | |
| 36 | 5180 | 23.03 | 22.23 | 22.36 | 540.205 | 27.33 | 30 | Pass |
| 40 | 5200 | 25.16 | 24.36 | 24.77 | 900.909 | 29.55 | 30 | Pass |
| 48 | 5240 | 25.14 | 24.29 | 24.76 | 894.349 | 29.52 | 30 | Pass |
| 52 | 5260 | 19.04 | 18.90 | 18.95 | 236.316 | 23.73 | 24 | Pass |
| 60 | 5300 | 19.06 | 18.94 | 18.97 | 237.767 | 23.76 | 24 | Pass |
| 64 | 5320 | 18.97 | 18.88 | 18.96 | 234.859 | 23.71 | 24 | Pass |
| 100 | 5500 | 18.93 | 18.94 | 19.13 | 238.352 | 23.77 | 24 | Pass |
| 116 | 5580 | 18.95 | 18.96 | 18.92 | 235.211 | 23.71 | 24 | Pass |
| 140 | 5700 | 18.88 | 18.89 | 18.94 | 233.057 | 23.67 | 24 | Pass |
| *144 (U-NII-2C) | 5720 | 16.75 | 16.56 | 16.43 | 136.559 | 21.35 | 22.98 | Pass |
| *144 (U-NII-3) | 5720 | 11.31 | 11.20 | 11.10 | 39.586 | 15.98 | 30 | Pass |
| 149 | 5745 | 24.94 | 24.97 | 25.13 | 951.777 | 29.79 | 30 | Pass |
| 157 | 5785 | 24.87 | 25.03 | 24.96 | 938.651 | 29.73 | 30 | Pass |
| 165 | 5825 | 25.00 | 24.86 | 25.06 | 943.051 | 29.75 | 30 | Pass |

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 2.84 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.04 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.23 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 2.91 dBi < 6 dBi, so the output power limit shall not be reduced.

## 802.11ax (HE40) CDD

| Chan. | Chan. Freq. (MHz) | Average Power (dBm) | | | Total Power (mW) | Total Power (dBm) | Power Limit (dBm) | Test Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | | | | |
| 38 | 5190 | 21.24 | 20.57 | 20.68 | 364.02 | 25.61 | 30 | Pass |
| 46 | 5230 | 24.83 | 24.34 | 24.43 | 853.064 | 29.31 | 30 | Pass |
| 54 | 5270 | 18.98 | 19.05 | 19.09 | 240.517 | 23.81 | 24 | Pass |
| 62 | 5310 | 17.87 | 17.92 | 17.98 | 185.985 | 22.69 | 24 | Pass |
| 102 | 5510 | 17.81 | 17.85 | 17.94 | 183.579 | 22.64 | 24 | Pass |
| 110 | 5550 | 19.22 | 19.06 | 19.12 | 245.756 | 23.91 | 24 | Pass |
| 134 | 5670 | 19.13 | 19.04 | 19.05 | 242.367 | 23.84 | 24 | Pass |
| *142 (U-NII-2C) | 5710 | 17.03 | 17.22 | 17.07 | 154.122 | 21.88 | 24 | Pass |
| *142 (U-NII-3) | 5710 | 7.14 | 7.47 | 7.45 | 16.32 | 12.13 | 30 | Pass |
| 151 | 5755 | 25.06 | 25.14 | 25.03 | 965.635 | 29.85 | 30 | Pass |
| 159 | 5795 | 25.11 | 25.15 | 25.06 | 972.307 | 29.88 | 30 | Pass |

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 2.84 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.04 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.23 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 2.91 dBi < 6 dBi, so the output power limit shall not be reduced.

## 802.11ax (HE80) CDD

| Chan. | Chan. Freq. (MHz) | Average Power (dBm) | | | Total Power (mW) | Total Power (dBm) | Power Limit (dBm) | Test Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | | | | |
| 42 | 5210 | 21.32 | 21.46 | 21.49 | 416.407 | 26.20 | 30 | Pass |
| 58 | 5290 | 19.25 | 18.88 | 18.81 | 237.44 | 23.76 | 24 | Pass |
| 106 | 5530 | 19.02 | 19.08 | 19.11 | 242.179 | 23.84 | 24 | Pass |
| 122 | 5610 | 19.05 | 19.12 | 19.14 | 244.046 | 23.87 | 24 | Pass |
| *138 (U-NII-2C) | 5690 | 16.94 | 17.94 | 17.31 | 165.488 | 22.19 | 24 | Pass |
| *138 (U-NII-3) | 5690 | 3.24 | 4.48 | 3.98 | 7.414 | 8.70 | 30 | Pass |
| 155 | 5775 | 24.12 | 24.29 | 24.32 | 797.156 | 29.02 | 30 | Pass |

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 2.84 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.04 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.23 dBi < 6 dBi, so the output power limit shall not be reduced.
6. For U-NII-3, the maximum gain is 2.91 dBi < 6 dBi, so the output power limit shall not be reduced.

## 802.11ax (HE160) CDD

| Chan. | Chan. Freq. (MHz) | Average Power (dBm) | | | Total Power (mW) | Total Power (dBm) | Power Limit (dBm) | Test Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | | | | |
| *50 (U-NII-1) | 5250 | 14.20 | 14.65 | 14.25 | 82.084 | 19.14 | 30 | Pass |
| *50 (U-NII-2A) | 5250 | 14.94 | 14.83 | 14.60 | 90.438 | 19.56 | 24 | Pass |
| 114 | 5570 | 18.32 | 18.44 | 18.45 | 207.728 | 23.17 | 24 | Pass |

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 2.84 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 3.04 dBi < 6 dBi, so the output power limit shall not be reduced.
5. For U-NII-2C, the maximum gain is 3.23 dBi < 6 dBi, so the output power limit shall not be reduced.

## 802.11ax (HE20) Beamforming

| Chan. | Chan. Freq. (MHz) | Average Power (dBm) | | | Total Power (mW) | Total Power (dBm) | Power Limit (dBm) | Test Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | | | | |
| 36 | 5180 | 23.03 | 22.23 | 22.36 | 540.205 | 27.33 | 30 | Pass |
| 40 | 5200 | 25.16 | 24.36 | 24.77 | 900.909 | 29.55 | 30 | Pass |
| 48 | 5240 | 25.14 | 24.29 | 24.76 | 894.349 | 29.52 | 30 | Pass |
| 52 | 5260 | 18.55 | 18.87 | 18.94 | 227.048 | 23.56 | 23.6 | Pass |
| 60 | 5300 | 18.56 | 18.84 | 18.91 | 226.143 | 23.54 | 23.6 | Pass |
| 64 | 5320 | 18.57 | 18.81 | 18.92 | 225.961 | 23.54 | 23.6 | Pass |
| 100 | 5500 | 18.93 | 18.94 | 19.13 | 238.352 | 23.77 | 23.84 | Pass |
| 116 | 5580 | 18.95 | 18.96 | 18.92 | 235.211 | 23.71 | 23.84 | Pass |
| 140 | 5700 | 18.88 | 18.89 | 18.94 | 233.057 | 23.67 | 23.84 | Pass |
| *144 (U-NII-2C) | 5720 | 16.75 | 16.56 | 16.43 | 136.559 | 21.35 | 22.82 | Pass |
| *144 (U-NII-3) | 5720 | 11.31 | 11.20 | 11.10 | 39.586 | 15.98 | 29.82 | Pass |
| 149 | 5745 | 24.94 | 24.97 | 25.13 | 951.777 | 29.79 | 29.82 | Pass |
| 157 | 5785 | 24.87 | 25.03 | 24.96 | 938.651 | 29.73 | 29.82 | Pass |
| 165 | 5825 | 25.00 | 24.86 | 25.06 | 943.051 | 29.75 | 29.82 | Pass |

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 5.87 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 6.4 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.4-6)].
5. For U-NII-2C, the maximum gain is 6.16 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.16-6)].
6. For U-NII-3, the maximum gain is 6.18 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.18-6) = 29.82 dBm.

## 802.11ax (HE40) Beamforming

| Chan. | Chan. Freq. (MHz) | Average Power (dBm) | | | Total Power (mW) | Total Power (dBm) | Power Limit (dBm) | Test Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | | | | |
| 38 | 5190 | 21.24 | 20.57 | 20.68 | 364.02 | 25.61 | 30 | Pass |
| 46 | 5230 | 24.83 | 24.34 | 24.43 | 853.064 | 29.31 | 30 | Pass |
| 54 | 5270 | 18.66 | 18.75 | 18.86 | 225.354 | 23.53 | 23.6 | Pass |
| 62 | 5310 | 17.87 | 17.92 | 17.98 | 185.985 | 22.69 | 23.6 | Pass |
| 102 | 5510 | 17.81 | 17.85 | 17.94 | 183.579 | 22.64 | 23.84 | Pass |
| 110 | 5550 | 19.02 | 18.96 | 19.12 | 240.162 | 23.81 | 23.84 | Pass |
| 134 | 5670 | 18.95 | 19.01 | 18.99 | 237.39 | 23.75 | 23.84 | Pass |
| *142 (U-NII-2C) | 5710 | 17.03 | 17.22 | 17.07 | 154.122 | 21.88 | 23.84 | Pass |
| *142 (U-NII-3) | 5710 | 7.14 | 7.47 | 7.45 | 16.32 | 12.13 | 29.82 | Pass |
| 151 | 5755 | 25.01 | 24.96 | 25.08 | 952.392 | 29.79 | 29.82 | Pass |
| 159 | 5795 | 25.03 | 24.98 | 25.07 | 954.561 | 29.80 | 29.82 | Pass |

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 5.87 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 6.4 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.4-6)].
5. For U-NII-2C, the maximum gain is 6.16 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.16-6)].
6. For U-NII-3, the maximum gain is 6.18 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.18-6) = 29.82 dBm.

## 802.11ax (HE80) Beamforming

| Chan. | Chan. Freq. (MHz) | Average Power (dBm) | | | Total Power (mW) | Total Power (dBm) | Power Limit (dBm) | Test Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | | | | |
| 42 | 5210 | 21.32 | 21.46 | 21.49 | 416.407 | 26.20 | 30 | Pass |
| 58 | 5290 | 18.85 | 18.78 | 18.71 | 226.547 | 23.55 | 23.6 | Pass |
| 106 | 5530 | 18.92 | 19.03 | 19.08 | 238.876 | 23.78 | 23.84 | Pass |
| 122 | 5610 | 19.01 | 19.05 | 19.07 | 240.692 | 23.81 | 23.84 | Pass |
| *138 (U-NII-2C) | 5690 | 16.94 | 17.94 | 17.31 | 165.488 | 22.19 | 23.84 | Pass |
| *138 (U-NII-3) | 5690 | 3.24 | 4.48 | 3.98 | 7.414 | 8.70 | 29.82 | Pass |
| 155 | 5775 | 24.12 | 24.29 | 24.32 | 797.156 | 29.02 | 29.82 | Pass |

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 5.87 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 6.4 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.4-6)].
5. For U-NII-2C, the maximum gain is 6.16 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.16-6)].
6. For U-NII-3, the maximum gain is 6.18 dBi > 6 dBi, so the output power limit shall be reduced to 30-(6.18-6) = 29.82 dBm.

## 802.11ax (HE160) Beamforming

| Chan. | Chan. Freq. (MHz) | Average Power (dBm) | | | Total Power (mW) | Total Power (dBm) | Power Limit (dBm) | Test Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | | | | |
| *50 (U-NII-1) | 5250 | 14.20 | 14.65 | 14.25 | 82.084 | 19.14 | 30 | Pass |
| *50 (U-NII-2A) | 5250 | 14.94 | 14.83 | 14.60 | 90.438 | 19.56 | 23.6 | Pass |
| 114 | 5570 | 18.32 | 18.44 | 18.45 | 207.728 | 23.17 | 23.84 | Pass |

Notes:

1. * : Test was performed in accordance with measurement follow FCC KDB 789033 UNII test procedure Method SA-1 and use spectrum analyzer test.
2. Directional gain is the maximum gain of antennas.
3. For U-NII-1, the maximum gain is 5.87 dBi < 6 dBi, so the output power limit shall not be reduced.
4. For U-NII-2A, the maximum gain is 6.4 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.4-6)].
5. For U-NII-2C, the maximum gain is 6.16 dBi > 6 dBi, so the output power limit shall be reduced to [Determined Conducted Power Limit-(6.16-6)].

## 7.3 Power Spectral Density

### Mode A

| Input Power: | 120 Vac, 60 Hz | Environmental Conditions: | 23 °C, 66 % RH | Tested By: | Eric Peng |
|---|---|---|---|---|---|

### 802.11a

| Chan. | Chan. Freq. (MHz) | PSD (dBm/MHz) | | | | Total PSD (dBm/MHz) | Max. PSD Limit (dBm/MHz) | Test Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | Chain 3 | | | |
| 36 | 5180 | 10.40 | 9.99 | 9.83 | 10.21 | 16.13 | 16.35 | Pass |
| 40 | 5200 | 9.54 | 9.38 | 8.79 | 9.66 | 15.38 | 16.35 | Pass |
| 48 | 5240 | 9.60 | 9.39 | 9.14 | 9.74 | 15.49 | 16.35 | Pass |
| 52 | 5260 | 3.21 | 4.15 | 2.61 | 3.56 | 9.44 | 10.31 | Pass |
| 60 | 5300 | 3.25 | 4.05 | 2.59 | 3.54 | 9.41 | 10.31 | Pass |
| 64 | 5320 | 3.05 | 3.95 | 2.42 | 3.58 | 9.31 | 10.31 | Pass |
| 100 | 5500 | 3.97 | 4.63 | 3.39 | 3.57 | 9.94 | 10.73 | Pass |
| 116 | 5580 | 3.70 | 4.79 | 3.23 | 3.06 | 9.77 | 10.73 | Pass |
| 140 | 5700 | 3.84 | 4.71 | 3.13 | 3.76 | 9.92 | 10.73 | Pass |
| 144 (U-NII-2C) | 5720 | 3.65 | 4.51 | 2.69 | 3.62 | 9.69 | 10.73 | Pass |

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional Gain By Client.
3. For U-NII-1, the directional gain is 6.65 dBi > 6dBi, so the power density limit shall be reduced to 17-(6.65-6) = 16.35 dBm/MHz.
4. For U-NII-2A, the directional gain is 6.69 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.69-6) = 10.31 dBm/MHz.
5. For U-NII-2C, the directional gain is 6.27 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.27-6) = 10.73 dBm/MHz.

## 802.11ax (HE20)

| Chan. | Chan. Freq. (MHz) | PSD (dBm/MHz) | | | | Total PSD (dBm/MHz) | Max. PSD Limit (dBm/MHz) | Test Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | Chain 3 | | | |
| 36 | 5180 | 9.61 | 9.27 | 8.75 | 9.11 | 15.22 | 16.35 | Pass |
| 40 | 5200 | 9.48 | 9.50 | 8.61 | 9.61 | 15.34 | 16.35 | Pass |
| 48 | 5240 | 9.54 | 9.35 | 8.66 | 2.45 | 14.27 | 16.35 | Pass |
| 52 | 5260 | 3.05 | 4.03 | 2.47 | 3.63 | 9.36 | 10.31 | Pass |
| 60 | 5300 | 2.97 | 3.84 | 2.33 | 3.61 | 9.25 | 10.31 | Pass |
| 64 | 5320 | 3.01 | 3.89 | 2.39 | 3.55 | 9.27 | 10.31 | Pass |
| 100 | 5500 | 3.05 | 3.83 | 2.67 | 2.58 | 9.08 | 10.73 | Pass |
| 116 | 5580 | 3.22 | 3.96 | 2.33 | 2.52 | 9.08 | 10.73 | Pass |
| 140 | 5700 | 2.96 | 3.86 | 2.17 | 3.03 | 9.07 | 10.73 | Pass |
| 144 (U-NII-2C) | 5720 | 2.78 | 4.04 | 2.17 | 2.83 | 9.03 | 10.73 | Pass |

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional Gain By Client.
3. For U-NII-1, the directional gain is 6.65 dBi > 6dBi, so the power density limit shall be reduced to 17-(6.65-6) = 16.35 dBm/MHz.
4. For U-NII-2A, the directional gain is 6.69 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.69-6) = 10.31 dBm/MHz.
5. For U-NII-2C, the directional gain is 6.27 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.27-6) = 10.73 dBm/MHz.

## 802.11ax (HE40)

| Chan. | Chan. Freq. (MHz) | PSD (dBm/MHz) | | | | Total PSD (dBm/MHz) | Max. PSD Limit (dBm/MHz) | Test Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | Chain 3 | | | |
| 38 | 5190 | 5.13 | 4.19 | 3.75 | 4.19 | 10.37 | 16.35 | Pass |
| 46 | 5230 | 7.58 | 6.95 | 6.52 | 7.19 | 13.10 | 16.35 | Pass |
| 54 | 5270 | 3.00 | 3.82 | 2.24 | 2.35 | 8.92 | 10.31 | Pass |
| 62 | 5310 | 1.44 | 1.91 | 0.72 | 0.97 | 7.30 | 10.31 | Pass |
| 102 | 5510 | 1.56 | 1.89 | 0.87 | 1.16 | 7.41 | 10.73 | Pass |
| 110 | 5550 | 3.01 | 3.41 | 2.11 | 2.27 | 8.75 | 10.73 | Pass |
| 134 | 5670 | 3.62 | 3.75 | 2.14 | 2.63 | 9.11 | 10.73 | Pass |
| 142 (U-NII-2C) | 5710 | 3.83 | 3.71 | 2.25 | 2.41 | 9.13 | 10.73 | Pass |

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional Gain By Client.
3. For U-NII-1, the directional gain is 6.65 dBi > 6dBi, so the power density limit shall be reduced to 17-(6.65-6) = 16.35 dBm/MHz.
4. For U-NII-2A, the directional gain is 6.69 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.69-6) = 10.31 dBm/MHz.
5. For U-NII-2C, the directional gain is 6.27 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.27-6) = 10.73 dBm/MHz.

## 802.11ax (HE80)

| Chan. | Chan. Freq. (MHz) | PSD (dBm/MHz) | | | | Total PSD (dBm/MHz) | Max. PSD Limit (dBm/MHz) | Test Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | Chain 3 | | | |
| 42 | 5210 | 2.86 | 1.96 | 1.51 | 2.58 | 8.28 | 16.35 | Pass |
| 58 | 5290 | -0.19 | 0.91 | -1.32 | -1.53 | 5.60 | 10.31 | Pass |
| 106 | 5530 | -0.34 | 0.30 | -1.25 | -0.76 | 5.55 | 10.73 | Pass |
| 122 | 5610 | 0.82 | 0.64 | -0.35 | -0.43 | 6.23 | 10.73 | Pass |
| 138 (U-NII-2C) | 5690 | 0.66 | 0.72 | -0.15 | -0.63 | 6.21 | 10.73 | Pass |

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional Gain By Client.
3. For U-NII-1, the directional gain is 6.65 dBi > 6dBi, so the power density limit shall be reduced to 17-(6.65-6) = 16.35 dBm/MHz.
4. For U-NII-2A, the directional gain is 6.69 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.69-6) = 10.31 dBm/MHz.
5. For U-NII-2C, the directional gain is 6.27 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.27-6) = 10.73 dBm/MHz.

### 802.11ax (HE160)

| Chan. | Chan. Freq. (MHz) | PSD (dBm/MHz) | | | | Total PSD (dBm/MHz) | Max. PSD Limit (dBm/MHz) | Test Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | Chain 3 | | | |
| 50 (U-NII-1) | 5250 | -2.39 | -2.39 | -3.00 | -3.41 | 3.24 | 16.35 | Pass |
| 50 (U-NII-2A) | 5250 | -2.55 | -2.70 | -3.00 | -2.77 | 3.27 | 10.31 | Pass |
| 114 | 5570 | -3.54 | -3.09 | -4.39 | -4.09 | 2.27 | 10.73 | Pass |

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional Gain By Client.
3. For U-NII-1, the directional gain is 6.65 dBi > 6dBi, so the power density limit shall be reduced to 17-(6.65-6) = 16.35 dBm/MHz.
4. For U-NII-2A, the directional gain is 6.69 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.69-6) = 10.31 dBm/MHz.
5. For U-NII-2C, the directional gain is 6.27 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.27-6) = 10.73 dBm/MHz.

### 802.11a

| Chan. | Chan. Freq. (MHz) | PSD (dBm/300kHz) | | | | Total PSD (dBm/300kHz) | Total PSD (dBm/500kHz) | PSD Limit (dBm/500kHz) | Test Result |
|---|---|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | Chain 3 | | | | |
| 144 (U-NII-3) | 5720 | -0.39 | 0.35 | -1.08 | -1.31 | 5.46 | 7.68 | 29.43 | Pass |
| 149 | 5745 | 6.95 | 7.81 | 7.13 | 7.43 | 13.36 | 15.58 | 29.43 | Pass |
| 157 | 5785 | 6.80 | 7.84 | 7.07 | 7.18 | 13.26 | 15.48 | 29.43 | Pass |
| 165 | 5825 | 6.65 | 7.58 | 6.93 | 7.41 | 13.18 | 15.40 | 29.43 | Pass |

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional Gain By Client.
3. For U-NII-3, the directional gain is 6.57 dBi > 6 dBi, so the power density limit shall be reduced to 30-(6.57-6) = 29.43 dBm/500kHz.

### 802.11ax (HE20)

| Chan. | Chan. Freq. (MHz) | PSD (dBm/300kHz) | | | | Total PSD (dBm/300kHz) | Total PSD (dBm/500kHz) | PSD Limit (dBm/500kHz) | Test Result |
|---|---|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | Chain 3 | | | | |
| 144 (U-NII-3) | 5720 | 0.32 | 0.82 | -0.69 | -0.27 | 6.1 | 8.32 | 29.43 | Pass |
| 149 | 5745 | 6.69 | 7.44 | 6.84 | 7.19 | 13.07 | 15.29 | 29.43 | Pass |
| 157 | 5785 | 6.64 | 7.42 | 6.76 | 7.16 | 13.03 | 15.25 | 29.43 | Pass |
| 165 | 5825 | 6.47 | 7.18 | 6.54 | 7.17 | 12.87 | 15.09 | 29.43 | Pass |

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional Gain By Client.
3. For U-NII-3, the directional gain is 6.57 dBi > 6 dBi, so the power density limit shall be reduced to 30-(6.57-6) = 29.43 dBm/500kHz.

### 802.11ax (HE40)

| Chan. | Chan. Freq. (MHz) | PSD (dBm/300kHz) | | | | Total PSD (dBm/300kHz) | Total PSD (dBm/500kHz) | PSD Limit (dBm/500kHz) | Test Result |
|---|---|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | Chain 3 | | | | |
| 142 (U-NII-3) | 5710 | -2.25 | -2.12 | -3.37 | -3.36 | 3.29 | 5.51 | 29.43 | Pass |
| 151 | 5755 | 4.30 | 4.41 | 3.73 | 4.00 | 10.14 | 12.36 | 29.43 | Pass |
| 159 | 5795 | 4.14 | 4.37 | 3.48 | 3.99 | 10.03 | 12.25 | 29.43 | Pass |

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional Gain By Client.
3. For U-NII-3, the directional gain is 6.57 dBi > 6 dBi, so the power density limit shall be reduced to 30-(6.57-6) = 29.43 dBm/500kHz.

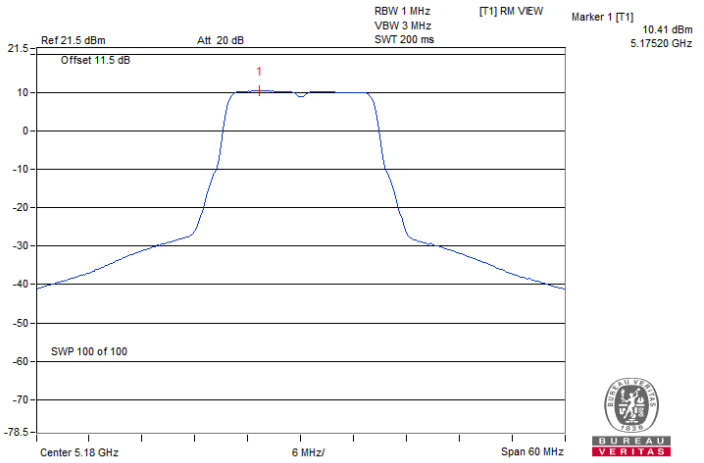
### 802.11ax (HE80)

| Chan. | Chan. Freq. (MHz) | PSD (dBm/300kHz) | | | | Total PSD (dBm/300kHz) | Total PSD (dBm/500kHz) | PSD Limit (dBm/500kHz) | Test Result |
|---|---|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | Chain 3 | | | | |
| 138 (U-NII-3) | 5690 | -6.33 | -5.48 | -6.59 | -7.28 | -0.35 | 1.87 | 29.43 | Pass |
| 155 | 5775 | 0.29 | 0.34 | -0.33 | -0.34 | 6.02 | 8.24 | 29.43 | Pass |

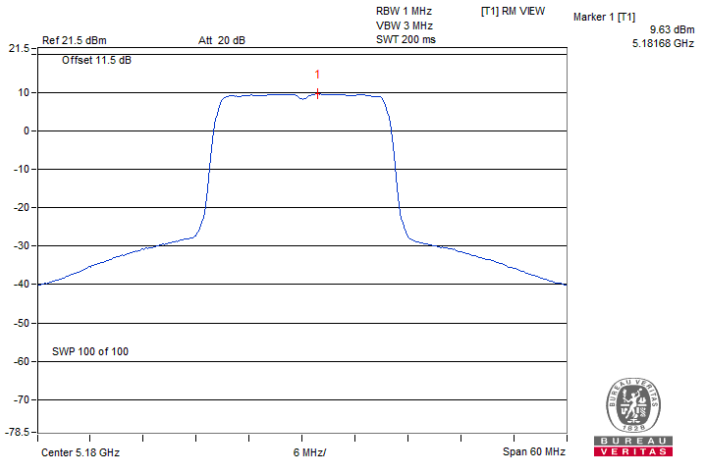
Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. Directional Gain By Client.
3. For U-NII-3, the directional gain is 6.57 dBi > 6 dBi, so the power density limit shall be reduced to 30-(6.57-6) = 29.43 dBm/500kHz.

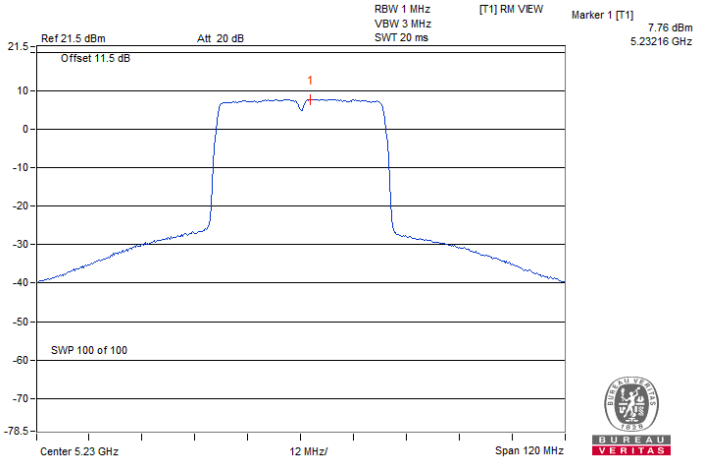
## Spectrum Plot of Maximum Value



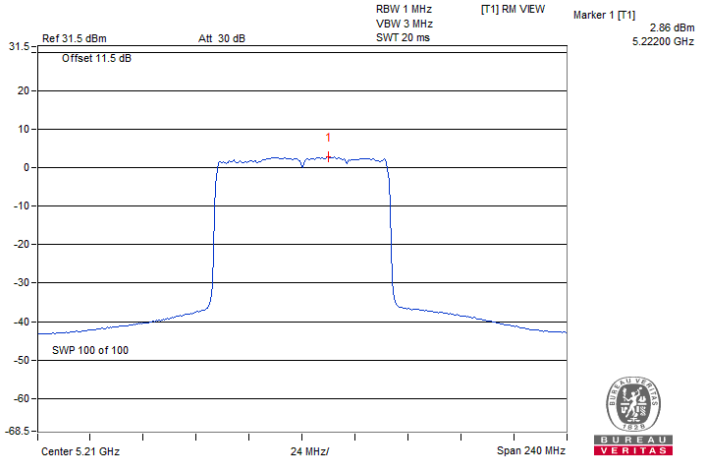

802.11a / Chain0 : CH 36



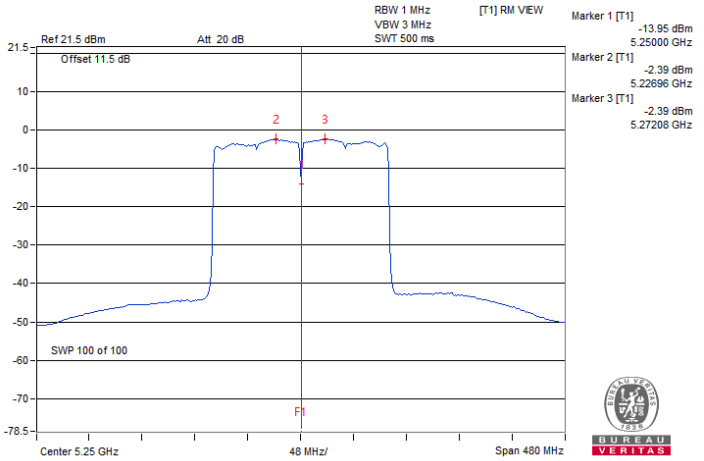

802.11ax (HE20) / Chain0 : CH 36



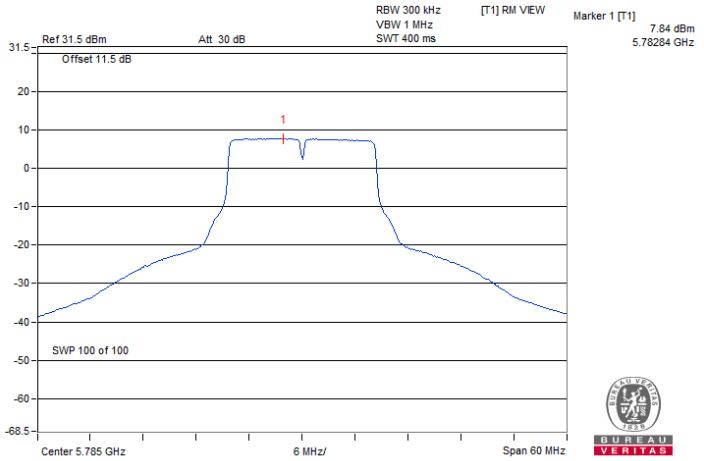

802.11ax (HE40) / Chain0 : CH 46




802.11ax (HE80) / Chain0 : CH 42

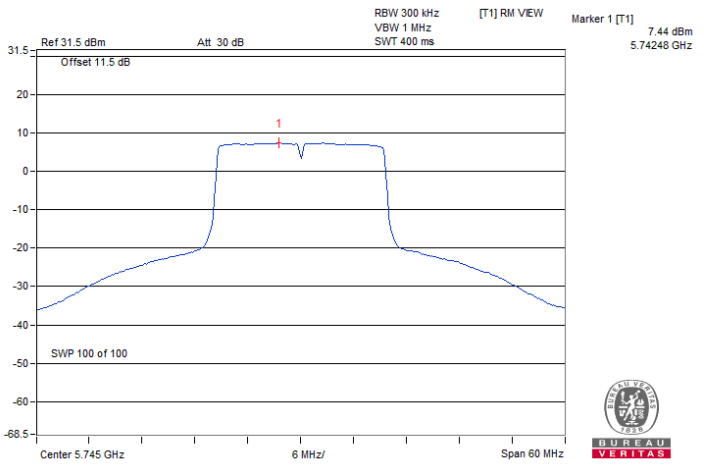



802.11ax (HE160) / Chain0 : CH 50 (U-NII-1)

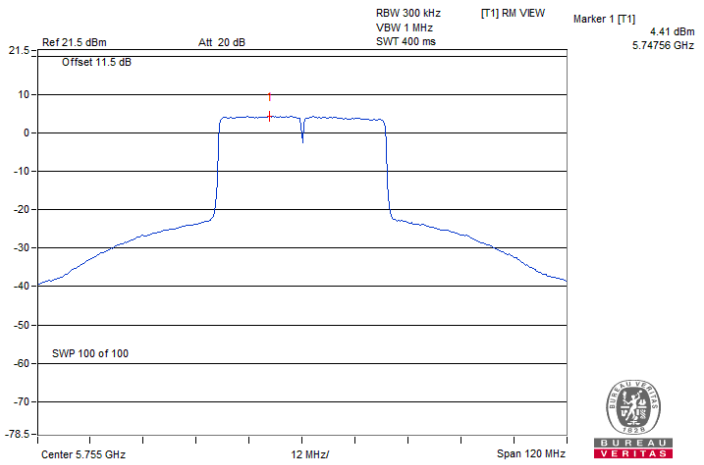



802.11a / Chain1 : CH 157

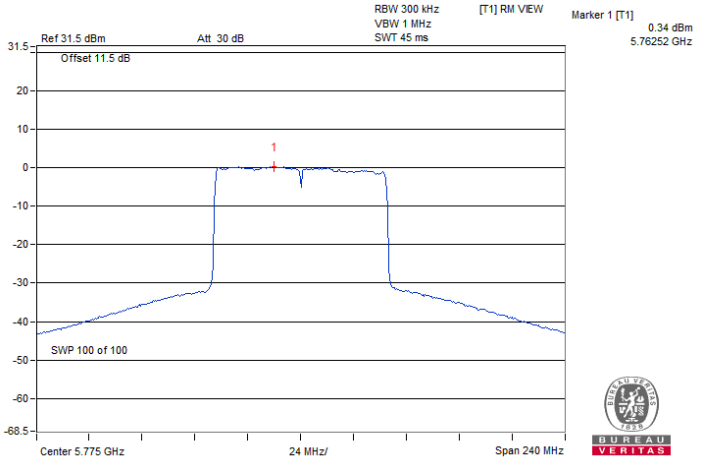
## Spectrum Plot of Maximum Value




802.11ax (HE20) / Chain1 : CH 149




802.11ax (HE40) / Chain1 : CH 151




802.11ax (HE80) / Chain1 : CH 155

## Mode B

| Input Power: | 120 Vac, 60 Hz | Environmental Conditions: | 25°C, 60% RH | Tested By: | Eric Peng |
|---|---|---|---|---|---|

## 802.11a

| Chan. | Chan. Freq. (MHz) | PSD (dBm/MHz) | | | Total PSD (dBm/MHz) | Max. PSD Limit (dBm/MHz) | Test Result |
|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | | | |
| 36 | 5180 | 11.59 | 10.98 | 11.71 | 16.21 | 17.00 | Pass |
| 40 | 5200 | 11.97 | 10.97 | 11.88 | 16.40 | 17.00 | Pass |
| 48 | 5240 | 12.19 | 11.07 | 12.32 | 16.67 | 17.00 | Pass |
| 52 | 5260 | 5.56 | 5.59 | 5.73 | 10.40 | 10.60 | Pass |
| 60 | 5300 | 6.01 | 5.77 | 5.33 | 10.48 | 10.60 | Pass |
| 64 | 5320 | 5.80 | 5.58 | 5.55 | 10.42 | 10.60 | Pass |
| 100 | 5500 | 5.85 | 6.39 | 5.74 | 10.77 | 10.84 | Pass |
| 116 | 5580 | 6.05 | 6.26 | 5.81 | 10.82 | 10.84 | Pass |
| 140 | 5700 | 6.15 | 5.98 | 5.61 | 10.69 | 10.84 | Pass |
| 144 (U-NII-2C) | 5720 | 6.10 | 5.87 | 5.98 | 10.76 | 10.84 | Pass |

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. For U-NII-1, the directional gain is 5.87 dBi < 6dBi, so the power density limit shall not be reduced.
3. For U-NII-2A, the directional gain is 6.4 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.4-6) = 10.6 dBm/MHz.
4. For U-NII-2C, the directional gain is 6.16 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.16-6) = 10.84 dBm/MHz.

### 802.11ax (HE20)

| Chan. | Chan. Freq. (MHz) | PSD (dBm/MHz) | | | Total PSD (dBm/MHz) | Max. PSD Limit (dBm/MHz) | Test Result |
|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | | | |
| 36 | 5180 | 10.70 | 9.31 | 9.99 | 14.81 | 17.00 | Pass |
| 40 | 5200 | 12.48 | 11.32 | 12.12 | 16.77 | 17.00 | Pass |
| 48 | 5240 | 12.34 | 11.39 | 12.61 | 16.92 | 17.00 | Pass |
| 52 | 5260 | 5.63 | 5.75 | 6.07 | 10.59 | 10.60 | Pass |
| 60 | 5300 | 6.02 | 5.55 | 5.84 | 10.58 | 10.60 | Pass |
| 64 | 5320 | 5.73 | 5.83 | 5.68 | 10.52 | 10.60 | Pass |
| 100 | 5500 | 5.79 | 6.19 | 6.14 | 10.81 | 10.84 | Pass |
| 116 | 5580 | 5.95 | 5.85 | 6.29 | 10.81 | 10.84 | Pass |
| 140 | 5700 | 6.30 | 5.98 | 5.68 | 10.77 | 10.84 | Pass |
| 144 (U-NII-2C) | 5720 | 6.54 | 5.90 | 5.54 | 10.78 | 10.84 | Pass |

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. For U-NII-1, the directional gain is 5.87 dBi < 6dBi, so the power density limit shall not be reduced.
3. For U-NII-2A, the directional gain is 6.4 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.4-6) = 10.6 dBm/MHz.
4. For U-NII-2C, the directional gain is 6.16 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.16-6) = 10.84 dBm/MHz.

