

# TEST REPORT

## CERTIFICATE OF CONFORMITY

**Standard:** 47 CFR FCC Part 15, Subpart E (Section 15.407)  
**Report No.:** RFBCMN-WTW-P23100614-2  
**FCC ID:** Q3N-RS38  
**Product:** Mobile Computer  
**Brand:** CIPHERLAB  
**Model No.:** RS38  
**Series Model:** RS38WO (Refer to item 3.1 for more details)  
**Received Date:** 2023/11/12  
**Test Date:** 2024/1/15 ~ 2024/7/11  
**Issued Date:** 2024/8/5  
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**Test Location(2):** No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kewi Shan Dist., Taoyuan City 33383, Taiwan  
**FCC Registration /** 198487 / TW2021 for Test Location(1)  
**Designation Number:** 788550 / TW0003 for Test Location(2)

Approved by:

*Jeremy Lin*  
Jeremy Lin / Project Engineer

, Date:

2024/8/5

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Prepared by : Polly Chien / Specialist



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**Release Control Record**

| Issue No.               | Description       | Date Issued |
|-------------------------|-------------------|-------------|
| RFBCMNI-WTW-P23100614-2 | Original release. | 2024/8/5    |

## 1 Certificate

**Product:** Mobile Computer

**Brand:** CIPHERLAB

**Test Model:** RS38

**Series Model:** RS38WO (Refer to item 3.1 for more details)

**Sample Status:** Engineering sample

**Applicant:** Cipherlab Co., Ltd.

**Test Date:** 2024/1/15 ~ 2024/7/11

**Standard:** 47 CFR FCC Part 15, Subpart E (Section 15.407)

**Measurement procedure:** ANSI C63.10-2013  
KDB 987594 D02 U-NII 6 GHz EMC Measurement v02r01  
KDB 789033 D02 General UNII Test Procedure New Rules v02r01  
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)(8)                                   | Maximum RF Output Power        | Pass   | Meet the requirement of limit.                        |
| 15.407(a)(8)                                   | Maximum Power Spectral Density | Pass   | Meet the requirement of limit.                        |
| 15.407(a)(11)                                  | Emission Bandwidth             | Pass   | Meet the requirement of limit.                        |
| ---                                            | Occupied Bandwidth             | -      | Reference only.                                       |
| 15.407(b)(9)                                   | AC Power Conducted Emissions   | Pass   | Minimum passing margin is -21.92 dB at 0.39400 MHz    |
| 15.407(b)(9)                                   | Unwanted Emissions below 1 GHz | Pass   | Minimum passing margin is -14.1 dB at 933.07 MHz      |
| 15.407(b)(6)<br>15.407(b)(10)                  | Unwanted Emissions above 1 GHz | Pass   | Minimum passing margin is -0.4 dB at 7125.00 MHz      |
| 15.407(b)(7)                                   | In-Band Emission Mask          | Pass   | Meet the requirement of limit.                        |
| 15.407(d)(6)                                   | Contention-based Protocol      | Pass   | Meet the requirement of limit.                        |
| 15.407(g)                                      | Frequency Stability            | Pass   | Meet the requirement of limit.                        |
| 15.203                                         | Antenna Requirement            | Pass   | Antenna connector is Spring 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:

| Parameter                      | Specification   | Uncertainty (±) |
|--------------------------------|-----------------|-----------------|
| Maximum RF Output Power        | -               | 1.1 dB          |
| Maximum Power Spectral Density | -               | 1.3 dB          |
| Occupied Bandwidth             | -               | 960 Hz          |
| AC Power Conducted Emissions   | 9 kHz ~ 30 MHz  | 2.88 dB         |
| Unwanted Emissions below 1 GHz | 9 kHz ~ 30 MHz  | 2.44 dB         |
|                                | 30 MHz ~ 1 GHz  | 2.95 dB         |
| Unwanted Emissions above 1 GHz | 1 GHz ~ 18 GHz  | 2.26 dB         |
|                                | 18 GHz ~ 40 GHz | 1.94 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               | Mobile Computer                                                                                                                                                                                                          |
| Brand                 | CIPHERLAB                                                                                                                                                                                                                |
| Test Model            | RS38                                                                                                                                                                                                                     |
| Series Model          | RS38WO                                                                                                                                                                                                                   |
| Model Difference      | Refer to note                                                                                                                                                                                                            |
| Status of EUT         | Engineering sample                                                                                                                                                                                                       |
| Power Supply Rating   | 3.87 Vdc (from battery)<br>5 Vdc (from adapter or host equipment)                                                                                                                                                        |
| Modulation Type       | 1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDMA                                                                                                                                                                      |
| Modulation Technology | OFDMA                                                                                                                                                                                                                    |
| Transfer Rate         | 802.11ax: up to 2401.9 Mbps                                                                                                                                                                                              |
| Operating Frequency   | 5.995 GHz ~ 6.415 GHz<br>6.435 GHz ~ 6.525 GHz<br>6.535 GHz ~ 6.865 GHz<br>6.875 GHz ~ 7.095 GHz                                                                                                                         |
| Number of Channel     | 802.11ax (HE20):57<br>802.11ax (HE40):28<br>802.11ax (HE80):13<br>802.11ax (HE160):6                                                                                                                                     |
| Resource Unit (RU)    | 26-tone, 52-tone, 106-tone, 242-tone, 484-tone, 996-tone, 996x2-tone                                                                                                                                                     |
| Output Power          | 5.995 GHz ~ 6.415 GHz : EIRP: 27.200 mW (14.35 dBm)<br>6.435 GHz ~ 6.525 GHz : EIRP: 23.606 mW (13.73 dBm)<br>6.535 GHz ~ 6.865 GHz : EIRP: 23.776 mW (13.76 dBm)<br>6.875 GHz ~ 7.095 GHz : EIRP: 17.185 mW (12.35 dBm) |
| Equipment Class       | 6XD: 15E 6 GHz Low-power Indoor client                                                                                                                                                                                   |

Note:

1. All models are listed as below. After pretesting, RS38 was the worst case and chosen for final test.

| Brand     | Model  | Difference |
|-----------|--------|------------|
| CIPHERLAB | RS38   | WWAN+WLAN  |
|           | RS38WO | WLAN only  |

\* The hardware of the two models has not changed, only the software is used to turn off WWAN.

2. The EUT uses following accessories.

| Item                | Brand                              | Model         | Specification                                                                |
|---------------------|------------------------------------|---------------|------------------------------------------------------------------------------|
| Adapter             | Channel WELL Technology            | 2AEA010BC3D   | AC Input: 100-240 Vac, 50/60 Hz, 0.35 A<br>DC Output: 5.0 Vdc, 2.0 A, 10.0 W |
| Reader 1            | Zebra                              | SE4770        | -                                                                            |
| Reader 2            | Zebra                              | SE4100        | -                                                                            |
| Reader 3            | Zebra                              | SE5500        | -                                                                            |
| 1st Battery         | CIPHERLAB                          | BA-0174A5     | 3.87 Vdc, 4500 mAh, 17.42 Wh                                                 |
| 2nd Battery         | Chongqing VDL Electronics Co., Ltd | 341322PM4     | 3.85 Vdc, 90 mAh                                                             |
| USB To Type C Cable | SUNCA CO., LTD                     | 1Q11512211-XJ | 0.9 m                                                                        |

\* After pretesting, Reader 1 and 1st Battery were the worst case and chosen for final test.

3. Simultaneously transmission condition.

| Condition | Technology                                        |
|-----------|---------------------------------------------------|
| 1         | WWAN + WLAN 2.4G (Ant. 4) + WLAN 5G (Ant. 2) + BT |
| 2         | WWAN + WLAN 2.4G (MIMO)                           |
| 3         | WWAN + WLAN 5G (MIMO) + BT                        |
| 4         | WWAN + WLAN 6G (MIMO)                             |

Note: The emission of the simultaneous operation has been evaluated and no non-compliance was found.

4. The EUT support OFDMA and RU mode, therefore partial RU combination were investigated and the worst case scenario was identified. (The worst case data were presented in section 3.4)
5. The above EUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or User's Manual.

### 3.2 Antenna Description of EUT

1. The antenna information is listed as below.

| Antenna | Antenna Type | Connector Type | Frequency (MHz) | Peak Gain (dBi) |
|---------|--------------|----------------|-----------------|-----------------|
| Ant. 2  | LDS          | Spring         | 2400-2483.5     | 1.0             |
|         |              |                | 5150-5250       | 0.5             |
|         |              |                | 5250-5350       | 0.5             |
|         |              |                | 5470-5725       | 0.5             |
|         |              |                | 5725-5850       | 0.5             |
|         |              |                | 5925-6425       | -1.0            |
|         |              |                | 6425-6525       | -1.8            |
|         |              |                | 6525-6875       | -1.2            |
|         |              |                | 6875-7125       | -2.7            |
| Ant. 4  | LDS          | Spring         | 2400-2483.5     | 1.0             |
|         |              |                | 5150-5250       | 0.5             |
|         |              |                | 5250-5350       | 0.5             |
|         |              |                | 5470-5725       | 0.5             |
|         |              |                | 5725-5850       | 0.5             |
|         |              |                | 5955-6425       | -0.8            |
|         |              |                | 6425-6525       | -1.5            |
|         |              |                | 6525-6875       | -1.3            |
|         |              |                | 6875-7125       | -2.6            |

\*Detail antenna specification please refer to antenna datasheet and/or antenna measurement report.

2. The EUT incorporates a MIMO function:

| 6 GHz Band                               |                       |     |
|------------------------------------------|-----------------------|-----|
| Modulation Mode                          | TX & RX Configuration |     |
| 802.11ax (HE20)                          | 2TX                   | 2RX |
| 802.11ax (HE40)                          | 2TX                   | 2RX |
| 802.11ax (HE80)                          | 2TX                   | 2RX |
| 802.11ax (HE160)                         | 2TX                   | 2RX |
| 802.11ax (RU26/52/106/242/484/996/2x996) | 2TX                   | 2RX |

Note:

1. The EUT don't support Beamforming mode.
2. The EUT support OFDMA and RU mode, therefore partial RU combination were investigated and the worst case scenario was identified.

### 3.3 Channel List

#### U-NII-5:

22 channels are provided for 802.11ax (HE20):

| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
| 9       | 5995 MHz  | 13      | 6015 MHz  | 17      | 6035 MHz  | 21      | 6055 MHz  |
| 25      | 6075 MHz  | 29      | 6095 MHz  | 33      | 6115 MHz  | 37      | 6135 MHz  |
| 41      | 6155 MHz  | 45      | 6175 MHz  | 49      | 6195 MHz  | 53      | 6215 MHz  |
| 57      | 6235 MHz  | 61      | 6255 MHz  | 65      | 6275 MHz  | 69      | 6295 MHz  |
| 73      | 6315 MHz  | 77      | 6335 MHz  | 81      | 6355 MHz  | 85      | 6375 MHz  |
| 89      | 6395 MHz  | 93      | 6415 MHz  |         |           |         |           |

11 channels are provided for 802.11ax (HE40):

| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
| 11      | 6005 MHz  | 19      | 6045 MHz  | 27      | 6085 MHz  | 35      | 6125 MHz  |
| 43      | 6165 MHz  | 51      | 6205 MHz  | 59      | 6245 MHz  | 67      | 6285 MHz  |
| 75      | 6325 MHz  | 83      | 6365 MHz  | 91      | 6405 MHz  |         |           |

5 channels are provided for 802.11ax (HE80):

| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
| 7       | 5985 MHz  | 23      | 6065 MHz  | 39      | 6145 MHz  | 55      | 6225 MHz  |
| 71      | 6305 MHz  | 87      | 6385 MHz  |         |           |         |           |

2 channels are provided for 802.11ax (HE160):

| Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|
| 47      | 6185 MHz  | 79      | 6345 MHz  |

#### U-NII-6:

5 channels are provided for 802.11ax (HE20):

| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
| 97      | 6435 MHz  | 101     | 6455 MHz  | 105     | 6475 MHz  | 109     | 6495 MHz  |
| 113     | 6515 MHz  |         |           |         |           |         |           |

3 channels are provided for 802.11ax (HE40):

| Channel | Frequency | Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|---------|-----------|
| 99      | 6445 MHz  | 107     | 6485 MHz  | *115    | 6525 MHz  |

1 channel is provided for 802.11ax (HE80):

| Channel | Frequency |
|---------|-----------|
| 103     | 6465 MHz  |

1 channel is provided for 802.11ax (HE160):

| Channel | Frequency |
|---------|-----------|
| *111    | 6505 MHz  |

## U-NII-7:

17 channels are provided for 802.11ax (HE20):

| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
| 117     | 6535 MHz  | 121     | 6555 MHz  | 125     | 6575 MHz  | 129     | 6595 MHz  |
| 133     | 6615 MHz  | 137     | 6635 MHz  | 141     | 6655 MHz  | 145     | 6675 MHz  |
| 149     | 6695 MHz  | 153     | 6715 MHz  | 157     | 6735 MHz  | 161     | 6755 MHz  |
| 165     | 6775 MHz  | 169     | 6795 MHz  | 173     | 6815 MHz  | 177     | 6835 MHz  |
| 181     | 6855 MHz  |         |           |         |           |         |           |

8 channels are provided for 802.11ax (HE40):

| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
| 123     | 6565 MHz  | 131     | 6605 MHz  | 139     | 6645 MHz  | 147     | 6685 MHz  |
| 155     | 6725 MHz  | 163     | 6765 MHz  | 171     | 6805 MHz  | 179     | 6845 MHz  |

5 channels are provided for 802.11ax (HE80):

| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
| *119    | 6545 MHz  | 135     | 6625 MHz  | 151     | 6705 MHz  | 167     | 6785 MHz  |
| *183    | 6865 MHz  |         |           |         |           |         |           |

2 channels are provided for 802.11ax (HE160):

| Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|
| 143     | 6665 MHz  | *175    | 6825 MHz  |

## U-NII-8:

13 channels are provided for 802.11ax (HE20):

| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
| 185     | 6875 MHz  | 189     | 6895 MHz  | 193     | 6915 MHz  | 197     | 6935 MHz  |
| 201     | 6955 MHz  | 205     | 6975 MHz  | 209     | 6995 MHz  | 213     | 7015 MHz  |
| 217     | 7035 MHz  | 221     | 7055 MHz  | 225     | 7075 MHz  | 229     | 7095 MHz  |
| 233     | 7115 MHz  |         |           |         |           |         |           |

6 channels are provided for 802.11ax (HE40):

| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
| 187     | 6885 MHz  | 195     | 6925 MHz  | 203     | 6965 MHz  | 211     | 7005 MHz  |
| 219     | 7045 MHz  | 227     | 7085 MHz  |         |           |         |           |

2 channels are provided for 802.11ax (HE80):

| Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|
| 199     | 6945 MHz  | 215     | 7025 MHz  |

1 channel is provided for 802.11ax (HE160):

| Channel | Frequency |
|---------|-----------|
| 207     | 6985 MHz  |

Note: \* mean these are straddle channels.

### 3.4 Test Mode Applicability and Tested Channel Detail

|             |                                                                                                                                                                                                                                                                                                                                                               |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pre-Scan:   | 1. EUT can be used in the following ways: X-axis/ Y-axis/ Z-axis. Pre-scan these ways and find the worst case as a representative test condition.<br>2. 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). |
| Worst Case: | 1. EUT Worst Condition: Y-axis                                                                                                                                                                                                                                                                                                                                |

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

| Test Item                      | Mode                        | Tested Channel                                         | Modulation | Data Rate Parameter | RU/MRU Index |
|--------------------------------|-----------------------------|--------------------------------------------------------|------------|---------------------|--------------|
| Maximum RF Output Power        | 802.11ax (HE20)             | 9, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 229  | BPSK       | MCS0                | NA           |
|                                | 802.11ax (HE40)             | 11, 43, 91, 99, 107, 115, 123, 155, 179, 187, 211, 227 | BPSK       | MCS0                | NA           |
|                                | 802.11ax (HE80)             | 23, 39, 87, 103, 119, 151, 183, 199, 215               | BPSK       | MCS0                | NA           |
|                                | 802.11ax (HE160)            | 47, 79, 111, 143, 175, 207                             | BPSK       | MCS0                | NA           |
|                                | 802.11ax (HE20) 26-tone RU  | 9, 93, 97, 113, 117, 185, 209, 229                     | BPSK       | MCS0                | 0, 8         |
|                                | 802.11ax (HE20) 52-tone RU  | 9, 93, 97, 113, 117, 185, 209, 229                     | BPSK       | MCS0                | 37, 40       |
|                                | 802.11ax (HE20) 106-tone RU | 9, 93, 97, 113, 117, 185, 209, 229                     | BPSK       | MCS0                | 53, 54       |
| Maximum Power Spectral Density | 802.11ax (HE20)             | 9, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 229  | BPSK       | MCS0                | NA           |
|                                | 802.11ax (HE40)             | 11, 43, 91, 99, 107, 115, 123, 155, 179, 187, 211, 227 | BPSK       | MCS0                | NA           |
|                                | 802.11ax (HE80)             | 23, 39, 87, 103, 119, 151, 183, 199, 215               | BPSK       | MCS0                | NA           |
|                                | 802.11ax (HE160)            | 47, 79, 111, 143, 175, 207                             | BPSK       | MCS0                | NA           |
|                                | 802.11ax (HE20) 26-tone RU  | 9, 93, 97, 113, 117, 185, 209, 229                     | BPSK       | MCS0                | 0, 8         |
|                                | 802.11ax (HE20) 52-tone RU  | 9, 93, 97, 113, 117, 185, 209, 229                     | BPSK       | MCS0                | 37, 40       |
|                                | 802.11ax (HE20) 106-tone RU | 9, 93, 97, 113, 117, 185, 209, 229                     | BPSK       | MCS0                | 53, 54       |
| Emission Bandwidth             | 802.11ax (HE20)             | 9, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 229  | BPSK       | MCS0                | NA           |
|                                | 802.11ax (HE40)             | 11, 43, 91, 99, 107, 115, 123, 155, 179, 187, 211, 227 | BPSK       | MCS0                | NA           |
|                                | 802.11ax (HE80)             | 23, 39, 87, 103, 119, 151, 183, 199, 215               | BPSK       | MCS0                | NA           |
|                                | 802.11ax (HE160)            | 47, 79, 111, 143, 175, 207                             | BPSK       | MCS0                | NA           |
|                                | 802.11ax (HE20) 26-tone RU  | 9, 93, 97, 113, 117, 185, 209, 229                     | BPSK       | MCS0                | 0, 8         |
|                                | 802.11ax (HE20) 52-tone RU  | 9, 93, 97, 113, 117, 185, 209, 229                     | BPSK       | MCS0                | 37, 40       |
|                                | 802.11ax (HE20) 106-tone RU | 9, 93, 97, 113, 117, 185, 209, 229                     | BPSK       | MCS0                | 53, 54       |