### 802.11ax (HE40)

| Chan. | Chan. Freq. (MHz) | PSD (dBm/MHz) | | | Total PSD (dBm/MHz) | Max. PSD Limit (dBm/MHz) | Test Result |
|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | | | |
| 38 | 5190 | 6.09 | 5.63 | 4.83 | 10.32 | 17.00 | Pass |
| 46 | 5230 | 8.48 | 8.66 | 8.84 | 13.43 | 17.00 | Pass |
| 54 | 5270 | 2.76 | 3.23 | 3.21 | 7.84 | 10.60 | Pass |
| 62 | 5310 | 2.10 | 2.16 | 2.20 | 6.92 | 10.60 | Pass |
| 102 | 5510 | 2.32 | 2.13 | 2.45 | 7.07 | 10.84 | Pass |
| 110 | 5550 | 3.69 | 3.62 | 3.25 | 8.30 | 10.84 | Pass |
| 134 | 5670 | 3.66 | 3.07 | 3.23 | 8.10 | 10.84 | Pass |
| 142 (U-NII-2C) | 5710 | 3.32 | 3.36 | 3.32 | 8.10 | 10.84 | Pass |

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. For U-NII-1, the directional gain is 5.87 dBi < 6dBi, so the power density limit shall not be reduced.
3. For U-NII-2A, the directional gain is 6.4 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.4-6) = 10.6 dBm/MHz.
4. For U-NII-2C, the directional gain is 6.16 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.16-6) = 10.84 dBm/MHz.

### 802.11ax (HE80)

| Chan. | Chan. Freq. (MHz) | PSD (dBm/MHz) | | | Total PSD (dBm/MHz) | Max. PSD Limit (dBm/MHz) | Test Result |
|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | | | |
| 42 | 5210 | 2.43 | 2.87 | 2.48 | 7.37 | 17.00 | Pass |
| 58 | 5290 | 0.42 | 0.31 | 0.18 | 5.08 | 10.60 | Pass |
| 106 | 5530 | 0.74 | 0.24 | 0.48 | 5.26 | 10.84 | Pass |
| 122 | 5610 | 0.91 | 0.29 | 0.88 | 5.47 | 10.84 | Pass |
| 138 (U-NII-2C) | 5690 | 0.10 | 0.55 | 0.01 | 5.00 | 10.84 | Pass |

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. For U-NII-1, the directional gain is 5.87 dBi < 6dBi, so the power density limit shall not be reduced.
3. For U-NII-2A, the directional gain is 6.4 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.4-6) = 10.6 dBm/MHz.
4. For U-NII-2C, the directional gain is 6.16 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.16-6) = 10.84 dBm/MHz.

### 802.11ax (HE160)

| Chan. | Chan. Freq. (MHz) | PSD (dBm/MHz) | | | Total PSD (dBm/MHz) | Max. PSD Limit (dBm/MHz) | Test Result |
|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | | | |
| 50 (U-NII-1) | 5250 | -3.00 | -2.69 | -3.18 | 1.82 | 17.00 | Pass |
| 50 (U-NII-2A) | 5250 | -2.61 | -2.55 | -2.93 | 2.08 | 10.60 | Pass |
| 114 | 5570 | -2.84 | -2.50 | -2.86 | 2.04 | 10.84 | Pass |

Notes:

1. Method E) 2) a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. For U-NII-1, the directional gain is 5.87 dBi < 6dBi, so the power density limit shall not be reduced.
3. For U-NII-2A, the directional gain is 6.4 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.4-6) = 10.6 dBm/MHz.
4. For U-NII-2C, the directional gain is 6.16 dBi > 6 dBi, so the power density limit shall be reduced to 11-(6.16-6) = 10.84 dBm/MHz.

## 802.11a

| Chan. | Chan. Freq. (MHz) | PSD (dBm/300kHz) | | | Total PSD (dBm/300kHz) | Total PSD (dBm/500kHz) | PSD Limit (dBm/500kHz) | Test Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | | | | |
| 144 (U-NII-3) | 5720 | -1.39 | -0.79 | -0.79 | 3.79 | 6.01 | 29.82 | Pass |
| 149 | 5745 | 5.62 | 5.16 | 5.53 | 10.21 | 12.43 | 29.82 | Pass |
| 157 | 5785 | 5.33 | 5.61 | 5.13 | 10.13 | 12.35 | 29.82 | Pass |
| 165 | 5825 | 4.22 | 4.38 | 4.47 | 9.13 | 11.35 | 29.82 | Pass |

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. For U-NII-3, the directional gain is 6.18 dBi > 6 dBi, so the power density limit shall be reduced to 30-(6.18-6) = 29.82 dBm/500kHz.

## 802.11ax (HE20)

| Chan. | Chan. Freq. (MHz) | PSD (dBm/300kHz) | | | Total PSD (dBm/300kHz) | Total PSD (dBm/500kHz) | PSD Limit (dBm/500kHz) | Test Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | | | | |
| 144 (U-NII-3) | 5720 | -1.77 | -2.90 | -2.39 | 2.44 | 4.66 | 29.82 | Pass |
| 149 | 5745 | 4.15 | 3.82 | 3.87 | 8.72 | 10.94 | 29.82 | Pass |
| 157 | 5785 | 3.56 | 3.93 | 3.46 | 8.43 | 10.65 | 29.82 | Pass |
| 165 | 5825 | 3.21 | 3.72 | 3.62 | 8.29 | 10.51 | 29.82 | Pass |

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. For U-NII-3, the directional gain is 6.18 dBi > 6 dBi, so the power density limit shall be reduced to 30-(6.18-6) = 29.82 dBm/500kHz.

## 802.11ax (HE40)

| Chan. | Chan. Freq. (MHz) | PSD (dBm/300kHz) | | | Total PSD (dBm/300kHz) | Total PSD (dBm/500kHz) | PSD Limit (dBm/500kHz) | Test Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | | | | |
| 142 (U-NII-3) | 5710 | -5.71 | -6.07 | -5.96 | -1.14 | 1.08 | 29.82 | Pass |
| 151 | 5755 | 1.40 | 1.29 | 0.75 | 5.93 | 8.15 | 29.82 | Pass |
| 159 | 5795 | 0.76 | 1.02 | 0.88 | 5.66 | 7.88 | 29.82 | Pass |

Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. For U-NII-3, the directional gain is 6.18 dBi > 6 dBi, so the power density limit shall be reduced to 30-(6.18-6) = 29.82 dBm/500kHz.

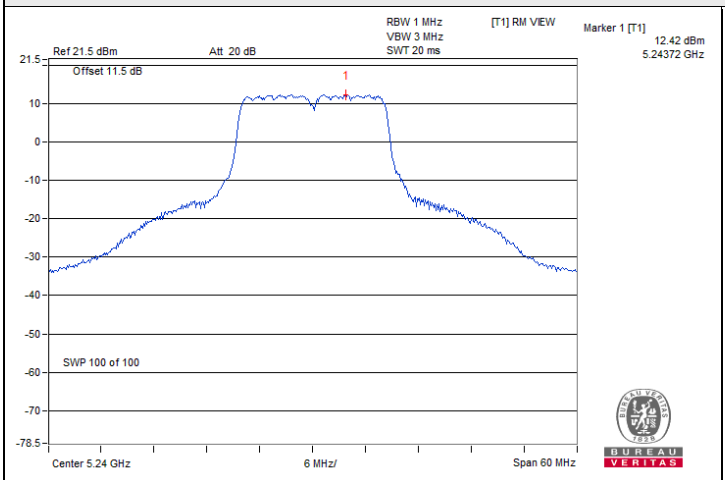
## 802.11ax (HE80)

| Chan. | Chan. Freq. (MHz) | PSD (dBm/300kHz) | | | Total PSD (dBm/300kHz) | Total PSD (dBm/500kHz) | PSD Limit (dBm/500kHz) | Test Result |
|---|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | | | | |
| 138 (U-NII-3) | 5690 | -9.88 | -9.80 | -9.88 | -5.08 | -2.86 | 29.82 | Pass |
| 155 | 5775 | -2.55 | -3.30 | -3.24 | 1.75 | 3.97 | 29.82 | Pass |

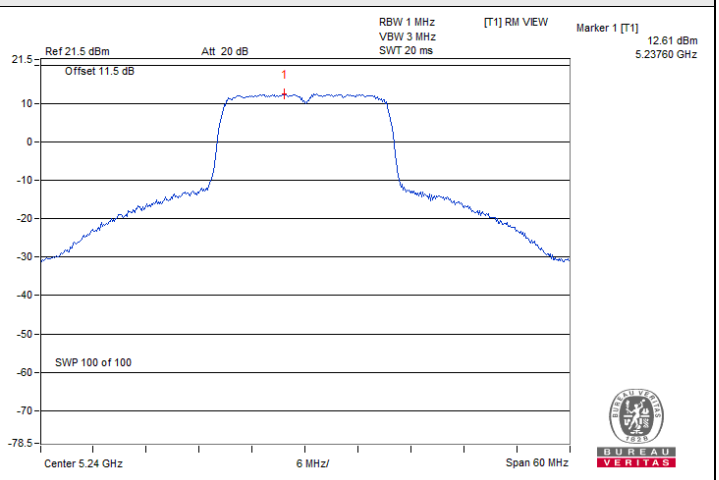
Notes:

1. Method E) 2) b) Measure and sum spectral maxima across the outputs of KDB 662911 is using for calculating total power density.
2. For U-NII-3, the directional gain is 6.18 dBi > 6 dBi, so the power density limit shall be reduced to 30-(6.18-6) = 29.82 dBm/500kHz.

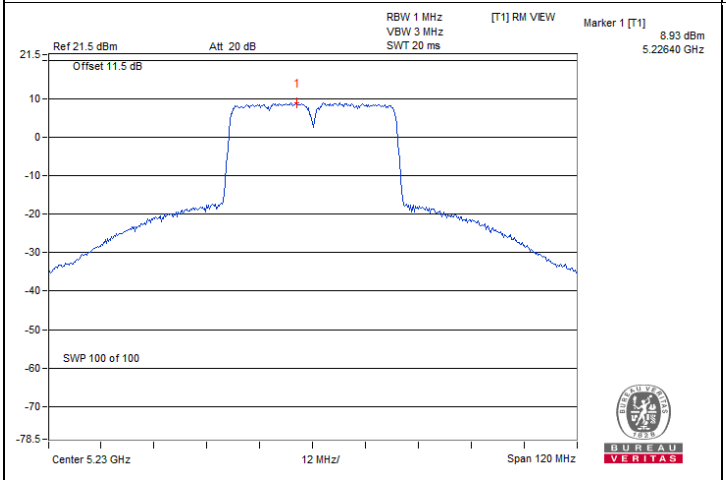
Spectrum Plot of Maximum Value



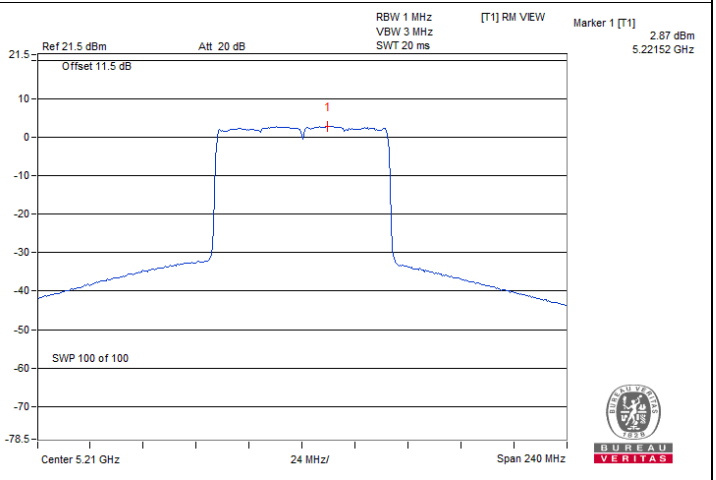

802.11a / Chain2 : CH 48




802.11ax (HE20) / Chain2 : CH 48

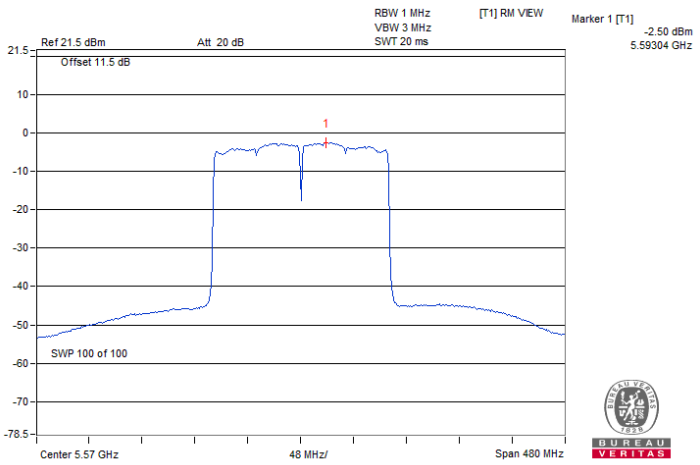



802.11ax (HE40) / Chain2 : CH 46

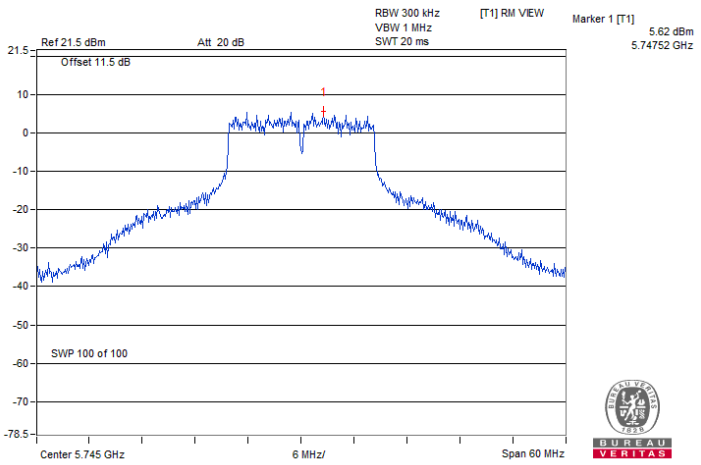



802.11ax (HE80) / Chain1 : CH 42

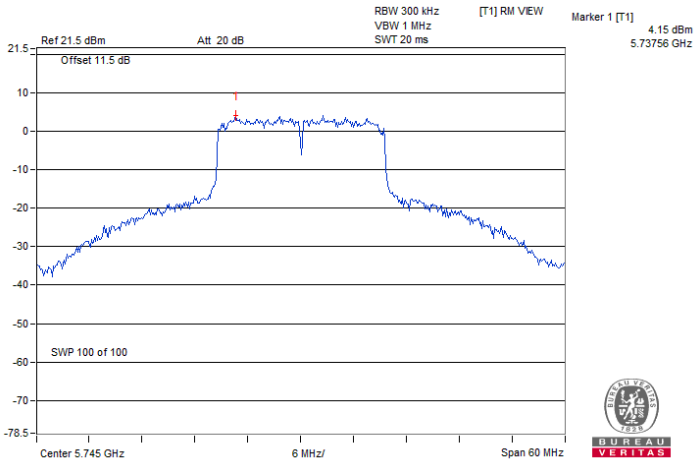
## Spectrum Plot of Maximum Value



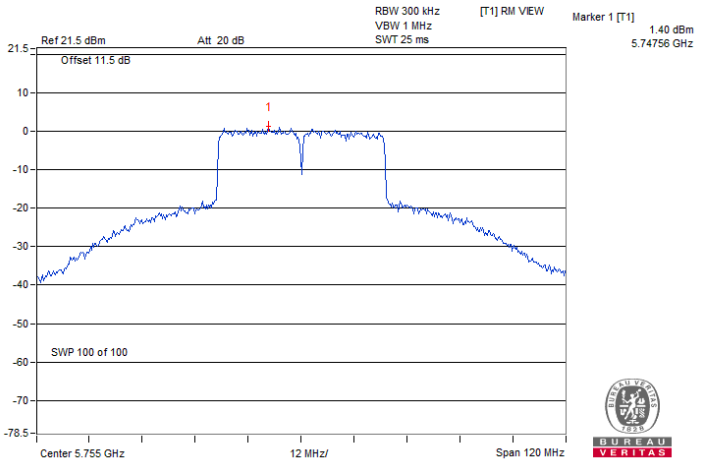

802.11ax (HE160) / Chain1 : CH 114



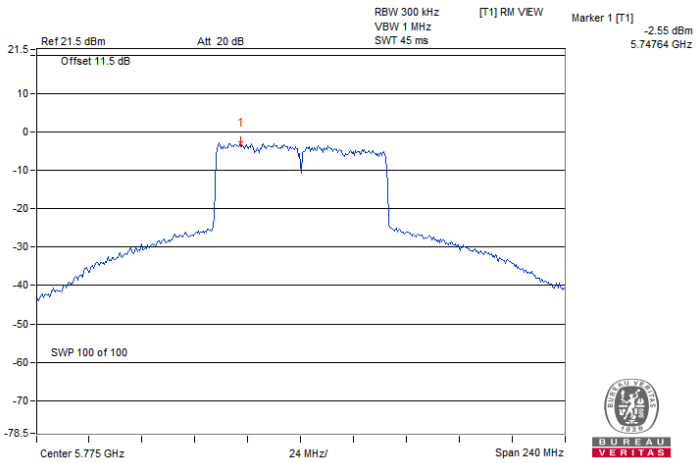

802.11a / Chain0 : CH 149




802.11ax (HE20) / Chain0 : CH 149




802.11ax (HE40) / Chain0 : CH 151




802.11ax (HE80) / Chain0 : CH 155

## 7.4 6 dB Bandwidth

### Mode A

| Input Power: | 120 Vac, 60 Hz | Environmental Conditions: | 23 °C, 66 % RH | Tested By: | Eric Peng |
|---|---|---|---|---|---|

### 802.11a

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | | | | Minimum Limit (MHz) | Test Result |
|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | Chain 3 | | |
| 144 (U-NII-3) | 5720 | 3.2 | 3.23 | 3.23 | 3.22 | 0.5 | Pass |
| 149 | 5745 | 16.42 | 16.45 | 16.46 | 16.46 | 0.5 | Pass |
| 157 | 5785 | 16.44 | 16.46 | 16.45 | 16.47 | 0.5 | Pass |
| 165 | 5825 | 16.46 | 16.46 | 16.45 | 16.46 | 0.5 | Pass |

### 802.11ax (HE20)

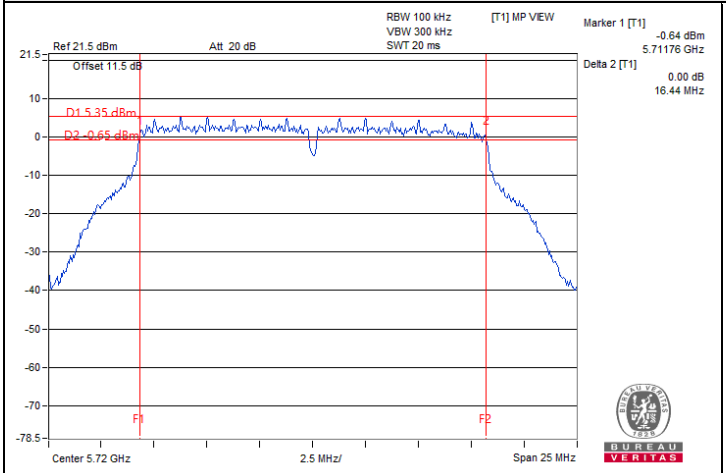
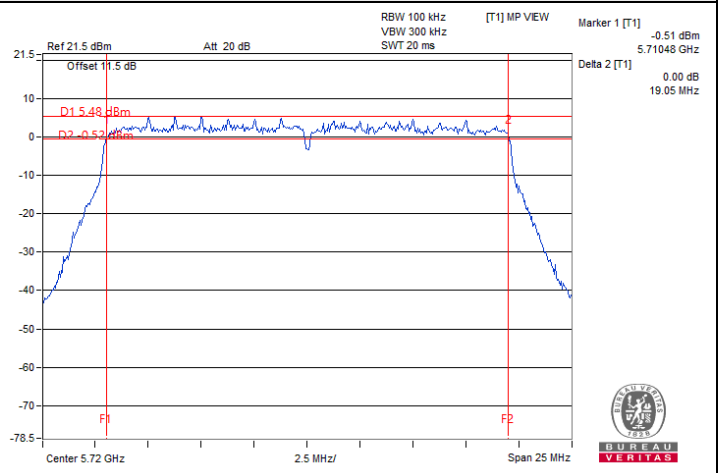
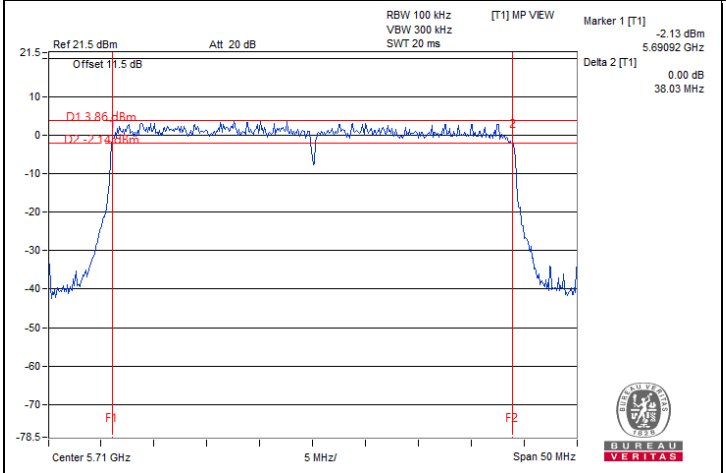
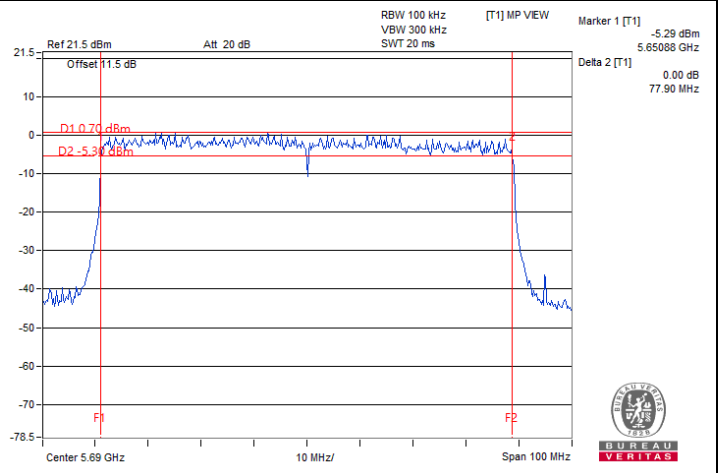
| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | | | | Minimum Limit (MHz) | Test Result |
|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | Chain 3 | | |
| 144 (U-NII-3) | 5720 | 4.56 | 4.54 | 4.56 | 4.53 | 0.5 | Pass |
| 149 | 5745 | 19.1 | 19.09 | 19.07 | 19.05 | 0.5 | Pass |
| 157 | 5785 | 19.13 | 19.11 | 19.1 | 19.11 | 0.5 | Pass |
| 165 | 5825 | 19.14 | 19.06 | 19.09 | 19.01 | 0.5 | Pass |

### 802.11ax (HE40)

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | | | | Minimum Limit (MHz) | Test Result |
|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | Chain 3 | | |
| 142 (U-NII-3) | 5710 | 3.95 | 3.98 | 3.95 | 3.98 | 0.5 | Pass |
| 151 | 5755 | 37.96 | 37.85 | 38.05 | 38 | 0.5 | Pass |
| 159 | 5795 | 38.04 | 37.83 | 37.92 | 38.1 | 0.5 | Pass |

### 802.11ax (HE80)

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | | | | Minimum Limit (MHz) | Test Result |
|---|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | Chain 3 | | |
| 138 (U-NII-3) | 5690 | 3.78 | 4.07 | 4 | 4.01 | 0.5 | Pass |
| 155 | 5775 | 78 | 78.14 | 78.12 | 78.33 | 0.5 | Pass |

| Spectrum Plot of Minimum Value | |
|---|---|
|  |  |
| 802.11a / Chain0 : CH 144 (U-NII-3) | 802.11ax (HE20) / Chain3 : CH 144 (U-NII-3) |
|  |  |
| 802.11ax (HE40) / Chain0 : CH 142 (U-NII-3) | 802.11ax (HE80) / Chain0 : CH 138 (U-NII-3) |

Notes:

1. For U-NII-3 straddle channel = Marker 1 + Delta 2 - 5725MHz

## Mode B

| Input Power: | 120 Vac, 60 Hz | Environmental Conditions: | 25°C, 60% RH | Tested By: | Eric Peng |
|---|---|---|---|---|---|

## 802.11a

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | | | Minimum Limit (MHz) | Test Result |
|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | | |
| 144 (U-NII-3) | 5720 | 3.22 | 3.24 | 3.23 | 0.5 | Pass |
| 149 | 5745 | 16.39 | 16.39 | 16.4 | 0.5 | Pass |
| 157 | 5785 | 16.36 | 16.39 | 16.39 | 0.5 | Pass |
| 165 | 5825 | 16.38 | 16.4 | 16.4 | 0.5 | Pass |

## 802.11ax (HE20)

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | | | Minimum Limit (MHz) | Test Result |
|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | | |
| 144 (U-NII-3) | 5720 | 4.54 | 4.52 | 4.57 | 0.5 | Pass |
| 149 | 5745 | 18.98 | 18.99 | 18.96 | 0.5 | Pass |
| 157 | 5785 | 18.86 | 18.95 | 18.99 | 0.5 | Pass |
| 165 | 5825 | 19.06 | 18.92 | 18.98 | 0.5 | Pass |

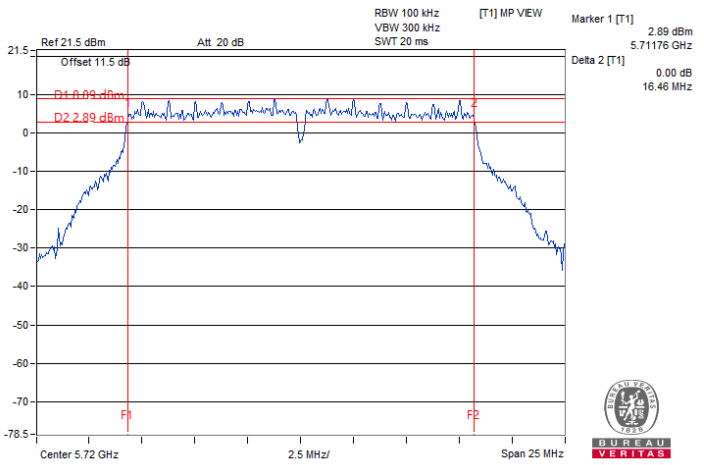
## 802.11ax (HE40)

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | | | Minimum Limit (MHz) | Test Result |
|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | | |
| 142 (U-NII-3) | 5710 | 4 | 3.81 | 4 | 0.5 | Pass |
| 151 | 5755 | 37.8 | 37.85 | 37.91 | 0.5 | Pass |
| 159 | 5795 | 37.9 | 37.88 | 37.92 | 0.5 | Pass |

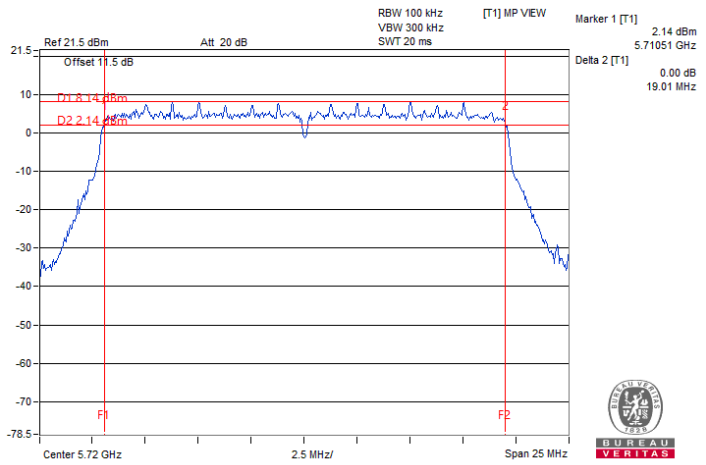
## 802.11ax (HE80)

| Channel | Frequency (MHz) | 6 dB Bandwidth (MHz) | | | Minimum Limit (MHz) | Test Result |
|---|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | | |
| 138 (U-NII-3) | 5690 | 3.81 | 3.94 | 3.83 | 0.5 | Pass |
| 155 | 5775 | 77.06 | 77.62 | 77.26 | 0.5 | Pass |

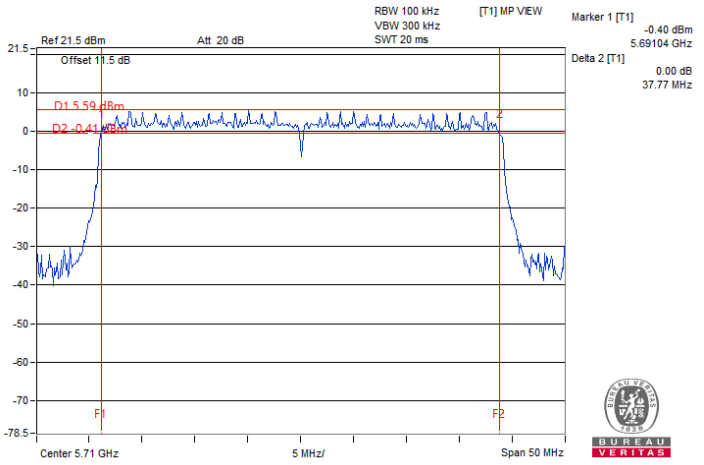
## Spectrum Plot of Minimum Value



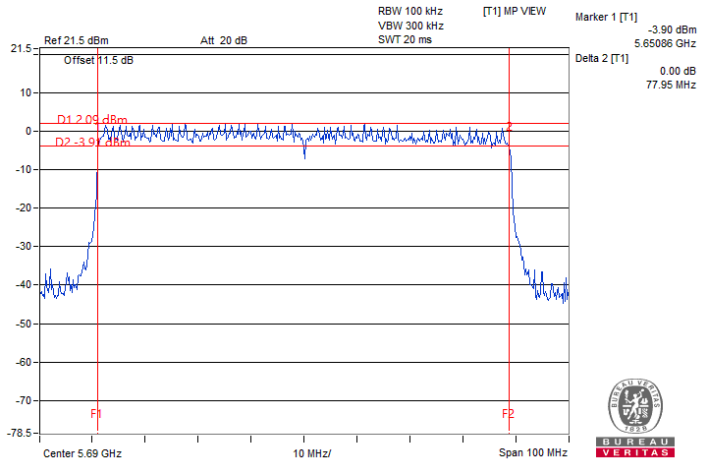

802.11a / Chain0 : CH 144 (U-NII-3)




802.11ax (HE20) / Chain1 : CH 144 (U-NII-3)




802.11ax (HE40) / Chain1 : CH 142 (U-NII-3)




802.11ax (HE80) / Chain0 : CH 138 (U-NII-3)

Notes:

1. For U-NII-3 straddle channel = Marker 1 + Delta 2 - 5725MHz

## 7.5 Occupied Bandwidth

### Mode A

| Input Power: | 120 Vac, 60 Hz | Environmental Conditions: | 23 °C, 66 % RH | Tested By: | Eric Peng |
|---|---|---|---|---|---|

### 802.11a

| Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | | | |
|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | Chain 3 |
| 36 | 5180 | 17.28 | 17.16 | 17.04 | 17.04 |
| 40 | 5200 | 17.16 | 17.16 | 17.04 | 17.16 |
| 48 | 5240 | 17.16 | 17.16 | 17.04 | 17.04 |
| 52 | 5260 | 17.16 | 17.16 | 17.04 | 17.04 |
| 60 | 5300 | 17.16 | 17.16 | 17.04 | 17.04 |
| 64 | 5320 | 17.16 | 17.16 | 17.04 | 17.04 |
| 100 | 5500 | 17.16 | 17.04 | 17.04 | 16.92 |
| 116 | 5580 | 17.16 | 17.16 | 17.04 | 16.92 |
| 140 | 5700 | 17.16 | 17.16 | 17.04 | 17.04 |
| 144 (U-NII-2C) | 5720 | 13.64 | 13.52 | 13.52 | 13.52 |
| 144 (U-NII-3) | 5720 | 3.4 | 3.52 | 3.52 | 3.4 |
| 149 | 5745 | 17.28 | 17.88 | 17.4 | 17.4 |
| 157 | 5785 | 17.4 | 18.12 | 17.76 | 17.88 |
| 165 | 5825 | 17.4 | 17.88 | 17.76 | 17.76 |

### 802.11ax (HE20)

| Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | | | |
|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | Chain 3 |
| 36 | 5180 | 19.2 | 19.2 | 19.2 | 19.2 |
| 40 | 5200 | 19.2 | 19.32 | 19.2 | 19.2 |
| 48 | 5240 | 19.2 | 19.2 | 19.2 | 19.2 |
| 52 | 5260 | 19.2 | 19.2 | 19.08 | 19.2 |
| 60 | 5300 | 19.2 | 19.2 | 19.2 | 19.08 |
| 64 | 5320 | 19.08 | 19.2 | 19.2 | 19.2 |
| 100 | 5500 | 19.2 | 19.2 | 19.08 | 19.2 |
| 116 | 5580 | 19.2 | 19.08 | 19.08 | 19.2 |
| 140 | 5700 | 19.2 | 19.2 | 19.2 | 19.2 |
| 144 (U-NII-2C) | 5720 | 14.57 | 14.48 | 14.57 | 14.57 |
| 144 (U-NII-3) | 5720 | 4.57 | 4.57 | 4.57 | 4.65 |
| 149 | 5745 | 19.32 | 19.44 | 19.44 | 19.32 |
| 157 | 5785 | 19.32 | 19.56 | 19.56 | 19.44 |
| 165 | 5825 | 19.32 | 19.44 | 19.44 | 19.32 |

### 802.11ax (HE40)

| Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | | | |
|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | Chain 3 |
| 38 | 5190 | 37.92 | 37.92 | 37.92 | 38.16 |
| 46 | 5230 | 37.92 | 37.92 | 37.92 | 37.92 |
| 54 | 5270 | 37.92 | 37.92 | 37.92 | 37.92 |
| 62 | 5310 | 37.92 | 38.16 | 38.16 | 37.92 |
| 102 | 5510 | 38.16 | 37.92 | 37.92 | 37.92 |
| 110 | 5550 | 38.4 | 37.92 | 37.92 | 37.92 |
| 134 | 5670 | 37.92 | 37.92 | 38.16 | 38.16 |
| 142 (U-NII-2C) | 5710 | 34.2 | 33.96 | 33.96 | 34.2 |
| 142 (U-NII-3) | 5710 | 3.72 | 4.2 | 3.96 | 3.96 |
| 151 | 5755 | 38.16 | 38.64 | 38.4 | 38.4 |
| 159 | 5795 | 38.64 | 38.64 | 38.4 | 38.4 |

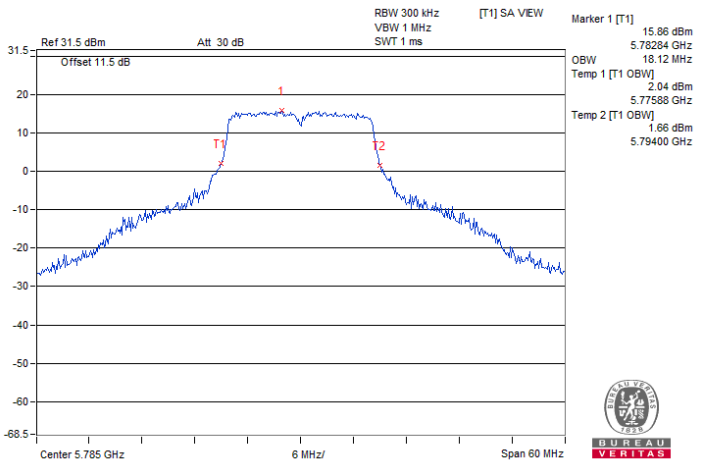
### 802.11ax (HE80)

| Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | | | |
|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | Chain 3 |
| 42 | 5210 | 77.28 | 78.24 | 77.28 | 77.76 |
| 58 | 5290 | 77.28 | 77.28 | 77.76 | 77.76 |
| 106 | 5530 | 77.28 | 77.28 | 77.76 | 77.76 |
| 122 | 5610 | 77.76 | 77.76 | 77.28 | 77.28 |
| 138 (U-NII-2C) | 5690 | 73.88 | 73.4 | 73.88 | 73.88 |
| 138 (U-NII-3) | 5690 | 3.4 | 3.4 | 3.88 | 3.88 |
| 155 | 5775 | 77.28 | 77.28 | 77.76 | 77.76 |

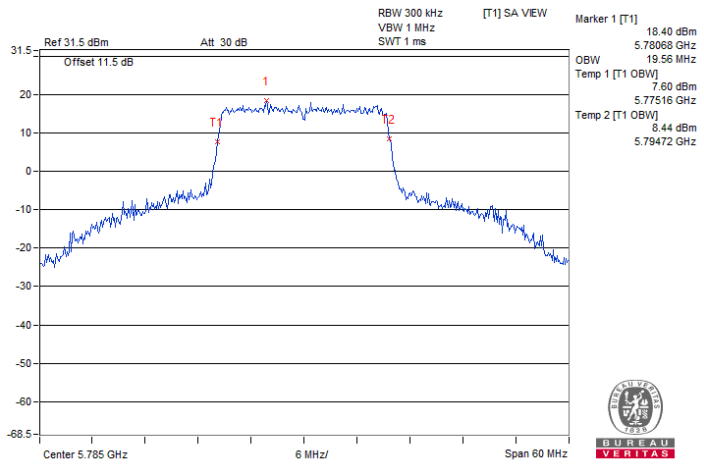
### 802.11ax (HE160)

| Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | | | |
|---|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 | Chain 3 |
| 50 (U-NII-1) | 5250 | 77.22 | 77.91 | 77.22 | 77.22 |
| 50 (U-NII-2A) | 5250 | 77.22 | 77.22 | 77.22 | 77.91 |
| 114 | 5570 | 155.52 | 154.44 | 154.44 | 154.44 |

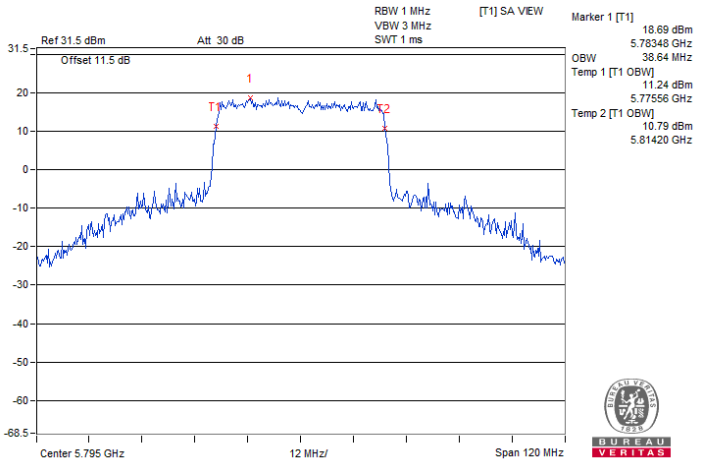
## Spectrum Plot of Maximum Value



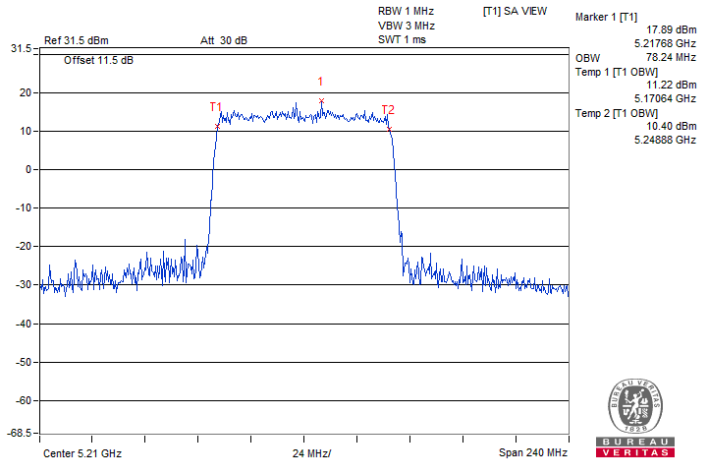

802.11a / Chain1 : CH 157



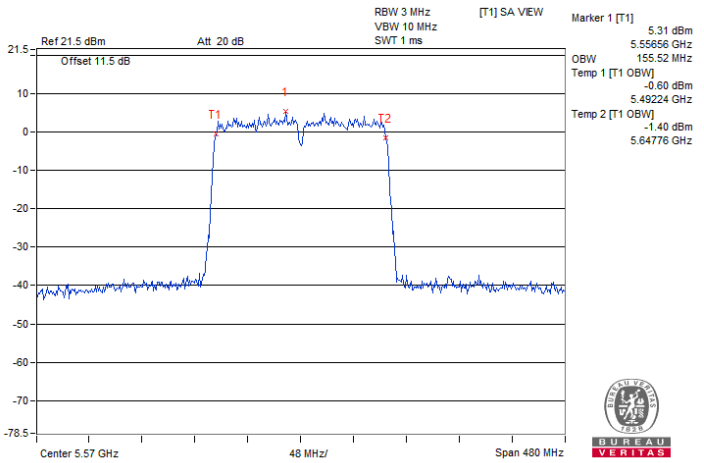

802.11ax (HE20) / Chain1 : CH 157




802.11ax (HE40) / Chain0 : CH 159



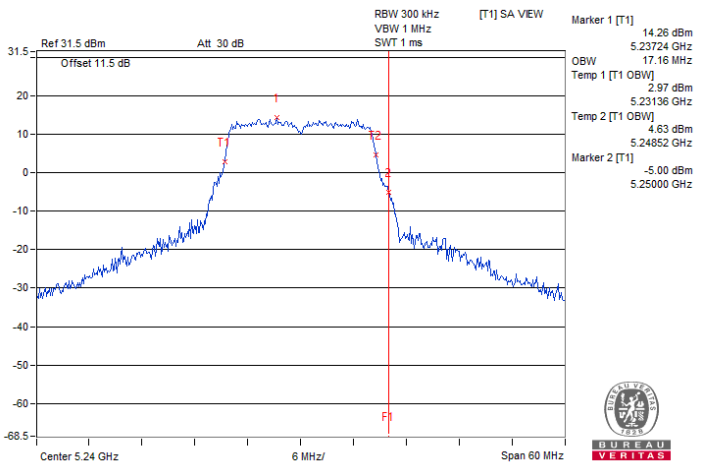

802.11ax (HE80) / Chain1 : CH 42



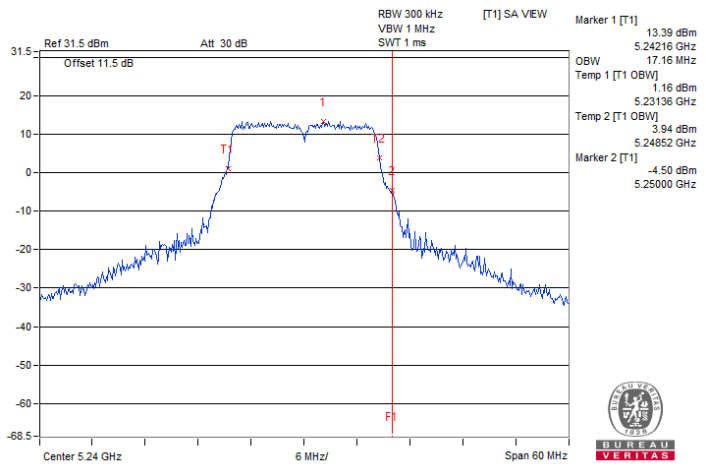

802.11ax (HE160) / Chain0 : CH 114

Spectrum Plot for nearby DFS band

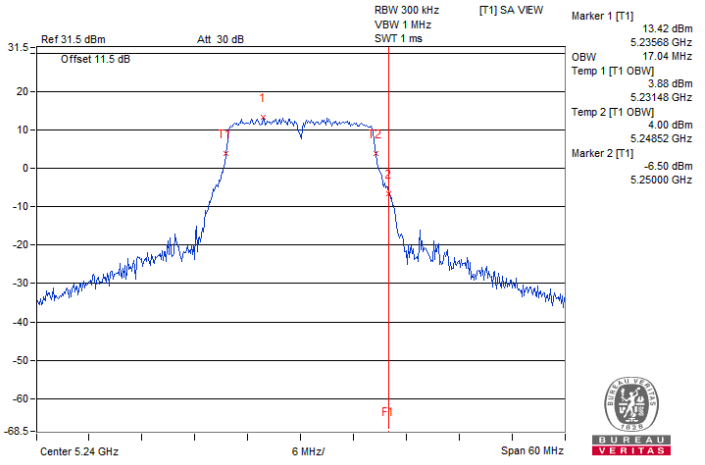
(DFS is required, if 99% OCP straddle into U-NII-2A band)



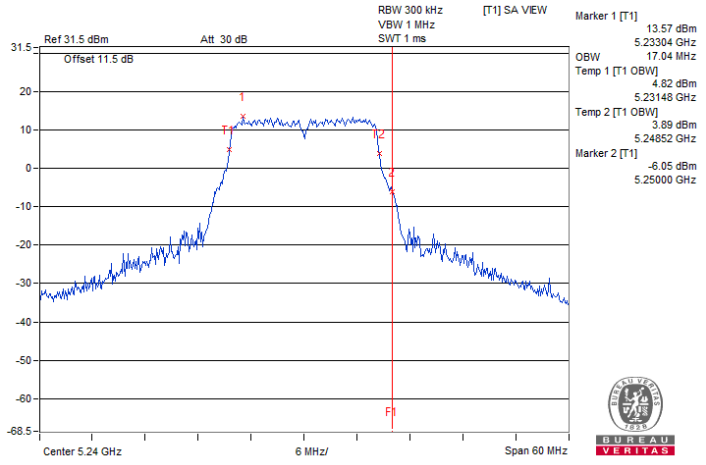

802.11a / Chain 0 : CH 48



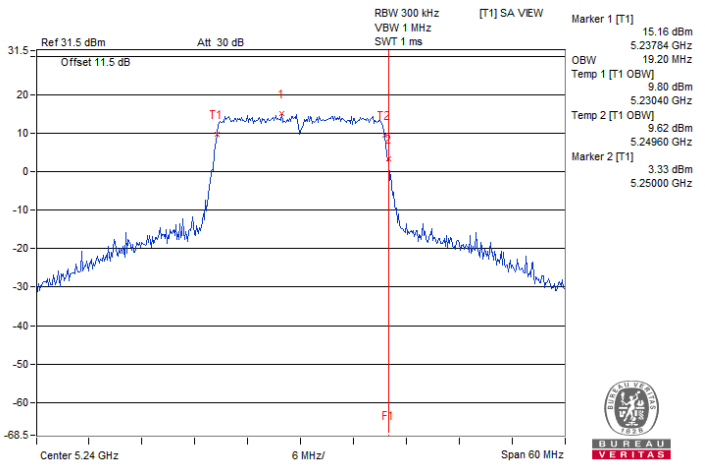

802.11a / Chain 1 : CH 48



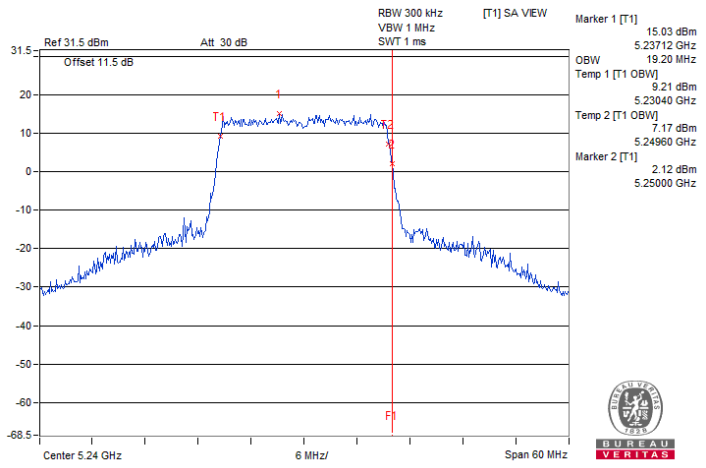

802.11a / Chain 2 : CH 48




802.11a / Chain 3 : CH 48



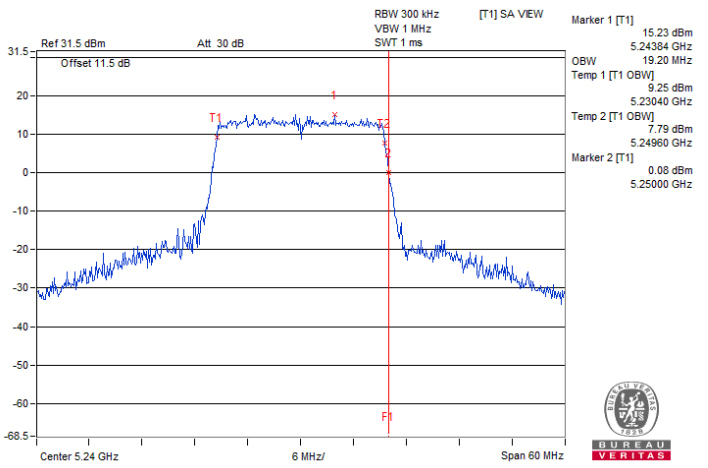

802.11ax (HE20) / Chain 0 : CH 48



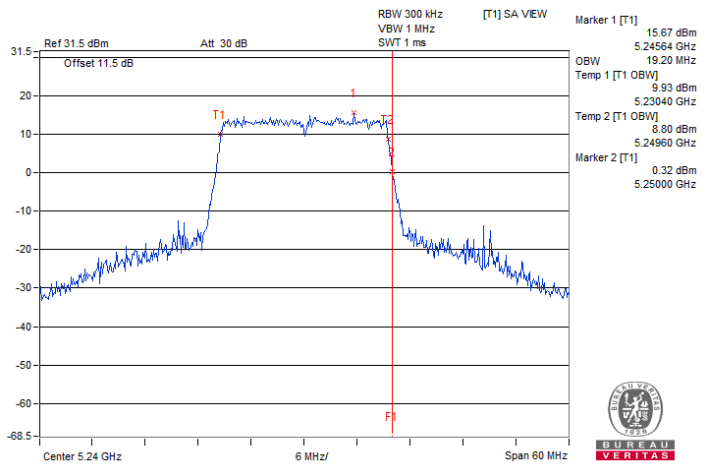

802.11ax (HE20) / Chain 1 : CH 48

Spectrum Plot for nearby DFS band

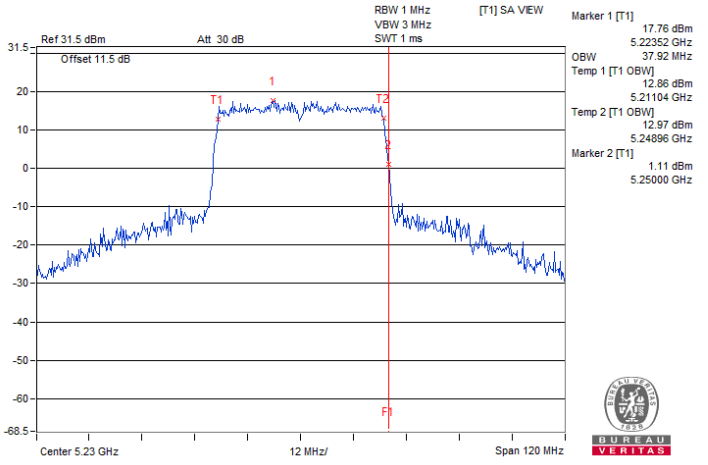
(DFS is required, if 99% OCP straddle into U-NII-2A band)



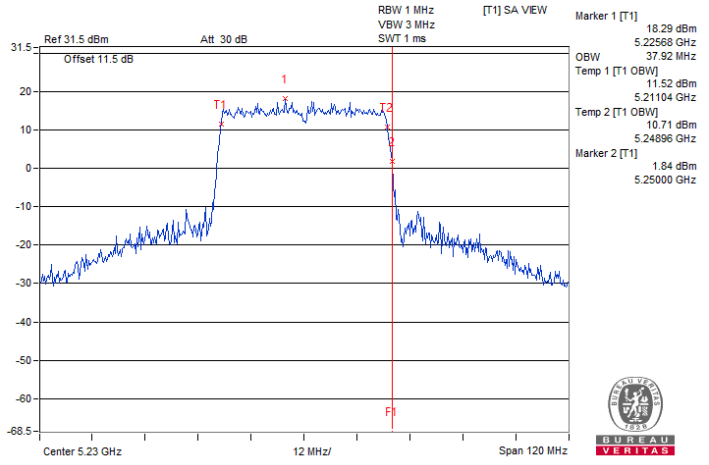

802.11ax (HE20) / Chain 2 : CH 48



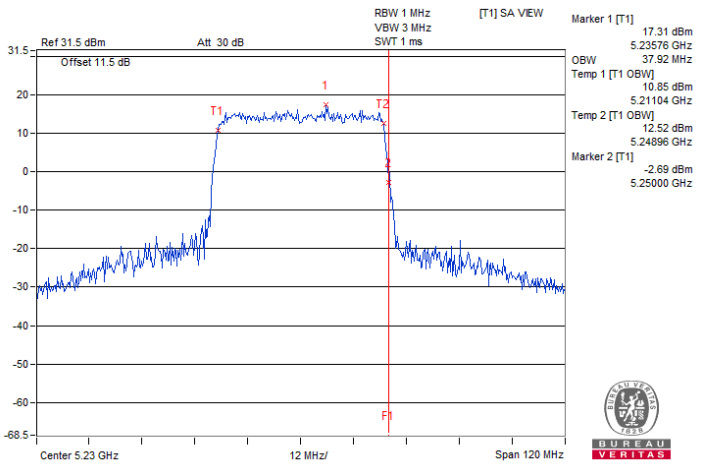

802.11ax (HE20) / Chain 3 : CH 48



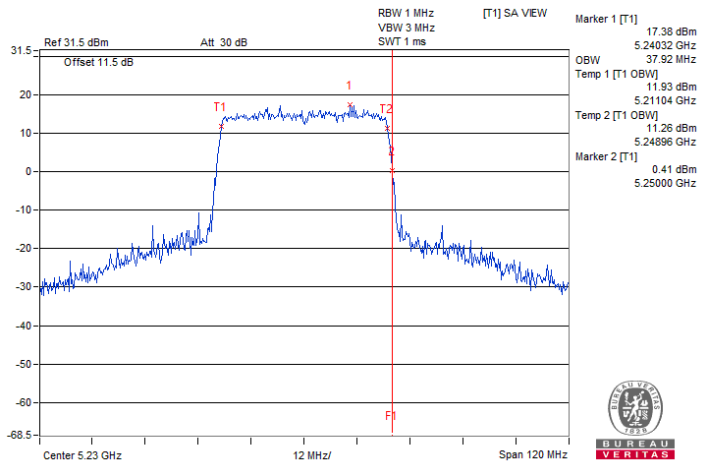

802.11ax (HE40) / Chain 0 : CH 46




802.11ax (HE40) / Chain 1 : CH 46



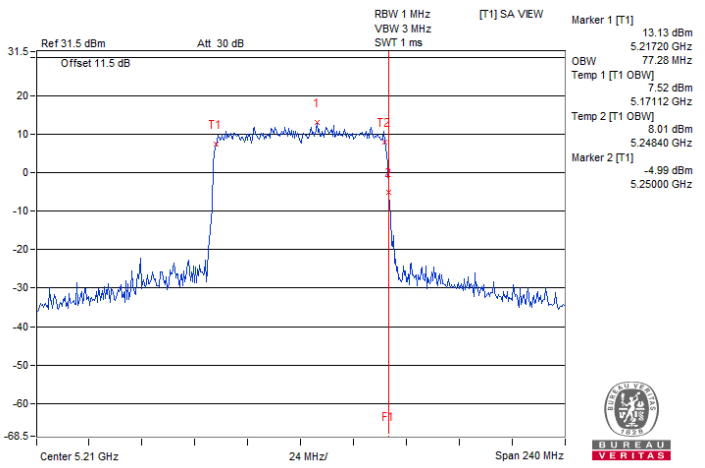

802.11ax (HE40) / Chain 2 : CH 46



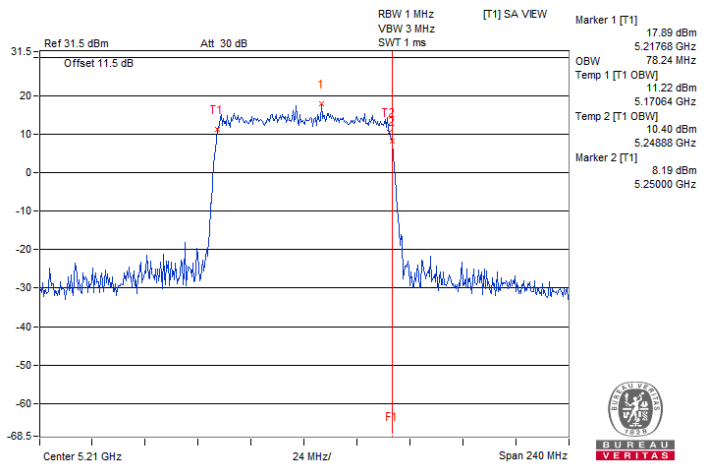

802.11ax (HE40) / Chain 3 : CH 46

Spectrum Plot for nearby DFS band

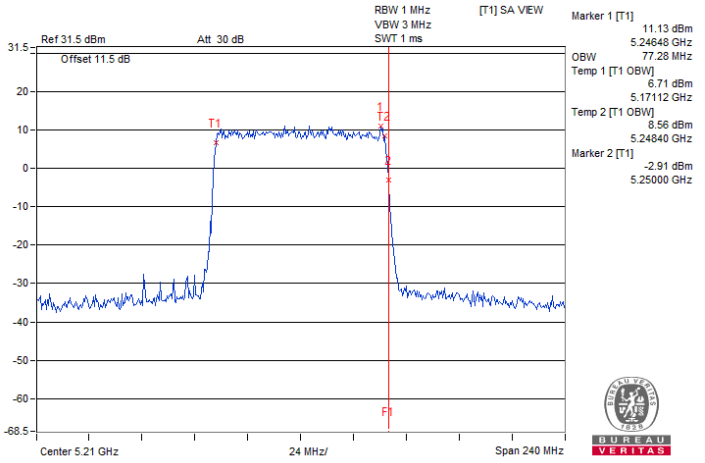
(DFS is required, if 99% OCP straddle into U-NII-2A band)



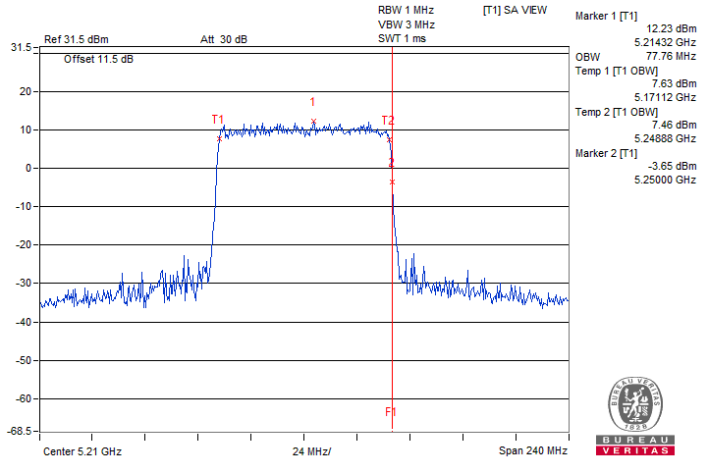

802.11ax (HE80) / Chain 0 : CH 42




802.11ax (HE80) / Chain 1 : CH 42



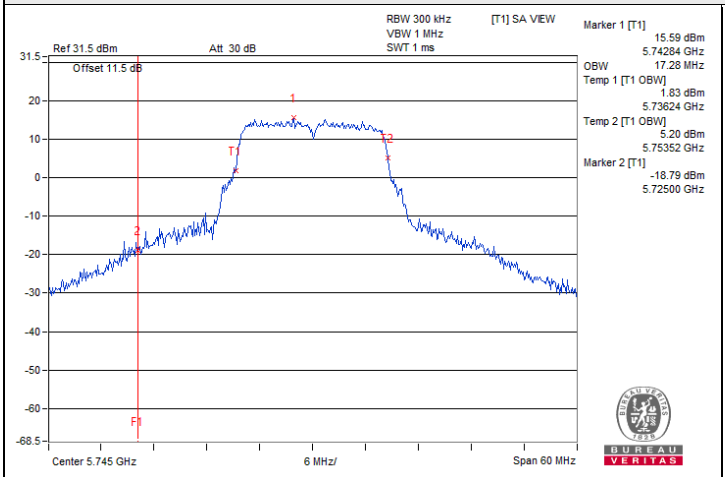

802.11ax (HE80) / Chain 2 : CH 42



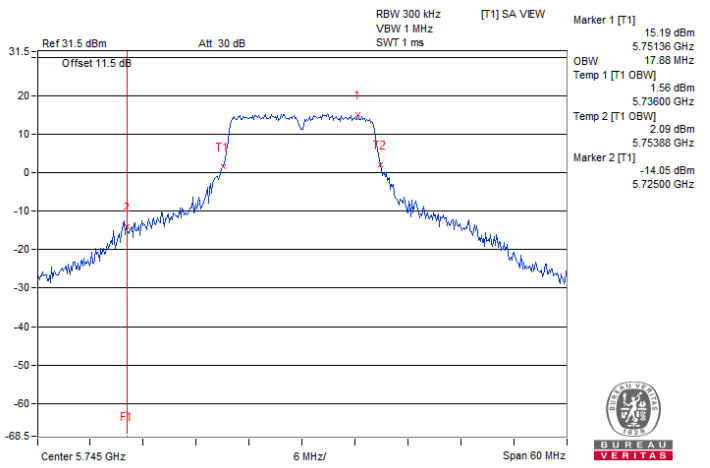

802.11ax (HE80) / Chain 3 : CH 42

Spectrum Plot for nearby DFS band

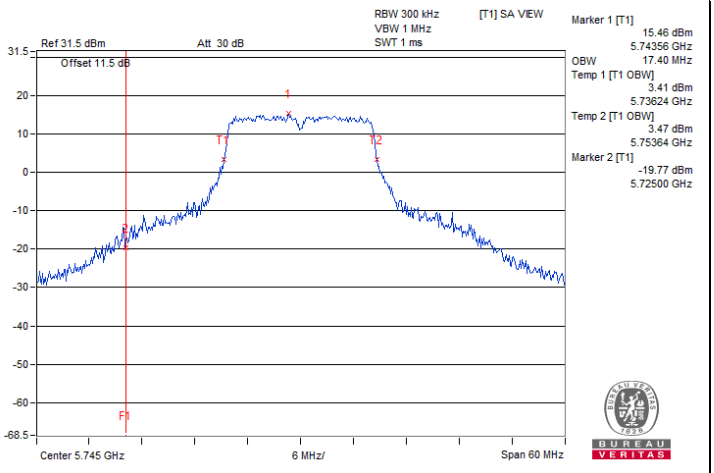
(DFS is required, if 99% OCP straddle into U-NII-2C band)



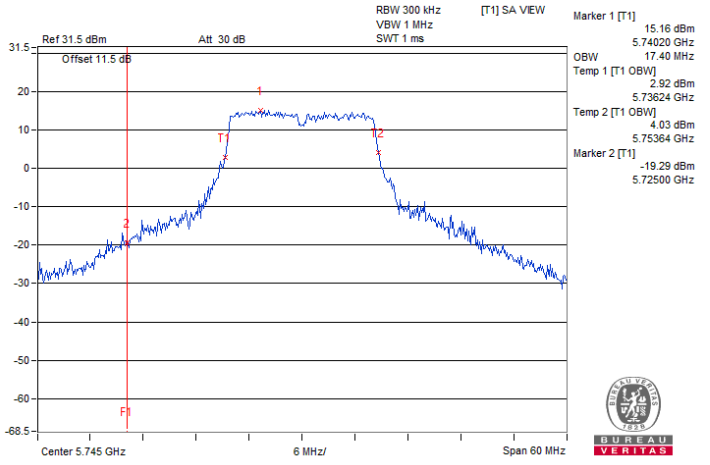

802.11a / Chain 0 : CH 149



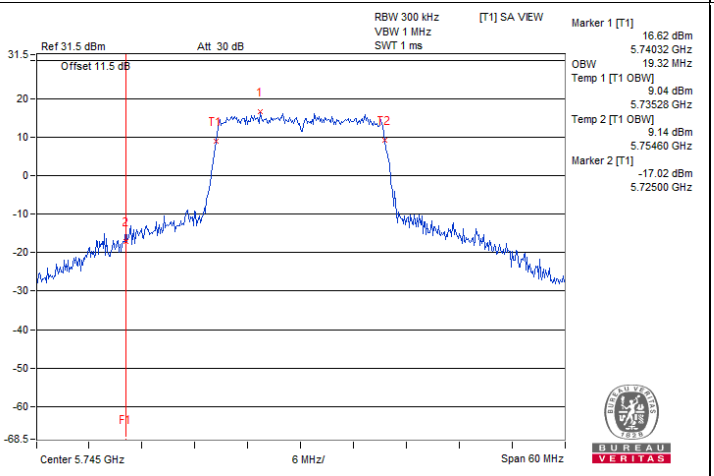

802.11a / Chain 1 : CH 149



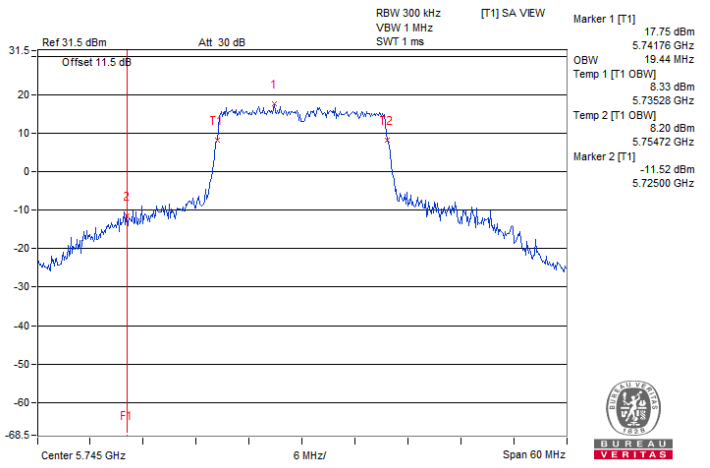

802.11a / Chain 2 : CH 149




802.11a / Chain 3 : CH 149



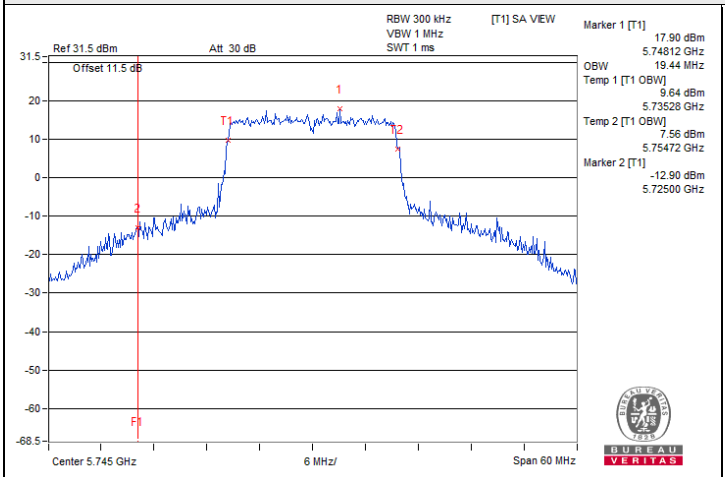

802.11ax (HE20) / Chain 0 : CH 149



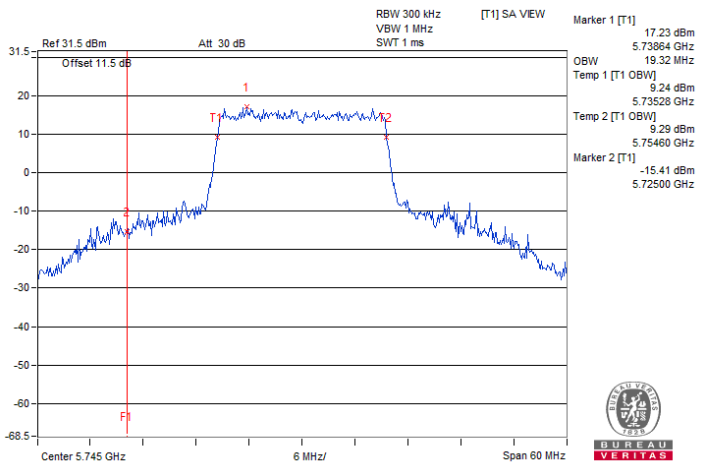

802.11ax (HE20) / Chain 1 : CH 149

Spectrum Plot for nearby DFS band

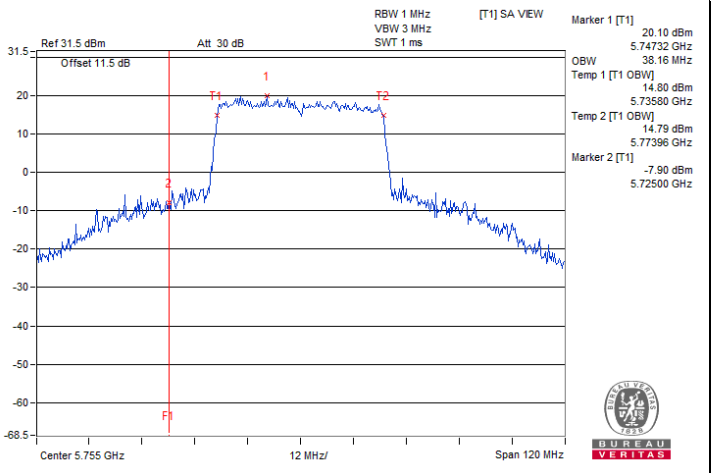
(DFS is required, if 99% OCP straddle into U-NII-2C band)