| Test Item                      | Mode                           | Tested Channel                                         | Modulation  | Data Rate Parameter | RU/MRU Index |
|--------------------------------|--------------------------------|--------------------------------------------------------|-------------|---------------------|--------------|
| In-Band Emission Mask          | 802.11ax (HE20)                | 9, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 229  | BPSK        | MCS0                | NA           |
|                                | 802.11ax (HE40)                | 11, 43, 91, 99, 107, 115, 123, 155, 179, 187, 211, 227 | BPSK        | MCS0                | NA           |
|                                | 802.11ax (HE80)                | 23, 39, 87, 103, 119, 151, 183, 199, 215               | BPSK        | MCS0                | NA           |
|                                | 802.11ax (HE160)               | 47, 79, 111, 143, 175, 207                             | BPSK        | MCS0                | NA           |
|                                | 802.11ax (HE20)<br>26-tone RU  | 9, 93, 97, 113, 117, 185, 209, 229                     | BPSK        | MCS0                | 0, 8         |
|                                | 802.11ax (HE20)<br>52-tone RU  | 9, 93, 97, 113, 117, 185, 209, 229                     | BPSK        | MCS0                | 37, 40       |
|                                | 802.11ax (HE20)<br>106-tone RU | 9, 93, 97, 113, 117, 185, 209, 229                     | BPSK        | MCS0                | 53, 54       |
| Occupied Bandwidth             | 802.11ax (HE20)                | 9, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 229  | BPSK        | MCS0                | NA           |
|                                | 802.11ax (HE40)                | 11, 43, 91, 99, 107, 115, 123, 155, 179, 187, 211, 227 | BPSK        | MCS0                | NA           |
|                                | 802.11ax (HE80)                | 23, 39, 87, 103, 119, 151, 183, 199, 215               | BPSK        | MCS0                | NA           |
|                                | 802.11ax (HE160)               | 47, 79, 111, 143, 175, 207                             | BPSK        | MCS0                | NA           |
|                                | 802.11ax (HE20)<br>26-tone RU  | 9, 93, 97, 113, 117, 185, 209, 229                     | BPSK        | MCS0                | 0, 8         |
|                                | 802.11ax (HE20)<br>52-tone RU  | 9, 93, 97, 113, 117, 185, 209, 229                     | BPSK        | MCS0                | 37, 40       |
|                                | 802.11ax (HE20)<br>106-tone RU | 9, 93, 97, 113, 117, 185, 209, 229                     | BPSK        | MCS0                | 53, 54       |
| Frequency Stability            | -                              | 9                                                      | unmodulated | -                   | NA           |
| Contention-based Protocol      | 802.11ax (HE20)                | 45, 105, 149, 209                                      | BPSK        | MCS0                | NA           |
|                                | 802.11ax (HE160)               | 47, 111, 143, 207                                      | BPSK        | MCS0                | NA           |
| AC Power Conducted Emissions   | 802.11ax (HE160)               | 79                                                     | BPSK        | MCS0                | NA           |
| Unwanted Emissions below 1 GHz | 802.11ax (HE160)               | 79                                                     | BPSK        | MCS0                | NA           |
| Unwanted Emissions above 1 GHz | 802.11ax (HE20)                | 9, 45, 93, 97, 105, 113, 117, 149, 181, 185, 209, 229  | BPSK        | MCS0                | NA           |
|                                | 802.11ax (HE40)                | 11, 43, 91, 99, 107, 115, 123, 155, 179, 187, 211, 227 | BPSK        | MCS0                | NA           |
|                                | 802.11ax (HE80)                | 23, 39, 87, 103, 119, 151, 183, 199, 215               | BPSK        | MCS0                | NA           |
|                                | 802.11ax (HE160)               | 47, 79, 111, 143, 175, 207                             | BPSK        | MCS0                | NA           |
|                                | 802.11ax (HE20)<br>26-tone RU  | 9, 93, 97, 113, 117, 185, 209, 229                     | BPSK        | MCS0                | 0, 8         |
|                                | 802.11ax (HE20)<br>52-tone RU  | 9, 93, 97, 113, 117, 185, 209, 229                     | BPSK        | MCS0                | 37, 40       |
|                                | 802.11ax (HE20)<br>106-tone RU | 9, 93, 97, 113, 117, 185, 209, 229                     | BPSK        | MCS0                | 53, 54       |

### 3.5 Duty Cycle of Test Signal

**802.11ax (HE20):** Duty cycle = 100 ms / 100 ms x 100% = 100.0%

**802.11ax (HE40):** Duty cycle = 100 ms / 100 ms x 100% = 100.0%

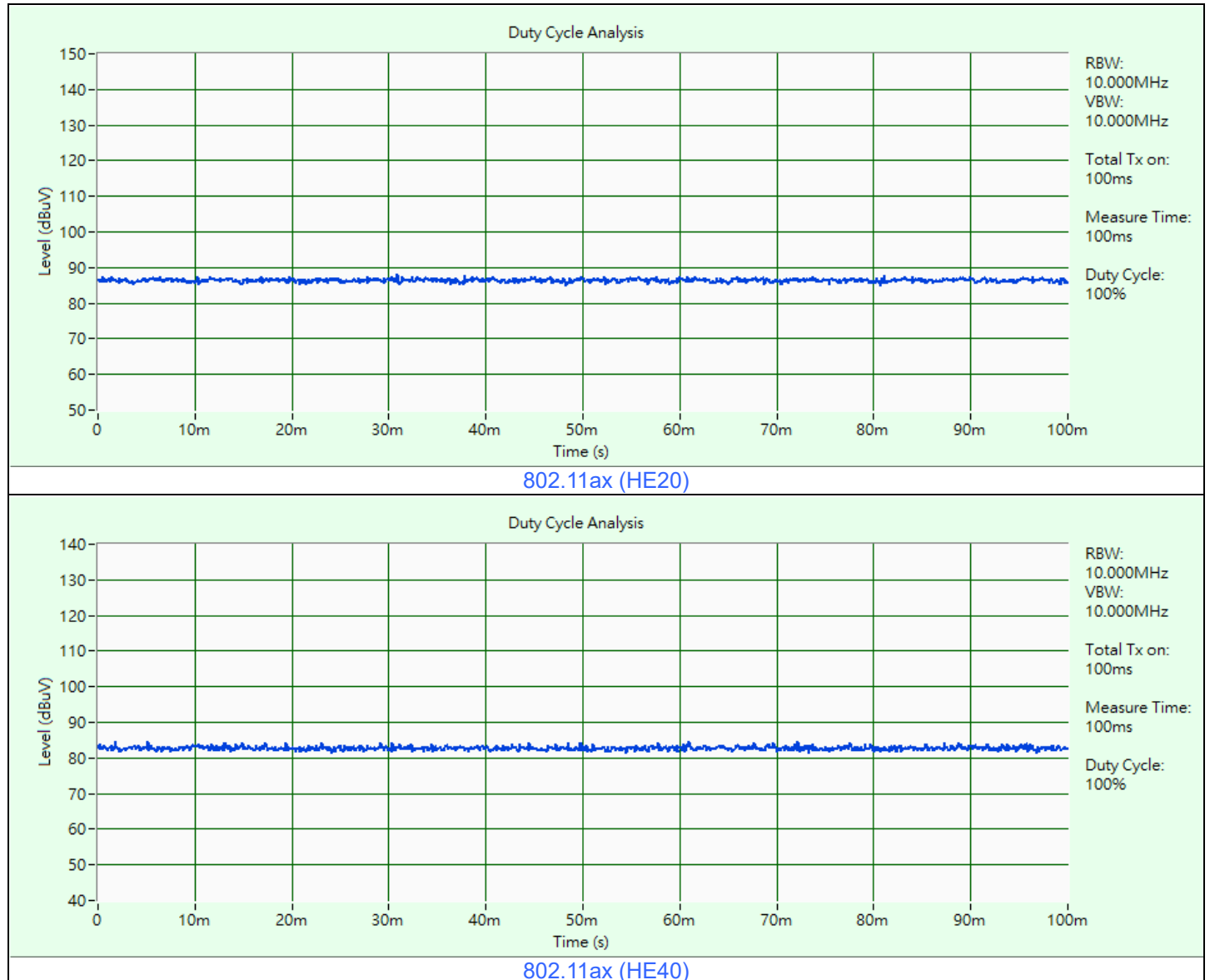
**802.11ax (HE80):** Duty cycle = 100 ms / 100 ms x 100% = 100.0%

**802.11ax (HE160):** Duty cycle = 100 ms / 100 ms x 100% = 100.0%

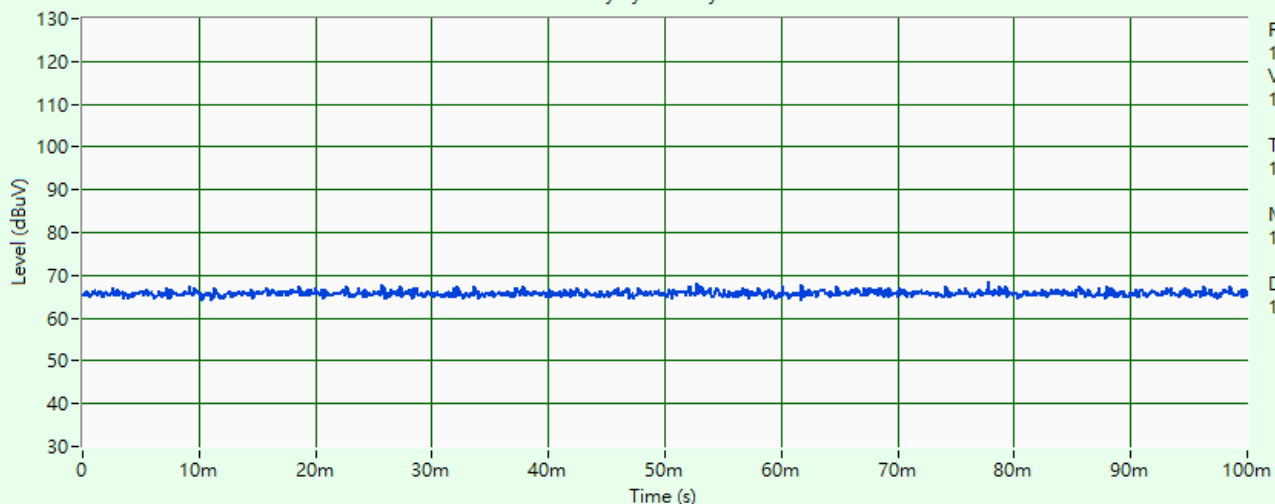
**802.11ax (HE20) 26-tone RU:** Duty cycle = 100 ms / 100 ms x 100% = 100.0%

**802.11ax (HE20) 52-tone RU:** Duty cycle = 100 ms / 100 ms x 100% = 100.0%

**802.11ax (HE20) 106-tone RU:** Duty cycle = 100 ms / 100 ms x 100% = 100.0%

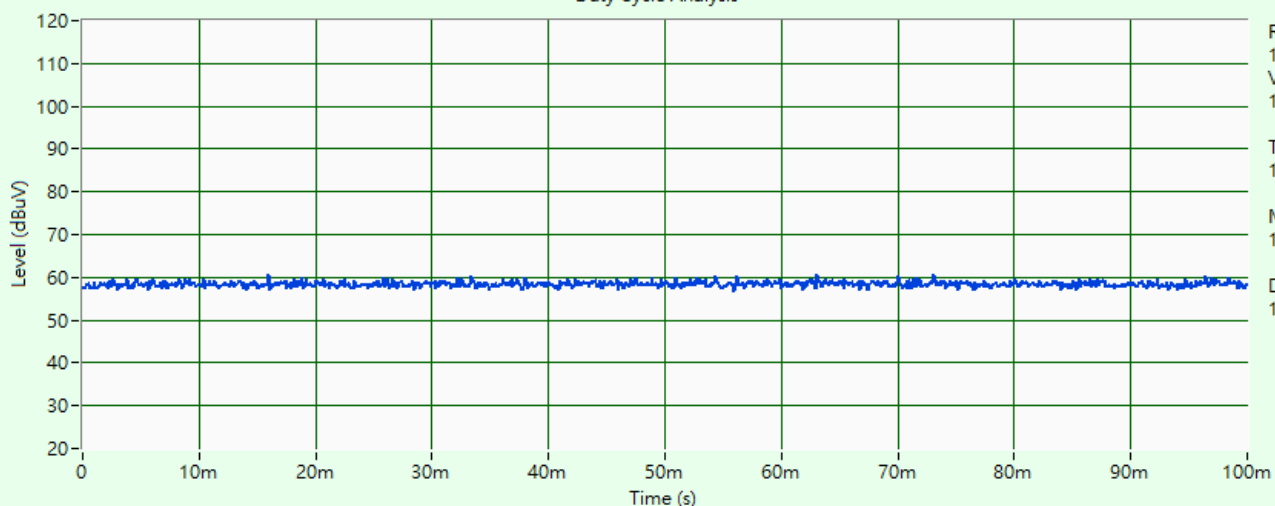


### Duty Cycle Analysis



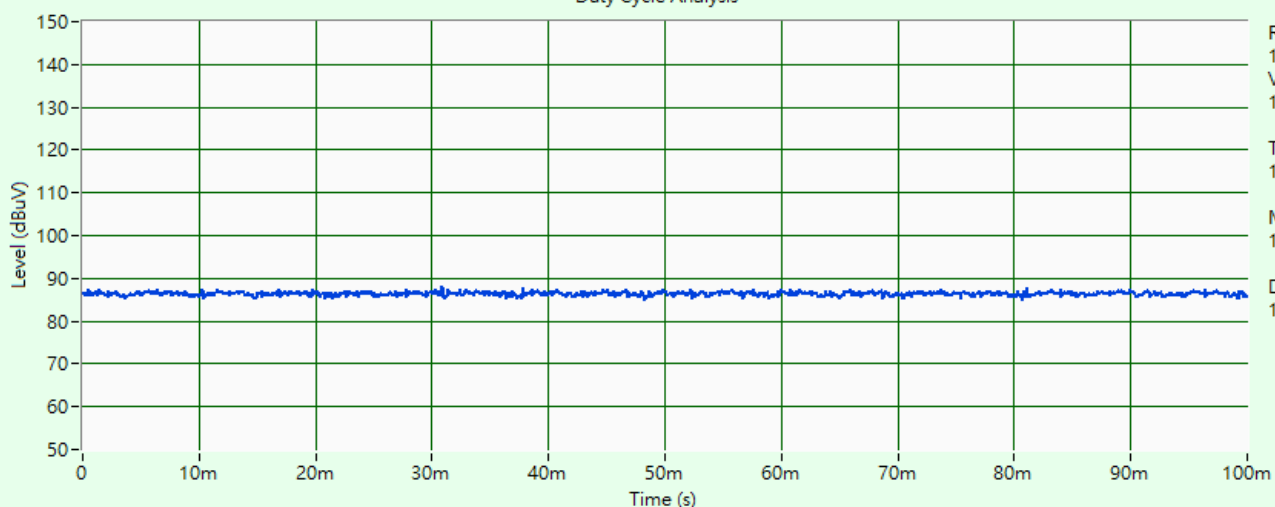
802.11ax (HE80)

### Duty Cycle Analysis



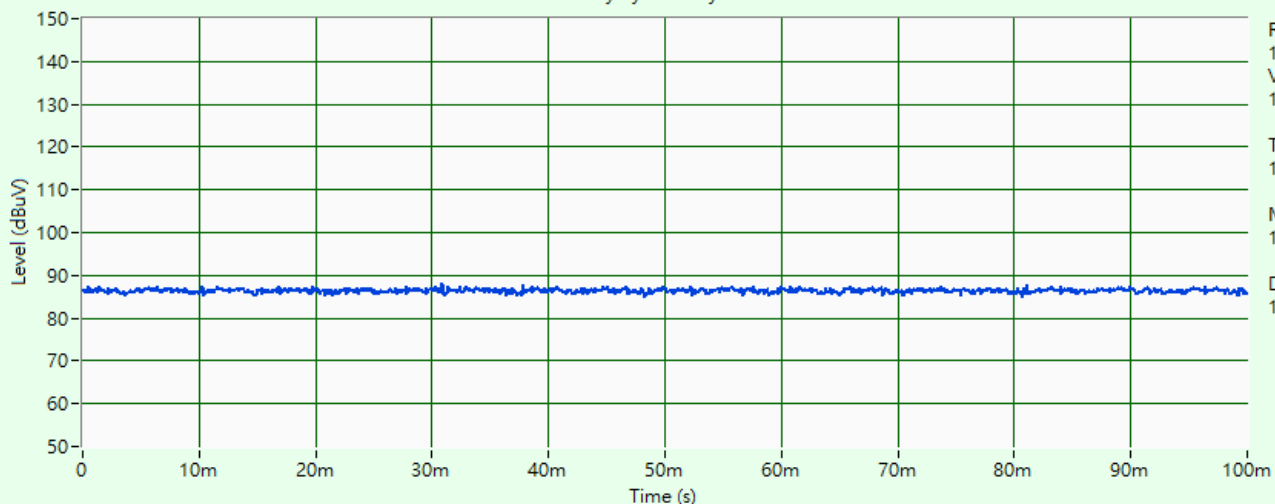
802.11ax (HE160)

### Duty Cycle Analysis



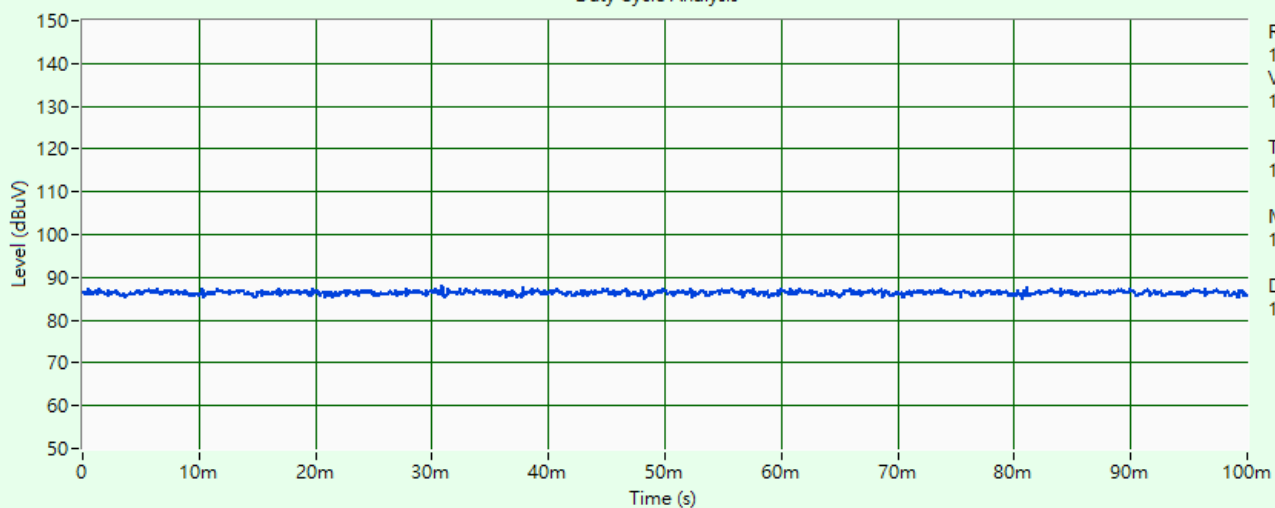
802.11ax (HE20) 26-tone RU

### Duty Cycle Analysis



### 802.11ax (HE20) 52-tone RU

### Duty Cycle Analysis

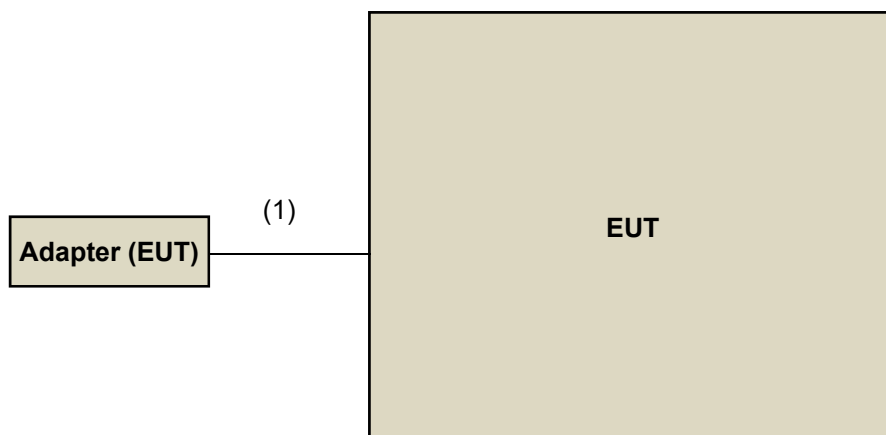


### 802.11ax (HE20) 106-tone RU

### 3.6 Test Program Used and Operation Descriptions

Controlling software QRCT V4.0 has been activated to set the EUT under transmission condition continuously at specific channel frequency.

### 3.7 Connection Diagram of EUT and Peripheral Devices



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**Under Table**

-----

**Remote Site**

### 3.8 Configuration of Peripheral Devices and Cable Connections

| ID | Cable Descriptions  | Qty. | Length (m) | Shielding (Yes/No) | Cores (Qty.) | Remarks          |
|----|---------------------|------|------------|--------------------|--------------|------------------|
| 1  | USB To Type C Cable | 1    | 0.9        | Y                  | 0            | Accessory of EUT |

## 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 Maximum RF Output Power

| Description<br>Manufacturer           | Model No. | Serial No.  | Calibrated<br>Date | Calibrated<br>Until |
|---------------------------------------|-----------|-------------|--------------------|---------------------|
| Pulse Power Sensor<br>Anritsu         | MA2411B   | 0738404     | 2024/5/13          | 2025/5/12           |
| RF Power Meter<br>Anritsu             | ML2495A   | 0842014     | 2024/5/13          | 2025/5/12           |
| USB Wideband Power Sensor<br>Keysight | U2021XA   | U2021XA_001 | 2024/6/7           | 2025/6/6            |

Notes:

1. The test was performed in LK - Oven
2. Tested Date: 2024/7/10 ~ 2024/7/11

### 4.2 Maximum Power Spectral Density

| Description<br>Manufacturer     | Model No.                        | Serial No. | Calibrated<br>Date | Calibrated<br>Until |
|---------------------------------|----------------------------------|------------|--------------------|---------------------|
| PXA Signal Analyzer<br>Keysight | N9030A                           | MY54490260 | 2023/7/13          | 2024/7/12           |
| Signal Analyzer<br>R&S          | FSV40                            | 101042     | 2023/9/5           | 2024/9/4            |
| Software                        | ADT_RF Test Software<br>V6.6.5.4 | N/A        | N/A                | N/A                 |

Notes:

1. The test was performed in LK - Oven
2. Tested Date: 2024/7/10 ~ 2024/7/11

### 4.3 Emission Bandwidth

Refer to section 4.2 to get the tested date and information of the instruments.

### 4.4 In-Band Emission Mask

Refer to section 4.2 to get the tested date and information of the instruments.

### 4.5 Occupied Bandwidth

Refer to section 4.2 to get the tested date and information of the instruments.

#### 4.6 Frequency Stability

| Description<br>Manufacturer                     | Model No.                        | Serial No.     | Calibrated<br>Date | Calibrated<br>Until |
|-------------------------------------------------|----------------------------------|----------------|--------------------|---------------------|
| 3-channel DC power supply<br>JIN YIH Technology | ODP3033                          | ODP30332128138 | N/A                | N/A                 |
| PXA Signal Analyzer<br>Keysight                 | N9030A                           | MY54490260     | 2023/7/13          | 2024/7/12           |
| Signal Analyzer<br>R&S                          | FSV40                            | 101042         | 2023/9/5           | 2024/9/4            |
| Software                                        | ADT_RF Test Software<br>V6.6.5.4 | N/A            | N/A                | N/A                 |
| Temperature & Humidity Chamber<br>Terchy        | MHU-225AU                        | 920409         | 2024/6/24          | 2025/6/23           |

Notes:

1. The test was performed in LK - Oven
2. Tested Date: 2024/7/10 ~ 2024/7/11

#### 4.7 Contention-based Protocol

| Description<br>Manufacturer             | Model No.      | Serial No. | Calibrated<br>Date | Calibrated<br>Until |
|-----------------------------------------|----------------|------------|--------------------|---------------------|
| EXA Signal Analyzer<br>Agilent          | N9010A         | MY52220207 | 2023/12/28         | 2024/12/27          |
| MXG Vector Signal Generator<br>Agilent  | N5182B         | MY53050430 | 2023/12/4          | 2024/12/3           |
| MXG Vector Signal Generator<br>Keysight | N5182BU        | MY59360189 | 2023/12/4          | 2024/12/3           |
| Power Divider<br>Woken                  | 0120A02058001M | DCMD33WIK3 | 2023/5/5           | 2024/5/4            |
|                                         |                | DCMD33WIK7 | 2023/5/5           | 2024/5/4            |

Notes:

1. The test was performed in Adaptivity room.
2. Tested Date: 2024/3/15

#### 4.8 AC Power Conducted Emissions

| Description<br>Manufacturer                | Model No.               | Serial No.     | Calibrated<br>Date | Calibrated<br>Until |
|--------------------------------------------|-------------------------|----------------|--------------------|---------------------|
| 50 ohm terminal resistance<br>HUBER+SUHNER | E1-011276               | 01             | 2023/2/1           | 2024/1/31           |
|                                            | E1-011312               | 10             | 2023/1/30          | 2024/1/29           |
|                                            | E1-011591               | 17             | 2023/2/1           | 2024/1/31           |
| DC-LISN<br>Schwarzbeck                     | NNBM 8126G              | 8126G-069      | 2023/11/7          | 2024/11/6           |
| EMI Test Receiver<br>R&S                   | ESR3                    | 102783         | 2023/12/13         | 2024/12/12          |
| Fixed Attenuator<br>SGH                    | BNC10W10dB              | PAD-COND2-01   | 2023/9/2           | 2024/9/1            |
| LISN<br>R&S                                | ESH2-Z5                 | 100100         | 2023/3/7           | 2024/3/6            |
|                                            | ESH3-Z5                 | 100312         | 2023/9/12          | 2024/9/11           |
| RF Coaxial Cable<br>Woken                  | 5D-FB                   | Cable-cond2-01 | 2023/9/2           | 2024/9/1            |
| Software<br>BVADT                          | BVADT_Cond_<br>V7.3.7.4 | N/A            | N/A                | N/A                 |
| V-LISN<br>Schwarzbeck                      | NNBL 8226-2             | 8226-142       | 2023/8/31          | 2024/8/30           |

Notes:

1. The test was performed in HY - Conduction 2.
2. Tested Date: 2024/1/16

#### 4.9 Unwanted Emissions below 1 GHz

| Description<br>Manufacturer       | Model No.                    | Serial No.    | Calibrated<br>Date | Calibrated<br>Until |
|-----------------------------------|------------------------------|---------------|--------------------|---------------------|
| Antenna Tower & Turn<br>Max-Full  | MFA-440H                     | AT93021705    | N/A                | N/A                 |
| Bi_Log Antenna<br>Schwarzbeck     | VULB 9168                    | 9168-472      | 2023/10/16         | 2024/10/15          |
| EXA Signal Analyzer<br>Agilent    | N9010A                       | MY52220207    | 2023/12/28         | 2024/12/27          |
| Loop Antenna<br>Electro-Metrics   | EM-6879                      | 269           | 2023/9/23          | 2024/9/22           |
| Loop Antenna<br>TESEQ             | HLA 6121                     | 45745         | 2023/8/8           | 2024/8/7            |
| MXE EMI Receiver<br>Keysight      | N9038A                       | MY55420137    | 2023/5/3           | 2024/5/2            |
| Preamplifier<br>EMCI              | EMC 330H                     | 980112        | 2023/9/27          | 2024/9/26           |
|                                   | EMC001340                    | 980201        | 2023/9/27          | 2024/9/26           |
| RF Coaxial Cable<br>Woken         | 8D-FB                        | Cable-Ch10-01 | 2023/9/27          | 2024/9/26           |
| Software<br>BV ADT                | ADT_Radiated_<br>V7.6.15.9.5 | N/A           | N/A                | N/A                 |
| Turn Table<br>Max-Full            | MFT-201SS                    | N/A           | N/A                | N/A                 |
| Turn Table Controller<br>Max-Full | MG-7802                      | N/A           | N/A                | N/A                 |

Notes:

1. The test was performed in HY - 966 chamber 5.
2. Tested Date: 2024/1/15

#### 4.10 Unwanted Emissions above 1 GHz

| Description<br>Manufacturer           | Model No.                    | Serial No.                    | Calibrated<br>Date | Calibrated<br>Until |
|---------------------------------------|------------------------------|-------------------------------|--------------------|---------------------|
| Antenna Tower & Turn<br>Max-Full      | MFA-440H                     | AT93021705                    | N/A                | N/A                 |
| Boresight antenna tower fixture<br>BV | BAF-02                       | 7                             | N/A                | N/A                 |
| EXA Signal Analyzer<br>Agilent        | N9010A                       | MY52220207                    | 2023/12/28         | 2024/12/27          |
| Horn Antenna<br>Schwarzbeck           | BBHA 9120D                   | 9120D-969                     | 2023/11/12         | 2024/11/11          |
|                                       | BBHA 9170                    | 148                           | 2023/11/12         | 2024/11/11          |
| MXE EMI Receiver<br>Keysight          | N9038A                       | MY55420137                    | 2023/5/3           | 2024/5/2            |
| Preamplifier<br>EMCI                  | EMC 012645                   | 980115                        | 2023/9/27          | 2024/9/26           |
|                                       | EMC 184045                   | 980116                        | 2023/9/27          | 2024/9/26           |
| RF Coaxial Cable<br>EMCI              | EMC102-KM-KM-600             | 150928                        | 2023/7/8           | 2024/7/7            |
|                                       | EMC102-KM-KM-3000            | 150929                        | 2023/7/8           | 2024/7/7            |
|                                       | EMC104-SM-SM-<br>8000+3000   | 171005                        | 2023/9/27          | 2024/9/26           |
| RF Coaxial Cable<br>HUBER+SUHNER      | SUCOFLEX 104                 | EMC104-SM-SM-<br>1000(140807) | 2023/9/27          | 2024/9/26           |
| Software<br>BV ADT                    | ADT_Radiated_<br>V7.6.15.9.5 | N/A                           | N/A                | N/A                 |
| Turn Table<br>Max-Full                | MFT-201SS                    | N/A                           | N/A                | N/A                 |
| Turn Table Controller<br>Max-Full     | MG-7802                      | N/A                           | N/A                | N/A                 |

#### Notes:

1. The test was performed in HY - 966 chamber 5.
2. Tested Date: 2024/1/16 ~ 2024/3/18

## 5 Limits of Test Items

### 5.1 Maximum RF Output Power

| Operation Band                           | Equipment Class                        | Limit                 |
|------------------------------------------|----------------------------------------|-----------------------|
|                                          |                                        | Maximum Average Power |
| U-NII-5<br>U-NII-6<br>U-NII-7<br>U-NII-8 | 6XD: 15E 6 GHz Low-power Indoor client | EIRP 24 dBm           |

Per KDB 662911 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  $\geq 40$  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.

### 5.2 Maximum Power Spectral Density

| Operation Band                           | Equipment Class                        | Limit                 |
|------------------------------------------|----------------------------------------|-----------------------|
|                                          |                                        | Maximum Power Density |
| U-NII-5<br>U-NII-6<br>U-NII-7<br>U-NII-8 | 6XD: 15E 6 GHz Low-power Indoor client | EIRP -1 dBm/MHz       |

### 5.3 Emission Bandwidth

The maximum transmitter channel bandwidth for U-NII devices in the 5.925-7.125 GHz band is 320 MHz.

### 5.4 In-Band Emission Mask

| Test Item     | Frequencies (MHz)                                                           | (X) dBc*1 |
|---------------|-----------------------------------------------------------------------------|-----------|
| Emission Mask | At 1 MHz outside of channel edge                                            | 20        |
|               | At one channel bandwidth from the channel center*2                          | 28        |
|               | At one- and one-half times the channel bandwidth away from channel center*3 | 40        |
|               | More than one- and one-half times the channel bandwidth                     | 40        |

\*1 : The power spectral density must be suppressed by "x" dB

\*2 : At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression,

\*3 : At frequencies between one and one- and one-half times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression.

### 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 Contention-based Protocol

Unlicensed indoor low-power devices must detect co-channel radio frequency power that is at least -62 dBm (The threshold is referenced to a 0 dBi antenna gain.) or lower. Additionally, indoor low-power devices must detect co-channel energy with 90% or greater certainty.

## 5.8 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.

## 5.9 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).

## 5.10 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

| Frequencies (MHz)       | EIRP Limit             | Equivalent Field Strength at 3 m |
|-------------------------|------------------------|----------------------------------|
| 5925 MHz > F > 7125 MHz | Peak: -7 (dBm/MHz)     | 88.2 (dBuV/m)                    |
|                         | Average: -27 (dBm/MHz) | 68.2 (dBuV/m)                    |

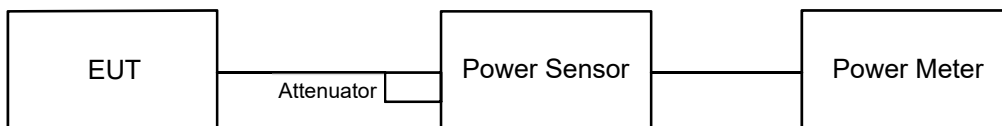
Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

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

## 6 Test Arrangements

### 6.1 Maximum RF Output Power

#### 6.1.1 Test Setup

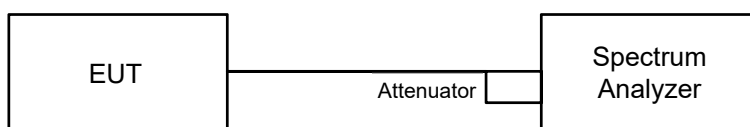


#### 6.1.2 Test Procedure

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.