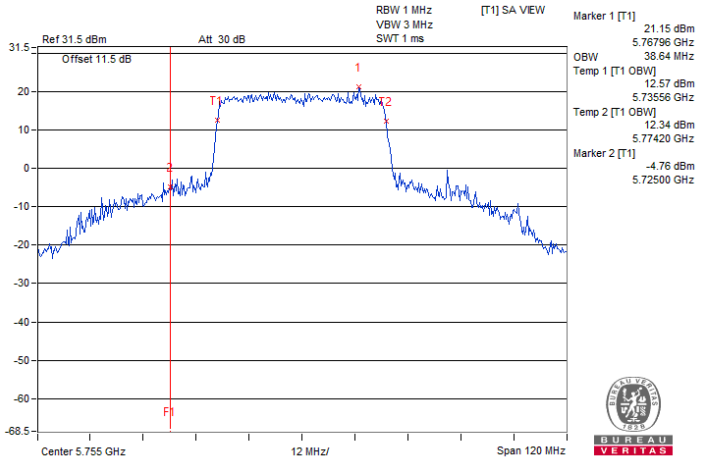

802.11ax (HE20) / Chain 2 : CH 149



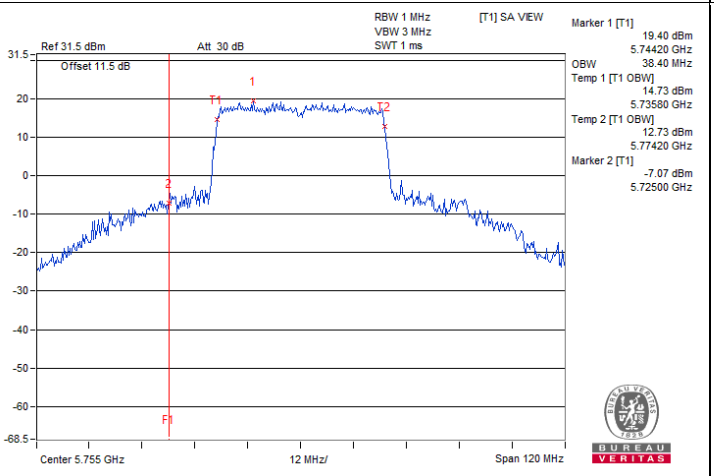

802.11ax (HE20) / Chain 3 : CH 149



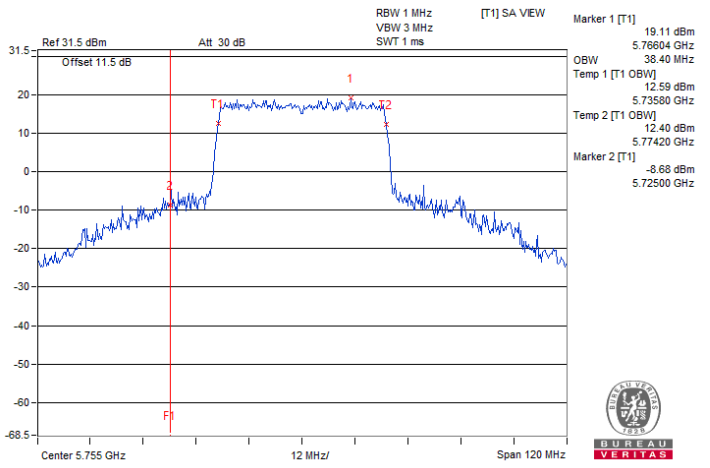

802.11ax (HE40) / Chain 0 : CH 151




802.11ax (HE40) / Chain 1 : CH 151



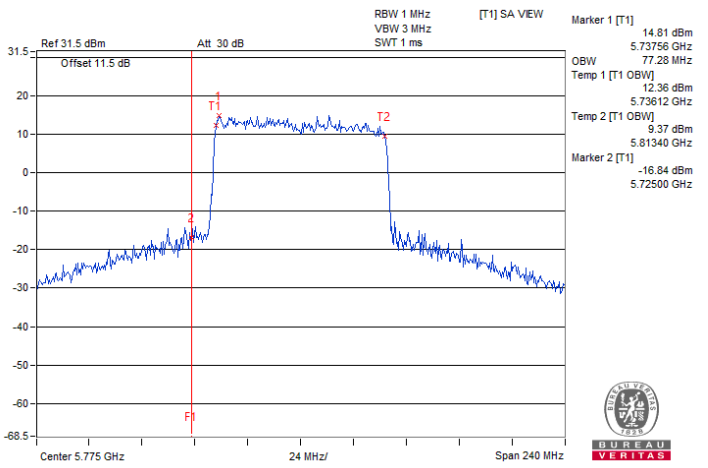

802.11ax (HE40) / Chain 2 : CH 151



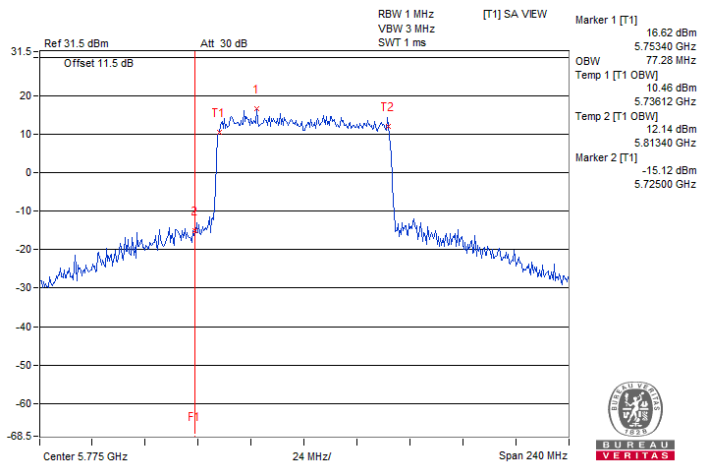

802.11ax (HE40) / Chain 3 : CH 151

Spectrum Plot for nearby DFS band

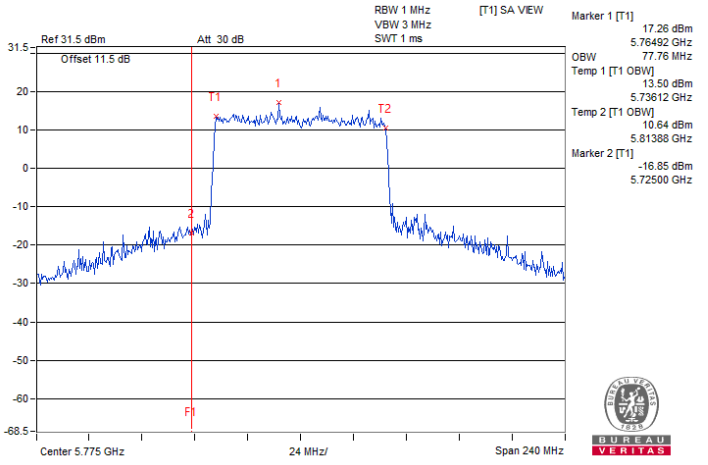
(DFS is required, if 99% OCP straddle into U-NII-2C band)



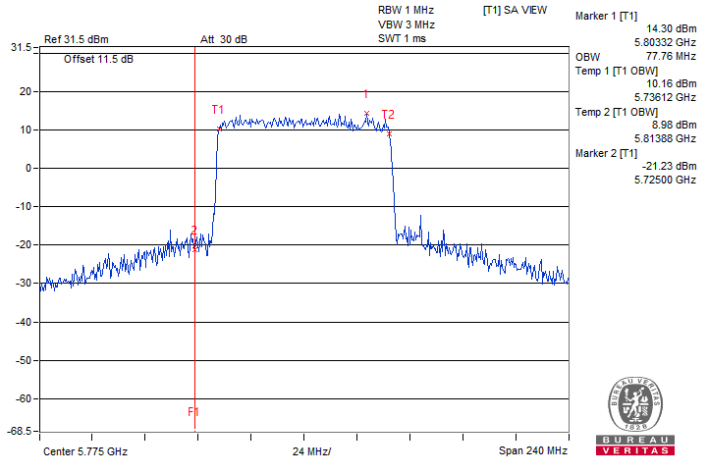

802.11ax (HE80) / Chain 0 : CH 155




802.11ax (HE80) / Chain 1 : CH 155




802.11ax (HE80) / Chain 2 : CH 155




802.11ax (HE80) / Chain 3 : CH 155

## Mode B

| Input Power: | 120 Vac, 60 Hz | Environmental Conditions: | 25°C, 60% RH | Tested By: | Eric Peng |
|---|---|---|---|---|---|

## 802.11a

| Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | | |
|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 |
| 36 | 5180 | 17.52 | 17.16 | 17.28 |
| 40 | 5200 | 17.88 | 17.04 | 17.28 |
| 48 | 5240 | 17.52 | 17.16 | 17.04 |
| 52 | 5260 | 16.8 | 16.92 | 16.8 |
| 60 | 5300 | 17.04 | 16.92 | 16.8 |
| 64 | 5320 | 16.92 | 16.8 | 16.68 |
| 100 | 5500 | 16.8 | 16.92 | 16.8 |
| 116 | 5580 | 16.92 | 16.92 | 16.92 |
| 140 | 5700 | 16.92 | 16.92 | 16.92 |
| 144 (U-NII-2C) | 5720 | 13.4 | 13.4 | 13.52 |
| 144 (U-NII-3) | 5720 | 3.64 | 3.4 | 3.4 |
| 149 | 5745 | 22.2 | 20.28 | 25.8 |
| 157 | 5785 | 22.92 | 22.44 | 26.88 |
| 165 | 5825 | 19.2 | 18.72 | 21.12 |

## 802.11ax (HE20)

| Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | | |
|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 |
| 36 | 5180 | 19.08 | 19.2 | 19.2 |
| 40 | 5200 | 19.44 | 19.2 | 19.32 |
| 48 | 5240 | 19.56 | 19.2 | 19.2 |
| 52 | 5260 | 18.96 | 19.08 | 18.96 |
| 60 | 5300 | 19.2 | 19.2 | 19.2 |
| 64 | 5320 | 19.08 | 19.2 | 19.08 |
| 100 | 5500 | 19.08 | 19.2 | 19.08 |
| 116 | 5580 | 19.08 | 19.2 | 19.32 |
| 140 | 5700 | 18.96 | 19.08 | 19.2 |
| 144 (U-NII-2C) | 5720 | 14.6 | 14.6 | 14.6 |
| 144 (U-NII-3) | 5720 | 4.48 | 4.48 | 4.6 |
| 149 | 5745 | 21.48 | 20.28 | 25.92 |
| 157 | 5785 | 20.64 | 20.16 | 24.36 |
| 165 | 5825 | 20.04 | 20.04 | 25.32 |

## 802.11ax (HE40)

| Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | | |
|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 |
| 38 | 5190 | 38.16 | 38.16 | 38.16 |
| 46 | 5230 | 38.64 | 38.88 | 38.64 |
| 54 | 5270 | 38.16 | 38.16 | 38.16 |
| 62 | 5310 | 37.92 | 38.16 | 38.16 |
| 102 | 5510 | 37.68 | 37.92 | 38.16 |
| 110 | 5550 | 38.16 | 38.16 | 38.16 |
| 134 | 5670 | 38.16 | 37.92 | 38.16 |
| 142 (U-NII-2C) | 5710 | 33.96 | 33.96 | 34.2 |
| 142 (U-NII-3) | 5710 | 3.96 | 3.96 | 3.96 |
| 151 | 5755 | 49.44 | 47.52 | 54.48 |
| 159 | 5795 | 49.92 | 50.16 | 54.72 |

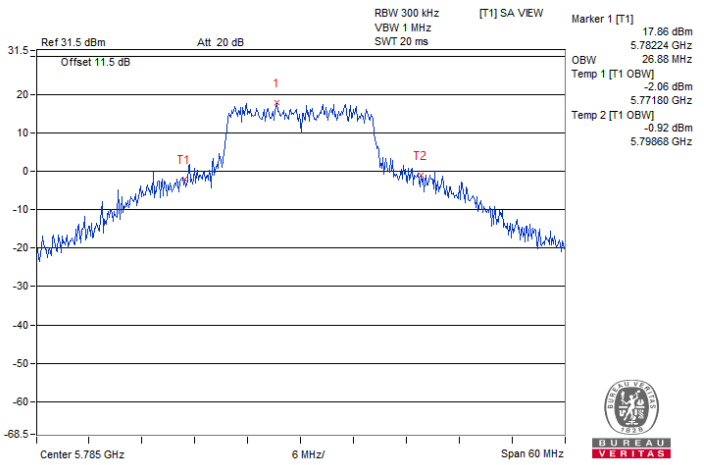
## 802.11ax (HE80)

| Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | | |
|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 |
| 42 | 5210 | 77.28 | 77.76 | 77.28 |
| 58 | 5290 | 77.28 | 77.28 | 77.28 |
| 106 | 5530 | 76.8 | 77.28 | 77.28 |
| 122 | 5610 | 77.28 | 77.28 | 77.28 |
| 138 (U-NII-2C) | 5690 | 73.88 | 73.88 | 73.88 |
| 138 (U-NII-3) | 5690 | 3.4 | 3.4 | 3.4 |
| 155 | 5775 | 78.72 | 78.24 | 78.72 |

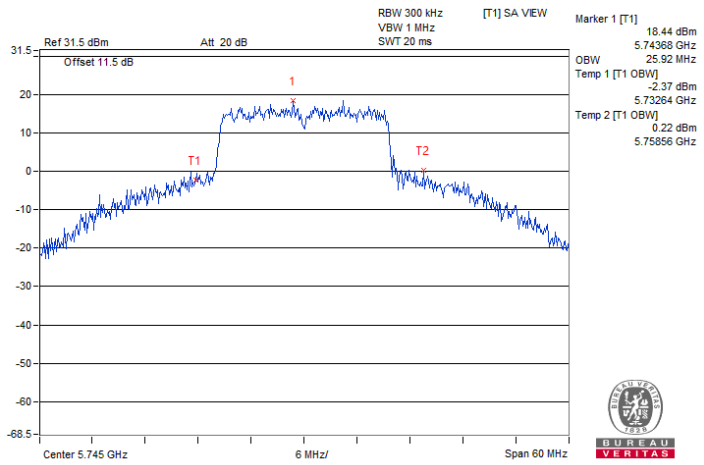
## 802.11ax (HE160)

| Channel | Frequency (MHz) | Occupied Bandwidth (MHz) | | |
|---|---|---|---|---|
| | | Chain 0 | Chain 1 | Chain 2 |
| 50 (U-NII-1) | 5250 | 78.72 | 78.72 | 78.72 |
| 50 (U-NII-2A) | 5250 | 78.72 | 78.72 | 77.76 |
| 114 | 5570 | 155.52 | 157.44 | 157.44 |

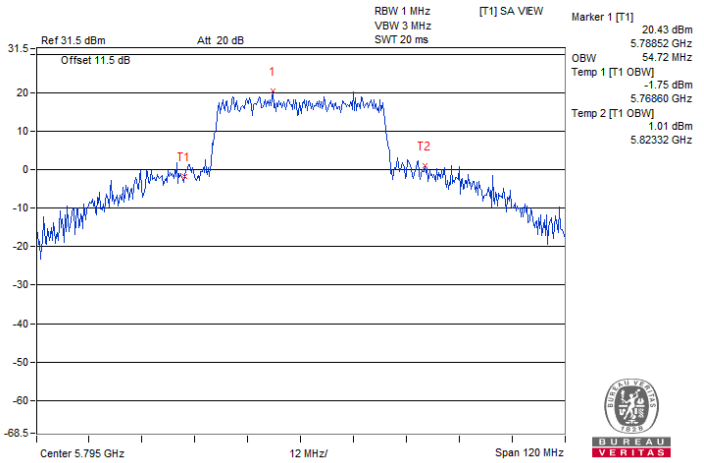
## Spectrum Plot of Maximum Value



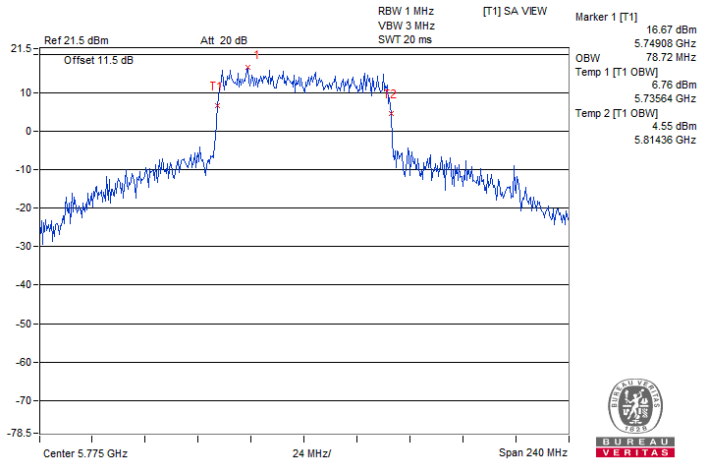

802.11a / Chain2 : CH 157



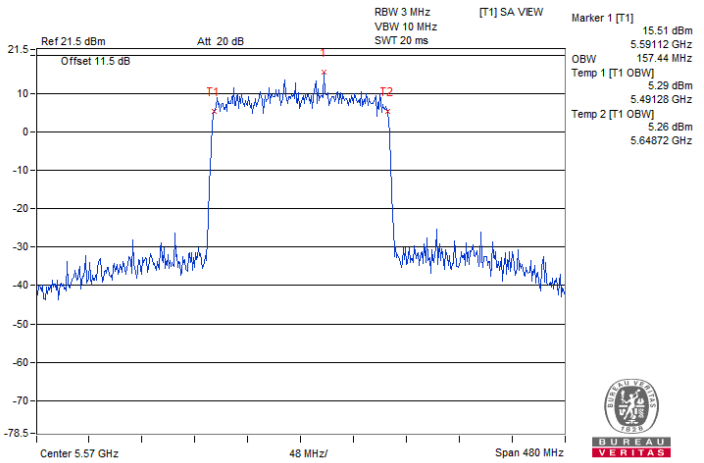

802.11ax (HE20) / Chain2 : CH 149




802.11ax (HE40) / Chain2 : CH 159



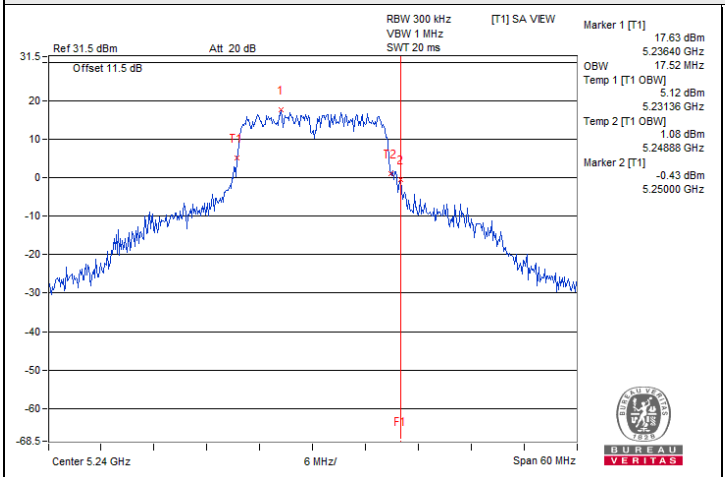

802.11ax (HE80) / Chain0 : CH 155



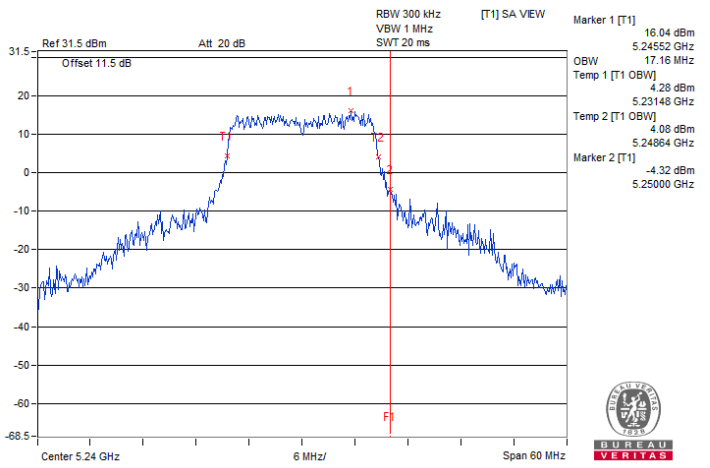

802.11ax (HE160) / Chain1 : CH 114

Spectrum Plot for nearby DFS band

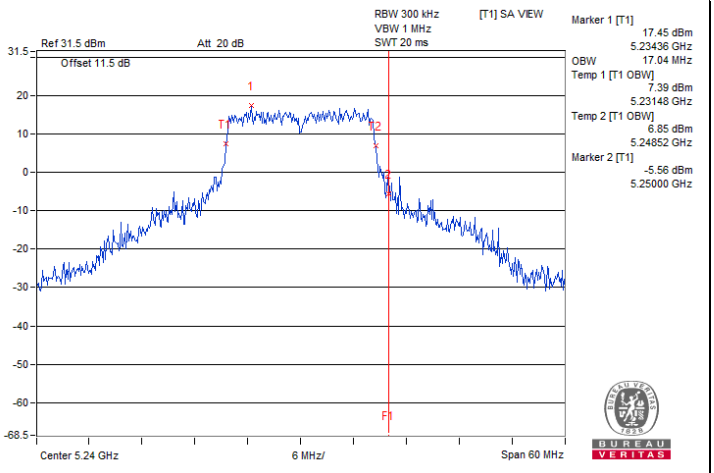
(DFS is required, if 99% OCP straddle into U-NII-2A band)



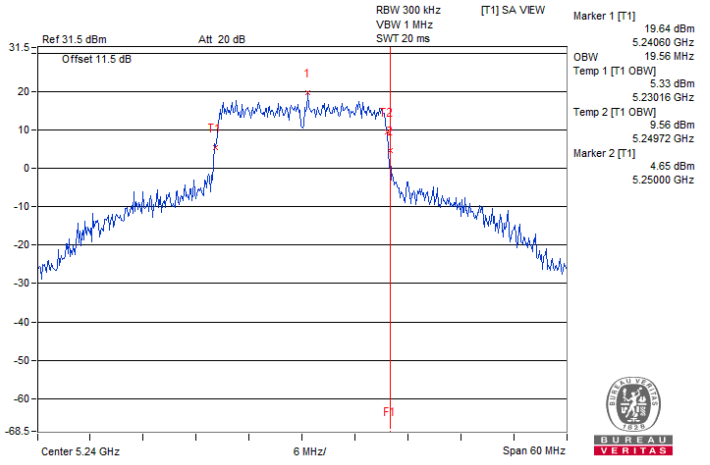

802.11a / Chain 0 : CH 48



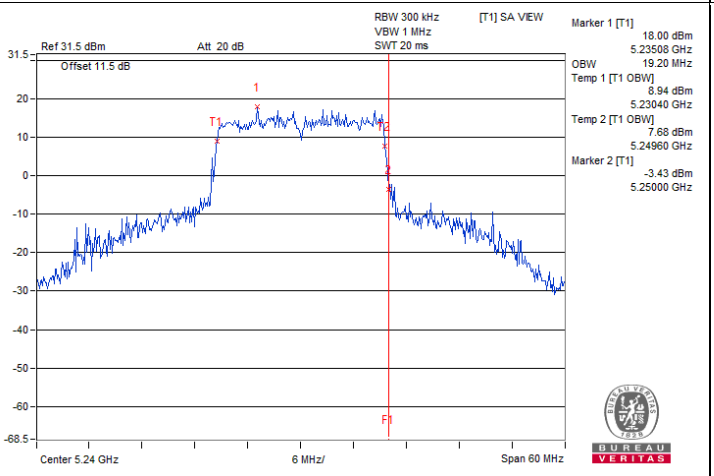

802.11a / Chain 1 : CH 48



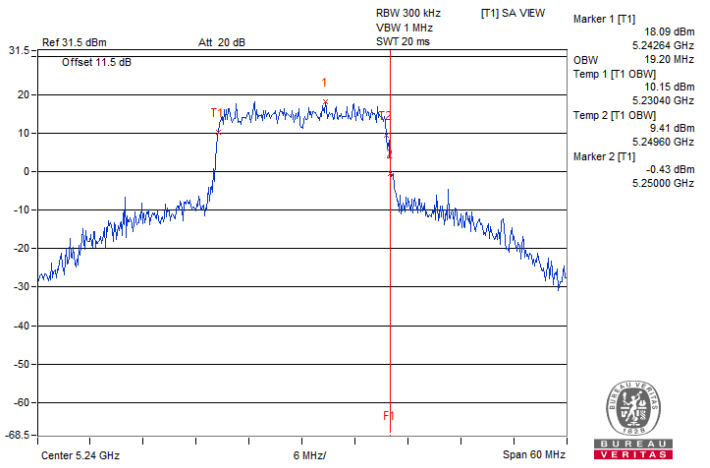

802.11a / Chain 2 : CH 48




802.11ax (HE20) / Chain 0 : CH 48



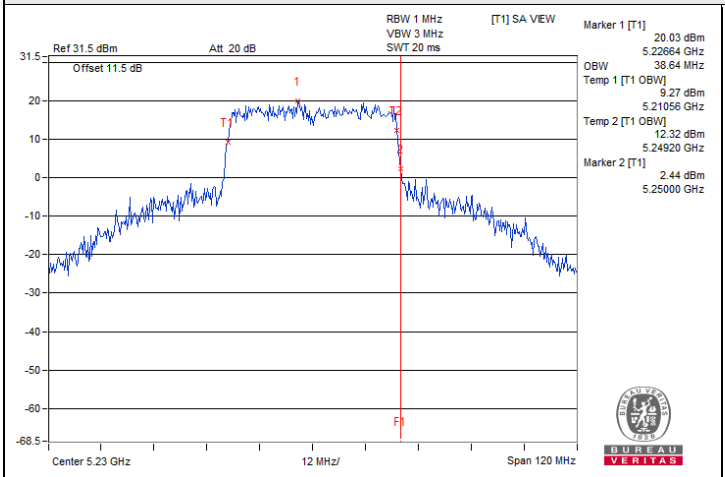

802.11ax (HE20) / Chain 1 : CH 48



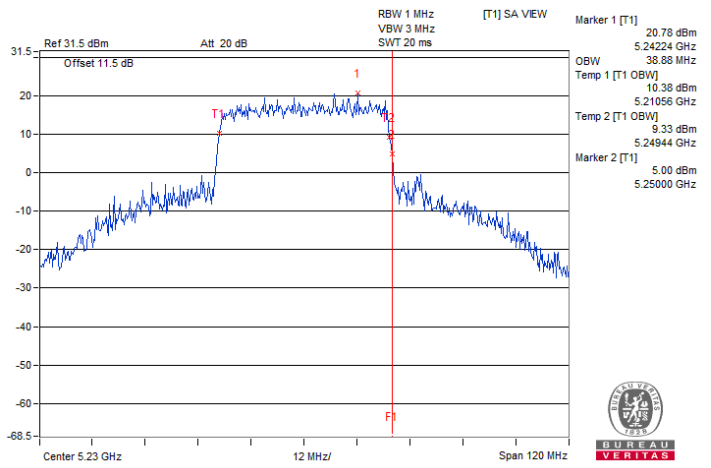

802.11ax (HE20) / Chain 2 : CH 48

Spectrum Plot for nearby DFS band

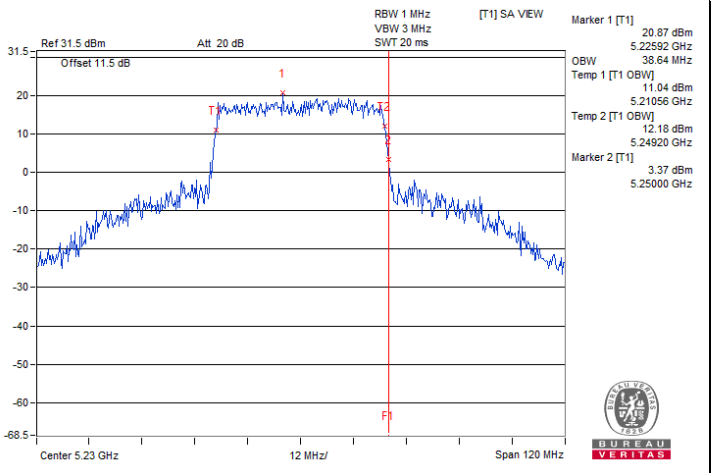
(DFS is required, if 99% OCP straddle into U-NII-2A band)



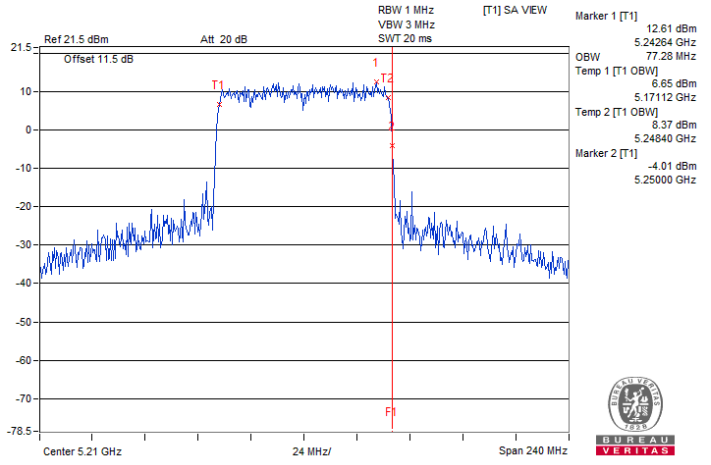

802.11ax (HE40) / Chain 0 : CH 46



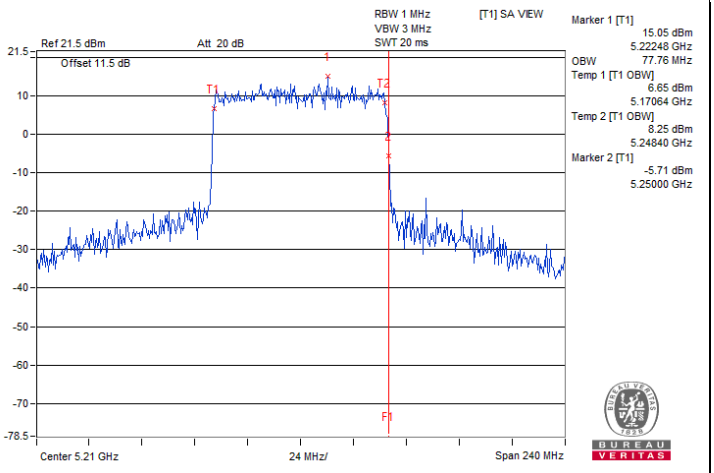

802.11ax (HE40) / Chain 1 : CH 46



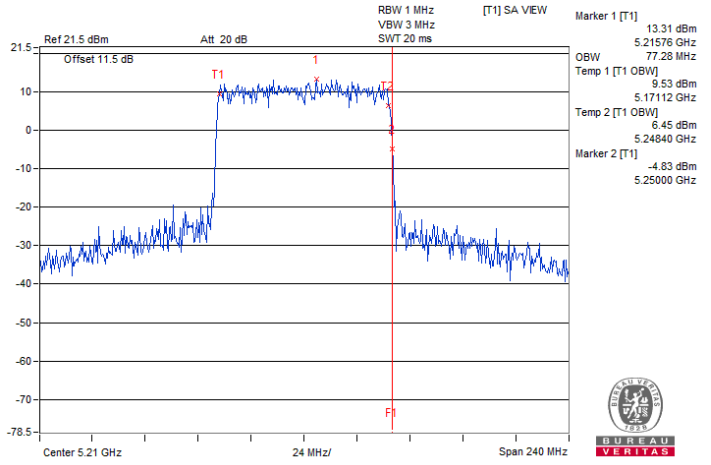

802.11ax (HE40) / Chain 2 : CH 46




802.11ax (HE80) / Chain 0 : CH 42



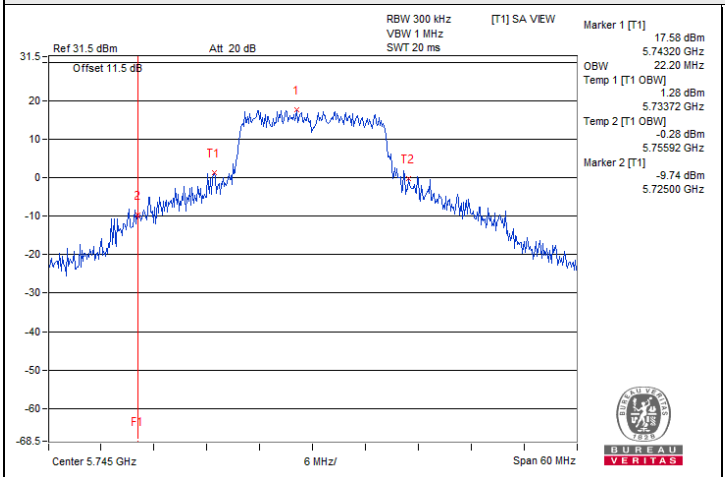

802.11ax (HE80) / Chain 1 : CH 42



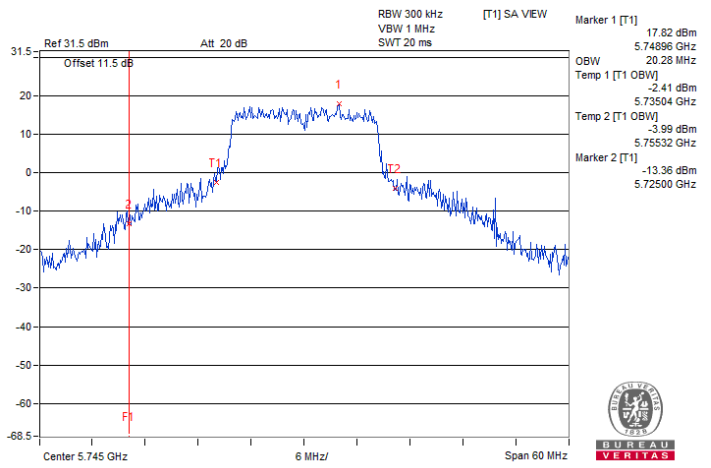

802.11ax (HE80) / Chain 2 : CH 42

Spectrum Plot for nearby DFS band

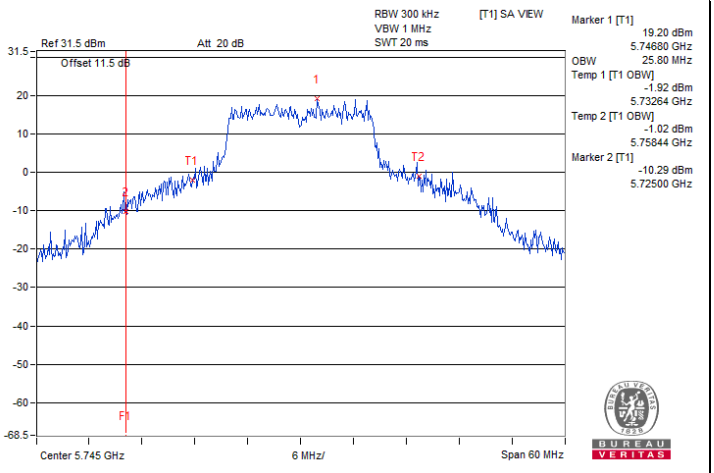
(DFS is required, if 99% OCP straddle into U-NII-2C band)



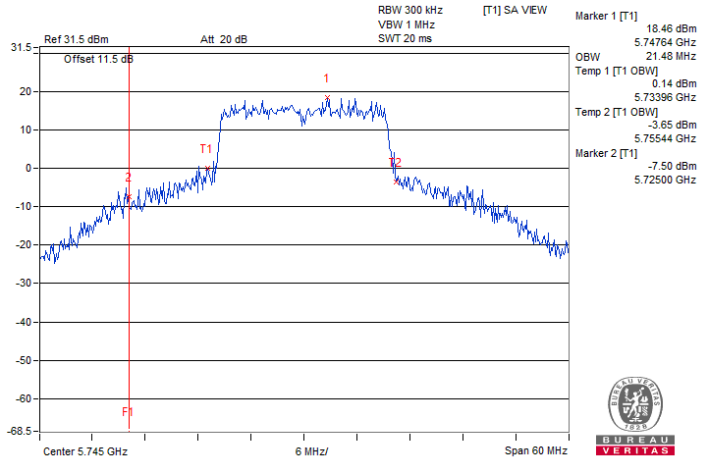

802.11a / Chain 0 : CH 149



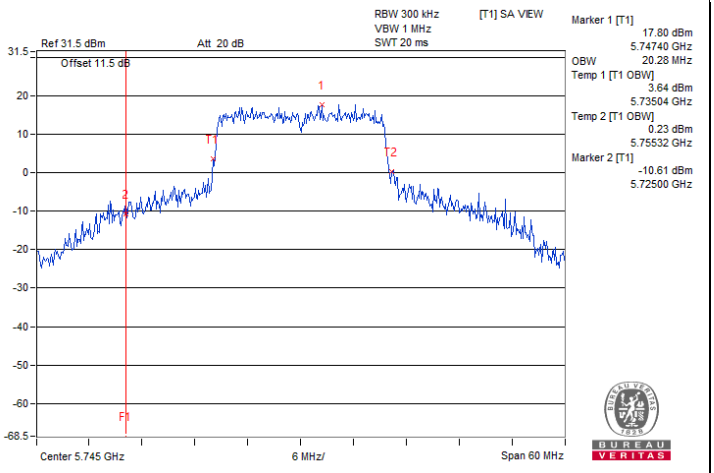

802.11a / Chain 1 : CH 149



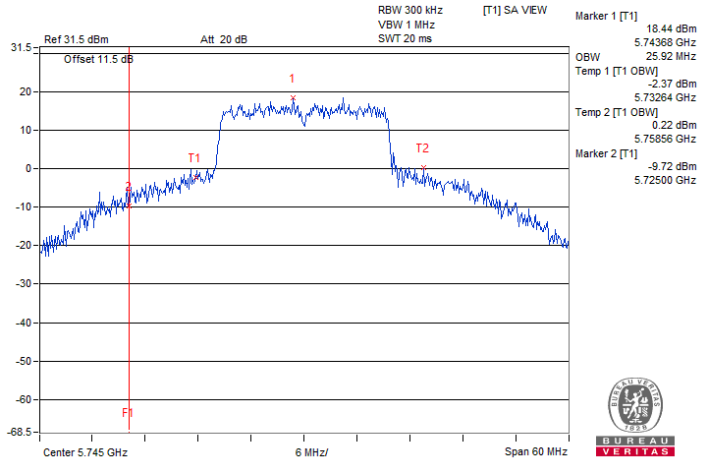

802.11a / Chain 2 : CH 149




802.11ax (HE20) / Chain 0 : CH 149



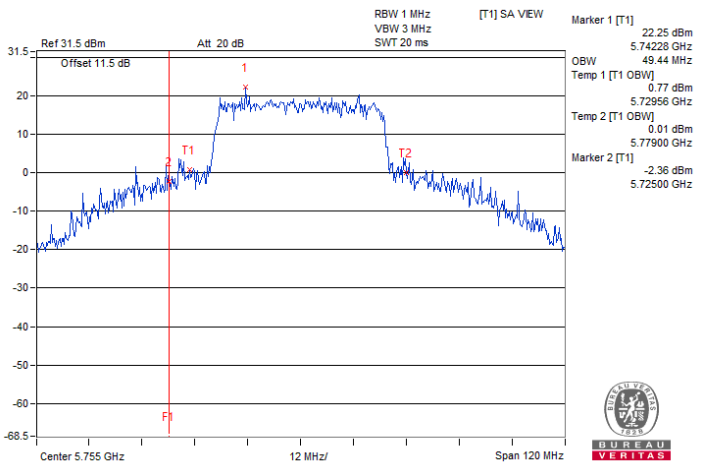

802.11ax (HE20) / Chain 1 : CH 149



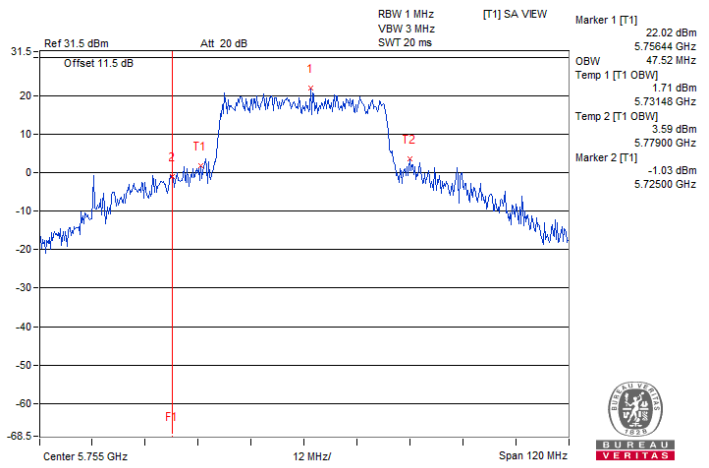

802.11ax (HE20) / Chain 2 : CH 149

Spectrum Plot for nearby DFS band

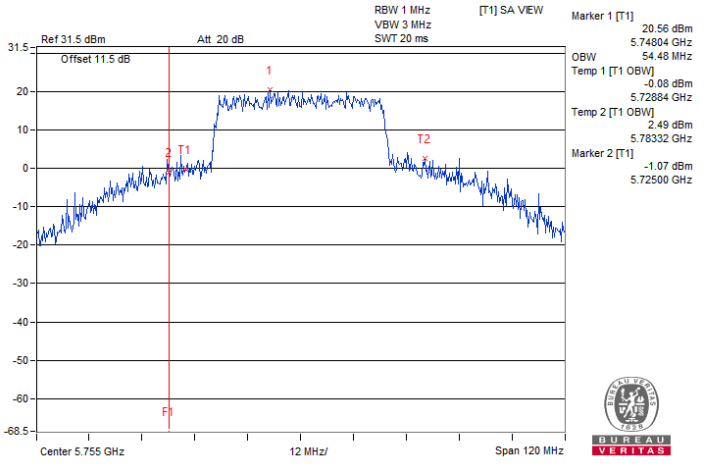
(DFS is required, if 99% OCP straddle into U-NII-2C band)