### 6.2 Maximum Power Spectral Density

#### 6.2.1 Test Setup



#### 6.2.2 Test Procedure

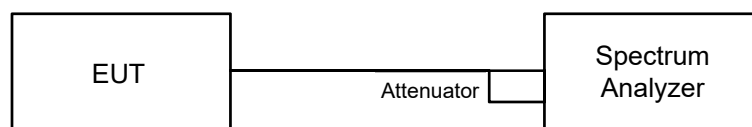
##### For specified measurement bandwidth 1 MHz:

##### Method SA-1

- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz, Set VBW  $\geq$  3 MHz, Detector = RMS
- Sweep points  $\geq [2 \times \text{span} / \text{RBW}]$ . (This gives bin-to-bin spacing  $\leq \text{RBW} / 2$ , so that narrowband signals are not lost between frequency bins.)
- Sweep time = auto, trigger set to "free run".
- Trace average at least 100 traces in power averaging mode.
- Record the max value

### 6.3 Emission Bandwidth

#### 6.3.1 Test Setup

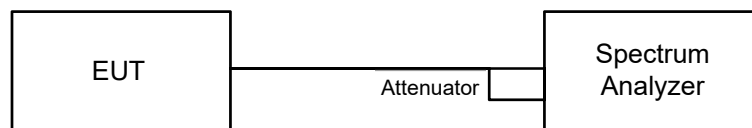


#### 6.3.2 Test Procedure

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

## 6.4 In-Band Emission Mask

### 6.4.1 Test Setup

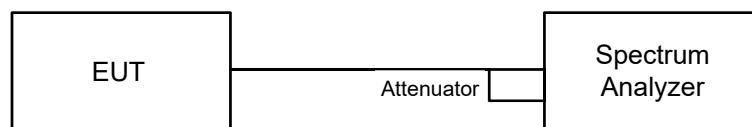


### 6.4.2 Test Procedure

- a. Connect output of the antenna port to a spectrum analyzer and adjust appropriate attenuation.
- b. Measure the 26 dB EBW using the test procedure 12.4.1 of ANSI C63.10-2013. (Determine the channel edge.)
- c. Measure the power spectral density (for emissions mask reference) using the following procedure:
  - a) Set the span to encompass the entire 26 dB EBW of the signal.
  - b) Set RBW = same RBW used for 26 dB EBW measurement.
  - c) Set VBW  $\geq [3 \times \text{RBW}]$ .
  - d) Number of points in sweep  $\geq [2 \times \text{span} / \text{RBW}]$ .
  - e) Sweep time = auto.
  - f) Detector = RMS (i.e., power averaging).
  - g) Trace average at least 100 traces in power averaging (rms) mode.
  - h) Use the peak search function on the instrument to find the peak of the spectrum.
- d. Using the measuring equipment limit line function, develop the emissions mask based on the following requirements. The emissions power spectral density must be reduced below the peak power spectral density (in dB) as follows:
  - a) Suppressed by 20 dB at 1 MHz outside of the channel edge. (The channel edge is defined as the 26-dB point on either side of the carrier center frequency.)
  - b) Suppressed by 28 dB at one channel bandwidth from the channel center.
  - c) Suppressed by 40 dB at one- and one-half times the channel bandwidth from the channel center.
- e. Adjust the span to encompass the entire mask as necessary and clear trace.
- f. Trace average at least 100 traces in power averaging (rms) mode.
- g. Adjust the reference level as necessary so that the crest of the channel touches the top of the emission mask

## 6.5 Occupied Bandwidth

### 6.5.1 Test Setup

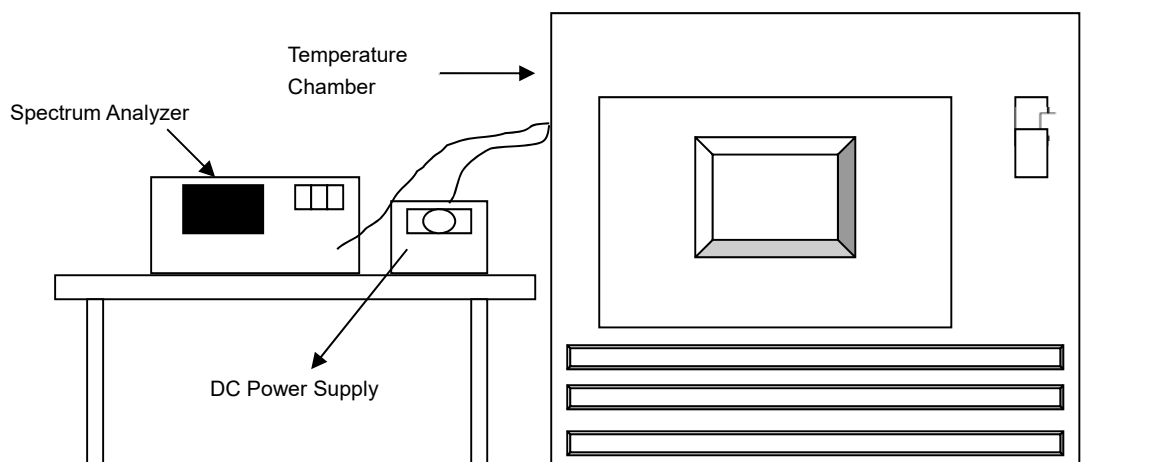


### 6.5.2 Test Procedure

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

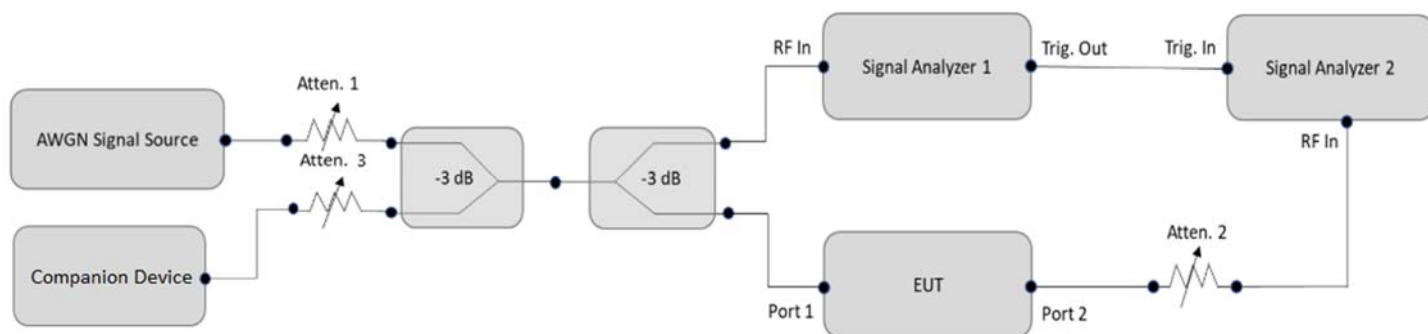


### 6.6.2 Test Procedure

- The EUT was placed inside the environmental test chamber and powered by nominal DC voltage.
- Turn the EUT on and couple its output to a spectrum analyzer.
- Turn the EUT off and set the chamber to the highest temperature specified.
- 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.
- Repeat step (d) with the temperature chamber set to the next desired temperature until measurements down to the lowest specified temperature have been completed.
- 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 Contention-based Protocol

### 6.7.1 Test Setup



### 6.7.2 Test Procedure

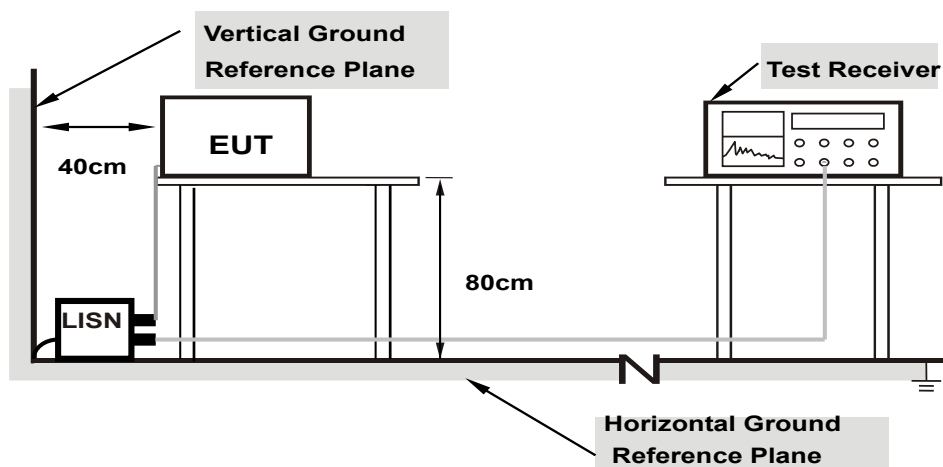
- Set the signal analyzer center frequency to the nominal EUT channel center frequency. The span range of the signal analyzer shall be between two times and five times the OBW of the EUT. Connect the output port of the EUT to the signal analyzer 2. Ensure that the attenuator 2 provides enough attenuation to not overload the signal analyzer 2 receiver.
- Monitoring the signal analyzer 2, verify the EUT is operating and transmitting with the parameters (set as following section 4.7.5 EUT operating condition).
- Determine number of times detection threshold test as following table,

| If                                                    | Number of Tests                                                    | Placement of Incumbent Transmission                                        |
|-------------------------------------------------------|--------------------------------------------------------------------|----------------------------------------------------------------------------|
| $BW_{EUT} \leq BW_{Inc}$                              | Once                                                               | Same as EUT transmission                                                   |
| $BW_{Inc} < BW_{EUT} \leq 2 \times BW_{Inc}$          | Once                                                               | Contained within $BW_{EUT}$                                                |
| $2 \times BW_{Inc} < BW_{EUT} \leq 4 \times BW_{Inc}$ | Twice.<br>(Incumbent transmission is contained within $BW_{EUT}$ ) | Closely to the lower edge and upper edge of the EUT Channel                |
| $BW_{EUT} > 4 \times BW_{Inc}$                        | Three times                                                        | Closely to the lower edge ,in the middle and upper edge of the EUT Channel |

- Using an AWGN signal source, generate (but do not transmit, i.e., RF OFF) a 10 MHz-wide AWGN signal. Use step c table to determine the center frequency of the 10 MHz AWGN signal relative to the EUT's channel bandwidth and center frequency.
- Set the AWGN signal power to an extremely low level (more than 20 dB below the -62 dBm threshold). Connect the AWGN signal source, via a 3-dB splitter, to the signal analyzer 1 and the EUT.
- Transmit the AWGN signal (RF ON) and verify its characteristics on the signal analyzer 1.
- Monitor the signal analyzer 2 to verify if the AWGN signal has been detected and the EUT has ceased transmission. If the EUT continues to transmit, then incrementally increase the AWGN signal power level until the EUT stops transmitting.
- (Including all losses in the RF paths) Determine and record the AWGN signal power level (at the EUT's antenna port) at which the EUT ceased transmission. Repeat the procedure at least 10 times to verify the EUT can detect an AWGN signal with 90% (or better) level of certainty.
- Refer to step c table to determine number of times the detection threshold testing needs to be repeated. If testing is required more than once, then go back to step d, choose a different center frequency for the AWGN signal and repeat the process.

## 6.8 AC Power Conducted Emissions

### 6.8.1 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).

### 6.8.2 Test Procedure

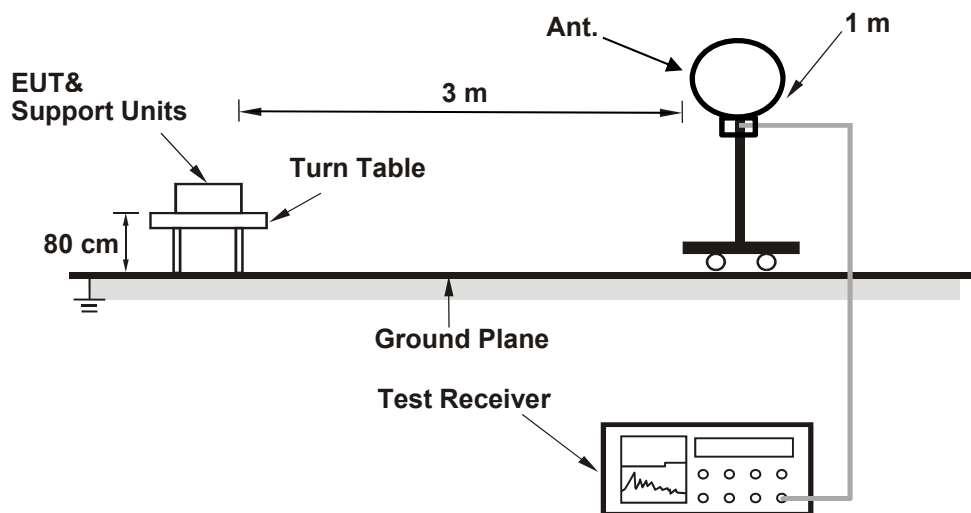
- The EUT was placed on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50 uH of coupling impedance for the measuring instrument.
- Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- 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.

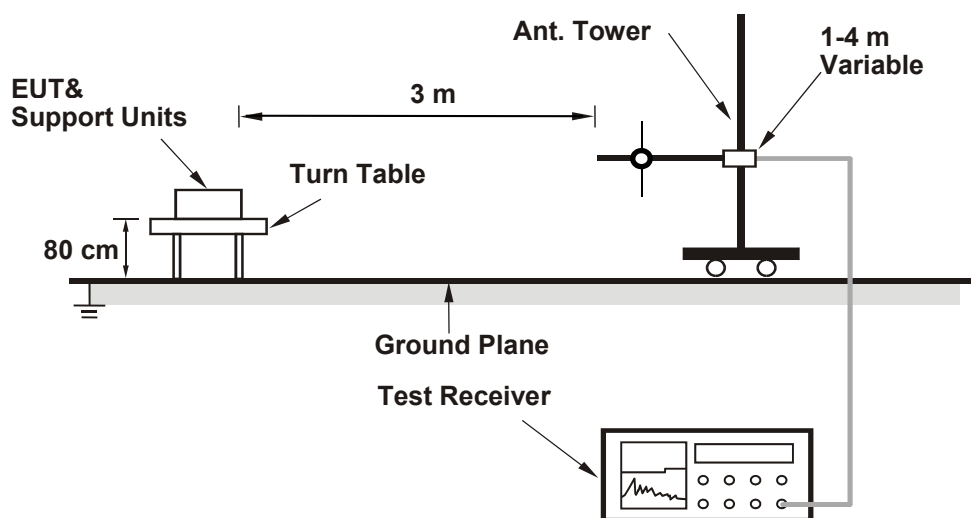
## 6.9 Unwanted Emissions below 1 GHz

### 6.9.1 Test Setup

#### For Radiated emission below 30 MHz



#### For Radiated emission above 30 MHz



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

## 6.9.2 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, except for the frequency band (9 kHz to 90 kHz and 110 kHz to 490 kHz) set to average detect function and peak detect function.

#### Notes:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 200 Hz at The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 200 Hz at frequency below 150 kHz.
2. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9 kHz or 10 kHz at frequency (150 kHz to 30 MHz).
3. All modes of operation were investigated and the worst-case emissions are reported.

### For Radiated emission above 30 MHz

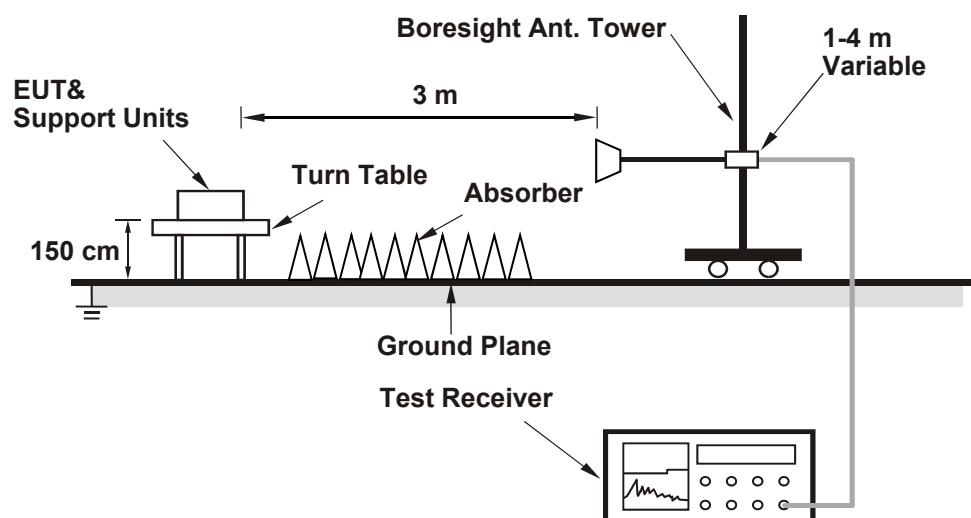
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the 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.

## 6.10 Unwanted Emissions above 1 GHz

### 6.10.1 Test Setup



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

### 6.10.2 Test Procedure

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

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

## 7 Test Results of Test Item

### 7.1 Maximum RF Output Power

|              |                |                           |              |            |           |
|--------------|----------------|---------------------------|--------------|------------|-----------|
| Input Power: | 120 Vac, 60 Hz | Environmental Conditions: | 25°C, 76% RH | Tested By: | Dalen Dai |
|--------------|----------------|---------------------------|--------------|------------|-----------|

#### 802.11ax (HE20)

| Chan. | Chan. Freq. (MHz) | Average Power (dBm) |         | Total Power (mW) | Total Power (dBm) | Maximum Gain (dBi) | EIRP (mW) | EIRP (dBm) | EIRP Limit (dBm) | Test Result |
|-------|-------------------|---------------------|---------|------------------|-------------------|--------------------|-----------|------------|------------------|-------------|
|       |                   | Chain 0             | Chain 1 |                  |                   |                    |           |            |                  |             |
| 9     | 5995              | 8.31                | 8.32    | 13.568           | 11.33             | -0.80              | 11.285    | 10.53      | 24               | Pass        |
| 45    | 6175              | 8.36                | 8.38    | 13.741           | 11.38             | -0.80              | 11.429    | 10.58      | 24               | Pass        |
| 93    | 6415              | 8.31                | 8.35    | 13.616           | 11.34             | -0.80              | 11.325    | 10.54      | 24               | Pass        |
| 97    | 6435              | 8.51                | 8.51    | 14.192           | 11.52             | -1.50              | 10.047    | 10.02      | 24               | Pass        |
| 105   | 6475              | 8.47                | 8.49    | 14.094           | 11.49             | -1.50              | 9.978     | 9.99       | 24               | Pass        |
| 113   | 6515              | 8.43                | 8.49    | 14.029           | 11.47             | -1.50              | 9.932     | 9.97       | 24               | Pass        |
| 117   | 6535              | 8.75                | 8.75    | 14.998           | 11.76             | -1.20              | 11.377    | 10.56      | 24               | Pass        |
| 149   | 6695              | 8.72                | 8.78    | 14.998           | 11.76             | -1.20              | 11.377    | 10.56      | 24               | Pass        |
| 181   | 6855              | 8.73                | 8.78    | 15.015           | 11.77             | -1.20              | 11.39     | 10.57      | 24               | Pass        |
| 185   | 6875              | 8.76                | 8.73    | 14.981           | 11.76             | -1.20              | 11.364    | 10.56      | 24               | Pass        |
| 209   | 6995              | 8.29                | 9.26    | 15.179           | 11.81             | -2.60              | 8.341     | 9.21       | 24               | Pass        |
| 229   | 7095              | 8.28                | 9.32    | 15.28            | 11.84             | -2.60              | 8.397     | 9.24       | 24               | Pass        |

#### Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, the maximum gain is -0.8 dBi.
3. For U-NII-6, the maximum gain is -1.5 dBi.
4. For U-NII-7, the maximum gain is -1.2 dBi.
5. For U-NII-8, the maximum gain is -2.6 dBi.