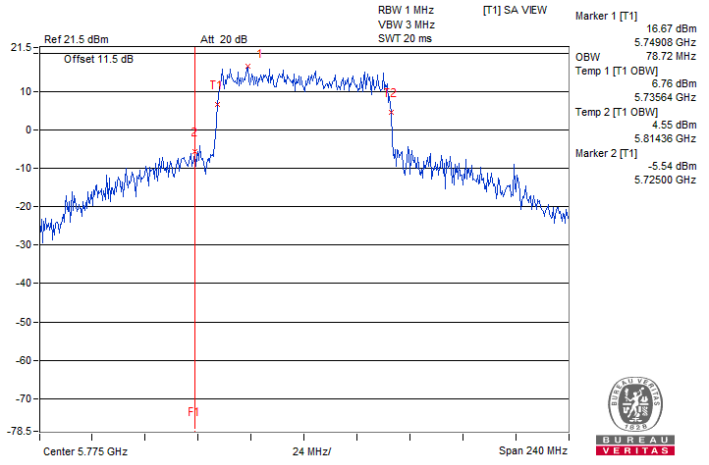

802.11ax (HE40) / Chain 0 : CH 151



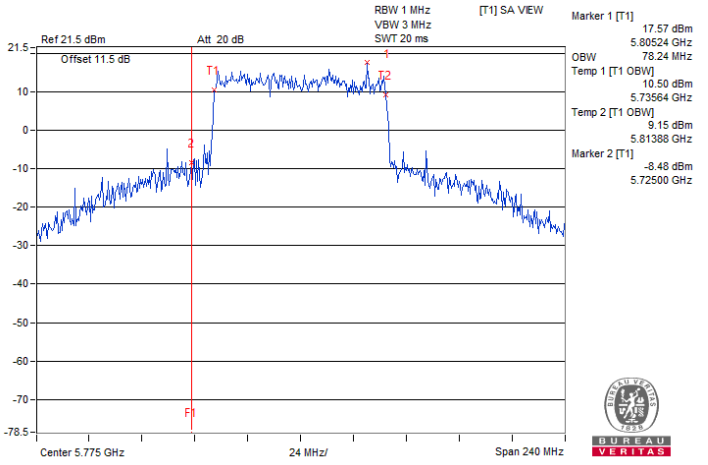

802.11ax (HE40) / Chain 1 : CH 151



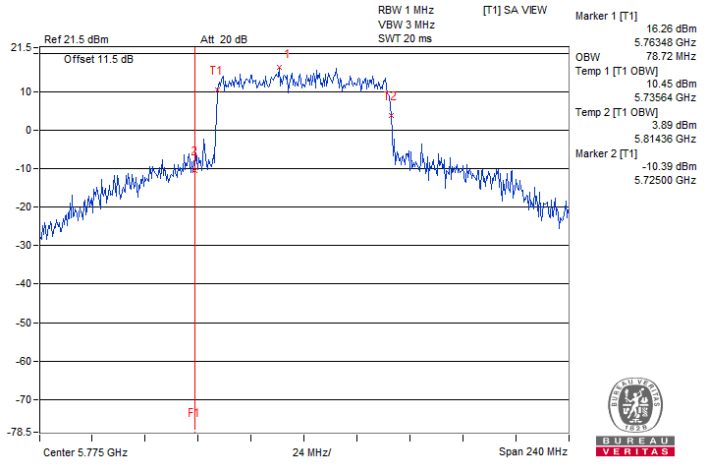

802.11ax (HE40) / Chain 2 : CH 151




802.11ax (HE80) / Chain 0 : CH 155




802.11ax (HE80) / Chain 1 : CH 155




802.11ax (HE80) / Chain 2 : CH 155

## 7.6 Frequency Stability

### Mode A

| Input Power: | 120 Vac, 60 Hz | Environmental Conditions: | 23 °C, 66 % RH | Tested By: | Eric Peng |
|---|---|---|---|---|---|

### 802.11a

| Frequency Stability Versus Temp. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Operating Frequency: 5180 MHz | | | | | | | | | |
| TEMP. (℃) | Power Supply (Vac) | 0 Minute | | 2 Minutes | | 5 Minutes | | 10 Minutes | |
| | | Measured Frequency (MHz) | Test Result | Measured Frequency (MHz) | Test Result | Measured Frequency (MHz) | Test Result | Measured Frequency (MHz) | Test Result |
| 40 | 120 | 5179.9748 | Pass | 5179.9765 | Pass | 5179.9736 | Pass | 5179.9743 | Pass |
| 30 | 120 | 5179.9957 | Pass | 5179.9959 | Pass | 5179.9985 | Pass | 5179.9963 | Pass |
| 20 | 120 | 5180.0063 | Pass | 5180.0057 | Pass | 5180.0092 | Pass | 5180.0098 | Pass |
| 10 | 120 | 5180.0051 | Pass | 5180.0018 | Pass | 5180.0028 | Pass | 5180.0032 | Pass |
| 0 | 120 | 5180.0181 | Pass | 5180.0214 | Pass | 5180.0218 | Pass | 5180.0196 | Pass |

| Frequency Stability Versus Voltage | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Operating Frequency: 5180 MHz | | | | | | | | | |
| TEMP. (℃) | Power Supply (Vac) | 0 Minute | | 2 Minutes | | 5 Minutes | | 10 Minutes | |
| | | Measured Frequency (MHz) | Test Result | Measured Frequency (MHz) | Test Result | Measured Frequency (MHz) | Test Result | Measured Frequency (MHz) | Test Result |
| 20 | 138 | 5180.0036 | Pass | 5180.003 | Pass | 5180.0048 | Pass | 5180.0042 | Pass |
| | 120 | 5180.0063 | Pass | 5180.0057 | Pass | 5180.0092 | Pass | 5180.0098 | Pass |
| | 102 | 5180.0048 | Pass | 5180.007 | Pass | 5180.0043 | Pass | 5180.0068 | Pass |

## Mode B

| Input Power: | 120 Vac, 60 Hz | Environmental Conditions: | 25°C, 60% RH | Tested By: | Eric Peng |
|---|---|---|---|---|---|

## 802.11a

| Frequency Stability Versus Temp. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Operating Frequency: 5180 MHz | | | | | | | | | |
| TEMP. (℃) | Power Supply (Vac) | 0 Minute | | 2 Minutes | | 5 Minutes | | 10 Minutes | |
| | | Measured Frequency (MHz) | Test Result | Measured Frequency (MHz) | Test Result | Measured Frequency (MHz) | Test Result | Measured Frequency (MHz) | Test Result |
| 40 | 120 | 5179.9945 | Pass | 5179.9933 | Pass | 5179.9938 | Pass | 5179.9945 | Pass |
| 30 | 120 | 5179.9803 | Pass | 5179.9766 | Pass | 5179.9804 | Pass | 5179.9801 | Pass |
| 20 | 120 | 5180.0243 | Pass | 5180.0233 | Pass | 5180.0228 | Pass | 5180.02 | Pass |
| 10 | 120 | 5180.0058 | Pass | 5180.0105 | Pass | 5180.008 | Pass | 5180.0087 | Pass |
| 0 | 120 | 5180.0215 | Pass | 5180.0185 | Pass | 5180.0222 | Pass | 5180.0204 | Pass |

| Frequency Stability Versus Voltage | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Operating Frequency: 5180 MHz | | | | | | | | | |
| TEMP. (℃) | Power Supply (Vac) | 0 Minute | | 2 Minutes | | 5 Minutes | | 10 Minutes | |
| | | Measured Frequency (MHz) | Test Result | Measured Frequency (MHz) | Test Result | Measured Frequency (MHz) | Test Result | Measured Frequency (MHz) | Test Result |
| 20 | 138 | 5180.0122 | Pass | 5180.0154 | Pass | 5180.0162 | Pass | 5180.0134 | Pass |
| | 120 | 5180.0243 | Pass | 5180.0233 | Pass | 5180.0228 | Pass | 5180.02 | Pass |
| | 102 | 5180.0191 | Pass | 5180.0214 | Pass | 5180.0184 | Pass | 5180.0168 | Pass |

## 7.7 AC Power Conducted Emissions

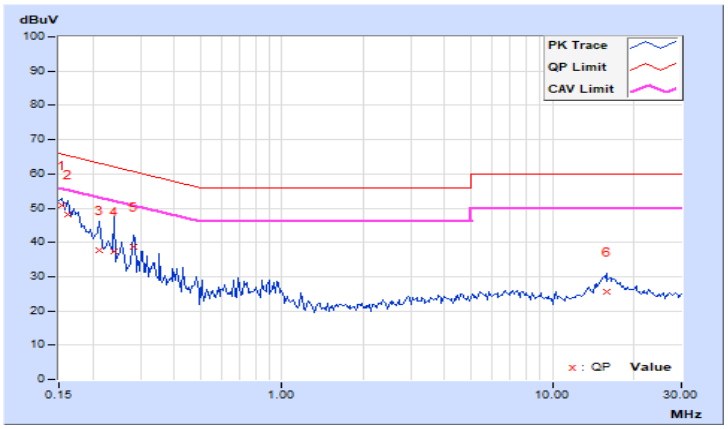
### Mode A

| | | | |
|---|---|---|---|
| **RF Mode** | TX 802.11ax (HE20) | **Channel** | CH 40：5200 MHz |
| **Frequency Range** | 150 kHz ~ 30 MHz | **Detector Function & Resolution Bandwidth** | Quasi-Peak (QP) / Average (AV), 9 kHz |
| **Input Power** | 120 Vac, 60 Hz | **Environmental Conditions** | 25 °C, 75 % RH |
| **Tested By** | Ryan Du | | |

| Phase Of Power : Line (L) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **No** | **Frequency (MHz)** | **Correction Factor (dB)** | **Reading Value (dBuV)** | | **Emission Level (dBuV)** | | **Limit (dBuV)** | | **Margin (dB)** | |
| | | | **Q.P.** | **AV.** | **Q.P.** | **AV.** | **Q.P.** | **AV.** | **Q.P.** | **AV.** |
| **1** | **0.15391** | **10.07** | **40.68** | **22.93** | **50.75** | **33.00** | **65.79** | **55.79** | **-15.04** | **-22.79** |
| 2 | 0.16172 | 10.07 | 38.06 | 21.32 | 48.13 | 31.39 | 65.38 | 55.38 | -17.25 | -23.99 |
| 3 | 0.21250 | 10.08 | 27.76 | 13.27 | 37.84 | 23.35 | 63.11 | 53.11 | -25.27 | -29.76 |
| 4 | 0.23984 | 10.09 | 27.38 | 6.68 | 37.47 | 16.77 | 62.10 | 52.10 | -24.63 | -35.33 |
| 5 | 0.28281 | 10.09 | 28.68 | 17.93 | 38.77 | 28.02 | 60.73 | 50.73 | -21.96 | -22.71 |
| 6 | 15.86328 | 11.25 | 14.22 | 8.41 | 25.47 | 19.66 | 60.00 | 50.00 | -34.53 | -30.34 |

**Remarks:**

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

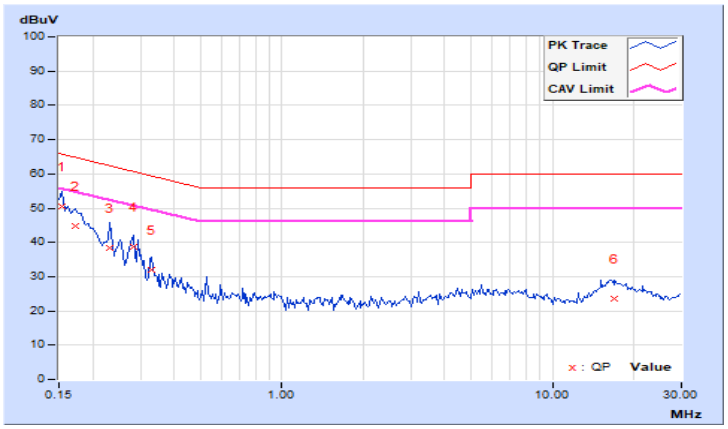


| | | | |
|---|---|---|---|
| **RF Mode** | TX 802.11ax (HE20) | **Channel** | CH 40：5200 MHz |
| **Frequency Range** | 150 kHz ~ 30 MHz | **Detector Function & Resolution Bandwidth** | Quasi-Peak (QP) / Average (AV), 9 kHz |
| **Input Power** | 120 Vac, 60 Hz | **Environmental Conditions** | 25 °C, 75 % RH |
| **Tested By** | Ryan Du | | |

| Phase Of Power : Neutral (N) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **No** | **Frequency (MHz)** | **Correction Factor (dB)** | **Reading Value (dBuV)** | | **Emission Level (dBuV)** | | **Limit (dBuV)** | | **Margin (dB)** | |
| | | | **Q.P.** | **AV.** | **Q.P.** | **AV.** | **Q.P.** | **AV.** | **Q.P.** | **AV.** |
| 1 | 0.15391 | 10.05 | 40.57 | 23.28 | 50.62 | 33.33 | 65.79 | 55.79 | -15.17 | -22.46 |
| 2 | 0.17344 | 10.06 | 34.63 | 18.94 | 44.69 | 29.00 | 64.79 | 54.79 | -20.10 | -25.79 |
| 3 | 0.23203 | 10.08 | 28.26 | 15.44 | 38.34 | 25.52 | 62.38 | 52.38 | -24.04 | -26.86 |
| 4 | 0.28281 | 10.09 | 28.58 | 16.40 | 38.67 | 26.49 | 60.73 | 50.73 | -22.06 | -24.24 |
| 5 | 0.32969 | 10.09 | 22.06 | 8.58 | 32.15 | 18.67 | 59.46 | 49.46 | -27.31 | -30.79 |
| 6 | 17.03906 | 11.11 | 12.62 | 6.55 | 23.73 | 17.66 | 60.00 | 50.00 | -36.27 | -32.34 |

**Remarks:**

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value



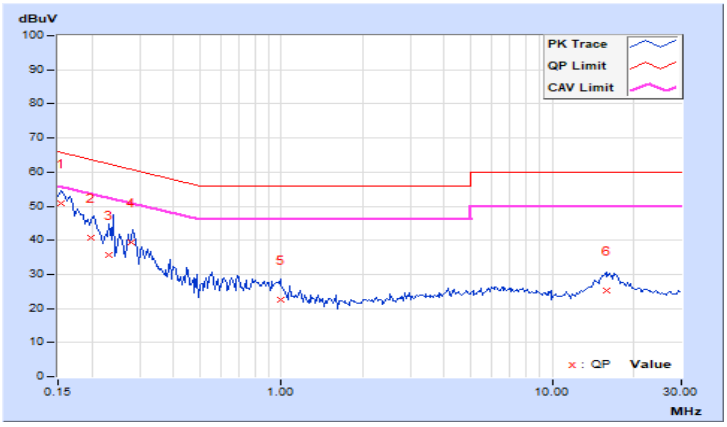
## Mode B

| | | | |
|---|---|---|---|
| **RF Mode** | TX 802.11ax (HE20) | **Channel** | CH 40：5200 MHz |
| **Frequency Range** | 150 kHz ~ 30 MHz | **Detector Function & Resolution Bandwidth** | Quasi-Peak (QP) / Average (AV), 9 kHz |
| **Input Power** | 120 Vac, 60 Hz | **Environmental Conditions** | 25°C, 66% RH |
| **Tested By** | Tom Yang | | |

| Phase Of Power : Line (L) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **No** | **Frequency (MHz)** | **Correction Factor (dB)** | **Reading Value (dBuV)** | | **Emission Level (dBuV)** | | **Limit (dBuV)** | | **Margin (dB)** | |
| | | | **Q.P.** | **AV.** | **Q.P.** | **AV.** | **Q.P.** | **AV.** | **Q.P.** | **AV.** |
| **1** | **0.15473** | **10.05** | **40.65** | **23.89** | **50.70** | **33.94** | **65.74** | **55.74** | **-15.04** | **-21.80** |
| 2 | 0.19943 | 10.05 | 30.56 | 17.44 | 40.61 | 27.49 | 63.63 | 53.63 | -23.02 | -26.14 |
| 3 | 0.23137 | 10.05 | 25.52 | 9.21 | 35.57 | 19.26 | 62.40 | 52.40 | -26.83 | -33.14 |
| 4 | 0.27943 | 10.06 | 29.41 | 20.46 | 39.47 | 30.52 | 60.83 | 50.83 | -21.36 | -20.31 |
| 5 | 0.99074 | 10.11 | 12.35 | 2.37 | 22.46 | 12.48 | 56.00 | 46.00 | -33.54 | -33.52 |
| 6 | 15.87920 | 10.97 | 14.15 | 8.17 | 25.12 | 19.14 | 60.00 | 50.00 | -34.88 | -30.86 |

**Remarks:**

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

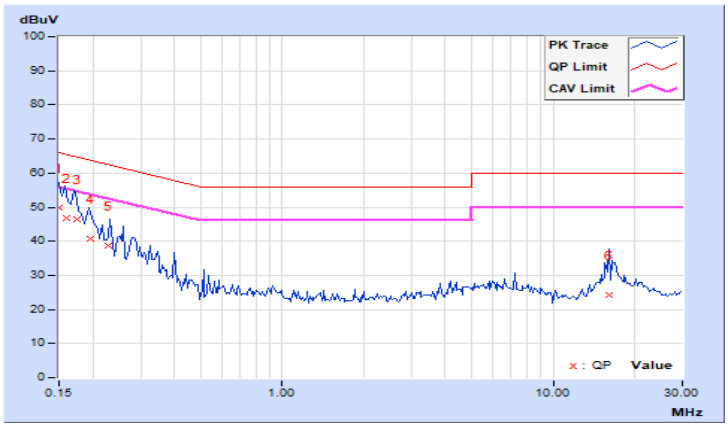


| | | | |
|---|---|---|---|
| **RF Mode** | TX 802.11ax (HE20) | **Channel** | CH 40：5200 MHz |
| **Frequency Range** | 150 kHz ~ 30 MHz | **Detector Function & Resolution Bandwidth** | Quasi-Peak (QP) / Average (AV), 9 kHz |
| **Input Power** | 120 Vac, 60 Hz | **Environmental Conditions** | 25°C, 66% RH |
| **Tested By** | Tom Yang | | |

| Phase Of Power : Neutral (N) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **No** | **Frequency (MHz)** | **Correction Factor (dB)** | **Reading Value (dBuV)** | | **Emission Level (dBuV)** | | **Limit (dBuV)** | | **Margin (dB)** | |
| | | | **Q.P.** | **AV.** | **Q.P.** | **AV.** | **Q.P.** | **AV.** | **Q.P.** | **AV.** |
| 1 | 0.15043 | 10.05 | 39.73 | 23.31 | 49.78 | 33.36 | 65.98 | 55.98 | -16.20 | -22.62 |
| 2 | 0.15907 | 10.06 | 36.82 | 22.40 | 46.88 | 32.46 | 65.51 | 55.51 | -18.63 | -23.05 |
| 3 | 0.17392 | 10.06 | 36.54 | 19.07 | 46.60 | 29.13 | 64.77 | 54.77 | -18.17 | -25.64 |
| 4 | 0.19547 | 10.08 | 30.52 | 12.73 | 40.60 | 22.81 | 63.80 | 53.80 | -23.20 | -30.99 |
| 5 | 0.22819 | 10.08 | 28.54 | 15.41 | 38.62 | 25.49 | 62.52 | 52.52 | -23.90 | -27.03 |
| 6 | 16.18762 | 11.06 | 13.27 | 7.43 | 24.33 | 18.49 | 60.00 | 50.00 | -35.67 | -31.51 |

**Remarks:**

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value



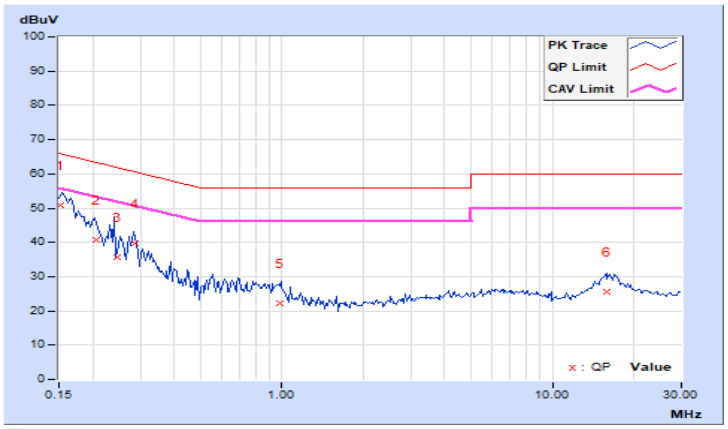
## Mode C

| RF Mode | TX 802.11ax (HE20) | Channel | CH 40：5200 MHz |
|---|---|---|---|
| Frequency Range | 150 kHz ~ 30 MHz | Detector Function & Resolution Bandwidth | Quasi-Peak (QP) / Average (AV), 9 kHz |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 25°C, 66% RH |
| Tested By | Tom Yang | | |

| Phase Of Power : Line (L) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| No | Frequency (MHz) | Correction Factor (dB) | Reading Value (dBuV) | | Emission Level (dBuV) | | Limit (dBuV) | | Margin (dB) | |
| | | | Q.P. | AV. | Q.P. | AV. | Q.P. | AV. | Q.P. | AV. |
| 1 | 0.15137 | 10.07 | 40.64 | 23.88 | 50.71 | 33.95 | 65.92 | 55.92 | -15.21 | -21.97 |
| 2 | 0.20715 | 10.08 | 30.59 | 17.63 | 40.67 | 27.71 | 63.32 | 53.32 | -22.65 | -25.61 |
| 3 | 0.24571 | 10.09 | 25.53 | 9.19 | 35.62 | 19.28 | 61.90 | 51.90 | -26.28 | -32.62 |
| 4 | 0.28655 | 10.09 | 29.62 | 20.63 | 39.71 | 30.72 | 60.62 | 50.62 | -20.91 | -19.90 |
| 5 | 0.97986 | 10.15 | 12.15 | 2.54 | 22.30 | 12.69 | 56.00 | 46.00 | -33.70 | -33.31 |
| 6 | 15.89151 | 11.25 | 14.26 | 8.37 | 25.51 | 19.62 | 60.00 | 50.00 | -34.49 | -30.38 |

**Remarks:**

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

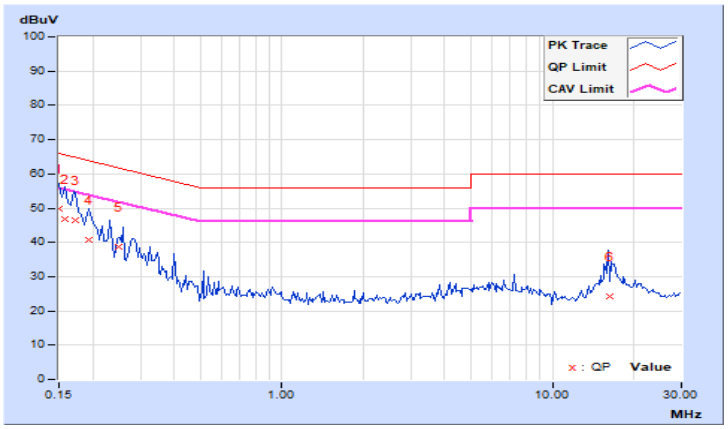


| | | | |
|---|---|---|---|
| **RF Mode** | TX 802.11ax (HE20) | **Channel** | CH 40：5200 MHz |
| **Frequency Range** | 150 kHz ~ 30 MHz | **Detector Function & Resolution Bandwidth** | Quasi-Peak (QP) / Average (AV), 9 kHz |
| **Input Power** | 120 Vac, 60 Hz | **Environmental Conditions** | 25°C, 66% RH |
| **Tested By** | Tom Yang | | |

| Phase Of Power : Neutral (N) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **No** | **Frequency (MHz)** | **Correction Factor (dB)** | **Reading Value (dBuV)** | | **Emission Level (dBuV)** | | **Limit (dBuV)** | | **Margin (dB)** | |
| | | | **Q.P.** | **AV.** | **Q.P.** | **AV.** | **Q.P.** | **AV.** | **Q.P.** | **AV.** |
| 1 | 0.15015 | 10.05 | 39.74 | 23.53 | 49.79 | 33.58 | 65.99 | 55.99 | -16.20 | -22.41 |
| 2 | 0.15862 | 10.06 | 36.63 | 22.15 | 46.69 | 32.21 | 65.54 | 55.54 | -18.85 | -23.33 |
| 3 | 0.17155 | 10.06 | 36.56 | 19.07 | 46.62 | 29.13 | 64.89 | 54.89 | -18.27 | -25.76 |
| 4 | 0.19437 | 10.08 | 30.52 | 12.76 | 40.60 | 22.84 | 63.85 | 53.85 | -23.25 | -31.01 |
| 5 | 0.24926 | 10.08 | 28.64 | 15.48 | 38.72 | 25.56 | 61.78 | 51.78 | -23.06 | -26.22 |
| 6 | 16.20157 | 11.06 | 13.26 | 7.41 | 24.32 | 18.47 | 60.00 | 50.00 | -35.68 | -31.53 |

**Remarks:**

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value



## 7.8 Unwanted Emissions below 1 GHz

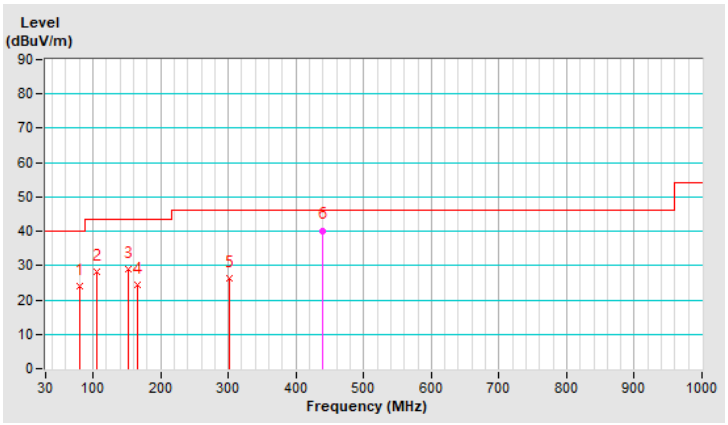
### Mode A

| | | | |
|---|---|---|---|
| **RF Mode** | TX 802.11ax (HE20) | **Channel** | CH 40：5200 MHz |
| **Frequency Range** | 9 kHz ~ 1 GHz | **Detector Function & Bandwidth** | (QP) RB = 120kHz |
| **Input Power** | 120 Vac, 60 Hz | **Environmental Conditions** | 20 °C, 70 % RH |
| **Tested By** | Ryan Du | | |

| Antenna Polarity & Test Distance : Horizontal at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **No** | **Frequency (MHz)** | **Emission Level (dBuV/m)** | **Limit (dBuV/m)** | **Margin (dB)** | **Antenna Height (m)** | **Table Angle (Degree)** | **Raw Value (dBuV)** | **Correction Factor (dB/m)** |
| 1 | 80.06 | 24.1 QP | 40.0 | -15.9 | 2.00 H | 267 | 41.1 | -17.0 |
| 2 | 105.09 | 28.2 QP | 43.5 | -15.3 | 2.00 H | 186 | 43.5 | -15.3 |
| 3 | 152.41 | 29.0 QP | 43.5 | -14.5 | 1.00 H | 62 | 40.6 | -11.6 |
| 4 | 166.73 | 24.4 QP | 43.5 | -19.1 | 1.00 H | 151 | 36.4 | -12.0 |
| 5 | 300.66 | 26.3 QP | 46.0 | -19.7 | 2.00 H | 134 | 36.7 | -10.4 |
| 6 | 440.02 | 40.2 QP | 46.0 | -5.8 | 2.00 H | 167 | 46.1 | -5.9 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The emission levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

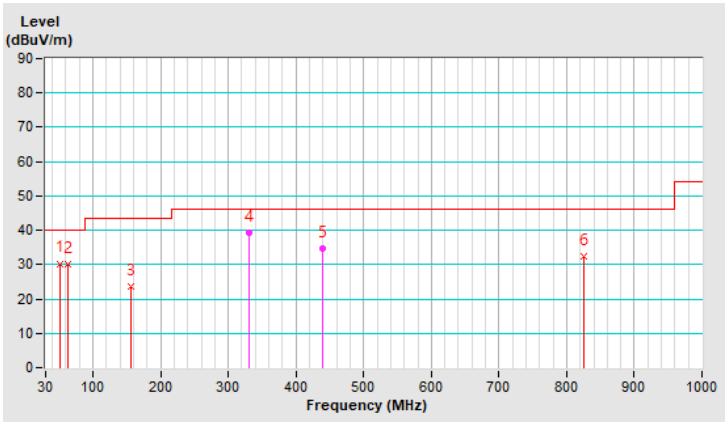


| | | | |
|---|---|---|---|
| **RF Mode** | TX 802.11ax (HE20) | **Channel** | CH 40：5200 MHz |
| **Frequency Range** | 9 kHz ~ 1 GHz | **Detector Function & Bandwidth** | (QP) RB = 120kHz |
| **Input Power** | 120 Vac, 60 Hz | **Environmental Conditions** | 20 °C, 70 % RH |
| **Tested By** | Ryan Du | | |

| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **No** | **Frequency (MHz)** | **Emission Level (dBuV/m)** | **Limit (dBuV/m)** | **Margin (dB)** | **Antenna Height (m)** | **Table Angle (Degree)** | **Raw Value (dBuV)** | **Correction Factor (dB/m)** |
| 1 | 51.11 | 30.3 QP | 40.0 | -9.7 | 1.00 V | 13 | 42.5 | -12.2 |
| 2 | 63.21 | 30.2 QP | 40.0 | -9.8 | 2.00 V | 18 | 43.5 | -13.3 |
| 3 | 156.38 | 23.5 QP | 43.5 | -20.0 | 2.00 V | 2 | 35.1 | -11.6 |
| 4 | 330.01 | 39.4 QP | 46.0 | -6.6 | 1.50 V | 46 | 48.8 | -9.4 |
| 5 | 440.03 | 34.8 QP | 46.0 | -11.2 | 1.50 V | 67 | 40.7 | -5.9 |
| 6 | 825.03 | 32.5 QP | 46.0 | -13.5 | 2.00 V | 294 | 30.3 | 2.2 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The emission levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



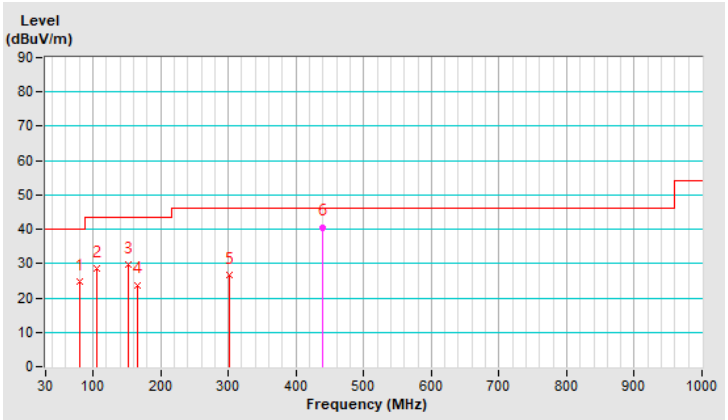
## Mode B

| RF Mode | TX 802.11ax (HE20) | Channel | CH 40：5200 MHz |
|---|---|---|---|
| Frequency Range | 9 kHz ~ 1 GHz | Detector Function & Bandwidth | (QP) RB = 120kHz |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 20°C, 70% RH |
| Tested By | Tom Yang | | |

| Antenna Polarity & Test Distance : Horizontal at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | 79.96 | 24.8 QP | 40.0 | -15.2 | 2.00 H | 275 | 41.7 | -16.9 |
| 2 | 104.95 | 28.7 QP | 43.5 | -14.8 | 2.00 H | 169 | 44.0 | -15.3 |
| 3 | 152.70 | 29.7 QP | 43.5 | -13.8 | 1.00 H | 92 | 41.3 | -11.6 |
| 4 | 166.39 | 23.8 QP | 43.5 | -19.7 | 1.50 H | 186 | 35.8 | -12.0 |
| 5 | 300.94 | 26.6 QP | 46.0 | -19.4 | 2.00 H | 164 | 37.0 | -10.4 |
| 6 | 439.93 | 40.6 QP | 46.0 | -5.4 | 1.50 H | 193 | 46.5 | -5.9 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The emission levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

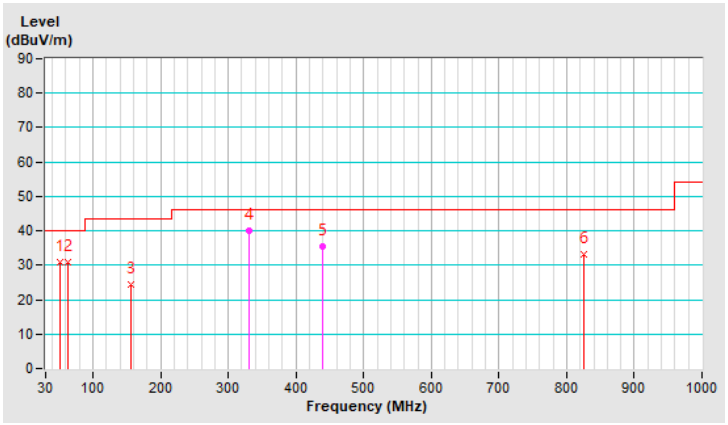


| | | | |
|---|---|---|---|
| **RF Mode** | TX 802.11ax (HE20) | **Channel** | CH 40：5200 MHz |
| **Frequency Range** | 9 kHz ~ 1 GHz | **Detector Function & Bandwidth** | (QP) RB = 120kHz |
| **Input Power** | 120 Vac, 60 Hz | **Environmental Conditions** | 20°C, 70% RH |
| **Tested By** | Tom Yang | | |

| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **No** | **Frequency (MHz)** | **Emission Level (dBuV/m)** | **Limit (dBuV/m)** | **Margin (dB)** | **Antenna Height (m)** | **Table Angle (Degree)** | **Raw Value (dBuV)** | **Correction Factor (dB/m)** |
| 1 | 50.89 | 30.8 QP | 40.0 | -9.2 | 1.00 V | 6 | 43.0 | -12.2 |
| 2 | 63.58 | 31.0 QP | 40.0 | -9.0 | 1.50 V | 11 | 44.2 | -13.2 |
| 3 | 156.74 | 24.3 QP | 43.5 | -19.2 | 2.00 V | 224 | 35.9 | -11.6 |
| 4 | 329.80 | 40.0 QP | 46.0 | -6.0 | 1.50 V | 89 | 49.5 | -9.5 |
| 5 | 439.92 | 35.5 QP | 46.0 | -10.5 | 2.00 V | 356 | 41.4 | -5.9 |
| 6 | 825.28 | 33.1 QP | 46.0 | -12.9 | 1.00 V | 326 | 30.9 | 2.2 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The emission levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