### 802.11ax (HE40)

| Chan. | Chan. Freq. (MHz) | Average Power (dBm) |         | Total Power (mW) | Total Power (dBm) | Maximum Gain (dBi) | EIRP (mW) | EIRP (dBm) | EIRP Limit (dBm) | Test Result |
|-------|-------------------|---------------------|---------|------------------|-------------------|--------------------|-----------|------------|------------------|-------------|
|       |                   | Chain 0             | Chain 1 |                  |                   |                    |           |            |                  |             |
| 11    | 6005              | 10.90               | 10.91   | 24.634           | 13.92             | -0.80              | 20.49     | 13.12      | 24               | Pass        |
| 43    | 6165              | 10.92               | 10.93   | 24.747           | 13.94             | -0.80              | 20.584    | 13.14      | 24               | Pass        |
| 91    | 6405              | 10.92               | 11.05   | 25.095           | 14.00             | -0.80              | 20.873    | 13.2       | 24               | Pass        |
| 99    | 6445              | 11.99               | 11.99   | 31.625           | 15.00             | -1.50              | 22.389    | 13.5       | 24               | Pass        |
| 107   | 6485              | 11.91               | 11.96   | 31.227           | 14.95             | -1.50              | 22.107    | 13.45      | 24               | Pass        |
| 115   | 6525              | 11.92               | 11.92   | 31.119           | 14.93             | -1.20              | 23.606    | 13.73      | 24               | Pass        |
| 123   | 6565              | 11.32               | 12.11   | 29.807           | 14.74             | -1.20              | 22.611    | 13.54      | 24               | Pass        |
| 155   | 6725              | 11.35               | 12.19   | 30.204           | 14.80             | -1.20              | 22.912    | 13.6       | 24               | Pass        |
| 179   | 6845              | 11.35               | 12.19   | 30.204           | 14.80             | -1.20              | 22.912    | 13.6       | 24               | Pass        |
| 187   | 6885              | 11.36               | 12.12   | 29.97            | 14.77             | -2.60              | 16.47     | 12.17      | 24               | Pass        |
| 211   | 7005              | 11.23               | 12.29   | 30.217           | 14.80             | -2.60              | 16.605    | 12.2       | 24               | Pass        |
| 227   | 7085              | 11.22               | 12.25   | 30.031           | 14.78             | -2.60              | 16.503    | 12.18      | 24               | Pass        |

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, the maximum gain is -0.8 dBi.
3. For U-NII-6, the maximum gain is -1.5 dBi.
4. For U-NII-7, the maximum gain is -1.2 dBi.
5. For U-NII-8, the maximum gain is -2.6 dBi.

### 802.11ax (HE80)

| Chan. | Chan. Freq. (MHz) | Average Power (dBm) |         | Total Power (mW) | Total Power (dBm) | Maximum Gain (dBi) | EIRP (mW) | EIRP (dBm) | EIRP Limit (dBm) | Test Result |
|-------|-------------------|---------------------|---------|------------------|-------------------|--------------------|-----------|------------|------------------|-------------|
|       |                   | Chain 0             | Chain 1 |                  |                   |                    |           |            |                  |             |
| 23    | 6065              | 11.95               | 12.03   | 31.626           | 15.00             | -0.80              | 26.305    | 14.2       | 24               | Pass        |
| 39    | 6145              | 11.91               | 11.99   | 31.336           | 14.96             | -0.80              | 26.064    | 14.16      | 24               | Pass        |
| 87    | 6385              | 11.91               | 11.93   | 31.119           | 14.93             | -0.80              | 25.884    | 14.13      | 24               | Pass        |
| 103   | 6465              | 11.89               | 11.91   | 30.976           | 14.91             | -1.50              | 21.929    | 13.41      | 24               | Pass        |
| 119   | 6545              | 11.91               | 11.93   | 31.119           | 14.93             | -1.20              | 23.606    | 13.73      | 24               | Pass        |
| 151   | 6705              | 11.31               | 12.12   | 29.814           | 14.74             | -1.20              | 22.616    | 13.54      | 24               | Pass        |
| 183   | 6865              | 11.42               | 12.26   | 30.694           | 14.87             | -1.20              | 23.284    | 13.67      | 24               | Pass        |
| 199   | 6945              | 11.21               | 12.22   | 29.885           | 14.75             | -2.60              | 16.423    | 12.15      | 24               | Pass        |
| 215   | 7025              | 11.23               | 12.28   | 30.178           | 14.80             | -2.60              | 16.584    | 12.2       | 24               | Pass        |

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, the maximum gain is -0.8 dBi.
3. For U-NII-6, the maximum gain is -1.5 dBi.
4. For U-NII-7, the maximum gain is -1.2 dBi.
5. For U-NII-8, the maximum gain is -2.6 dBi.

### 802.11ax (HE160)

| Chan. | Chan. Freq. (MHz) | Average Power (dBm) |         | Total Power (mW) | Total Power (dBm) | Maximum Gain (dBi) | EIRP (mW) | EIRP (dBm) | EIRP Limit (dBm) | Test Result |
|-------|-------------------|---------------------|---------|------------------|-------------------|--------------------|-----------|------------|------------------|-------------|
|       |                   | Chain 0             | Chain 1 |                  |                   |                    |           |            |                  |             |
| 47    | 6185              | 12.05               | 12.07   | 32.139           | 15.07             | -0.80              | 26.732    | 14.27      | 24               | Pass        |
| 79    | 6345              | 12.08               | 12.19   | 32.701           | 15.15             | -0.80              | 27.200    | 14.35      | 24               | Pass        |
| 111   | 6505              | 12.06               | 12.18   | 32.589           | 15.13             | -1.50              | 23.071    | 13.63      | 24               | Pass        |
| 143   | 6665              | 11.43               | 12.28   | 30.804           | 14.89             | -1.20              | 23.367    | 13.69      | 24               | Pass        |
| 175   | 6825              | 11.56               | 12.31   | 31.343           | 14.96             | -1.20              | 23.776    | 13.76      | 24               | Pass        |
| 207   | 6985              | 11.39               | 12.43   | 31.271           | 14.95             | -2.60              | 17.185    | 12.35      | 24               | Pass        |

#### Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, the maximum gain is -0.8 dBi.
3. For U-NII-6, the maximum gain is -1.5 dBi.
4. For U-NII-7, the maximum gain is -1.2 dBi.
5. For U-NII-8, the maximum gain is -2.6 dBi.

### 802.11ax (HE20) 26-tone RU

| Chan. | Chan. Freq. (MHz) | Average Power (dBm) |         | Total Power (mW) | Total Power (dBm) | Maximum Gain (dBi) | EIRP (mW) | EIRP (dBm) | EIRP Limit (dBm) | Test Result |
|-------|-------------------|---------------------|---------|------------------|-------------------|--------------------|-----------|------------|------------------|-------------|
|       |                   | Chain 0             | Chain 1 |                  |                   |                    |           |            |                  |             |
| 9     | 5995              | -1.18               | -1.67   | 1.4428           | 1.59              | -0.80              | 1.2       | 0.79       | 24               | Pass        |
| 93    | 6415              | -1.14               | -1.70   | 1.4452           | 1.60              | -0.80              | 1.202     | 0.8        | 24               | Pass        |
| 97    | 6435              | -0.59               | -1.12   | 1.6457           | 2.16              | -1.50              | 1.165     | 0.66       | 24               | Pass        |
| 113   | 6515              | -0.61               | -1.14   | 1.6381           | 2.14              | -1.50              | 1.16      | 0.64       | 24               | Pass        |
| 117   | 6535              | -1.36               | -1.81   | 1.3903           | 1.43              | -1.20              | 1.055     | 0.23       | 24               | Pass        |
| 185   | 6875              | -1.33               | -1.85   | 1.3893           | 1.43              | -1.20              | 1.054     | 0.23       | 24               | Pass        |
| 209   | 6995              | 0.53                | 0.06    | 2.144            | 3.31              | -2.60              | 1.178     | 0.71       | 24               | Pass        |
| 229   | 7095              | 0.51                | 0.02    | 2.129            | 3.28              | -2.60              | 1.17      | 0.68       | 24               | Pass        |

#### Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, the maximum gain is -0.8 dBi.
3. For U-NII-6, the maximum gain is -1.5 dBi.
4. For U-NII-7, the maximum gain is -1.2 dBi.
5. For U-NII-8, the maximum gain is -2.6 dBi.

### 802.11ax (HE20) 52-tone RU

| Chan. | Chan. Freq. (MHz) | Average Power (dBm) |         | Total Power (mW) | Total Power (dBm) | Maximum Gain (dBi) | EIRP (mW) | EIRP (dBm) | EIRP Limit (dBm) | Test Result |
|-------|-------------------|---------------------|---------|------------------|-------------------|--------------------|-----------|------------|------------------|-------------|
|       |                   | Chain 0             | Chain 1 |                  |                   |                    |           |            |                  |             |
| 9     | 5995              | 1.78                | 1.29    | 2.852            | 4.55              | -0.80              | 2.372     | 3.75       | 24               | Pass        |
| 93    | 6415              | 1.81                | 1.27    | 2.857            | 4.56              | -0.80              | 2.376     | 3.76       | 24               | Pass        |
| 97    | 6435              | 2.29                | 1.80    | 3.208            | 5.06              | -1.50              | 2.271     | 3.56       | 24               | Pass        |
| 113   | 6515              | 2.20                | 1.67    | 3.129            | 4.95              | -1.50              | 2.215     | 3.45       | 24               | Pass        |
| 117   | 6535              | 1.64                | 1.18    | 2.771            | 4.43              | -1.20              | 2.102     | 3.23       | 24               | Pass        |
| 185   | 6875              | 1.57                | 1.06    | 2.712            | 4.33              | -1.20              | 2.057     | 3.13       | 24               | Pass        |
| 209   | 6995              | 3.48                | 3.01    | 4.228            | 6.26              | -2.60              | 2.323     | 3.66       | 24               | Pass        |
| 229   | 7095              | 3.51                | 3.04    | 4.258            | 6.29              | -2.60              | 2.34      | 3.69       | 24               | Pass        |

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, the maximum gain is -0.8 dBi.
3. For U-NII-6, the maximum gain is -1.5 dBi.
4. For U-NII-7, the maximum gain is -1.2 dBi.
5. For U-NII-8, the maximum gain is -2.6 dBi.

### 802.11ax (HE20) 106-tone RU

| Chan. | Chan. Freq. (MHz) | Average Power (dBm) |         | Total Power (mW) | Total Power (dBm) | Maximum Gain (dBi) | EIRP (mW) | EIRP (dBm) | EIRP Limit (dBm) | Test Result |
|-------|-------------------|---------------------|---------|------------------|-------------------|--------------------|-----------|------------|------------------|-------------|
|       |                   | Chain 0             | Chain 1 |                  |                   |                    |           |            |                  |             |
| 9     | 5995              | 4.46                | 3.92    | 5.259            | 7.21              | -0.80              | 4.374     | 6.41       | 24               | Pass        |
| 93    | 6415              | 4.51                | 3.99    | 5.331            | 7.27              | -0.80              | 4.434     | 6.47       | 24               | Pass        |
| 97    | 6435              | 5.23                | 4.62    | 6.232            | 7.95              | -1.50              | 4.412     | 6.45       | 24               | Pass        |
| 113   | 6515              | 5.11                | 4.58    | 6.114            | 7.86              | -1.50              | 4.328     | 6.36       | 24               | Pass        |
| 117   | 6535              | 4.69                | 4.13    | 5.533            | 7.43              | -1.20              | 4.197     | 6.23       | 24               | Pass        |
| 185   | 6875              | 4.71                | 4.22    | 5.6              | 7.48              | -1.20              | 4.248     | 6.28       | 24               | Pass        |
| 209   | 6995              | 6.05                | 5.57    | 7.633            | 8.83              | -2.60              | 4.195     | 6.23       | 24               | Pass        |
| 229   | 7095              | 6.03                | 5.54    | 7.59             | 8.80              | -2.60              | 4.171     | 6.2        | 24               | Pass        |

Notes:

1. Directional gain is the maximum gain of antennas.
2. For U-NII-5, the maximum gain is -0.8 dBi.
3. For U-NII-6, the maximum gain is -1.5 dBi.
4. For U-NII-7, the maximum gain is -1.2 dBi.
5. For U-NII-8, the maximum gain is -2.6 dBi.

## 7.2 Maximum Power Spectral Density

|              |                |                           |              |            |           |
|--------------|----------------|---------------------------|--------------|------------|-----------|
| Input Power: | 120 Vac, 60 Hz | Environmental Conditions: | 25°C, 76% RH | Tested By: | Dalen Dai |
|--------------|----------------|---------------------------|--------------|------------|-----------|

### 802.11ax (HE20)

| Chan. | Chan. Freq. (MHz) | PSD (dBm/MHz) |         | Total PSD (dBm/MHz) | Directional Gain (dBi) | EIRP PSD (dBm/MHz) | EIRP PSD Limit (dBm/MHz) | Test Result |
|-------|-------------------|---------------|---------|---------------------|------------------------|--------------------|--------------------------|-------------|
|       |                   | Chain 0       | Chain 1 |                     |                        |                    |                          |             |
| 9     | 5995              | -6.00         | -6.51   | -3.24               | 2.11                   | -1.13              | -1                       | Pass        |
| 45    | 6175              | -5.99         | -6.58   | -3.26               | 2.11                   | -1.15              | -1                       | Pass        |
| 93    | 6415              | -5.97         | -6.50   | -3.22               | 2.11                   | -1.11              | -1                       | Pass        |
| 97    | 6435              | -5.33         | -5.76   | -2.53               | 1.36                   | -1.17              | -1                       | Pass        |
| 105   | 6475              | -5.30         | -5.78   | -2.52               | 1.36                   | -1.16              | -1                       | Pass        |
| 113   | 6515              | -5.28         | -5.82   | -2.53               | 1.36                   | -1.17              | -1                       | Pass        |
| 117   | 6535              | -5.68         | -6.32   | -2.98               | 1.76                   | -1.22              | -1                       | Pass        |
| 149   | 6695              | -5.72         | -6.19   | -2.94               | 1.76                   | -1.18              | -1                       | Pass        |
| 181   | 6855              | -5.82         | -6.24   | -3.01               | 1.76                   | -1.25              | -1                       | Pass        |
| 185   | 6875              | -5.73         | -6.23   | -2.96               | 1.76                   | -1.2               | -1                       | Pass        |
| 209   | 6995              | -4.29         | -4.71   | -1.48               | 0.36                   | -1.12              | -1                       | Pass        |
| 229   | 7095              | -4.27         | -4.73   | -1.48               | 0.36                   | -1.12              | -1                       | 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 =  $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-5, The directional gain is 2.11 dBi.
4. For U-NII-6, The directional gain is 1.36 dBi.
5. For U-NII-7, The directional gain is 1.76 dBi.
6. For U-NII-8, The directional gain is 0.36 dBi.

## 802.11ax (HE40)

| Chan. | Chan. Freq. (MHz) | PSD (dBm/MHz) |         | Total PSD (dBm/MHz) | Directional Gain (dBi) | EIRP PSD (dBm/MHz) | EIRP PSD Limit (dBm/MHz) | Test Result |
|-------|-------------------|---------------|---------|---------------------|------------------------|--------------------|--------------------------|-------------|
|       |                   | Chain 0       | Chain 1 |                     |                        |                    |                          |             |
| 11    | 6005              | -6.16         | -6.52   | -3.33               | 2.11                   | -1.22              | -1                       | Pass        |
| 43    | 6165              | -5.98         | -6.54   | -3.24               | 2.11                   | -1.13              | -1                       | Pass        |
| 91    | 6405              | -5.99         | -6.49   | -3.22               | 2.11                   | -1.11              | -1                       | Pass        |
| 99    | 6445              | -5.30         | -5.77   | -2.52               | 1.36                   | -1.16              | -1                       | Pass        |
| 107   | 6485              | -5.32         | -5.80   | -2.54               | 1.36                   | -1.18              | -1                       | Pass        |
| 115   | 6525              | -5.66         | -6.14   | -2.88               | 1.76                   | -1.12              | -1                       | Pass        |
| 123   | 6565              | -5.69         | -6.26   | -2.96               | 1.76                   | -1.2               | -1                       | Pass        |
| 155   | 6725              | -5.74         | -6.28   | -2.99               | 1.76                   | -1.23              | -1                       | Pass        |
| 179   | 6845              | -5.71         | -6.25   | -2.96               | 1.76                   | -1.2               | -1                       | Pass        |
| 187   | 6885              | -5.73         | -6.25   | -2.97               | 0.36                   | -2.61              | -1                       | Pass        |
| 211   | 7005              | -4.26         | -4.71   | -1.47               | 0.36                   | -1.11              | -1                       | Pass        |
| 227   | 7085              | -4.27         | -4.86   | -1.54               | 0.36                   | -1.18              | -1                       | 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 =  $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-5, The directional gain is 2.11 dBi.
4. For U-NII-6, The directional gain is 1.36 dBi.
5. For U-NII-7, The directional gain is 1.76 dBi.
6. For U-NII-8, The directional gain is 0.36 dBi.

### 802.11ax (HE80)

| Chan. | Chan. Freq. (MHz) | PSD (dBm/MHz) |         | Total PSD (dBm/MHz) | Directional Gain (dBi) | EIRP PSD (dBm/MHz) | EIRP PSD Limit (dBm/MHz) | Test Result |
|-------|-------------------|---------------|---------|---------------------|------------------------|--------------------|--------------------------|-------------|
|       |                   | Chain 0       | Chain 1 |                     |                        |                    |                          |             |
| 23    | 6065              | -7.60         | -7.53   | -4.55               | 2.11                   | -2.44              | -1                       | Pass        |
| 39    | 6145              | -7.66         | -7.56   | -4.60               | 2.11                   | -2.49              | -1                       | Pass        |
| 87    | 6385              | -7.63         | -7.64   | -4.62               | 2.11                   | -2.51              | -1                       | Pass        |
| 103   | 6465              | -7.72         | -7.64   | -4.67               | 1.36                   | -3.31              | -1                       | Pass        |
| 119   | 6545              | -7.63         | -7.62   | -4.61               | 1.76                   | -2.85              | -1                       | Pass        |
| 151   | 6705              | -8.10         | -7.38   | -4.71               | 1.76                   | -2.95              | -1                       | Pass        |
| 183   | 6865              | -8.16         | -7.27   | -4.68               | 1.76                   | -2.92              | -1                       | Pass        |
| 199   | 6945              | -8.39         | -7.34   | -4.82               | 0.36                   | -4.46              | -1                       | Pass        |
| 215   | 7025              | -8.40         | -7.25   | -4.78               | 0.36                   | -4.42              | -1                       | 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 =  $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-5, The directional gain is 2.11 dBi.
4. For U-NII-6, The directional gain is 1.36 dBi.
5. For U-NII-7, The directional gain is 1.76 dBi.
6. For U-NII-8, The directional gain is 0.36 dBi.

### 802.11ax (HE160)

| Chan. | Chan. Freq. (MHz) | PSD (dBm/MHz) |         | Total PSD (dBm/MHz) | Directional Gain (dBi) | EIRP PSD (dBm/MHz) | EIRP PSD Limit (dBm/MHz) | Test Result |
|-------|-------------------|---------------|---------|---------------------|------------------------|--------------------|--------------------------|-------------|
|       |                   | Chain 0       | Chain 1 |                     |                        |                    |                          |             |
| 47    | 6185              | -10.53        | -10.50  | -7.50               | 2.11                   | -5.39              | -1                       | Pass        |
| 79    | 6345              | -10.55        | -10.42  | -7.47               | 2.11                   | -5.36              | -1                       | Pass        |
| 111   | 6505              | -10.45        | -10.38  | -7.40               | 1.36                   | -6.04              | -1                       | Pass        |
| 143   | 6665              | -10.94        | -10.24  | -7.57               | 1.76                   | -5.81              | -1                       | Pass        |
| 175   | 6825              | -10.80        | -10.21  | -7.48               | 1.76                   | -5.72              | -1                       | Pass        |
| 207   | 6985              | -11.13        | -10.20  | -7.63               | 0.36                   | -7.27              | -1                       | 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 =  $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-5, The directional gain is 2.11 dBi.
4. For U-NII-6, The directional gain is 1.36 dBi.
5. For U-NII-7, The directional gain is 1.76 dBi.
6. For U-NII-8, The directional gain is 0.36 dBi.

### 802.11ax (HE20) 26-tone RU

| Chan. | Chan. Freq. (MHz) | PSD (dBm/MHz) |         | Total PSD (dBm/MHz) | Directional Gain (dBi) | EIRP PSD (dBm/MHz) | EIRP PSD Limit (dBm/MHz) | Test Result |
|-------|-------------------|---------------|---------|---------------------|------------------------|--------------------|--------------------------|-------------|
|       |                   | Chain 0       | Chain 1 |                     |                        |                    |                          |             |
| 9     | 5995              | -6.06         | -6.62   | -3.32               | 2.11                   | -1.21              | -1                       | Pass        |
| 93    | 6415              | -6.09         | -6.60   | -3.33               | 2.11                   | -1.22              | -1                       | Pass        |
| 97    | 6435              | -5.37         | -5.78   | -2.56               | 1.36                   | -1.2               | -1                       | Pass        |
| 113   | 6515              | -5.35         | -5.79   | -2.55               | 1.36                   | -1.19              | -1                       | Pass        |
| 117   | 6535              | -5.89         | -6.34   | -3.10               | 1.76                   | -1.34              | -1                       | Pass        |
| 185   | 6875              | -5.83         | -6.32   | -3.06               | 1.76                   | -1.3               | -1                       | Pass        |
| 209   | 6995              | -4.32         | -4.89   | -1.59               | 0.36                   | -1.23              | -1                       | Pass        |
| 229   | 7095              | -4.37         | -4.73   | -1.54               | 0.36                   | -1.18              | -1                       | 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 =  $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-5, The directional gain is 2.11 dBi.
4. For U-NII-6, The directional gain is 1.36 dBi.
5. For U-NII-7, The directional gain is 1.76 dBi.
6. For U-NII-8, The directional gain is 0.36 dBi.

### 802.11ax (HE20) 52-tone RU

| Chan. | Chan. Freq. (MHz) | PSD (dBm/MHz) |         | Total PSD (dBm/MHz) | Directional Gain (dBi) | EIRP PSD (dBm/MHz) | EIRP PSD Limit (dBm/MHz) | Test Result |
|-------|-------------------|---------------|---------|---------------------|------------------------|--------------------|--------------------------|-------------|
|       |                   | Chain 0       | Chain 1 |                     |                        |                    |                          |             |
| 9     | 5995              | -6.09         | -6.58   | -3.32               | 2.11                   | -1.21              | -1                       | Pass        |
| 93    | 6415              | -6.06         | -6.60   | -3.31               | 2.11                   | -1.2               | -1                       | Pass        |
| 97    | 6435              | -5.41         | -5.92   | -2.65               | 1.36                   | -1.29              | -1                       | Pass        |
| 113   | 6515              | -5.43         | -5.91   | -2.65               | 1.36                   | -1.29              | -1                       | Pass        |
| 117   | 6535              | -5.89         | -6.34   | -3.10               | 1.76                   | -1.34              | -1                       | Pass        |
| 185   | 6875              | -5.85         | -6.31   | -3.06               | 1.76                   | -1.3               | -1                       | Pass        |
| 209   | 6995              | -4.39         | -4.83   | -1.59               | 0.36                   | -1.23              | -1                       | Pass        |
| 229   | 7095              | -4.31         | -4.77   | -1.52               | 0.36                   | -1.16              | -1                       | 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 =  $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-5, The directional gain is 2.11 dBi.
4. For U-NII-6, The directional gain is 1.36 dBi.
5. For U-NII-7, The directional gain is 1.76 dBi.
6. For U-NII-8, The directional gain is 0.36 dBi.

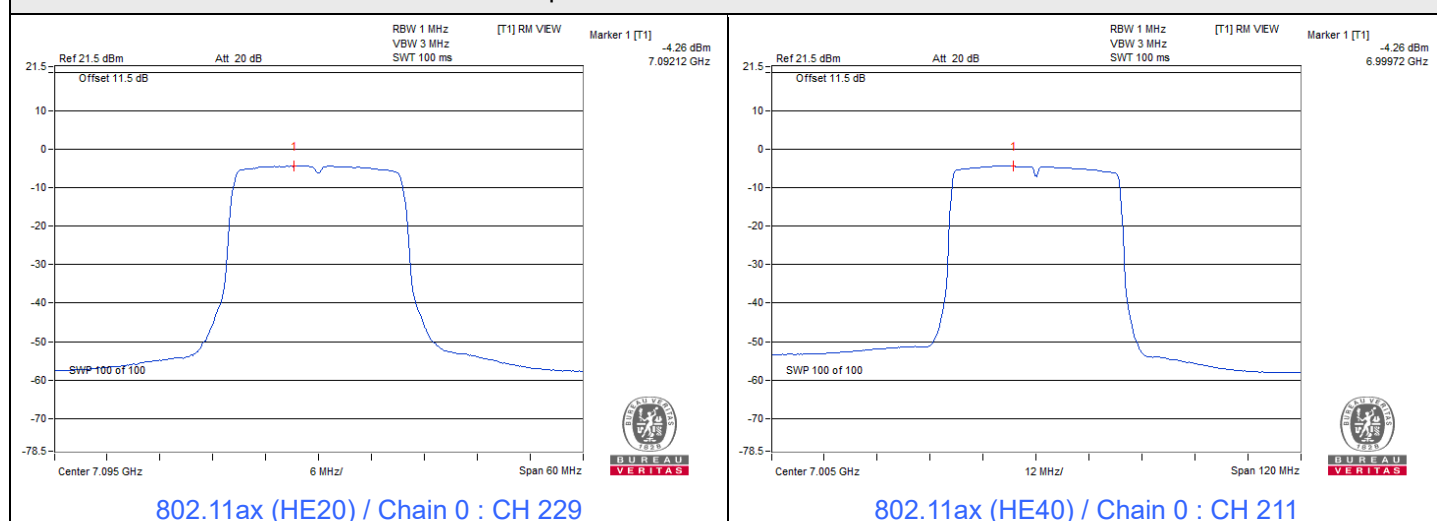
## 802.11ax (HE20) 106-tone RU

| Chan. | Chan. Freq. (MHz) | PSD (dBm/MHz) |         | Total PSD (dBm/MHz) | Directional Gain (dBi) | EIRP PSD (dBm/MHz) | EIRP PSD Limit (dBm/MHz) | Test Result |
|-------|-------------------|---------------|---------|---------------------|------------------------|--------------------|--------------------------|-------------|
|       |                   | Chain 0       | Chain 1 |                     |                        |                    |                          |             |
| 9     | 5995              | -6.25         | -6.72   | -3.47               | 2.11                   | -1.36              | -1                       | Pass        |
| 93    | 6415              | -6.02         | -6.65   | -3.31               | 2.11                   | -1.2               | -1                       | Pass        |
| 97    | 6435              | -5.42         | -5.88   | -2.63               | 1.36                   | -1.27              | -1                       | Pass        |
| 113   | 6515              | -5.40         | -5.84   | -2.60               | 1.36                   | -1.24              | -1                       | Pass        |
| 117   | 6535              | -5.80         | -6.30   | -3.03               | 1.76                   | -1.27              | -1                       | Pass        |
| 185   | 6875              | -5.89         | -6.26   | -3.06               | 1.76                   | -1.3               | -1                       | Pass        |
| 209   | 6995              | -4.32         | -4.81   | -1.55               | 0.36                   | -1.19              | -1                       | Pass        |
| 229   | 7095              | -4.44         | -4.79   | -1.60               | 0.36                   | -1.24              | -1                       | Pass        |

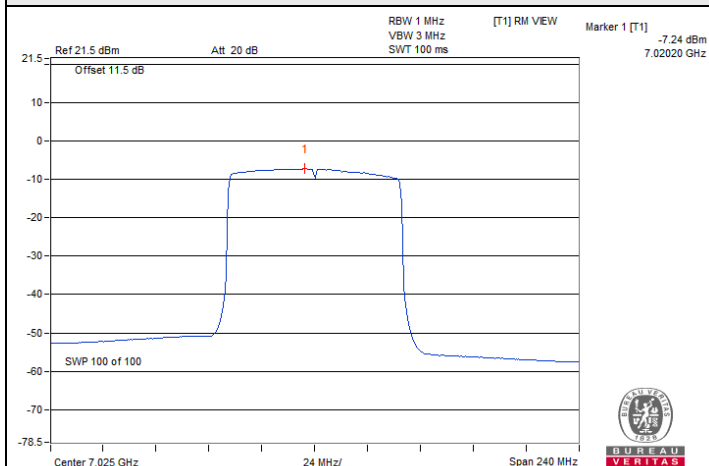
### Notes:

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 =  $10 \log[(10^{\text{Chain0}/20} + 10^{\text{Chain1}/20})^2 / 2]$
3. For U-NII-5, The directional gain is 2.11 dBi.
4. For U-NII-6, The directional gain is 1.36 dBi.
5. For U-NII-7, The directional gain is 1.76 dBi.
6. For U-NII-8, The directional gain is 0.36 dBi.

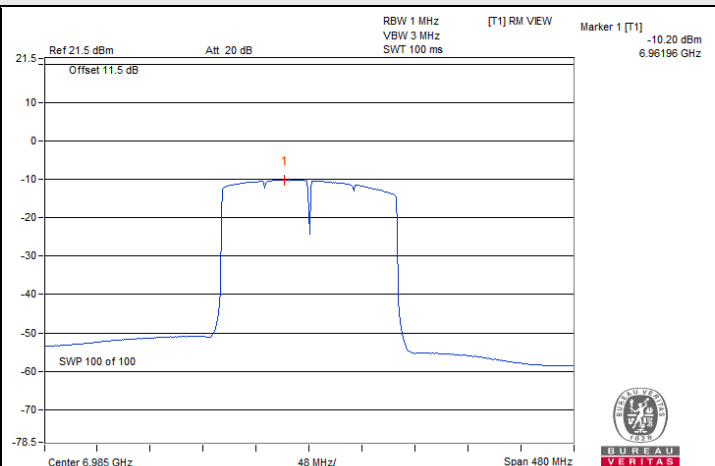
### Spectrum Plot of Maximum Value



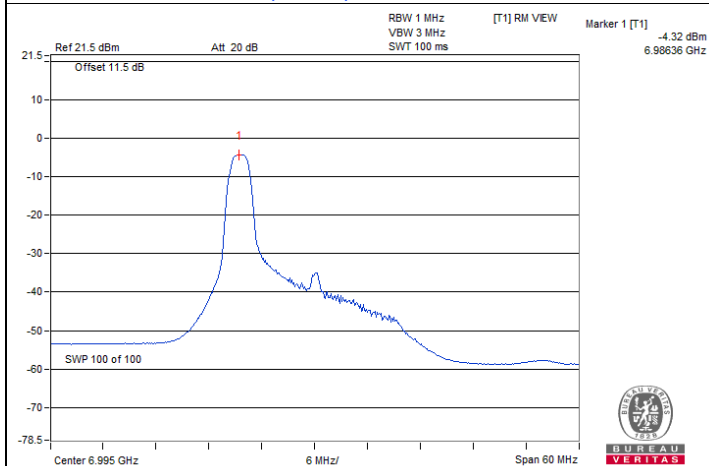
## Spectrum Plot of Maximum Value



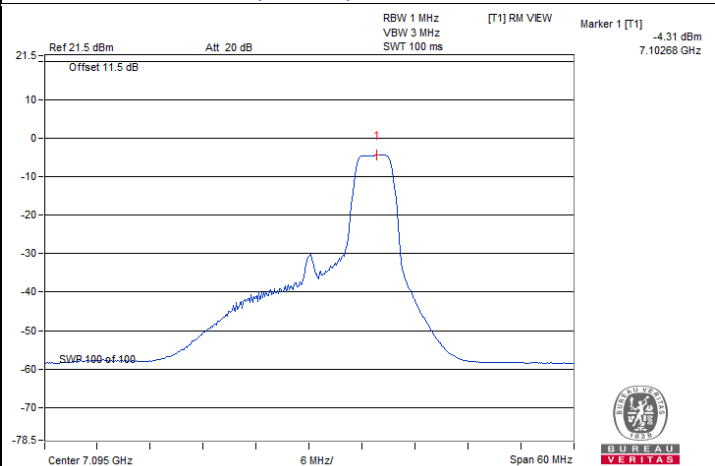
802.11ax (HE80) / Chain 1 : CH 215



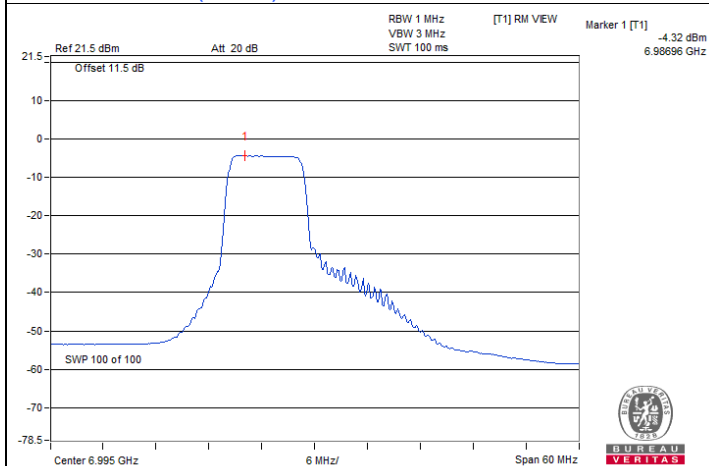
802.11ax (HE160) / Chain 1 : CH 207



802.11ax (HE20) 26-tone RU / Chain 0 : CH 209



802.11ax (HE20) 52-tone RU / Chain 0 : CH 229



802.11ax (HE20) 106-tone RU / Chain 0 : CH 209

### 7.3 Emission Bandwidth

|              |                |                           |              |            |           |
|--------------|----------------|---------------------------|--------------|------------|-----------|
| Input Power: | 120 Vac, 60 Hz | Environmental Conditions: | 25°C, 76% RH | Tested By: | Dalen Dai |
|--------------|----------------|---------------------------|--------------|------------|-----------|

#### 802.11ax (HE20)

| Channel | Frequency (MHz) | 26dB Bandwidth (MHz) |         | Maximum Limit (MHz) | Test Result |
|---------|-----------------|----------------------|---------|---------------------|-------------|
|         |                 | Chain 0              | Chain 1 |                     |             |
| 9       | 5995            | 21.44                | 21.52   | 320                 | Pass        |
| 45      | 6175            | 21.55                | 21.80   | 320                 | Pass        |
| 93      | 6415            | 21.58                | 21.56   | 320                 | Pass        |
| 97      | 6435            | 21.58                | 21.45   | 320                 | Pass        |
| 105     | 6475            | 21.47                | 21.69   | 320                 | Pass        |
| 113     | 6515            | 21.38                | 21.32   | 320                 | Pass        |
| 117     | 6535            | 21.69                | 21.51   | 320                 | Pass        |
| 149     | 6695            | 21.49                | 21.62   | 320                 | Pass        |
| 181     | 6855            | 21.58                | 21.79   | 320                 | Pass        |
| 185     | 6875            | 21.55                | 21.52   | 320                 | Pass        |
| 209     | 6995            | 21.27                | 21.42   | 320                 | Pass        |
| 229     | 7095            | 21.39                | 21.40   | 320                 | Pass        |

#### 802.11ax (HE40)

| Channel | Frequency (MHz) | 26dB Bandwidth (MHz) |         | Maximum Limit (MHz) | Test Result |
|---------|-----------------|----------------------|---------|---------------------|-------------|
|         |                 | Chain 0              | Chain 1 |                     |             |
| 11      | 6005            | 41.26                | 41.17   | 320                 | Pass        |
| 43      | 6165            | 41.11                | 41.02   | 320                 | Pass        |
| 91      | 6405            | 41.14                | 41.08   | 320                 | Pass        |
| 99      | 6445            | 41.21                | 41.09   | 320                 | Pass        |
| 107     | 6485            | 41.18                | 41.30   | 320                 | Pass        |
| 115     | 6525            | 41.25                | 41.04   | 320                 | Pass        |
| 123     | 6565            | 41.25                | 41.25   | 320                 | Pass        |
| 155     | 6725            | 41.12                | 41.31   | 320                 | Pass        |
| 179     | 6845            | 41.17                | 41.29   | 320                 | Pass        |
| 187     | 6885            | 41.10                | 41.34   | 320                 | Pass        |
| 211     | 7005            | 41.03                | 41.30   | 320                 | Pass        |
| 227     | 7085            | 41.11                | 40.90   | 320                 | Pass        |