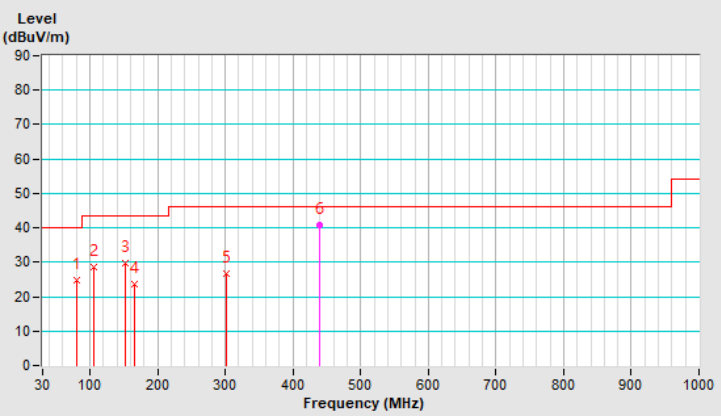
## Mode C

| RF Mode | TX 802.11ax (HE20) | Channel | CH 40：5200 MHz |
|---|---|---|---|
| Frequency Range | 9 kHz ~ 1 GHz | Detector Function & Bandwidth | (QP) RB = 120kHz |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 20°C, 70% RH |
| Tested By | Tom Yang | | |

| Antenna Polarity & Test Distance : Horizontal at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | 80.26 | 24.7 QP | 40.0 | -15.3 | 2.00 H | 276 | 41.7 | -17.0 |
| 2 | 104.74 | 28.5 QP | 43.5 | -15.0 | 1.50 H | 165 | 43.9 | -15.4 |
| 3 | 152.80 | 29.7 QP | 43.5 | -13.8 | 1.50 H | 81 | 41.3 | -11.6 |
| 4 | 165.23 | 23.7 QP | 43.5 | -19.8 | 1.00 H | 126 | 35.6 | -11.9 |
| 5 | 300.84 | 26.8 QP | 46.0 | -19.2 | 2.00 H | 185 | 37.2 | -10.4 |
| **6** | **439.69** | **40.9 QP** | **46.0** | **-5.1** | **2.00 H** | **191** | **46.8** | **-5.9** |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The emission levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

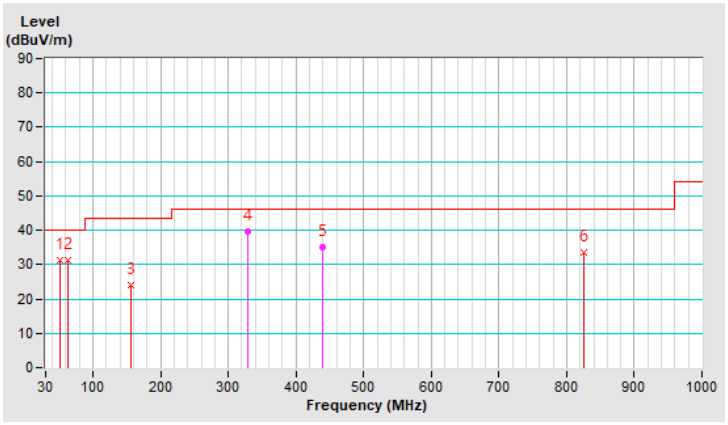


| | | | |
|---|---|---|---|
| **RF Mode** | TX 802.11ax (HE20) | **Channel** | CH 40：5200 MHz |
| **Frequency Range** | 9 kHz ~ 1 GHz | **Detector Function & Bandwidth** | (QP) RB = 120kHz |
| **Input Power** | 120 Vac, 60 Hz | **Environmental Conditions** | 20°C, 70% RH |
| **Tested By** | Tom Yang | | |

| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **No** | **Frequency (MHz)** | **Emission Level (dBuV/m)** | **Limit (dBuV/m)** | **Margin (dB)** | **Antenna Height (m)** | **Table Angle (Degree)** | **Raw Value (dBuV)** | **Correction Factor (dB/m)** |
| 1 | 51.09 | 31.4 QP | 40.0 | -8.6 | 2.00 V | 14 | 43.6 | -12.2 |
| 2 | 63.11 | 31.4 QP | 40.0 | -8.6 | 2.00 V | 36 | 44.7 | -13.3 |
| 3 | 155.41 | 23.9 QP | 43.5 | -19.6 | 1.50 V | 247 | 35.4 | -11.5 |
| 4 | 329.37 | 39.6 QP | 46.0 | -6.4 | 1.50 V | 66 | 49.1 | -9.5 |
| 5 | 439.40 | 35.1 QP | 46.0 | -10.9 | 2.00 V | 6 | 41.0 | -5.9 |
| 6 | 825.51 | 33.5 QP | 46.0 | -12.5 | 1.00 V | 357 | 31.3 | 2.2 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The emission levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



## 7.9 Unwanted Emissions above 1 GHz

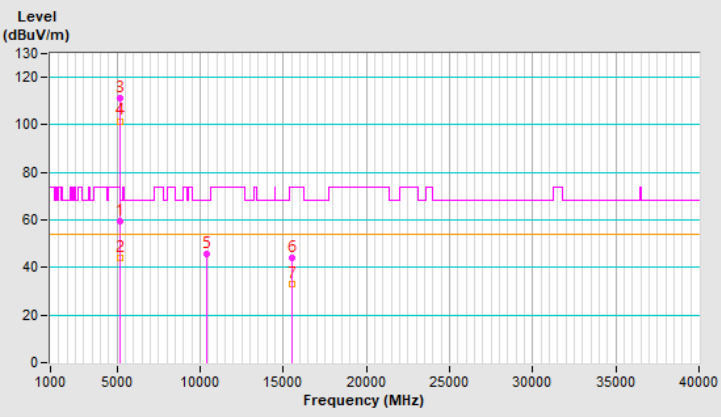
### Mode A

| RF Mode | TX 802.11a | Channel | CH 36：5180 MHz |
|---|---|---|---|
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 20 °C, 70 % RH |
| Tested By | Vic Huang | | |

| Antenna Polarity & Test Distance : Horizontal at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | 5150.00 | 59.5 PK | 74.0 | -14.5 | 1.51 H | 355 | 58.5 | 1.0 |
| 2 | 5150.00 | 44.2 AV | 54.0 | -9.8 | 1.51 H | 355 | 43.2 | 1.0 |
| 3 | *5180.00 | 111.1 PK | | | 1.51 H | 355 | 110.4 | 0.7 |
| 4 | *5180.00 | 101.6 AV | | | 1.51 H | 355 | 100.9 | 0.7 |
| 5 | #10360.00 | 45.6 PK | 68.2 | -22.6 | 1.78 H | 243 | 35.1 | 10.5 |
| 6 | 15540.00 | 44.1 PK | 74.0 | -29.9 | 1.88 H | 302 | 32.6 | 11.5 |
| 7 | 15540.00 | 32.8 AV | 54.0 | -21.2 | 1.88 H | 302 | 21.3 | 11.5 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

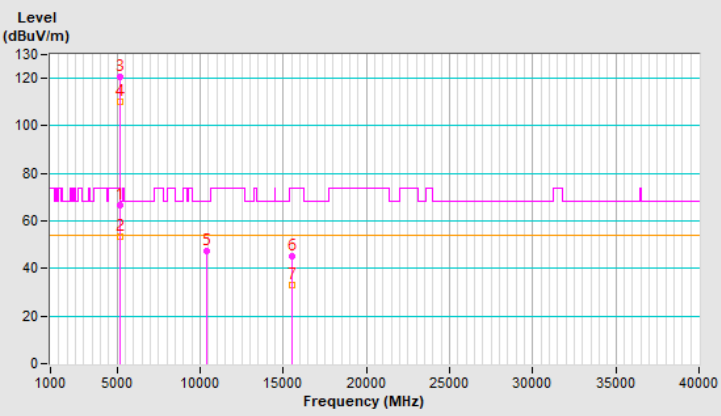


| RF Mode | TX 802.11a | Channel | CH 36：5180 MHz |
|---|---|---|---|
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 20 °C, 70 % RH |
| Tested By | Vic Huang | | |

| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | 5150.00 | 66.7 PK | 74.0 | -7.3 | 2.45 V | 228 | 65.7 | 1.0 |
| 2 | 5150.00 | 53.6 AV | 54.0 | -0.4 | 2.45 V | 228 | 52.6 | 1.0 |
| 3 | *5180.00 | 120.7 PK | | | 2.45 V | 228 | 120.0 | 0.7 |
| 4 | *5180.00 | 110.4 AV | | | 2.45 V | 228 | 109.7 | 0.7 |
| 5 | #10360.00 | 47.1 PK | 68.2 | -21.1 | 2.46 V | 321 | 36.6 | 10.5 |
| 6 | 15540.00 | 45.2 PK | 74.0 | -28.8 | 2.23 V | 158 | 33.7 | 11.5 |
| 7 | 15540.00 | 33.1 AV | 54.0 | -20.9 | 2.23 V | 158 | 21.6 | 11.5 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

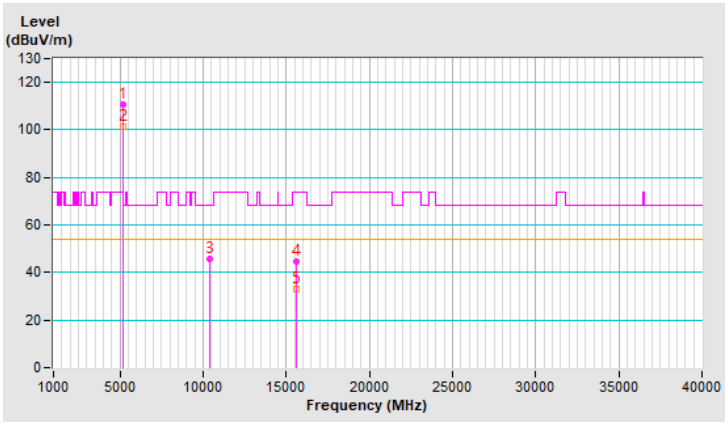


| RF Mode | TX 802.11a | Channel | CH 40：5200 MHz |
|---|---|---|---|
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 20 °C, 70 % RH |
| Tested By | Vic Huang | | |

| Antenna Polarity & Test Distance : Horizontal at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *5200.00 | 110.7 PK | | | 1.45 H | 344 | 110.1 | 0.6 |
| 2 | *5200.00 | 101.2 AV | | | 1.45 H | 344 | 100.6 | 0.6 |
| 3 | #10400.00 | 45.5 PK | 68.2 | -22.7 | 1.75 H | 243 | 34.8 | 10.7 |
| 4 | 15600.00 | 44.4 PK | 74.0 | -29.6 | 1.86 H | 291 | 32.7 | 11.7 |
| 5 | 15600.00 | 32.9 AV | 54.0 | -21.1 | 1.86 H | 291 | 21.2 | 11.7 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

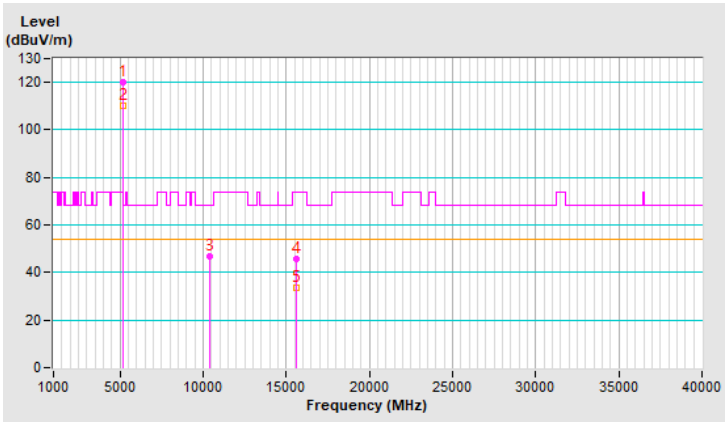


| | | | |
|---|---|---|---|
| **RF Mode** | TX 802.11a | **Channel** | CH 40：5200 MHz |
| **Frequency Range** | 1 GHz ~ 40 GHz | **Detector Function & Bandwidth** | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| **Input Power** | 120 Vac, 60 Hz | **Environmental Conditions** | 20 °C, 70 % RH |
| **Tested By** | Vic Huang | | |

| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **No** | **Frequency (MHz)** | **Emission Level (dBuV/m)** | **Limit (dBuV/m)** | **Margin (dB)** | **Antenna Height (m)** | **Table Angle (Degree)** | **Raw Value (dBuV)** | **Correction Factor (dB/m)** |
| 1 | *5200.00 | 120.2 PK | | | 2.51 V | 229 | 119.6 | 0.6 |
| 2 | *5200.00 | 110.2 AV | | | 2.51 V | 229 | 109.6 | 0.6 |
| 3 | #10400.00 | 47.0 PK | 68.2 | -21.2 | 2.47 V | 310 | 36.3 | 10.7 |
| 4 | 15600.00 | 45.7 PK | 74.0 | -28.3 | 2.19 V | 145 | 34.0 | 11.7 |
| 5 | 15600.00 | 33.4 AV | 54.0 | -20.6 | 2.19 V | 145 | 21.7 | 11.7 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

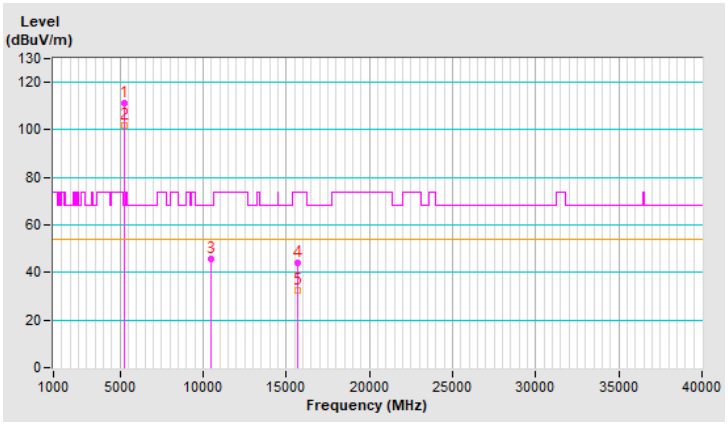


| | | | |
|---|---|---|---|
| **RF Mode** | TX 802.11a | **Channel** | CH 48：5240 MHz |
| **Frequency Range** | 1 GHz ~ 40 GHz | **Detector Function & Bandwidth** | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| **Input Power** | 120 Vac, 60 Hz | **Environmental Conditions** | 20 °C, 70 % RH |
| **Tested By** | Vic Huang | | |

| Antenna Polarity & Test Distance : Horizontal at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **No** | **Frequency (MHz)** | **Emission Level (dBuV/m)** | **Limit (dBuV/m)** | **Margin (dB)** | **Antenna Height (m)** | **Table Angle (Degree)** | **Raw Value (dBuV)** | **Correction Factor (dB/m)** |
| 1 | *5240.00 | 111.4 PK | | | 1.45 H | 360 | 111.0 | 0.4 |
| 2 | *5240.00 | 101.7 AV | | | 1.45 H | 360 | 101.3 | 0.4 |
| 3 | #10480.00 | 45.8 PK | 68.2 | -22.4 | 1.83 H | 250 | 35.3 | 10.5 |
| 4 | 15720.00 | 43.8 PK | 74.0 | -30.2 | 1.88 H | 306 | 32.3 | 11.5 |
| 5 | 15720.00 | 32.6 AV | 54.0 | -21.4 | 1.88 H | 306 | 21.1 | 11.5 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

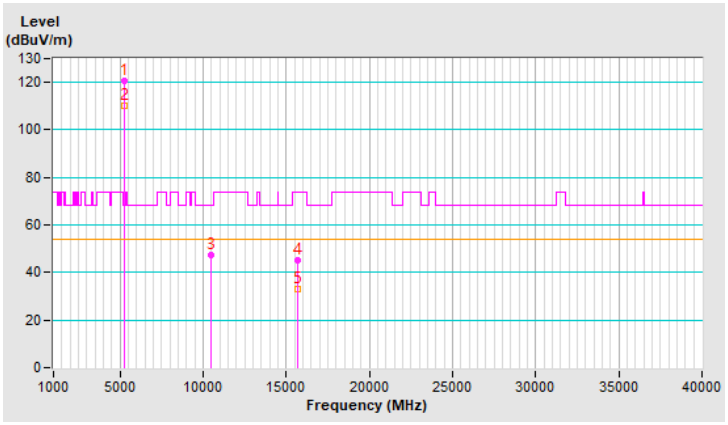


| RF Mode | TX 802.11a | Channel | CH 48：5240 MHz |
|---|---|---|---|
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 20 °C, 70 % RH |
| Tested By | Vic Huang | | |

| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *5240.00 | 120.6 PK | | | 2.50 V | 228 | 120.2 | 0.4 |
| 2 | *5240.00 | 110.4 AV | | | 2.50 V | 228 | 110.0 | 0.4 |
| 3 | #10480.00 | 47.1 PK | 68.2 | -21.1 | 2.41 V | 313 | 36.6 | 10.5 |
| 4 | 15720.00 | 45.1 PK | 74.0 | -28.9 | 2.19 V | 144 | 33.6 | 11.5 |
| 5 | 15720.00 | 32.9 AV | 54.0 | -21.1 | 2.19 V | 144 | 21.4 | 11.5 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

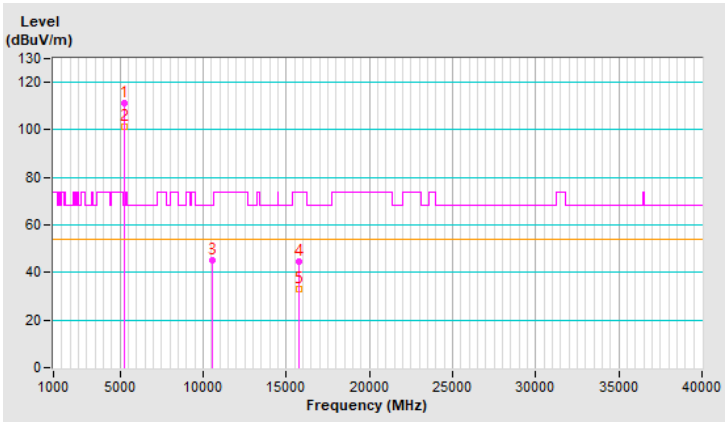


| | | | |
|---|---|---|---|
| **RF Mode** | TX 802.11a | **Channel** | CH 52：5260 MHz |
| **Frequency Range** | 1 GHz ~ 40 GHz | **Detector Function & Bandwidth** | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| **Input Power** | 120 Vac, 60 Hz | **Environmental Conditions** | 20 °C, 70 % RH |
| **Tested By** | Vic Huang | | |

| Antenna Polarity & Test Distance : Horizontal at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **No** | **Frequency (MHz)** | **Emission Level (dBuV/m)** | **Limit (dBuV/m)** | **Margin (dB)** | **Antenna Height (m)** | **Table Angle (Degree)** | **Raw Value (dBuV)** | **Correction Factor (dB/m)** |
| 1 | *5260.00 | 111.3 PK | | | 1.42 H | 341 | 111.0 | 0.3 |
| 2 | *5260.00 | 101.5 AV | | | 1.42 H | 341 | 101.2 | 0.3 |
| 3 | #10520.00 | 45.0 PK | 68.2 | -23.2 | 1.79 H | 230 | 34.6 | 10.4 |
| 4 | 15780.00 | 44.6 PK | 74.0 | -29.4 | 1.84 H | 295 | 33.2 | 11.4 |
| 5 | 15780.00 | 33.2 AV | 54.0 | -20.8 | 1.84 H | 295 | 21.8 | 11.4 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

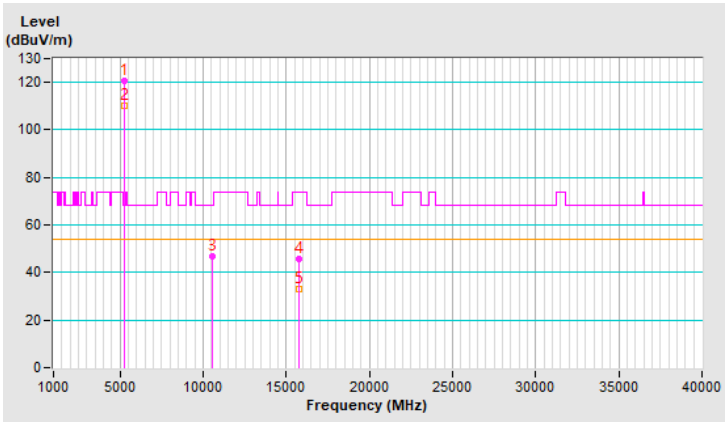


| RF Mode | TX 802.11a | Channel | CH 52：5260 MHz |
|---|---|---|---|
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 20 °C, 70 % RH |
| Tested By | Vic Huang | | |

| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *5260.00 | 120.8 PK | | | 2.39 V | 243 | 120.5 | 0.3 |
| 2 | *5260.00 | 110.4 AV | | | 2.39 V | 243 | 110.1 | 0.3 |
| 3 | #10520.00 | 46.9 PK | 68.2 | -21.3 | 2.42 V | 316 | 36.5 | 10.4 |
| 4 | 15780.00 | 45.5 PK | 74.0 | -28.5 | 2.26 V | 151 | 34.1 | 11.4 |
| 5 | 15780.00 | 33.2 AV | 54.0 | -20.8 | 2.26 V | 151 | 21.8 | 11.4 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

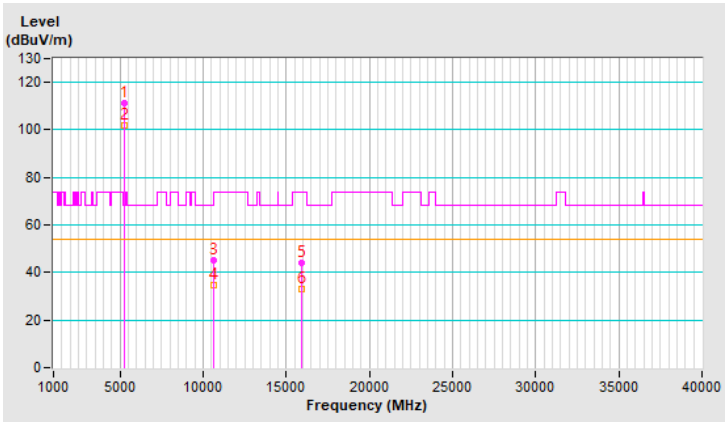


| | | | |
|---|---|---|---|
| **RF Mode** | TX 802.11a | **Channel** | CH 60：5300 MHz |
| **Frequency Range** | 1 GHz ~ 40 GHz | **Detector Function & Bandwidth** | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| **Input Power** | 120 Vac, 60 Hz | **Environmental Conditions** | 20 °C, 70 % RH |
| **Tested By** | Vic Huang | | |

| Antenna Polarity & Test Distance : Horizontal at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **No** | **Frequency (MHz)** | **Emission Level (dBuV/m)** | **Limit (dBuV/m)** | **Margin (dB)** | **Antenna Height (m)** | **Table Angle (Degree)** | **Raw Value (dBuV)** | **Correction Factor (dB/m)** |
| 1 | *5300.00 | 111.2 PK | | | 1.48 H | 360 | 110.9 | 0.3 |
| 2 | *5300.00 | 101.7 AV | | | 1.48 H | 360 | 101.4 | 0.3 |
| 3 | 10600.00 | 45.3 PK | 74.0 | -28.7 | 1.81 H | 250 | 35.4 | 9.9 |
| 4 | 10600.00 | 34.5 AV | 54.0 | -19.5 | 1.81 H | 250 | 24.6 | 9.9 |
| 5 | 15900.00 | 44.2 PK | 74.0 | -29.8 | 1.87 H | 305 | 32.6 | 11.6 |
| 6 | 15900.00 | 33.0 AV | 54.0 | -21.0 | 1.87 H | 305 | 21.4 | 11.6 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

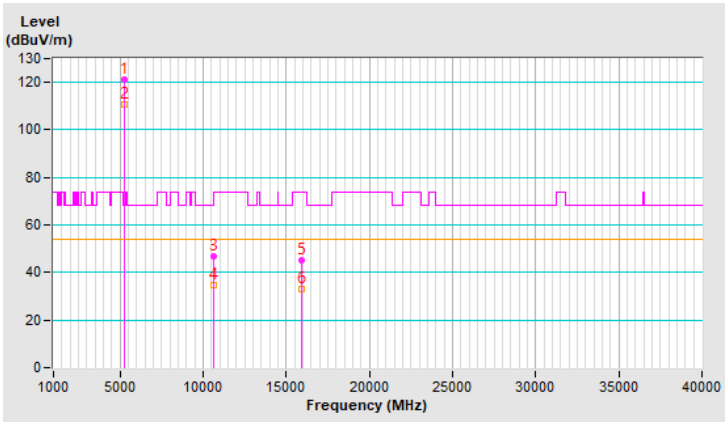


| RF Mode | TX 802.11a | Channel | CH 60：5300 MHz |
|---|---|---|---|
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 20 °C, 70 % RH |
| Tested By | Vic Huang | | |

| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *5300.00 | 121.0 PK | | | 2.40 V | 237 | 120.7 | 0.3 |
| 2 | *5300.00 | 110.6 AV | | | 2.40 V | 237 | 110.3 | 0.3 |
| 3 | 10600.00 | 46.8 PK | 74.0 | -27.2 | 2.42 V | 323 | 36.9 | 9.9 |
| 4 | 10600.00 | 34.8 AV | 54.0 | -19.2 | 2.42 V | 323 | 24.9 | 9.9 |
| 5 | 15900.00 | 45.2 PK | 74.0 | -28.8 | 2.24 V | 167 | 33.6 | 11.6 |
| 6 | 15900.00 | 33.1 AV | 54.0 | -20.9 | 2.24 V | 167 | 21.5 | 11.6 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

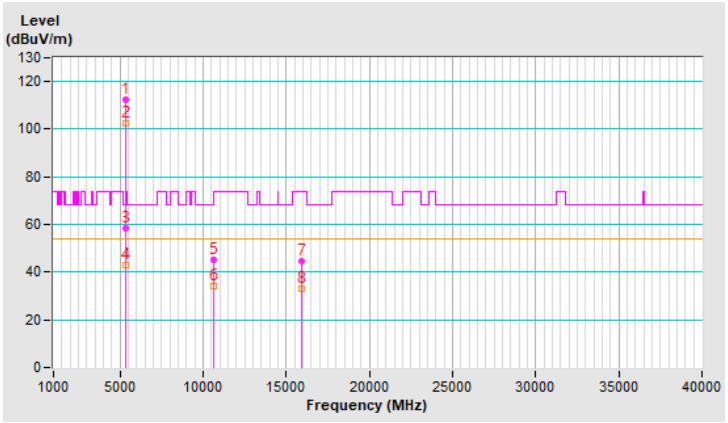


| RF Mode | TX 802.11a | Channel | CH 64：5320 MHz |
|---|---|---|---|
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 20 °C, 70 % RH |
| Tested By | Vic Huang | | |

| Antenna Polarity & Test Distance : Horizontal at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *5320.00 | 112.6 PK | | | 1.37 H | 295 | 112.2 | 0.4 |
| 2 | *5320.00 | 102.2 AV | | | 1.37 H | 295 | 101.8 | 0.4 |
| 3 | 5350.00 | 58.6 PK | 74.0 | -15.4 | 1.37 H | 295 | 58.0 | 0.6 |
| 4 | 5350.00 | 43.1 AV | 54.0 | -10.9 | 1.37 H | 295 | 42.5 | 0.6 |
| 5 | 10640.00 | 45.1 PK | 74.0 | -28.9 | 1.81 H | 238 | 35.0 | 10.1 |
| 6 | 10640.00 | 34.1 AV | 54.0 | -19.9 | 1.81 H | 238 | 24.0 | 10.1 |
| 7 | 15960.00 | 44.4 PK | 74.0 | -29.6 | 1.84 H | 302 | 32.6 | 11.8 |
| 8 | 15960.00 | 32.9 AV | 54.0 | -21.1 | 1.84 H | 302 | 21.1 | 11.8 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

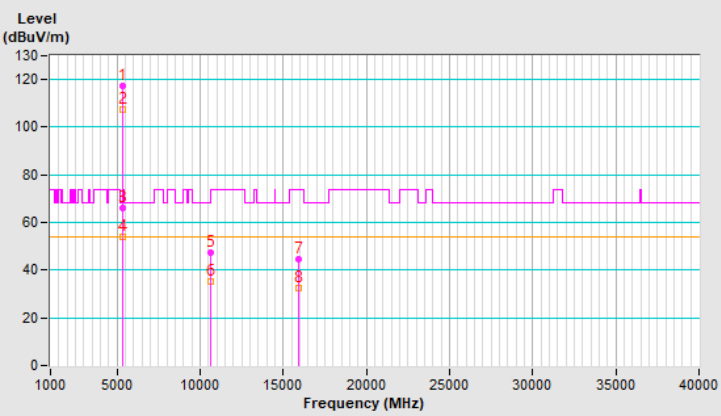


| RF Mode | TX 802.11a | Channel | CH 64：5320 MHz |
|---|---|---|---|
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 20 °C, 70 % RH |
| Tested By | Vic Huang | | |

| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *5320.00 | 117.3 PK | | | 3.14 V | 254 | 116.9 | 0.4 |
| 2 | *5320.00 | 107.5 AV | | | 3.14 V | 254 | 107.1 | 0.4 |
| 3 | 5350.00 | 66.3 PK | 74.0 | -7.7 | 3.14 V | 254 | 65.7 | 0.6 |
| 4 | 5350.00 | 53.8 AV | 54.0 | -0.2 | 3.14 V | 254 | 53.2 | 0.6 |
| 5 | 10640.00 | 47.3 PK | 74.0 | -26.7 | 2.48 V | 320 | 37.2 | 10.1 |
| 6 | 10640.00 | 35.4 AV | 54.0 | -18.6 | 2.48 V | 320 | 25.3 | 10.1 |
| 7 | 15960.00 | 44.5 PK | 74.0 | -29.5 | 2.19 V | 157 | 32.7 | 11.8 |
| 8 | 15960.00 | 32.7 AV | 54.0 | -21.3 | 2.19 V | 157 | 20.9 | 11.8 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

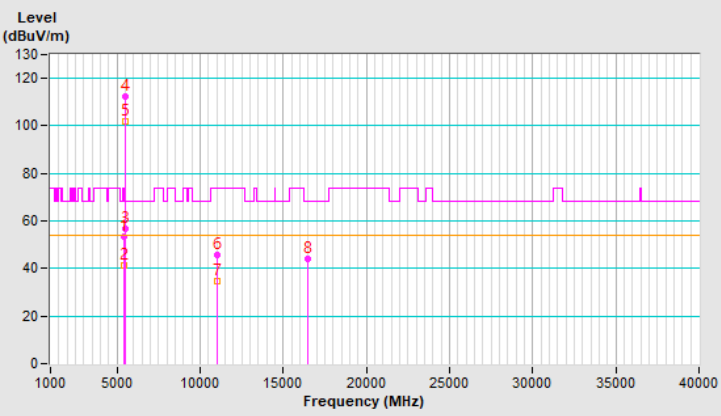


| | | | |
|---|---|---|---|
| **RF Mode** | TX 802.11a | **Channel** | CH 100：5500 MHz |
| **Frequency Range** | 1 GHz ~ 40 GHz | **Detector Function & Bandwidth** | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| **Input Power** | 120 Vac, 60 Hz | **Environmental Conditions** | 20 °C, 70 % RH |
| **Tested By** | Vic Huang | | |

| Antenna Polarity & Test Distance : Horizontal at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **No** | **Frequency (MHz)** | **Emission Level (dBuV/m)** | **Limit (dBuV/m)** | **Margin (dB)** | **Antenna Height (m)** | **Table Angle (Degree)** | **Raw Value (dBuV)** | **Correction Factor (dB/m)** |
| 1 | 5460.00 | 53.5 PK | 74.0 | -20.5 | 1.31 H | 294 | 52.7 | 0.8 |
| 2 | 5460.00 | 41.3 AV | 54.0 | -12.7 | 1.31 H | 294 | 40.5 | 0.8 |
| 3 | #5470.00 | 56.8 PK | 68.2 | -11.4 | 1.31 H | 294 | 56.0 | 0.8 |
| 4 | *5500.00 | 112.1 PK | | | 1.31 H | 294 | 111.3 | 0.8 |
| 5 | *5500.00 | 101.7 AV | | | 1.31 H | 294 | 100.9 | 0.8 |
| 6 | 11000.00 | 45.8 PK | 74.0 | -28.2 | 1.82 H | 252 | 34.7 | 11.1 |
| 7 | 11000.00 | 34.6 AV | 54.0 | -19.4 | 1.82 H | 252 | 23.5 | 11.1 |
| 8 | #16500.00 | 44.2 PK | 68.2 | -24.0 | 1.86 H | 306 | 30.4 | 13.8 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

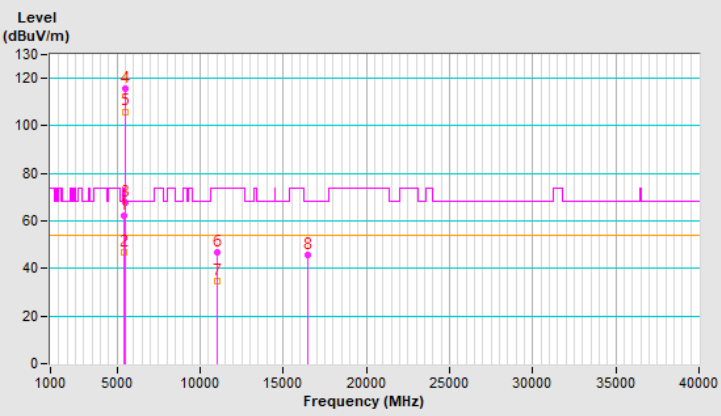


| RF Mode | TX 802.11a | Channel | CH 100：5500 MHz |
|---|---|---|---|
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 20 °C, 70 % RH |
| Tested By | Vic Huang | | |

| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | 5460.00 | 62.0 PK | 74.0 | -12.0 | 2.37 V | 81 | 61.2 | 0.8 |
| 2 | 5460.00 | 46.7 AV | 54.0 | -7.3 | 2.37 V | 81 | 45.9 | 0.8 |
| 3 | #5470.00 | 67.9 PK | 68.2 | -0.3 | 2.37 V | 81 | 67.1 | 0.8 |
| 4 | *5500.00 | 115.8 PK | | | 2.37 V | 81 | 115.0 | 0.8 |
| 5 | *5500.00 | 106.0 AV | | | 2.37 V | 81 | 105.2 | 0.8 |
| 6 | 11000.00 | 46.6 PK | 74.0 | -27.4 | 2.41 V | 325 | 35.5 | 11.1 |
| 7 | 11000.00 | 34.6 AV | 54.0 | -19.4 | 2.41 V | 325 | 23.5 | 11.1 |
| 8 | #16500.00 | 45.7 PK | 68.2 | -22.5 | 2.20 V | 169 | 31.9 | 13.8 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

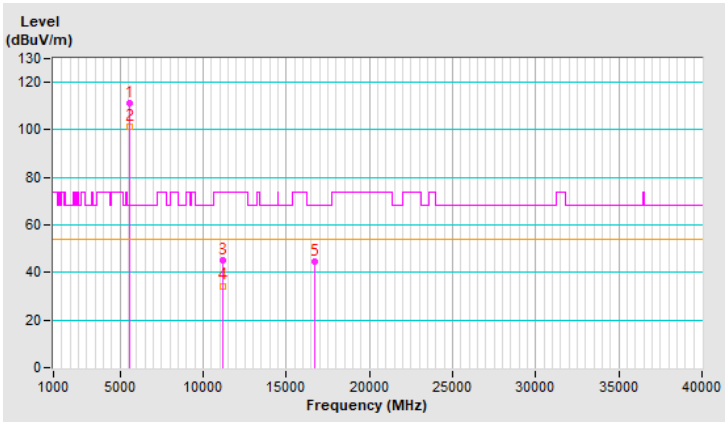


| RF Mode | TX 802.11a | Channel | CH 116：5580 MHz |
|---|---|---|---|
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 20 °C, 70 % RH |
| Tested By | Vic Huang | | |

| Antenna Polarity & Test Distance : Horizontal at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *5580.00 | 111.0 PK | | | 1.45 H | 354 | 110.2 | 0.8 |
| 2 | *5580.00 | 101.2 AV | | | 1.45 H | 354 | 100.4 | 0.8 |
| 3 | 11160.00 | 45.1 PK | 74.0 | -28.9 | 1.83 H | 240 | 34.2 | 10.9 |
| 4 | 11160.00 | 34.4 AV | 54.0 | -19.6 | 1.83 H | 240 | 23.5 | 10.9 |
| 5 | #16740.00 | 44.5 PK | 68.2 | -23.7 | 1.89 H | 304 | 29.4 | 15.1 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