### 802.11ax (HE80)

| Channel | Frequency (MHz) | 26dB Bandwidth (MHz) |         | Maximum Limit (MHz) | Test Result |
|---------|-----------------|----------------------|---------|---------------------|-------------|
|         |                 | Chain 0              | Chain 1 |                     |             |
| 23      | 6065            | 83.26                | 83.16   | 320                 | Pass        |
| 39      | 6145            | 83.30                | 83.75   | 320                 | Pass        |
| 87      | 6385            | 83.52                | 83.82   | 320                 | Pass        |
| 103     | 6465            | 83.46                | 83.75   | 320                 | Pass        |
| 119     | 6545            | 83.86                | 83.54   | 320                 | Pass        |
| 151     | 6705            | 83.56                | 83.22   | 320                 | Pass        |
| 183     | 6865            | 83.86                | 82.89   | 320                 | Pass        |
| 199     | 6945            | 83.05                | 83.48   | 320                 | Pass        |
| 215     | 7025            | 83.71                | 83.23   | 320                 | Pass        |

### 802.11ax (HE160)

| Channel | Frequency (MHz) | 26dB Bandwidth (MHz) |         | Maximum Limit (MHz) | Test Result |
|---------|-----------------|----------------------|---------|---------------------|-------------|
|         |                 | Chain 0              | Chain 1 |                     |             |
| 47      | 6185            | 167.57               | 166.90  | 320                 | Pass        |
| 79      | 6345            | 167.72               | 166.55  | 320                 | Pass        |
| 111     | 6505            | 167.14               | 167.41  | 320                 | Pass        |
| 143     | 6665            | 166.85               | 167.25  | 320                 | Pass        |
| 175     | 6825            | 167.07               | 167.27  | 320                 | Pass        |
| 207     | 6985            | 166.81               | 166.87  | 320                 | Pass        |

### 802.11ax (HE20) 26-tone RU

| Channel | Frequency (MHz) | 26dB Bandwidth (MHz) |         | Maximum Limit (MHz) | Test Result |
|---------|-----------------|----------------------|---------|---------------------|-------------|
|         |                 | Chain 0              | Chain 1 |                     |             |
| 9       | 5995            | 21.52                | 21.56   | 320                 | Pass        |
| 93      | 6415            | 21.11                | 21.13   | 320                 | Pass        |
| 97      | 6435            | 21.53                | 21.49   | 320                 | Pass        |
| 113     | 6515            | 21.36                | 21.13   | 320                 | Pass        |
| 117     | 6535            | 21.42                | 21.52   | 320                 | Pass        |
| 185     | 6875            | 20.99                | 21.14   | 320                 | Pass        |
| 209     | 6995            | 21.41                | 21.45   | 320                 | Pass        |
| 229     | 7095            | 21.09                | 20.91   | 320                 | Pass        |

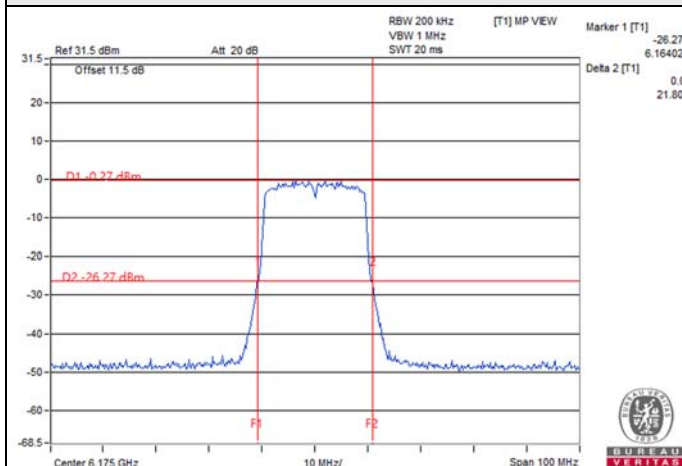
### 802.11ax (HE20) 52-tone RU

| Channel | Frequency (MHz) | 26dB Bandwidth (MHz) |         | Maximum Limit (MHz) | Test Result |
|---------|-----------------|----------------------|---------|---------------------|-------------|
|         |                 | Chain 0              | Chain 1 |                     |             |
| 9       | 5995            | 22.03                | 22.26   | 320                 | Pass        |
| 93      | 6415            | 22.03                | 21.38   | 320                 | Pass        |
| 97      | 6435            | 22.19                | 22.23   | 320                 | Pass        |
| 113     | 6515            | 21.31                | 21.45   | 320                 | Pass        |
| 117     | 6535            | 22.15                | 22.30   | 320                 | Pass        |
| 185     | 6875            | 21.46                | 21.44   | 320                 | Pass        |
| 209     | 6995            | 22.17                | 21.91   | 320                 | Pass        |
| 229     | 7095            | 21.12                | 21.18   | 320                 | Pass        |

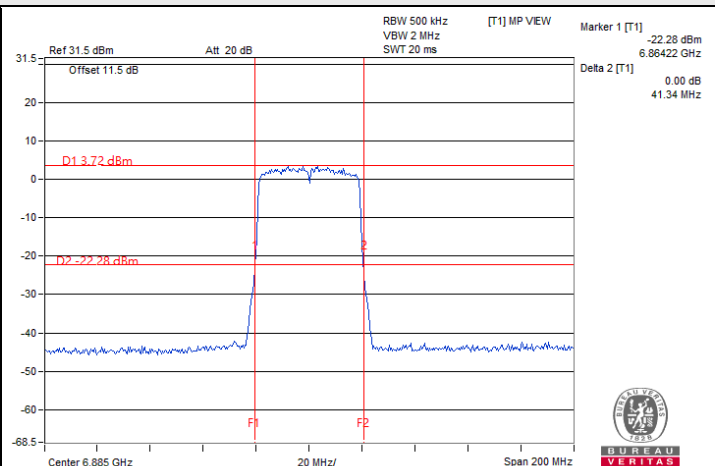
### 802.11ax (HE20) 106-tone RU

| Channel | Frequency (MHz) | 26dB Bandwidth (MHz) |         | Maximum Limit (MHz) | Test Result |
|---------|-----------------|----------------------|---------|---------------------|-------------|
|         |                 | Chain 0              | Chain 1 |                     |             |
| 9       | 5995            | 22.36                | 22.44   | 320                 | Pass        |
| 93      | 6415            | 22.33                | 22.13   | 320                 | Pass        |
| 97      | 6435            | 22.58                | 22.59   | 320                 | Pass        |
| 113     | 6515            | 22.21                | 22.13   | 320                 | Pass        |
| 117     | 6535            | 22.03                | 22.46   | 320                 | Pass        |
| 185     | 6875            | 22.21                | 22.17   | 320                 | Pass        |
| 209     | 6995            | 22.36                | 22.27   | 320                 | Pass        |
| 229     | 7095            | 22.19                | 21.85   | 320                 | Pass        |