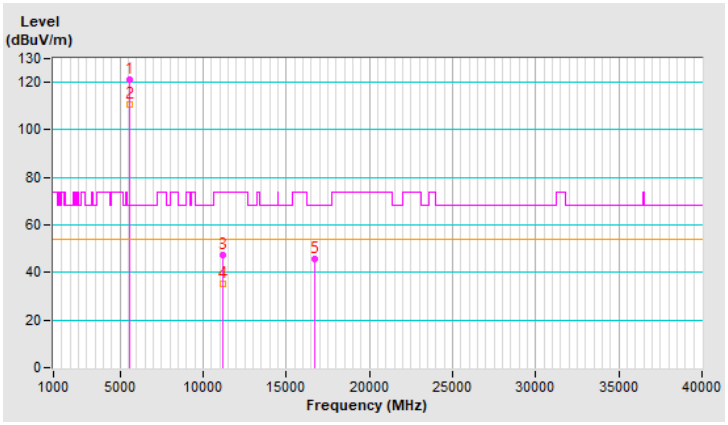


| RF Mode | TX 802.11a | Channel | CH 116：5580 MHz |
|---|---|---|---|
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 20 °C, 70 % RH |
| Tested By | Vic Huang | | |

| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *5580.00 | 121.3 PK | | | 2.50 V | 226 | 120.5 | 0.8 |
| 2 | *5580.00 | 110.9 AV | | | 2.50 V | 226 | 110.1 | 0.8 |
| 3 | 11160.00 | 47.2 PK | 74.0 | -26.8 | 2.47 V | 312 | 36.3 | 10.9 |
| 4 | 11160.00 | 35.3 AV | 54.0 | -18.7 | 2.47 V | 312 | 24.4 | 10.9 |
| 5 | #16740.00 | 45.5 PK | 68.2 | -22.7 | 2.18 V | 167 | 30.4 | 15.1 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

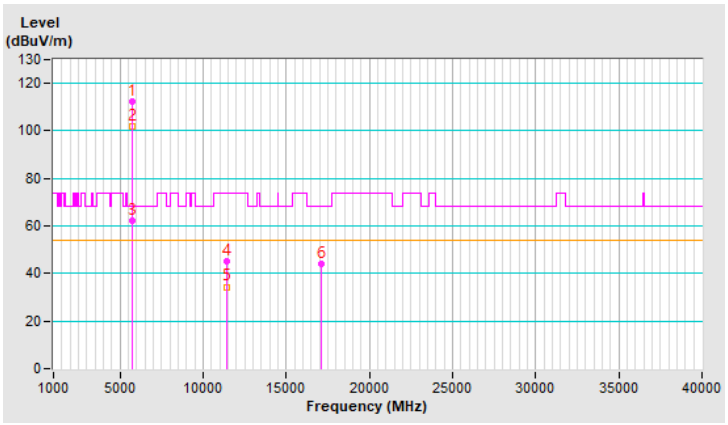


| RF Mode | TX 802.11a | Channel | CH 140：5700 MHz |
|---|---|---|---|
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 20 °C, 70 % RH |
| Tested By | Vic Huang | | |

| Antenna Polarity & Test Distance : Horizontal at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *5700.00 | 112.5 PK | | | 1.50 H | 339 | 111.3 | 1.2 |
| 2 | *5700.00 | 102.1 AV | | | 1.50 H | 339 | 100.9 | 1.2 |
| 3 | #5725.00 | 62.0 PK | 68.2 | -6.2 | 1.50 H | 339 | 60.7 | 1.3 |
| 4 | 11400.00 | 45.2 PK | 74.0 | -28.8 | 1.77 H | 254 | 33.5 | 11.7 |
| 5 | 11400.00 | 34.4 AV | 54.0 | -19.6 | 1.77 H | 254 | 22.7 | 11.7 |
| 6 | #17100.00 | 44.0 PK | 68.2 | -24.2 | 1.90 H | 306 | 27.7 | 16.3 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

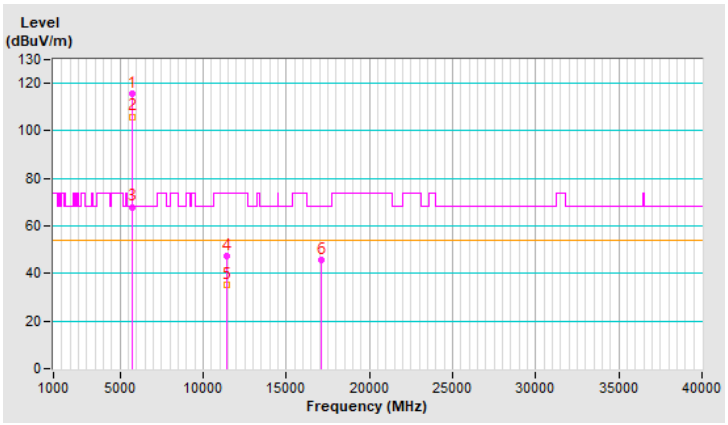


| RF Mode | TX 802.11a | Channel | CH 140：5700 MHz |
|---|---|---|---|
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 20 °C, 70 % RH |
| Tested By | Vic Huang | | |

| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *5700.00 | 115.8 PK | | | 2.40 V | 217 | 114.6 | 1.2 |
| 2 | *5700.00 | 106.0 AV | | | 2.40 V | 217 | 104.8 | 1.2 |
| 3 | #5725.00 | 68.0 PK | 68.2 | -0.2 | 2.40 V | 217 | 66.7 | 1.3 |
| 4 | 11400.00 | 47.5 PK | 74.0 | -26.5 | 2.50 V | 306 | 35.8 | 11.7 |
| 5 | 11400.00 | 35.1 AV | 54.0 | -18.9 | 2.50 V | 306 | 23.4 | 11.7 |
| 6 | #17100.00 | 45.7 PK | 68.2 | -22.5 | 2.20 V | 156 | 29.4 | 16.3 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

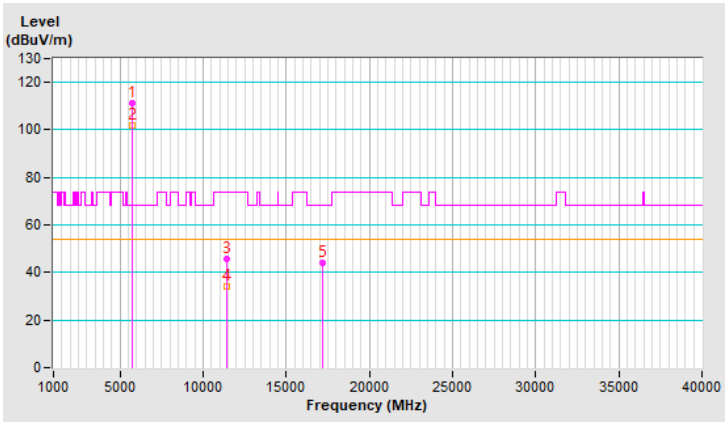


| RF Mode | TX 802.11a | Channel | CH 144：5720 MHz |
|---|---|---|---|
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 20 °C, 70 % RH |
| Tested By | Vic Huang | | |

| Antenna Polarity & Test Distance : Horizontal at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *5720.00 | 111.1 PK | | | 1.46 H | 360 | 109.8 | 1.3 |
| 2 | *5720.00 | 101.7 AV | | | 1.46 H | 360 | 100.4 | 1.3 |
| 3 | 11440.00 | 45.5 PK | 74.0 | -28.5 | 1.75 H | 245 | 33.8 | 11.7 |
| 4 | 11440.00 | 34.3 AV | 54.0 | -19.7 | 1.75 H | 245 | 22.6 | 11.7 |
| 5 | #17160.00 | 44.3 PK | 68.2 | -23.9 | 1.88 H | 295 | 28.2 | 16.1 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

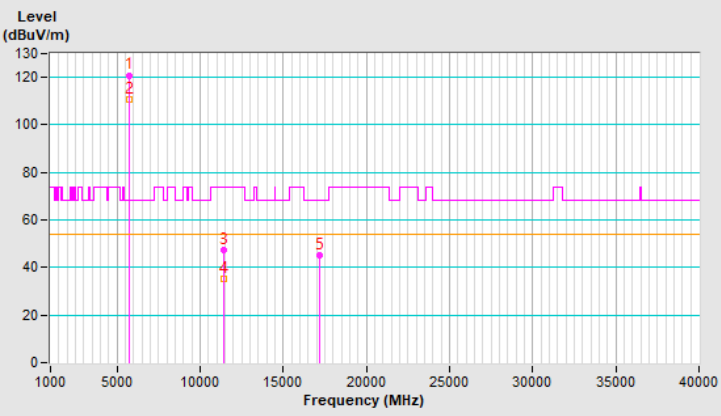


| RF Mode | TX 802.11a | Channel | CH 144：5720 MHz |
|---|---|---|---|
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 20 °C, 70 % RH |
| Tested By | Vic Huang | | |

| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *5720.00 | 120.9 PK | | | 2.46 V | 218 | 119.6 | 1.3 |
| 2 | *5720.00 | 110.5 AV | | | 2.46 V | 218 | 109.2 | 1.3 |
| 3 | 11440.00 | 47.6 PK | 74.0 | -26.4 | 2.43 V | 309 | 35.9 | 11.7 |
| 4 | 11440.00 | 35.3 AV | 54.0 | -18.7 | 2.43 V | 309 | 23.6 | 11.7 |
| 5 | #17160.00 | 45.1 PK | 68.2 | -23.1 | 2.24 V | 155 | 29.0 | 16.1 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

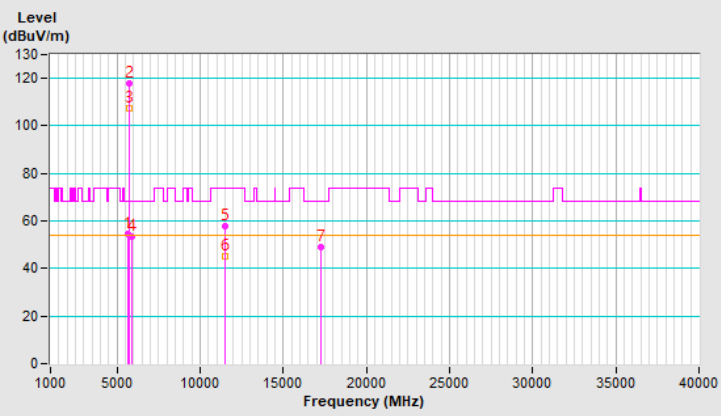


| RF Mode | TX 802.11a | Channel | CH 149：5745 MHz |
|---|---|---|---|
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 20 °C, 70 % RH |
| Tested By | Vic Huang | | |

| Antenna Polarity & Test Distance : Horizontal at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | #5648.30 | 54.3 PK | 68.2 | -13.9 | 1.38 H | 316 | 53.3 | 1.0 |
| 2 | *5745.00 | 117.9 PK | | | 1.38 H | 316 | 116.5 | 1.4 |
| 3 | *5745.00 | 107.4 AV | | | 1.38 H | 316 | 106.0 | 1.4 |
| 4 | #5928.12 | 53.6 PK | 68.2 | -14.6 | 1.38 H | 316 | 52.1 | 1.5 |
| 5 | 11490.00 | 57.6 PK | 74.0 | -16.4 | 1.04 H | 330 | 45.9 | 11.7 |
| 6 | 11490.00 | 44.9 AV | 54.0 | -9.1 | 1.04 H | 330 | 33.2 | 11.7 |
| 7 | #17235.00 | 49.1 PK | 68.2 | -19.1 | 1.96 H | 43 | 33.2 | 15.9 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

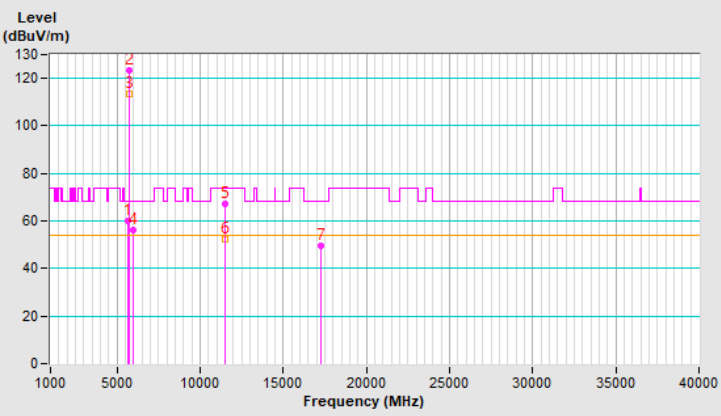


| RF Mode | TX 802.11a | Channel | CH 149：5745 MHz |
|---|---|---|---|
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 20 °C, 70 % RH |
| Tested By | Vic Huang | | |

| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | #5641.44 | 60.1 PK | 68.2 | -8.1 | 1.82 V | 311 | 59.1 | 1.0 |
| 2 | *5745.00 | 123.4 PK | | | 1.82 V | 311 | 122.0 | 1.4 |
| 3 | *5745.00 | 113.4 AV | | | 1.82 V | 311 | 112.0 | 1.4 |
| 4 | #5940.44 | 56.3 PK | 68.2 | -11.9 | 1.82 V | 311 | 54.6 | 1.7 |
| 5 | 11490.00 | 67.3 PK | 74.0 | -6.7 | 2.40 V | 14 | 55.6 | 11.7 |
| 6 | 11490.00 | 52.3 AV | 54.0 | -1.7 | 2.40 V | 14 | 40.6 | 11.7 |
| 7 | #17235.00 | 49.6 PK | 68.2 | -18.6 | 1.62 V | 196 | 33.7 | 15.9 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

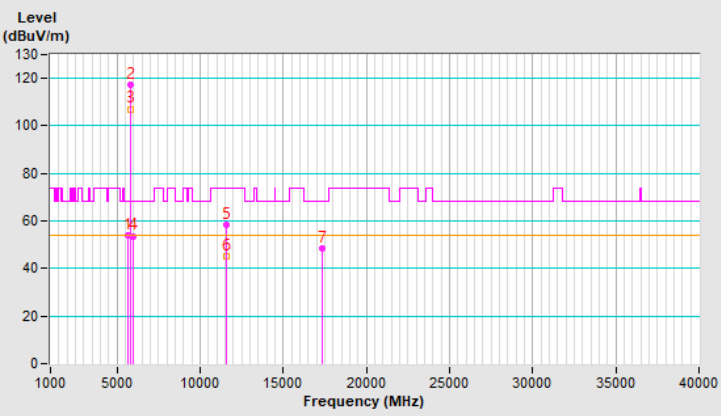


| RF Mode | TX 802.11a | Channel | CH 157：5785 MHz |
|---|---|---|---|
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 20 °C, 70 % RH |
| Tested By | Vic Huang | | |

| Antenna Polarity & Test Distance : Horizontal at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | #5646.54 | 53.8 PK | 68.2 | -14.4 | 1.40 H | 316 | 52.8 | 1.0 |
| 2 | *5785.00 | 117.5 PK | | | 1.40 H | 316 | 116.1 | 1.4 |
| 3 | *5785.00 | 107.1 AV | | | 1.40 H | 316 | 105.7 | 1.4 |
| 4 | #5940.66 | 53.7 PK | 68.2 | -14.5 | 1.40 H | 316 | 52.0 | 1.7 |
| 5 | 11570.00 | 58.2 PK | 74.0 | -15.8 | 1.05 H | 323 | 46.8 | 11.4 |
| 6 | 11570.00 | 45.3 AV | 54.0 | -8.7 | 1.05 H | 323 | 33.9 | 11.4 |
| 7 | #17355.00 | 48.6 PK | 68.2 | -19.6 | 1.99 H | 44 | 32.1 | 16.5 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

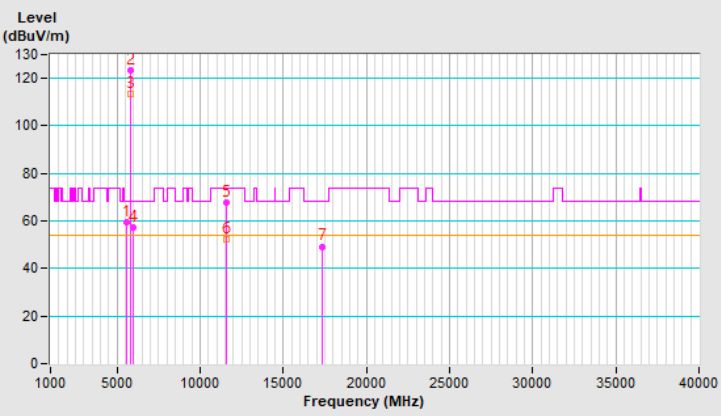


| RF Mode | TX 802.11a | Channel | CH 157：5785 MHz |
|---|---|---|---|
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 20 °C, 70 % RH |
| Tested By | Vic Huang | | |

| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | #5601.69 | 59.5 PK | 68.2 | -8.7 | 1.84 V | 308 | 58.5 | 1.0 |
| 2 | *5785.00 | 123.2 PK | | | 1.84 V | 308 | 121.8 | 1.4 |
| 3 | *5785.00 | 113.7 AV | | | 1.84 V | 308 | 112.3 | 1.4 |
| 4 | #5940.50 | 57.1 PK | 68.2 | -11.1 | 1.84 V | 308 | 55.4 | 1.7 |
| 5 | 11570.00 | 67.6 PK | 74.0 | -6.4 | 2.36 V | 29 | 56.2 | 11.4 |
| 6 | 11570.00 | 52.5 AV | 54.0 | -1.5 | 2.36 V | 29 | 41.1 | 11.4 |
| 7 | #17355.00 | 49.3 PK | 68.2 | -18.9 | 1.56 V | 189 | 32.8 | 16.5 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

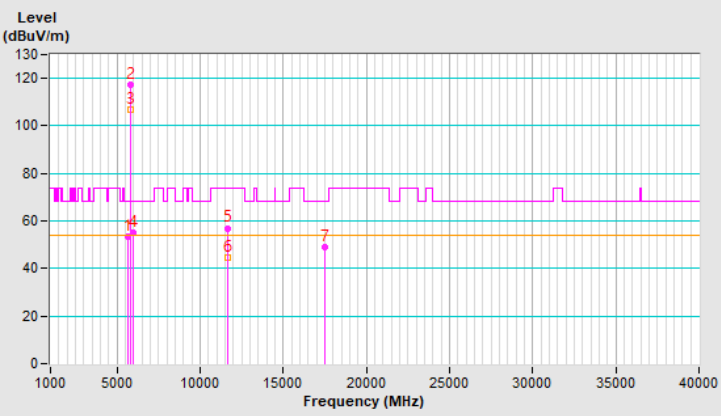


| RF Mode | TX 802.11a | Channel | CH 165：5825 MHz |
|---|---|---|---|
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 20 °C, 70 % RH |
| Tested By | Vic Huang | | |

| Antenna Polarity & Test Distance : Horizontal at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | #5622.43 | 53.5 PK | 68.2 | -14.7 | 1.41 H | 316 | 52.4 | 1.1 |
| 2 | *5825.00 | 117.3 PK | | | 1.41 H | 316 | 115.9 | 1.4 |
| 3 | *5825.00 | 106.9 AV | | | 1.41 H | 316 | 105.5 | 1.4 |
| 4 | #5953.85 | 54.9 PK | 68.2 | -13.3 | 1.41 H | 316 | 53.2 | 1.7 |
| 5 | 11650.00 | 57.0 PK | 74.0 | -17.0 | 1.05 H | 332 | 45.7 | 11.3 |
| 6 | 11650.00 | 44.5 AV | 54.0 | -9.5 | 1.05 H | 332 | 33.2 | 11.3 |
| 7 | #17475.00 | 49.1 PK | 68.2 | -19.1 | 1.96 H | 43 | 31.5 | 17.6 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

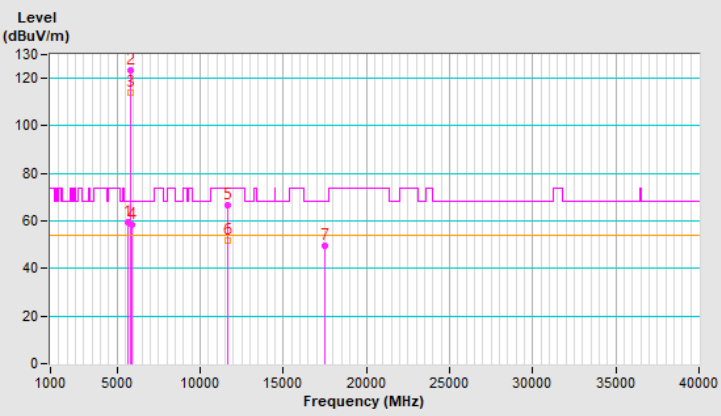


| RF Mode | TX 802.11a | Channel | CH 165：5825 MHz |
|---|---|---|---|
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 20 °C, 70 % RH |
| Tested By | Vic Huang | | |

| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | #5645.97 | 59.3 PK | 68.2 | -8.9 | 1.82 V | 337 | 58.3 | 1.0 |
| 2 | *5825.00 | 123.6 PK | | | 1.82 V | 337 | 122.2 | 1.4 |
| 3 | *5825.00 | 113.8 AV | | | 1.82 V | 337 | 112.4 | 1.4 |
| 4 | #5931.64 | 58.3 PK | 68.2 | -9.9 | 1.82 V | 337 | 56.8 | 1.5 |
| 5 | 11650.00 | 66.8 PK | 74.0 | -7.2 | 2.37 V | 27 | 55.5 | 11.3 |
| 6 | 11650.00 | 52.0 AV | 54.0 | -2.0 | 2.37 V | 27 | 40.7 | 11.3 |
| 7 | #17475.00 | 49.8 PK | 68.2 | -18.4 | 1.65 V | 204 | 32.2 | 17.6 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

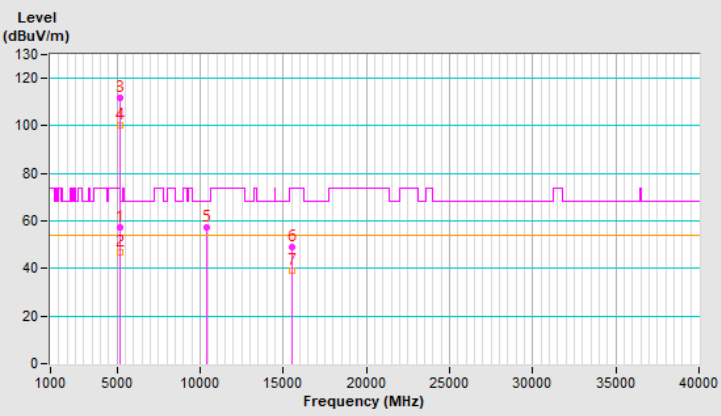


| RF Mode | TX 802.11ax (HE20) | Channel | CH 36：5180 MHz |
|---|---|---|---|
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 20 °C, 70 % RH |
| Tested By | Vic Huang | | |

| Antenna Polarity & Test Distance : Horizontal at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | 5150.00 | 57.3 PK | 74.0 | -16.7 | 1.13 H | 355 | 56.3 | 1.0 |
| 2 | 5150.00 | 46.7 AV | 54.0 | -7.3 | 1.13 H | 355 | 45.7 | 1.0 |
| 3 | *5180.00 | 111.7 PK | | | 1.13 H | 355 | 111.0 | 0.7 |
| 4 | *5180.00 | 100.3 AV | | | 1.13 H | 355 | 99.6 | 0.7 |
| 5 | #10360.00 | 57.5 PK | 68.2 | -10.7 | 1.04 H | 337 | 47.0 | 10.5 |
| 6 | 15540.00 | 49.2 PK | 74.0 | -24.8 | 1.96 H | 57 | 37.7 | 11.5 |
| 7 | 15540.00 | 38.9 AV | 54.0 | -15.1 | 1.96 H | 57 | 27.4 | 11.5 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

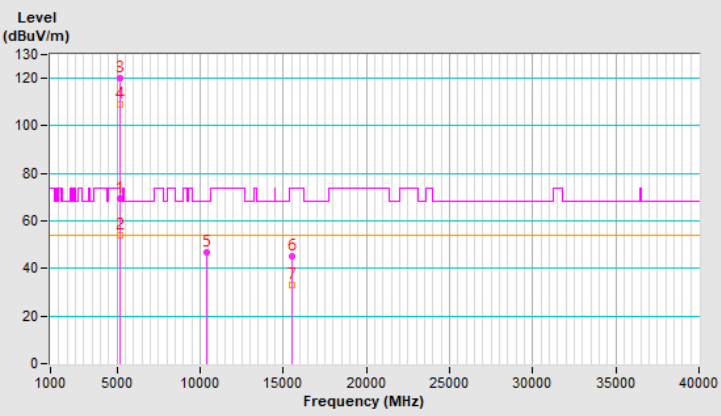


| | | | |
|---|---|---|---|
| **RF Mode** | TX 802.11ax (HE20) | **Channel** | CH 36：5180 MHz |
| **Frequency Range** | 1 GHz ~ 40 GHz | **Detector Function & Bandwidth** | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| **Input Power** | 120 Vac, 60 Hz | **Environmental Conditions** | 20 °C, 70 % RH |
| **Tested By** | Vic Huang | | |

| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **No** | **Frequency (MHz)** | **Emission Level (dBuV/m)** | **Limit (dBuV/m)** | **Margin (dB)** | **Antenna Height (m)** | **Table Angle (Degree)** | **Raw Value (dBuV)** | **Correction Factor (dB/m)** |
| 1 | 5147.00 | 69.5 PK | 74.0 | -4.5 | 2.69 V | 184 | 68.5 | 1.0 |
| 2 | 5147.00 | 53.8 AV | 54.0 | -0.2 | 2.69 V | 184 | 52.8 | 1.0 |
| 3 | *5180.00 | 120.2 PK | | | 2.69 V | 184 | 119.5 | 0.7 |
| 4 | *5180.00 | 108.9 AV | | | 2.69 V | 184 | 108.2 | 0.7 |
| 5 | #10360.00 | 46.8 PK | 68.2 | -21.4 | 2.51 V | 334 | 36.3 | 10.5 |
| 6 | 15540.00 | 45.3 PK | 74.0 | -28.7 | 2.29 V | 173 | 33.8 | 11.5 |
| 7 | 15540.00 | 33.2 AV | 54.0 | -20.8 | 2.29 V | 173 | 21.7 | 11.5 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

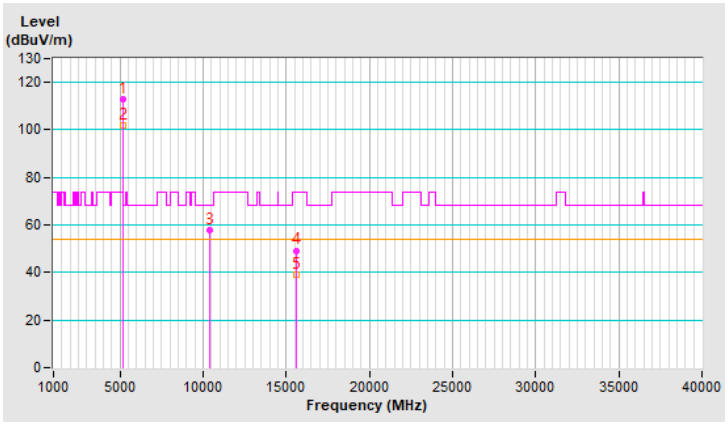


| | | | |
|---|---|---|---|
| **RF Mode** | TX 802.11ax (HE20) | **Channel** | CH 40：5200 MHz |
| **Frequency Range** | 1 GHz ~ 40 GHz | **Detector Function & Bandwidth** | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| **Input Power** | 120 Vac, 60 Hz | **Environmental Conditions** | 20 °C, 70 % RH |
| **Tested By** | Vic Huang | | |

| Antenna Polarity & Test Distance : Horizontal at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **No** | **Frequency (MHz)** | **Emission Level (dBuV/m)** | **Limit (dBuV/m)** | **Margin (dB)** | **Antenna Height (m)** | **Table Angle (Degree)** | **Raw Value (dBuV)** | **Correction Factor (dB/m)** |
| 1 | *5200.00 | 113.1 PK | | | 1.10 H | 347 | 112.5 | 0.6 |
| 2 | *5200.00 | 101.7 AV | | | 1.10 H | 347 | 101.1 | 0.6 |
| 3 | #10400.00 | 57.8 PK | 68.2 | -10.4 | 1.06 H | 341 | 47.1 | 10.7 |
| 4 | 15600.00 | 49.3 PK | 74.0 | -24.7 | 1.98 H | 67 | 37.6 | 11.7 |
| 5 | 15600.00 | 39.2 AV | 54.0 | -14.8 | 1.98 H | 67 | 27.5 | 11.7 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

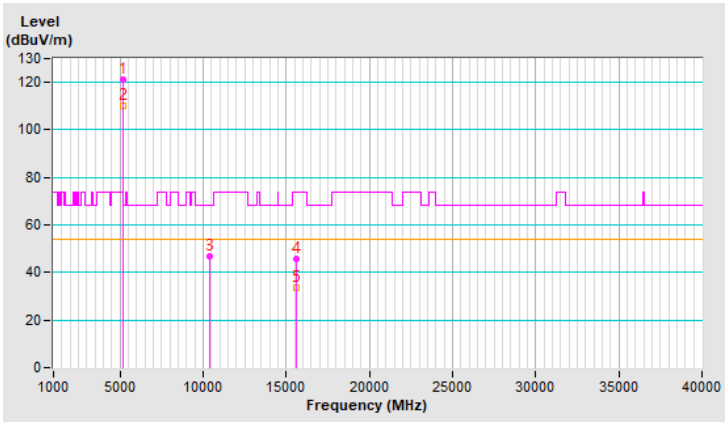


| RF Mode | TX 802.11ax (HE20) | Channel | CH 40：5200 MHz |
|---|---|---|---|
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 20 °C, 70 % RH |
| Tested By | Vic Huang | | |

| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *5200.00 | 121.4 PK | | | 2.70 V | 190 | 120.8 | 0.6 |
| 2 | *5200.00 | 109.9 AV | | | 2.70 V | 190 | 109.3 | 0.6 |
| 3 | #10400.00 | 47.0 PK | 68.2 | -21.2 | 2.56 V | 327 | 36.3 | 10.7 |
| 4 | 15600.00 | 45.7 PK | 74.0 | -28.3 | 2.34 V | 174 | 34.0 | 11.7 |
| 5 | 15600.00 | 33.7 AV | 54.0 | -20.3 | 2.34 V | 174 | 22.0 | 11.7 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

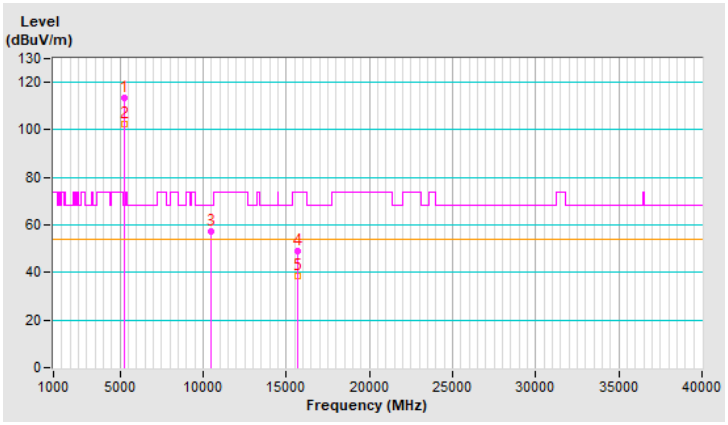


| | | | |
|---|---|---|---|
| **RF Mode** | TX 802.11ax (HE20) | **Channel** | CH 48：5240 MHz |
| **Frequency Range** | 1 GHz ~ 40 GHz | **Detector Function & Bandwidth** | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| **Input Power** | 120 Vac, 60 Hz | **Environmental Conditions** | 20 °C, 70 % RH |
| **Tested By** | Vic Huang | | |

| Antenna Polarity & Test Distance : Horizontal at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **No** | **Frequency (MHz)** | **Emission Level (dBuV/m)** | **Limit (dBuV/m)** | **Margin (dB)** | **Antenna Height (m)** | **Table Angle (Degree)** | **Raw Value (dBuV)** | **Correction Factor (dB/m)** |
| 1 | *5240.00 | 113.4 PK | | | 1.16 H | 334 | 113.0 | 0.4 |
| 2 | *5240.00 | 102.2 AV | | | 1.16 H | 334 | 101.8 | 0.4 |
| 3 | #10480.00 | 57.4 PK | 68.2 | -10.8 | 1.00 H | 335 | 46.9 | 10.5 |
| 4 | 15720.00 | 49.2 PK | 74.0 | -24.8 | 1.92 H | 50 | 37.7 | 11.5 |
| 5 | 15720.00 | 38.7 AV | 54.0 | -15.3 | 1.92 H | 50 | 27.2 | 11.5 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

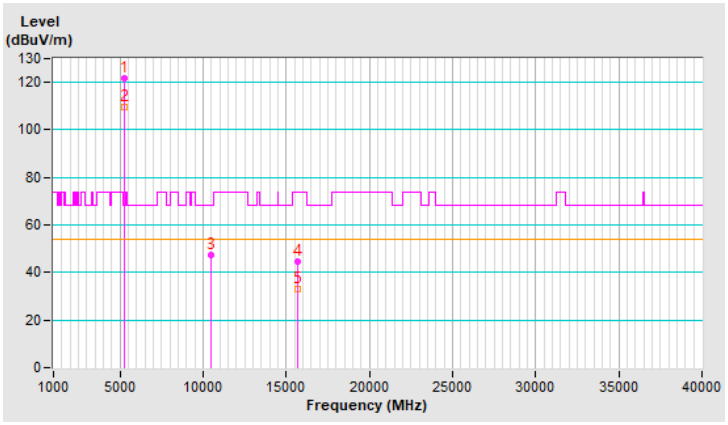


| RF Mode | TX 802.11ax (HE20) | Channel | CH 48：5240 MHz |
|---|---|---|---|
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 20 °C, 70 % RH |
| Tested By | Vic Huang | | |

| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *5240.00 | 121.5 PK | | | 2.68 V | 200 | 121.1 | 0.4 |
| 2 | *5240.00 | 109.7 AV | | | 2.68 V | 200 | 109.3 | 0.4 |
| 3 | #10480.00 | 47.2 PK | 68.2 | -21.0 | 2.54 V | 341 | 36.7 | 10.5 |
| 4 | 15720.00 | 44.7 PK | 74.0 | -29.3 | 2.24 V | 167 | 33.2 | 11.5 |
| 5 | 15720.00 | 32.9 AV | 54.0 | -21.1 | 2.24 V | 167 | 21.4 | 11.5 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

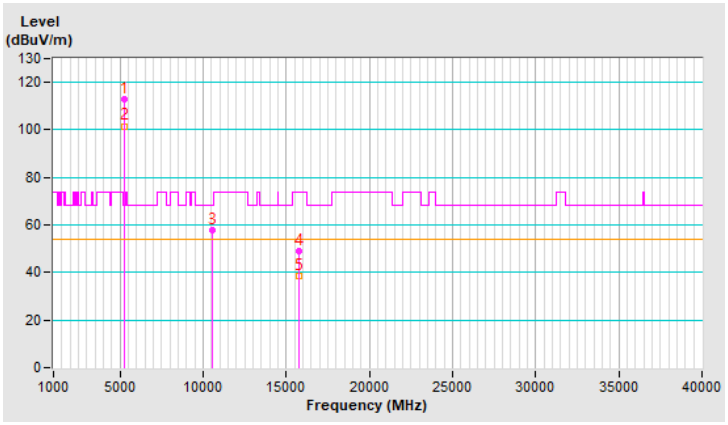


| | | | |
|---|---|---|---|
| **RF Mode** | TX 802.11ax (HE20) | **Channel** | CH 52：5260 MHz |
| **Frequency Range** | 1 GHz ~ 40 GHz | **Detector Function & Bandwidth** | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| **Input Power** | 120 Vac, 60 Hz | **Environmental Conditions** | 20 °C, 70 % RH |
| **Tested By** | Vic Huang | | |

| Antenna Polarity & Test Distance : Horizontal at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **No** | **Frequency (MHz)** | **Emission Level (dBuV/m)** | **Limit (dBuV/m)** | **Margin (dB)** | **Antenna Height (m)** | **Table Angle (Degree)** | **Raw Value (dBuV)** | **Correction Factor (dB/m)** |
| 1 | *5260.00 | 113.1 PK | | | 1.12 H | 351 | 112.8 | 0.3 |
| 2 | *5260.00 | 101.6 AV | | | 1.12 H | 351 | 101.3 | 0.3 |
| 3 | #10520.00 | 57.8 PK | 68.2 | -10.4 | 1.08 H | 336 | 47.4 | 10.4 |
| 4 | 15780.00 | 49.1 PK | 74.0 | -24.9 | 1.93 H | 68 | 37.7 | 11.4 |
| 5 | 15780.00 | 38.7 AV | 54.0 | -15.3 | 1.93 H | 68 | 27.3 | 11.4 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

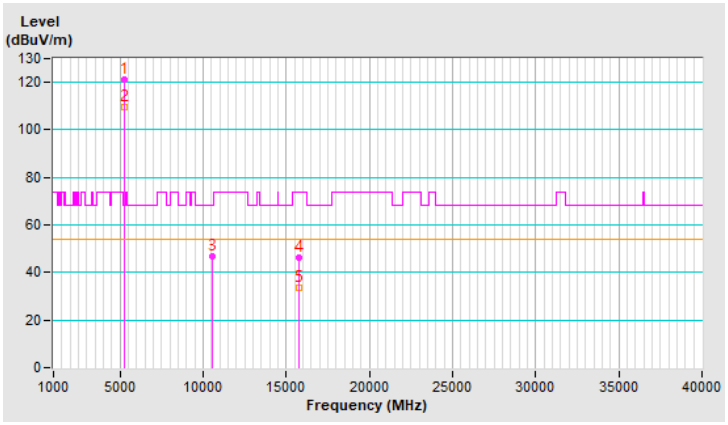


| | | | |
|---|---|---|---|
| **RF Mode** | TX 802.11ax (HE20) | **Channel** | CH 52：5260 MHz |
| **Frequency Range** | 1 GHz ~ 40 GHz | **Detector Function & Bandwidth** | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| **Input Power** | 120 Vac, 60 Hz | **Environmental Conditions** | 20 °C, 70 % RH |
| **Tested By** | Vic Huang | | |

| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **No** | **Frequency (MHz)** | **Emission Level (dBuV/m)** | **Limit (dBuV/m)** | **Margin (dB)** | **Antenna Height (m)** | **Table Angle (Degree)** | **Raw Value (dBuV)** | **Correction Factor (dB/m)** |
| 1 | *5260.00 | 121.1 PK | | | 2.66 V | 175 | 120.8 | 0.3 |
| 2 | *5260.00 | 109.7 AV | | | 2.66 V | 175 | 109.4 | 0.3 |
| 3 | #10520.00 | 46.6 PK | 68.2 | -21.6 | 2.53 V | 327 | 36.2 | 10.4 |
| 4 | 15780.00 | 46.0 PK | 74.0 | -28.0 | 2.28 V | 169 | 34.6 | 11.4 |
| 5 | 15780.00 | 33.7 AV | 54.0 | -20.3 | 2.28 V | 169 | 22.3 | 11.4 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

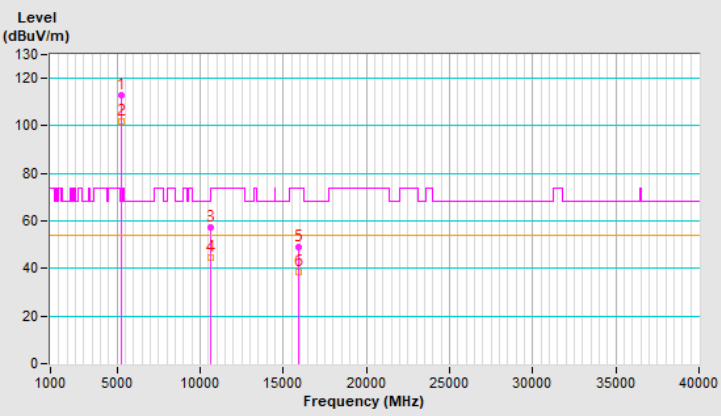


| RF Mode | TX 802.11ax (HE20) | Channel | CH 60：5300 MHz |
|---|---|---|---|
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 20 °C, 70 % RH |
| Tested By | Vic Huang | | |

| Antenna Polarity & Test Distance : Horizontal at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *5300.00 | 113.1 PK | | | 1.10 H | 338 | 112.8 | 0.3 |
| 2 | *5300.00 | 101.8 AV | | | 1.10 H | 338 | 101.5 | 0.3 |
| 3 | 10600.00 | 57.3 PK | 74.0 | -16.7 | 1.02 H | 350 | 47.4 | 9.9 |
| 4 | 10600.00 | 44.8 AV | 54.0 | -9.2 | 1.02 H | 350 | 34.9 | 9.9 |
| 5 | 15900.00 | 48.8 PK | 74.0 | -25.2 | 1.96 H | 53 | 37.2 | 11.6 |
| 6 | 15900.00 | 38.7 AV | 54.0 | -15.3 | 1.96 H | 53 | 27.1 | 11.6 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

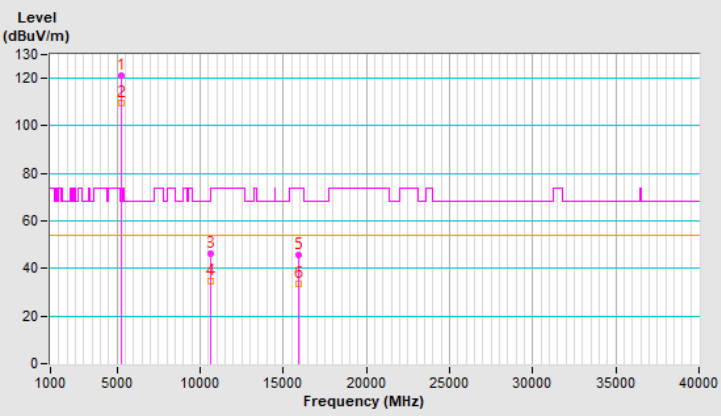


| | | | |
|---|---|---|---|
| **RF Mode** | TX 802.11ax (HE20) | **Channel** | CH 60：5300 MHz |
| **Frequency Range** | 1 GHz ~ 40 GHz | **Detector Function & Bandwidth** | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| **Input Power** | 120 Vac, 60 Hz | **Environmental Conditions** | 20 °C, 70 % RH |
| **Tested By** | Vic Huang | | |

| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **No** | **Frequency (MHz)** | **Emission Level (dBuV/m)** | **Limit (dBuV/m)** | **Margin (dB)** | **Antenna Height (m)** | **Table Angle (Degree)** | **Raw Value (dBuV)** | **Correction Factor (dB/m)** |
| 1 | *5300.00 | 121.2 PK | | | 2.67 V | 179 | 120.9 | 0.3 |
| 2 | *5300.00 | 109.7 AV | | | 2.67 V | 179 | 109.4 | 0.3 |
| 3 | 10600.00 | 46.5 PK | 74.0 | -27.5 | 2.47 V | 330 | 36.6 | 9.9 |
| 4 | 10600.00 | 34.5 AV | 54.0 | -19.5 | 2.47 V | 330 | 24.6 | 9.9 |
| 5 | 15900.00 | 45.6 PK | 74.0 | -28.4 | 2.26 V | 180 | 34.0 | 11.6 |
| 6 | 15900.00 | 33.4 AV | 54.0 | -20.6 | 2.26 V | 180 | 21.8 | 11.6 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

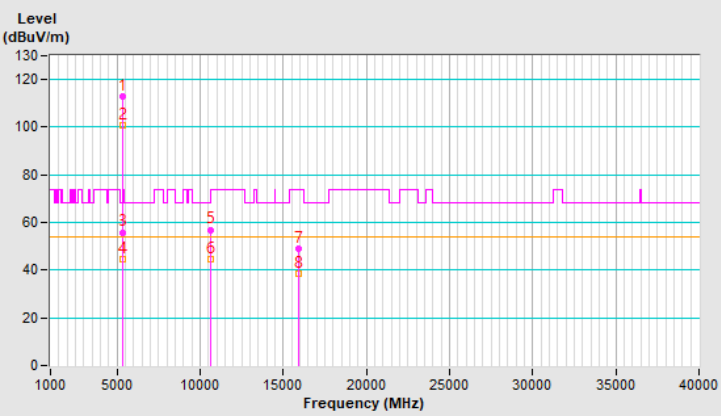


| | | | |
|---|---|---|---|
| **RF Mode** | TX 802.11ax (HE20) | **Channel** | CH 64：5320 MHz |
| **Frequency Range** | 1 GHz ~ 40 GHz | **Detector Function & Bandwidth** | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| **Input Power** | 120 Vac, 60 Hz | **Environmental Conditions** | 20 °C, 70 % RH |
| **Tested By** | Vic Huang | | |

| Antenna Polarity & Test Distance : Horizontal at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **No** | **Frequency (MHz)** | **Emission Level (dBuV/m)** | **Limit (dBuV/m)** | **Margin (dB)** | **Antenna Height (m)** | **Table Angle (Degree)** | **Raw Value (dBuV)** | **Correction Factor (dB/m)** |
| 1 | *5320.00 | 112.9 PK | | | 1.36 H | 292 | 112.5 | 0.4 |
| 2 | *5320.00 | 100.6 AV | | | 1.36 H | 292 | 100.2 | 0.4 |
| 3 | 5351.86 | 55.9 PK | 74.0 | -18.1 | 1.36 H | 292 | 55.3 | 0.6 |
| 4 | 5351.86 | 44.5 AV | 54.0 | -9.5 | 1.36 H | 292 | 43.9 | 0.6 |
| 5 | 10640.00 | 57.0 PK | 74.0 | -17.0 | 1.07 H | 325 | 46.9 | 10.1 |
| 6 | 10640.00 | 44.4 AV | 54.0 | -9.6 | 1.07 H | 325 | 34.3 | 10.1 |
| 7 | 15960.00 | 49.1 PK | 74.0 | -24.9 | 2.02 H | 60 | 37.3 | 11.8 |
| 8 | 15960.00 | 38.6 AV | 54.0 | -15.4 | 2.02 H | 60 | 26.8 | 11.8 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

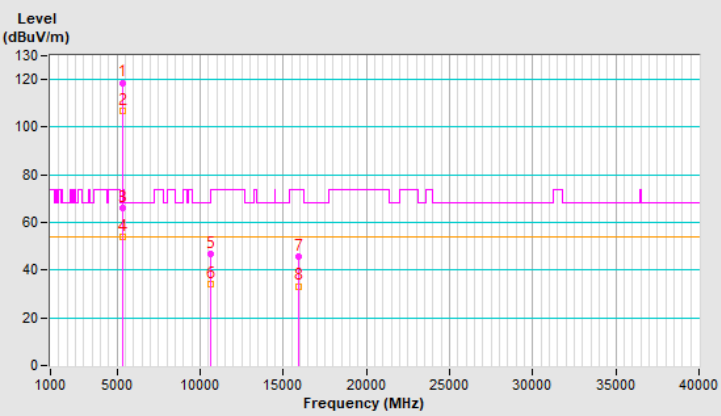


| | | | |
|---|---|---|---|
| **RF Mode** | TX 802.11ax (HE20) | **Channel** | CH 64：5320 MHz |
| **Frequency Range** | 1 GHz ~ 40 GHz | **Detector Function & Bandwidth** | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| **Input Power** | 120 Vac, 60 Hz | **Environmental Conditions** | 20 °C, 70 % RH |
| **Tested By** | Vic Huang | | |

| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **No** | **Frequency (MHz)** | **Emission Level (dBuV/m)** | **Limit (dBuV/m)** | **Margin (dB)** | **Antenna Height (m)** | **Table Angle (Degree)** | **Raw Value (dBuV)** | **Correction Factor (dB/m)** |
| 1 | *5320.00 | 118.7 PK | | | 1.90 V | 335 | 118.3 | 0.4 |
| 2 | *5320.00 | 106.7 AV | | | 1.90 V | 335 | 106.3 | 0.4 |
| 3 | 5351.86 | 66.1 PK | 74.0 | -7.9 | 1.90 V | 335 | 65.5 | 0.6 |
| 4 | 5351.86 | 53.8 AV | 54.0 | -0.2 | 1.90 V | 335 | 53.2 | 0.6 |
| 5 | 10640.00 | 46.8 PK | 74.0 | -27.2 | 2.53 V | 323 | 36.7 | 10.1 |
| 6 | 10640.00 | 34.3 AV | 54.0 | -19.7 | 2.53 V | 323 | 24.2 | 10.1 |
| 7 | 15960.00 | 45.5 PK | 74.0 | -28.5 | 2.28 V | 177 | 33.7 | 11.8 |
| 8 | 15960.00 | 33.3 AV | 54.0 | -20.7 | 2.28 V | 177 | 21.5 | 11.8 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.

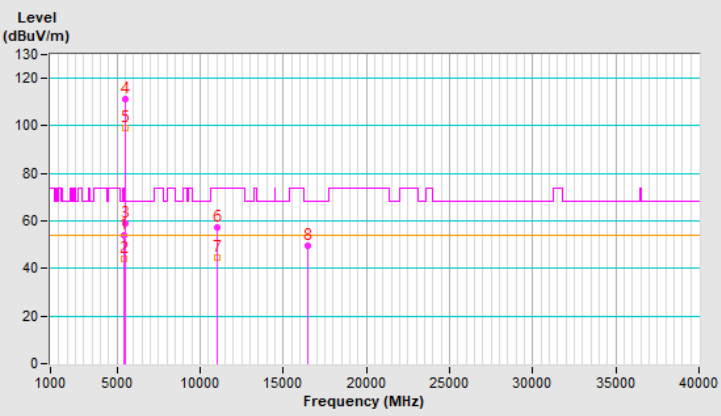


| RF Mode | TX 802.11ax (HE20) | Channel | CH 100：5500 MHz |
|---|---|---|---|
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 20 °C, 70 % RH |
| Tested By | Vic Huang | | |

| Antenna Polarity & Test Distance : Horizontal at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | 5460.00 | 53.8 PK | 74.0 | -20.2 | 1.22 H | 298 | 53.0 | 0.8 |
| 2 | 5460.00 | 44.1 AV | 54.0 | -9.9 | 1.22 H | 298 | 43.3 | 0.8 |
| 3 | #5470.00 | 59.0 PK | 68.2 | -9.2 | 1.22 H | 298 | 58.2 | 0.8 |
| 4 | *5500.00 | 111.2 PK | | | 1.22 H | 298 | 110.4 | 0.8 |
| 5 | *5500.00 | 99.1 AV | | | 1.22 H | 298 | 98.3 | 0.8 |
| 6 | 11000.00 | 57.5 PK | 74.0 | -16.5 | 1.00 H | 325 | 46.4 | 11.1 |
| 7 | 11000.00 | 44.7 AV | 54.0 | -9.3 | 1.00 H | 325 | 33.6 | 11.1 |
| 8 | #16500.00 | 49.5 PK | 68.2 | -18.7 | 1.99 H | 50 | 35.7 | 13.8 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

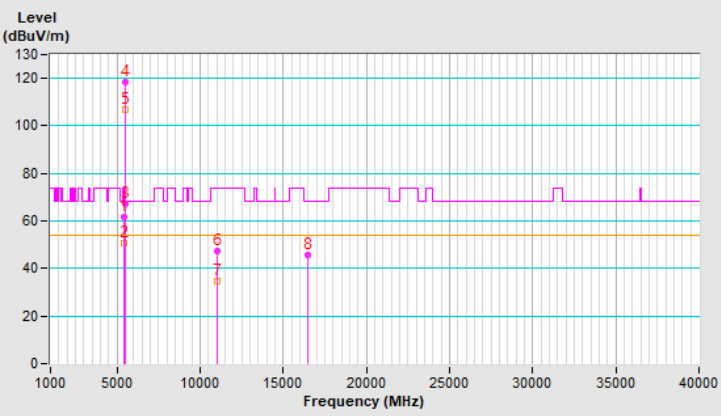


| | | | |
|---|---|---|---|
| **RF Mode** | TX 802.11ax (HE20) | **Channel** | CH 100：5500 MHz |
| **Frequency Range** | 1 GHz ~ 40 GHz | **Detector Function & Bandwidth** | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| **Input Power** | 120 Vac, 60 Hz | **Environmental Conditions** | 20 °C, 70 % RH |
| **Tested By** | Vic Huang | | |

| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **No** | **Frequency (MHz)** | **Emission Level (dBuV/m)** | **Limit (dBuV/m)** | **Margin (dB)** | **Antenna Height (m)** | **Table Angle (Degree)** | **Raw Value (dBuV)** | **Correction Factor (dB/m)** |
| 1 | 5460.00 | 61.9 PK | 74.0 | -12.1 | 3.18 V | 346 | 61.1 | 0.8 |
| 2 | 5460.00 | 50.9 AV | 54.0 | -3.1 | 3.18 V | 346 | 50.1 | 0.8 |
| 3 | #5470.00 | 67.4 PK | 68.2 | -0.8 | 3.18 V | 346 | 66.6 | 0.8 |
| 4 | *5500.00 | 118.6 PK | | | 3.18 V | 346 | 117.8 | 0.8 |
| 5 | *5500.00 | 106.7 AV | | | 3.18 V | 346 | 105.9 | 0.8 |
| 6 | 11000.00 | 47.1 PK | 74.0 | -26.9 | 2.56 V | 341 | 36.0 | 11.1 |
| 7 | 11000.00 | 34.6 AV | 54.0 | -19.4 | 2.56 V | 341 | 23.5 | 11.1 |
| 8 | #16500.00 | 45.7 PK | 68.2 | -22.5 | 2.34 V | 171 | 31.9 | 13.8 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

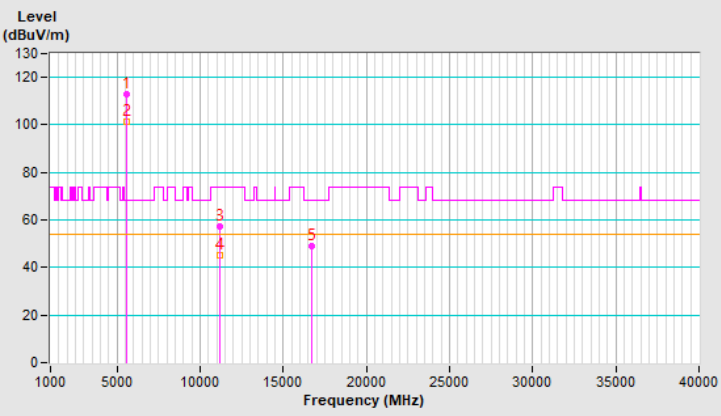


| | | | |
|---|---|---|---|
| **RF Mode** | TX 802.11ax (HE20) | **Channel** | CH 116：5580 MHz |
| **Frequency Range** | 1 GHz ~ 40 GHz | **Detector Function & Bandwidth** | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| **Input Power** | 120 Vac, 60 Hz | **Environmental Conditions** | 20 °C, 70 % RH |
| **Tested By** | Vic Huang | | |

| Antenna Polarity & Test Distance : Horizontal at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **No** | **Frequency (MHz)** | **Emission Level (dBuV/m)** | **Limit (dBuV/m)** | **Margin (dB)** | **Antenna Height (m)** | **Table Angle (Degree)** | **Raw Value (dBuV)** | **Correction Factor (dB/m)** |
| 1 | *5580.00 | 112.8 PK | | | 1.13 H | 337 | 112.0 | 0.8 |
| 2 | *5580.00 | 101.2 AV | | | 1.13 H | 337 | 100.4 | 0.8 |
| 3 | 11160.00 | 57.3 PK | 74.0 | -16.7 | 1.10 H | 337 | 46.4 | 10.9 |
| 4 | 11160.00 | 44.9 AV | 54.0 | -9.1 | 1.10 H | 337 | 34.0 | 10.9 |
| 5 | #16740.00 | 49.1 PK | 68.2 | -19.1 | 1.97 H | 64 | 34.0 | 15.1 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

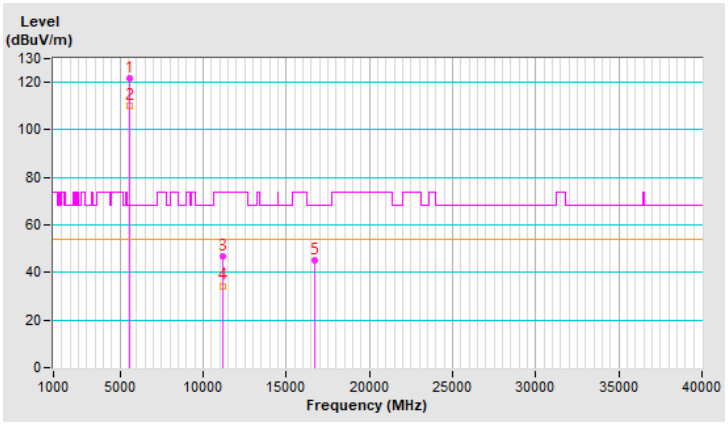


| RF Mode | TX 802.11ax (HE20) | Channel | CH 116：5580 MHz |
|---|---|---|---|
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 20 °C, 70 % RH |
| Tested By | Vic Huang | | |

| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *5580.00 | 121.6 PK | | | 2.67 V | 206 | 120.8 | 0.8 |
| 2 | *5580.00 | 109.9 AV | | | 2.67 V | 206 | 109.1 | 0.8 |
| 3 | 11160.00 | 46.9 PK | 74.0 | -27.1 | 2.45 V | 329 | 36.0 | 10.9 |
| 4 | 11160.00 | 34.4 AV | 54.0 | -19.6 | 2.45 V | 329 | 23.5 | 10.9 |
| 5 | #16740.00 | 45.2 PK | 68.2 | -23.0 | 2.25 V | 160 | 30.1 | 15.1 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

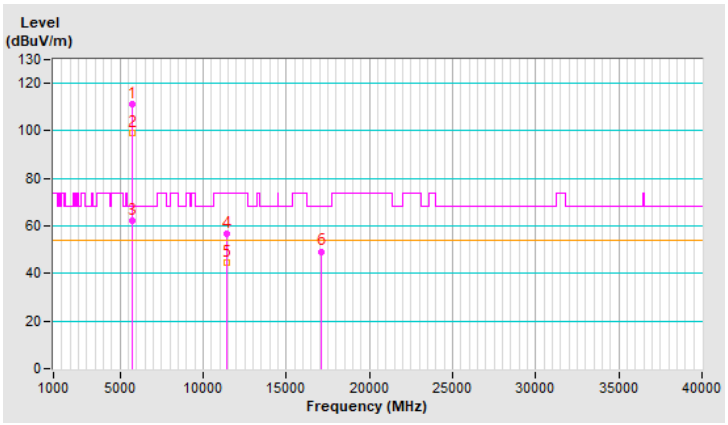


| RF Mode | TX 802.11ax (HE20) | Channel | CH 140：5700 MHz |
|---|---|---|---|
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 20 °C, 70 % RH |
| Tested By | Vic Huang | | |

| Antenna Polarity & Test Distance : Horizontal at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *5700.00 | 111.1 PK | | | 1.21 H | 313 | 109.9 | 1.2 |
| 2 | *5700.00 | 99.3 AV | | | 1.21 H | 313 | 98.1 | 1.2 |
| 3 | #5725.00 | 62.1 PK | 68.2 | -6.1 | 1.38 H | 307 | 60.8 | 1.3 |
| 4 | 11400.00 | 56.9 PK | 74.0 | -17.1 | 1.08 H | 337 | 45.2 | 11.7 |
| 5 | 11400.00 | 44.5 AV | 54.0 | -9.5 | 1.08 H | 337 | 32.8 | 11.7 |
| 6 | #17100.00 | 49.3 PK | 68.2 | -18.9 | 1.91 H | 67 | 33.0 | 16.3 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

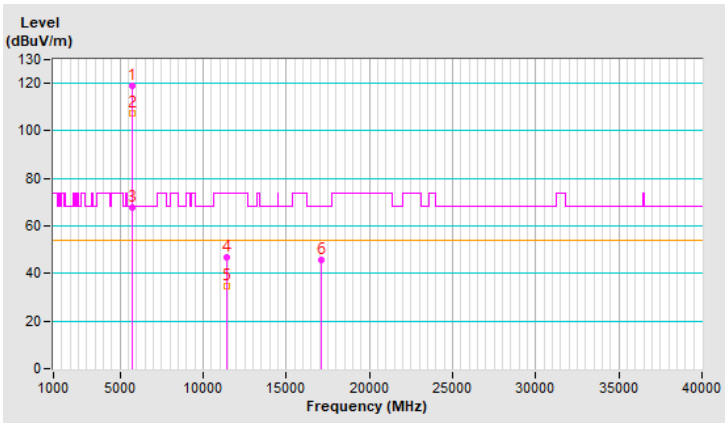


| | | | |
|---|---|---|---|
| **RF Mode** | TX 802.11ax (HE20) | **Channel** | CH 140：5700 MHz |
| **Frequency Range** | 1 GHz ~ 40 GHz | **Detector Function & Bandwidth** | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| **Input Power** | 120 Vac, 60 Hz | **Environmental Conditions** | 20 °C, 70 % RH |
| **Tested By** | Vic Huang | | |

| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **No** | **Frequency (MHz)** | **Emission Level (dBuV/m)** | **Limit (dBuV/m)** | **Margin (dB)** | **Antenna Height (m)** | **Table Angle (Degree)** | **Raw Value (dBuV)** | **Correction Factor (dB/m)** |
| 1 | *5700.00 | 119.1 PK | | | 3.21 V | 331 | 117.9 | 1.2 |
| 2 | *5700.00 | 107.2 AV | | | 3.21 V | 331 | 106.0 | 1.2 |
| 3 | #5725.00 | 67.8 PK | 68.2 | -0.4 | 1.86 V | 344 | 66.5 | 1.3 |
| 4 | 11400.00 | 46.9 PK | 74.0 | -27.1 | 2.51 V | 332 | 35.2 | 11.7 |
| 5 | 11400.00 | 34.8 AV | 54.0 | -19.2 | 2.51 V | 332 | 23.1 | 11.7 |
| 6 | #17100.00 | 45.8 PK | 68.2 | -22.4 | 2.28 V | 182 | 29.5 | 16.3 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

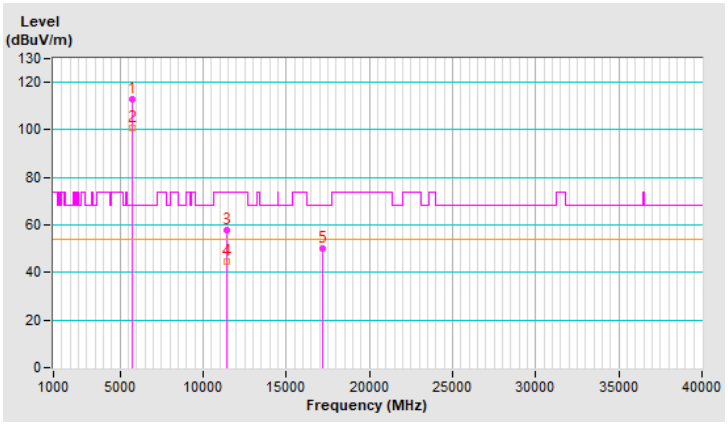


| RF Mode | TX 802.11ax (HE20) | Channel | CH 144：5720 MHz |
|---|---|---|---|
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 20 °C, 70 % RH |
| Tested By | Vic Huang | | |

| Antenna Polarity & Test Distance : Horizontal at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *5720.00 | 112.7 PK | | | 1.16 H | 329 | 111.4 | 1.3 |
| 2 | *5720.00 | 100.9 AV | | | 1.16 H | 329 | 99.6 | 1.3 |
| 3 | 11440.00 | 57.6 PK | 74.0 | -16.4 | 1.09 H | 324 | 45.9 | 11.7 |
| 4 | 11440.00 | 44.8 AV | 54.0 | -9.2 | 1.09 H | 324 | 33.1 | 11.7 |
| 5 | #17160.00 | 50.0 PK | 68.2 | -18.2 | 1.97 H | 44 | 33.9 | 16.1 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

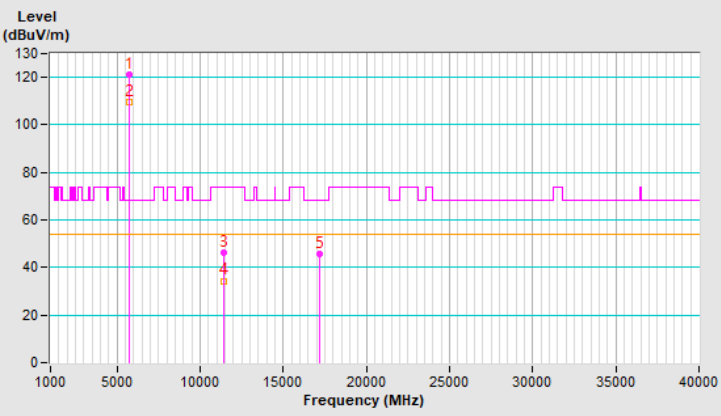


| RF Mode | TX 802.11ax (HE20) | Channel | CH 144：5720 MHz |
|---|---|---|---|
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 20 °C, 70 % RH |
| Tested By | Vic Huang | | |

| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | *5720.00 | 121.0 PK | | | 2.70 V | 183 | 119.7 | 1.3 |
| 2 | *5720.00 | 109.7 AV | | | 2.70 V | 183 | 108.4 | 1.3 |
| 3 | 11440.00 | 46.4 PK | 74.0 | -27.6 | 2.53 V | 347 | 34.7 | 11.7 |
| 4 | 11440.00 | 34.4 AV | 54.0 | -19.6 | 2.53 V | 347 | 22.7 | 11.7 |
| 5 | #17160.00 | 45.6 PK | 68.2 | -22.6 | 2.32 V | 178 | 29.5 | 16.1 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

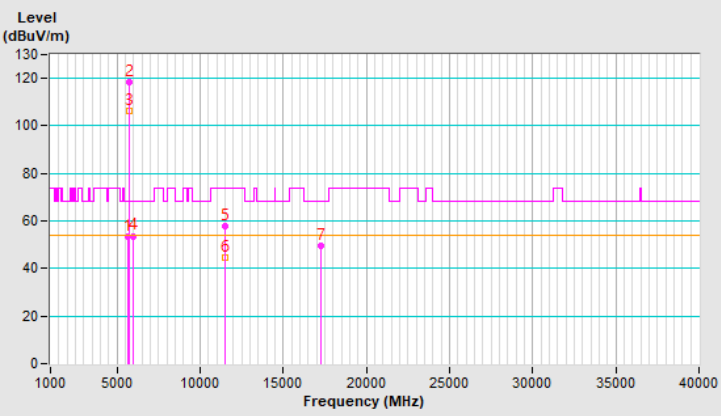


| RF Mode | TX 802.11ax (HE20) | Channel | CH 149：5745 MHz |
|---|---|---|---|
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 20 °C, 70 % RH |
| Tested By | Vic Huang | | |

| Antenna Polarity & Test Distance : Horizontal at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | #5640.55 | 53.5 PK | 68.2 | -14.7 | 1.21 H | 314 | 52.5 | 1.0 |
| 2 | *5745.00 | 118.6 PK | | | 1.21 H | 314 | 117.2 | 1.4 |
| 3 | *5745.00 | 106.2 AV | | | 1.21 H | 314 | 104.8 | 1.4 |
| 4 | #5945.25 | 53.7 PK | 68.2 | -14.5 | 1.21 H | 314 | 52.0 | 1.7 |
| 5 | 11490.00 | 57.7 PK | 74.0 | -16.3 | 1.07 H | 328 | 46.0 | 11.7 |
| 6 | 11490.00 | 44.7 AV | 54.0 | -9.3 | 1.07 H | 328 | 33.0 | 11.7 |
| 7 | #17235.00 | 49.4 PK | 68.2 | -18.8 | 1.92 H | 54 | 33.5 | 15.9 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

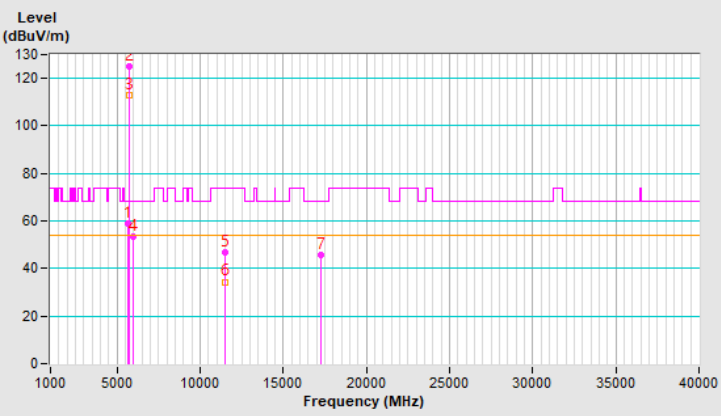


| RF Mode | TX 802.11ax (HE20) | Channel | CH 149：5745 MHz |
|---|---|---|---|
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 20 °C, 70 % RH |
| Tested By | Vic Huang | | |

| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | #5636.86 | 58.8 PK | 68.2 | -9.4 | 1.67 V | 34 | 57.8 | 1.0 |
| 2 | *5745.00 | 124.8 PK | | | 1.67 V | 34 | 123.4 | 1.4 |
| 3 | *5745.00 | 112.7 AV | | | 1.67 V | 34 | 111.3 | 1.4 |
| 4 | #5938.71 | 53.6 PK | 68.2 | -14.6 | 1.67 V | 34 | 52.0 | 1.6 |
| 5 | 11490.00 | 46.7 PK | 74.0 | -27.3 | 2.55 V | 333 | 35.0 | 11.7 |
| 6 | 11490.00 | 34.4 AV | 54.0 | -19.6 | 2.55 V | 333 | 22.7 | 11.7 |
| 7 | #17235.00 | 45.8 PK | 68.2 | -22.4 | 2.31 V | 159 | 29.9 | 15.9 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

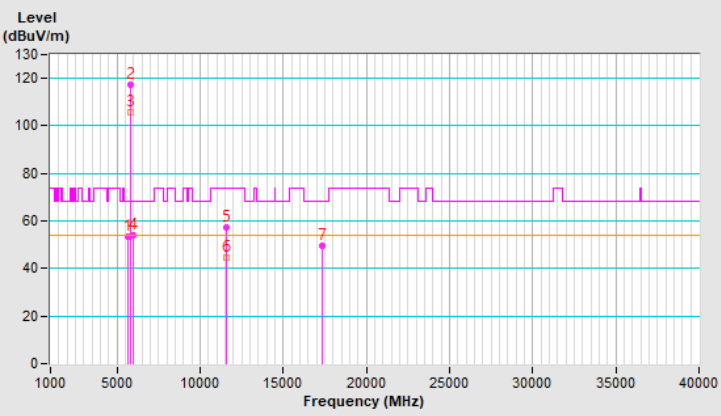


| RF Mode | TX 802.11ax (HE20) | Channel | CH 157：5785 MHz |
|---|---|---|---|
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 20 °C, 70 % RH |
| Tested By | Vic Huang | | |

| Antenna Polarity & Test Distance : Horizontal at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | #5649.67 | 53.4 PK | 68.2 | -14.8 | 1.19 H | 314 | 52.4 | 1.0 |
| 2 | *5785.00 | 117.5 PK | | | 1.19 H | 314 | 116.1 | 1.4 |
| 3 | *5785.00 | 105.9 AV | | | 1.19 H | 314 | 104.5 | 1.4 |
| 4 | #5939.95 | 54.0 PK | 68.2 | -14.2 | 1.19 H | 314 | 52.3 | 1.7 |
| 5 | 11570.00 | 57.2 PK | 74.0 | -16.8 | 1.01 H | 325 | 45.8 | 11.4 |
| 6 | 11570.00 | 44.4 AV | 54.0 | -9.6 | 1.01 H | 325 | 33.0 | 11.4 |
| 7 | #17355.00 | 49.7 PK | 68.2 | -18.5 | 1.99 H | 57 | 33.2 | 16.5 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.



| RF Mode | TX 802.11ax (HE20) | Channel | CH 157：5785 MHz |
|---|---|---|---|
| Frequency Range | 1 GHz ~ 40 GHz | Detector Function & Bandwidth | (PK) RB = 1 MHz, VB = 3 MHz<br>(AV) RB = 1 MHz, VB = 10 Hz |
| Input Power | 120 Vac, 60 Hz | Environmental Conditions | 20 °C, 70 % RH |
| Tested By | Vic Huang | | |

| Antenna Polarity & Test Distance : Vertical at 3 m | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| No | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1 | #5633.20 | 58.5 PK | 68.2 | -9.7 | 1.72 V | 34 | 57.5 | 1.0 |
| 2 | *5785.00 | 122.3 PK | | | 1.72 V | 34 | 120.9 | 1.4 |
| 3 | *5785.00 | 112.2 AV | | | 1.72 V | 34 | 110.8 | 1.4 |
| 4 | #5942.40 | 55.5 PK | 68.2 | -12.7 | 1.72 V | 34 | 53.8 | 1.7 |
| 5 | 11570.00 | 47.5 PK | 74.0 | -26.5 | 2.55 V | 342 | 36.1 | 11.4 |
| 6 | 11570.00 | 34.9 AV | 54.0 | -19.1 | 2.55 V | 342 | 23.5 | 11.4 |
| 7 | #17355.00 | 45.8 PK | 68.2 | -22.4 | 2.24 V | 183 | 29.3 | 16.5 |

**Remarks:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.