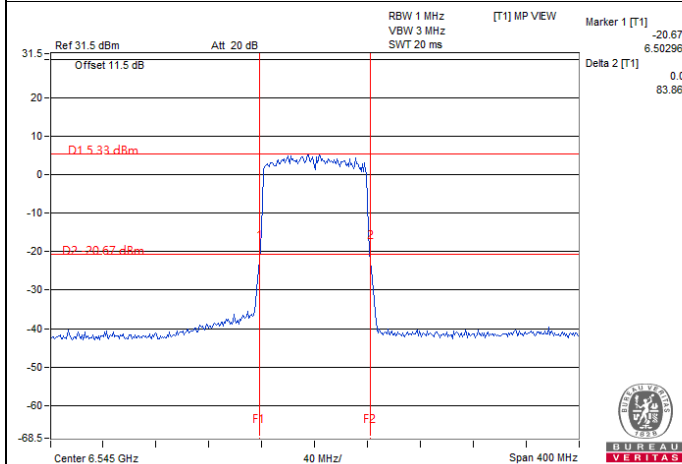
## Spectrum Plot of Maximum Value



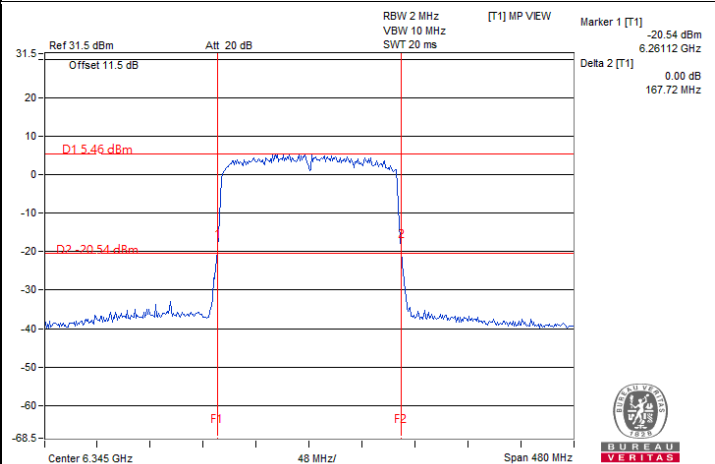
802.11ax (HE20) / Chain 1 : CH 45



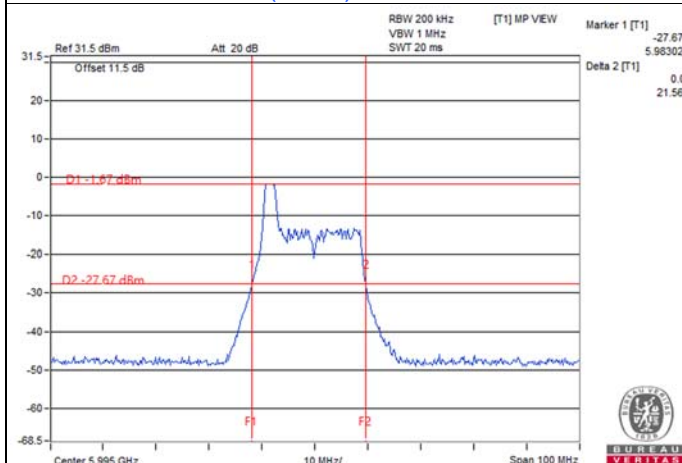
802.11ax (HE40) / Chain 1 : CH 187



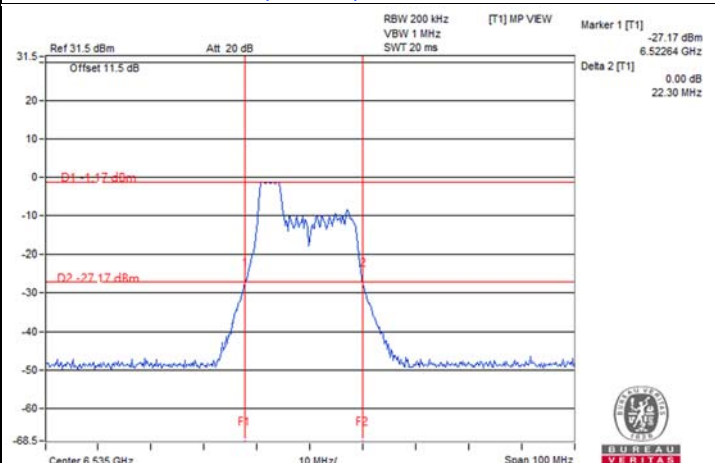
802.11ax (HE80) / Chain 0 : CH 119



802.11ax (HE160) / Chain 0 : CH 79

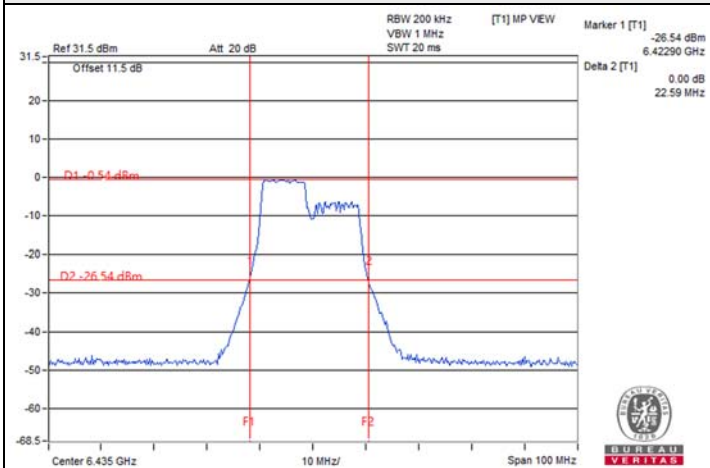


802.11ax (HE20) 26-tone RU / Chain 1 : CH 9



802.11ax (HE20) 52-tone RU / Chain 1 : CH 117

## Spectrum Plot of Maximum Value

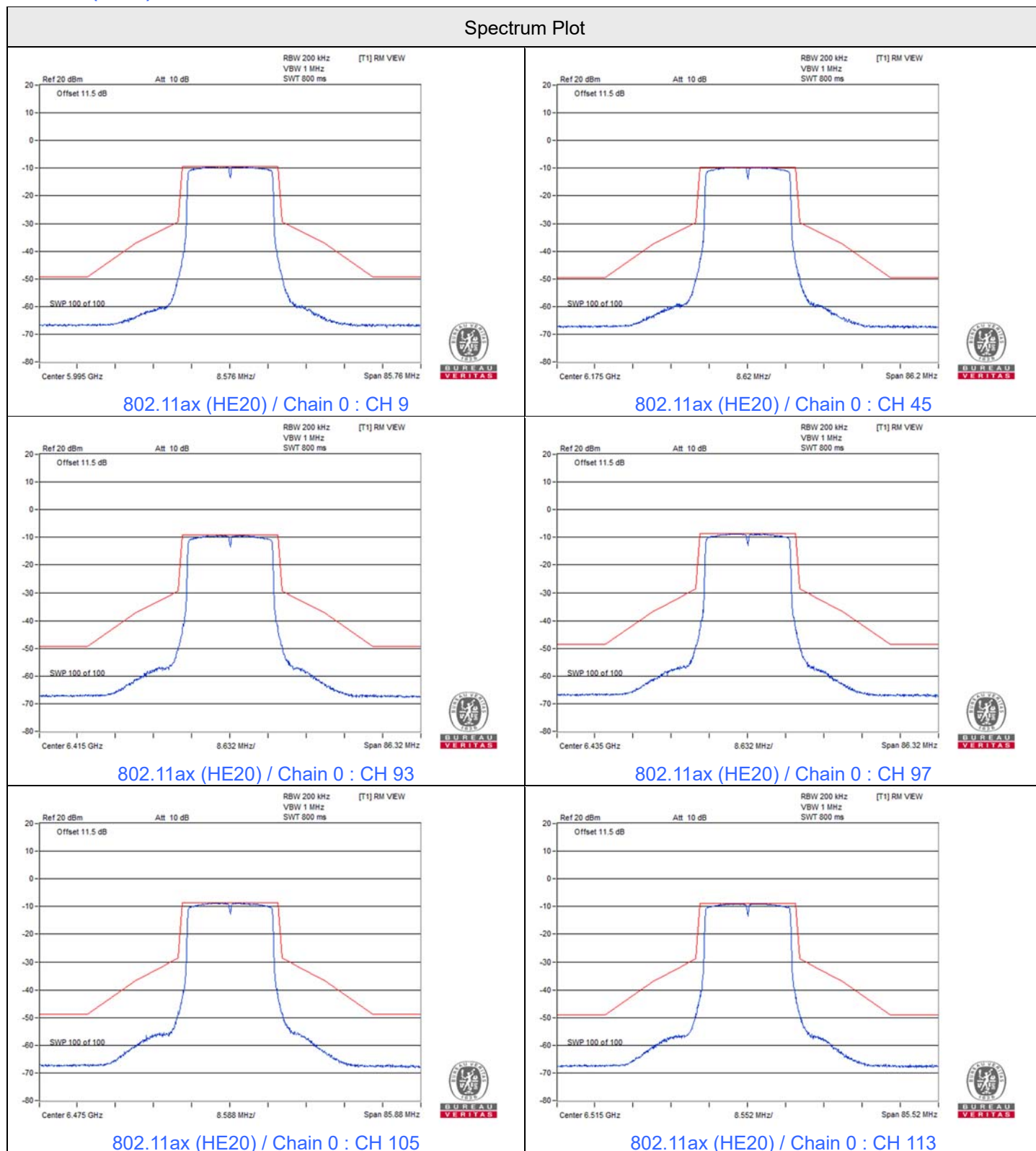


802.11ax (HE20) 106-tone RU / Chain 1 : CH 97

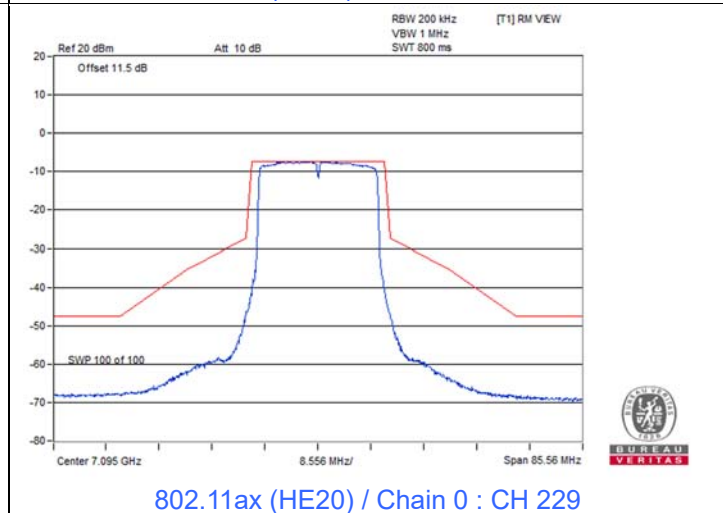
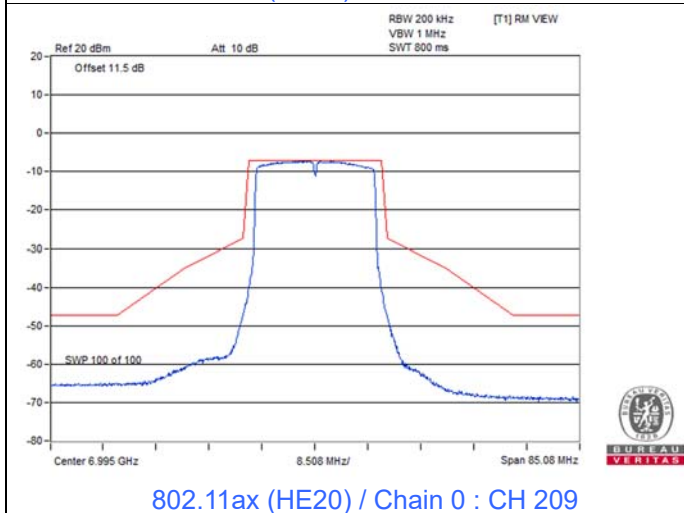
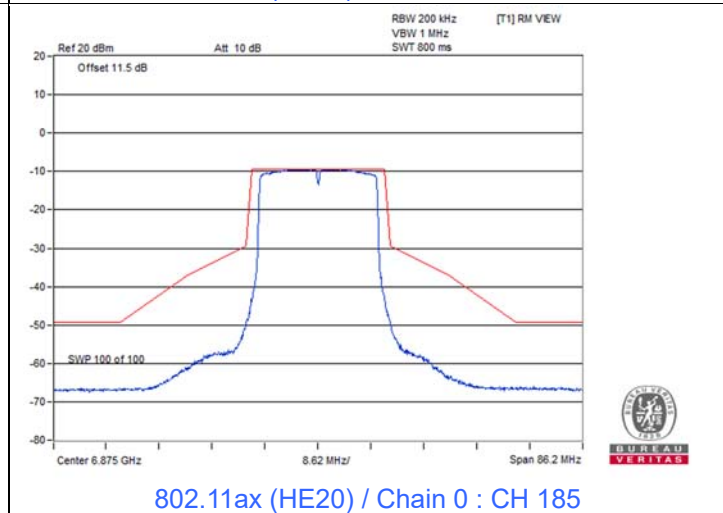
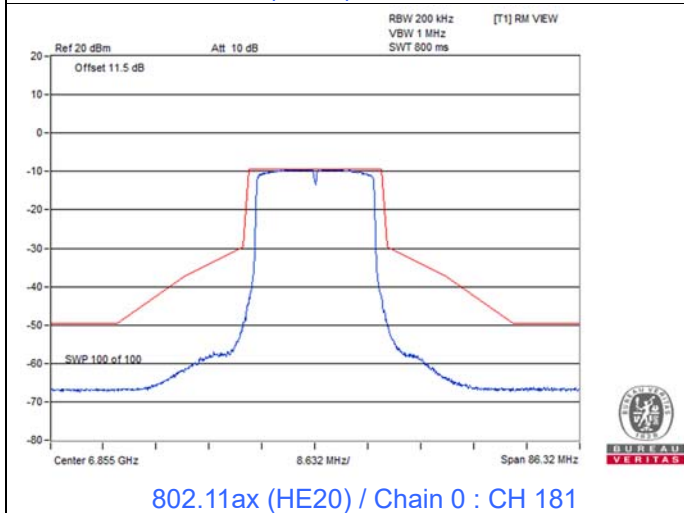
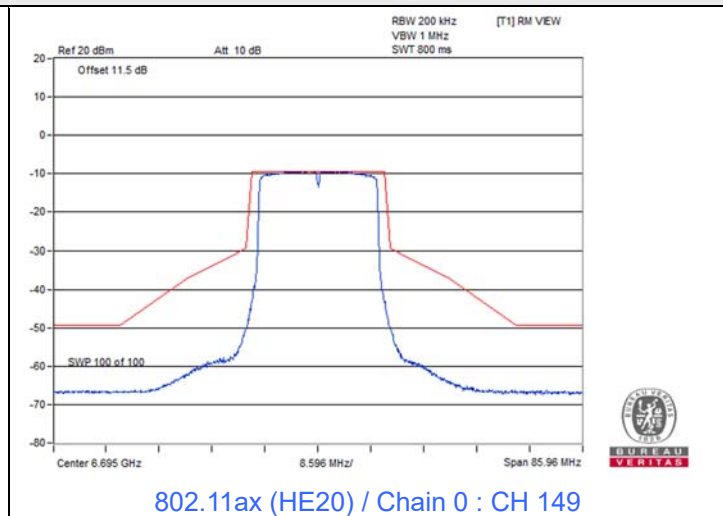
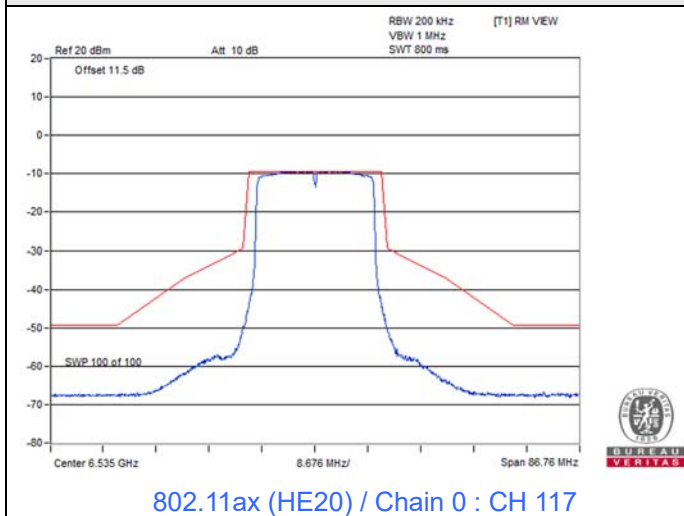
## 7.4 In-Band Emission Mask

|              |                |                           |              |            |           |
|--------------|----------------|---------------------------|--------------|------------|-----------|
| Input Power: | 120 Vac, 60 Hz | Environmental Conditions: | 25°C, 76% RH | Tested By: | Dalen Dai |
|--------------|----------------|---------------------------|--------------|------------|-----------|

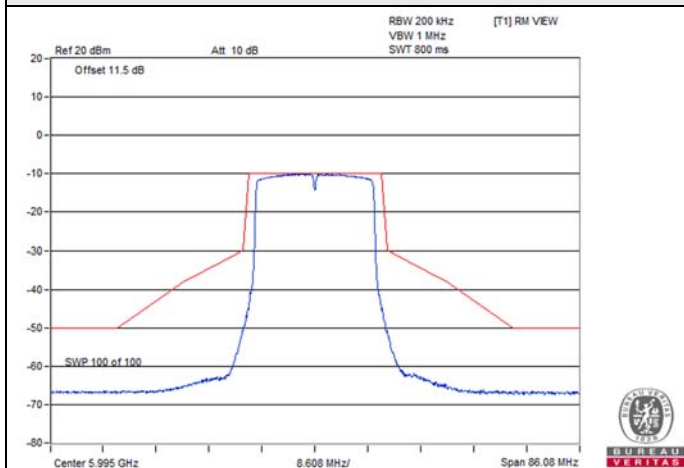
### 802.11ax (HE20)



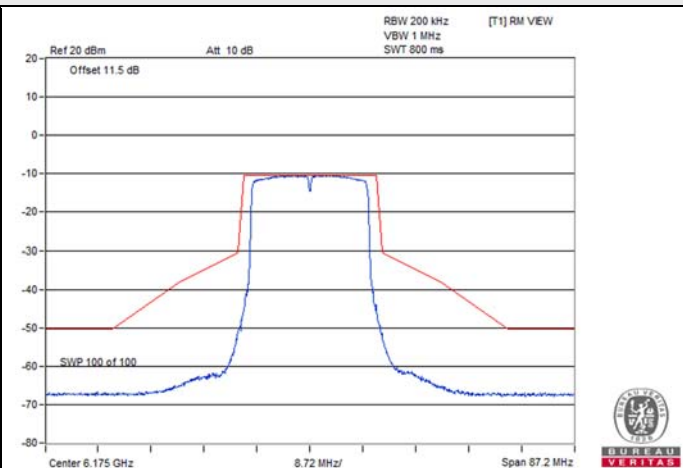
## Spectrum Plot



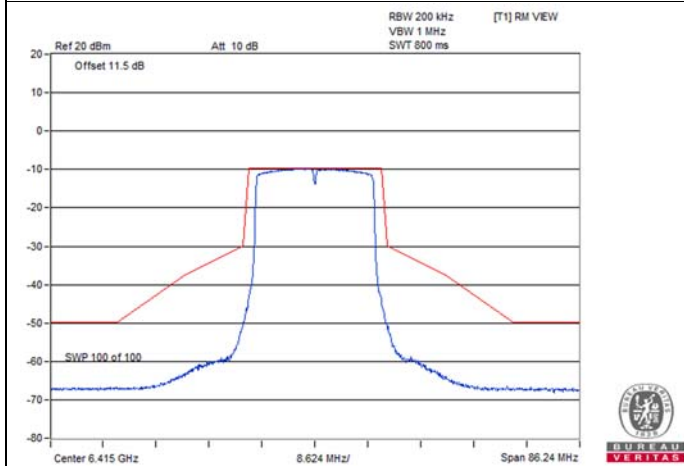
# Spectrum Plot



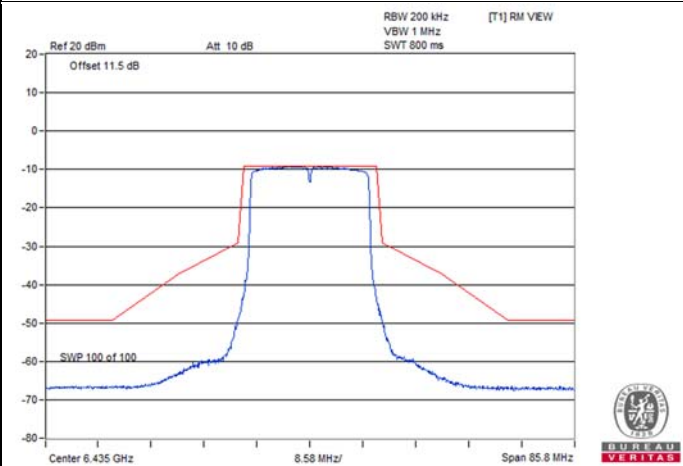
802.11ax (HE20) / Chain 1 : CH 9



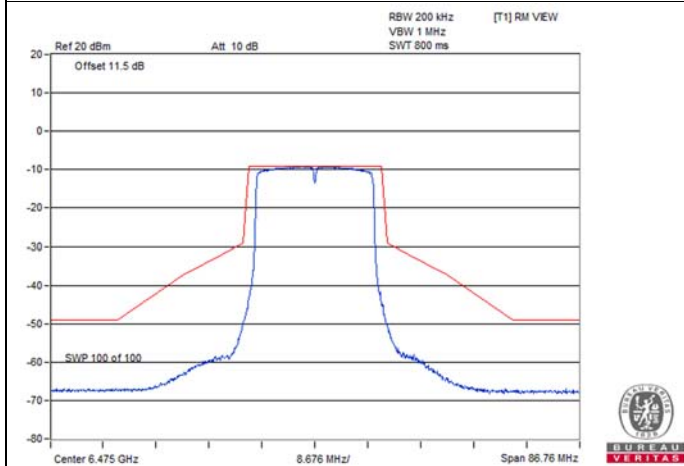
802.11ax (HE20) / Chain 1 : CH 45



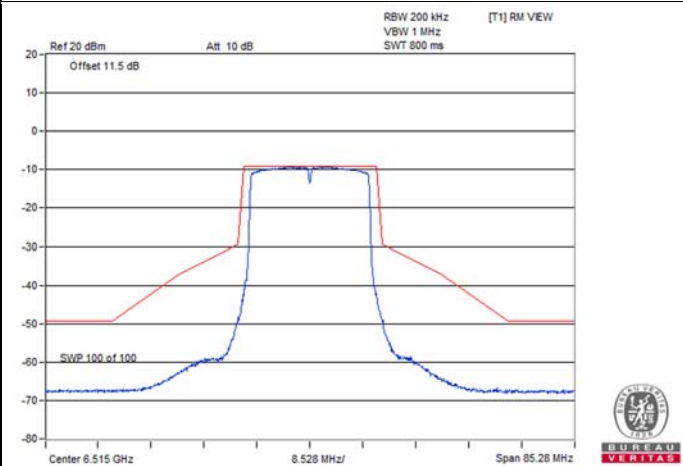
802.11ax (HE20) / Chain 1 : CH 93



802.11ax (HE20) / Chain 1 : CH 97

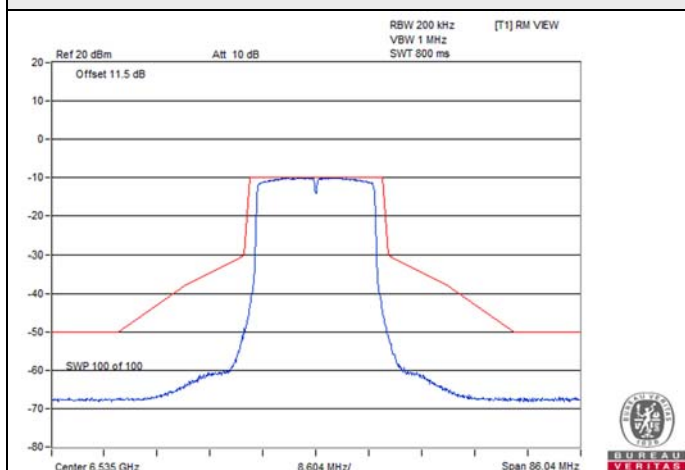


802.11ax (HE20) / Chain 1 : CH 105

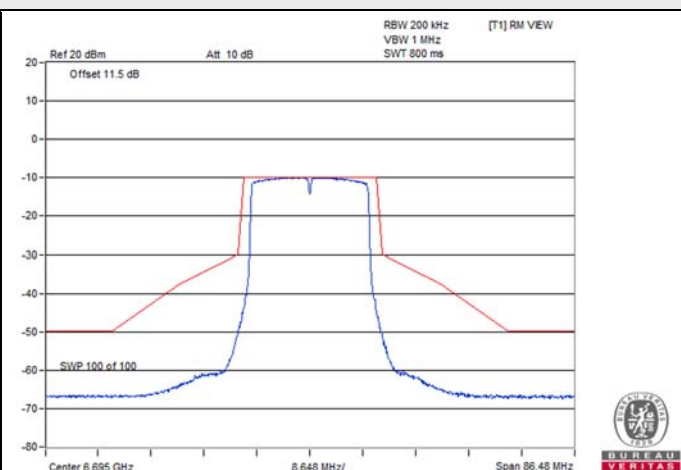


802.11ax (HE20) / Chain 1 : CH 113

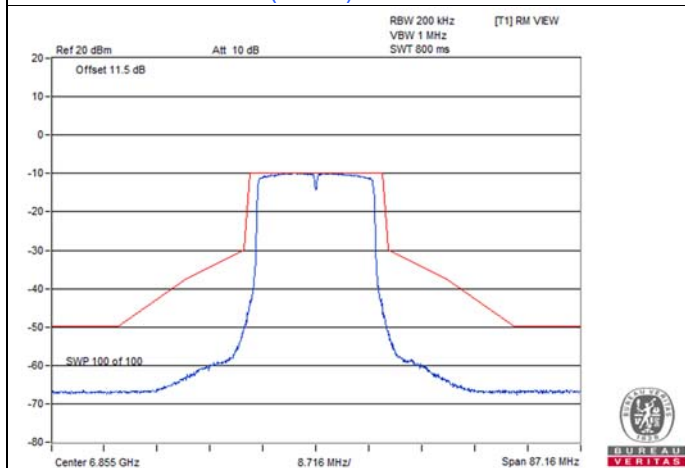
# Spectrum Plot



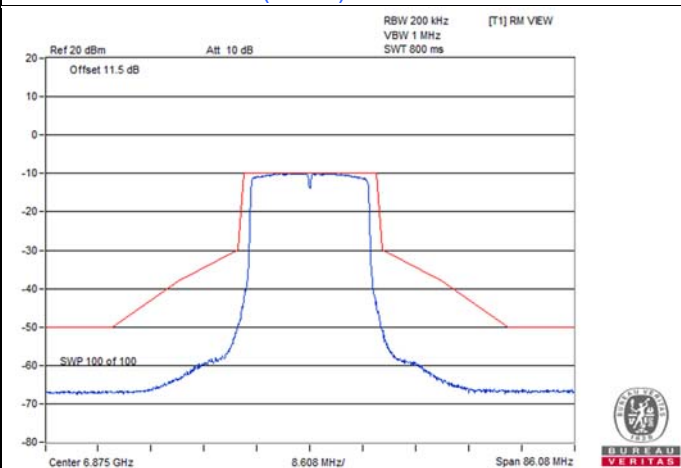
802.11ax (HE20) / Chain 1 : CH 117



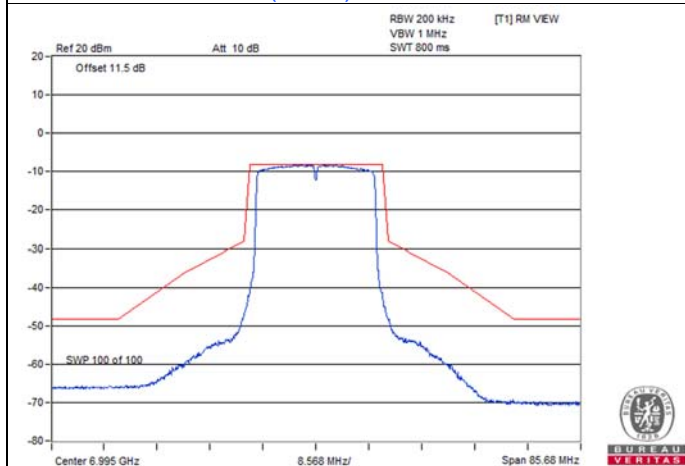
802.11ax (HE20) / Chain 1 : CH 149



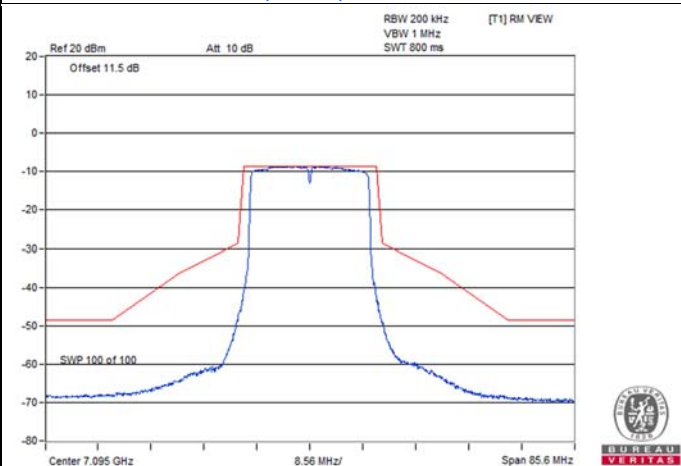
802.11ax (HE20) / Chain 1 : CH 181



802.11ax (HE20) / Chain 1 : CH 185



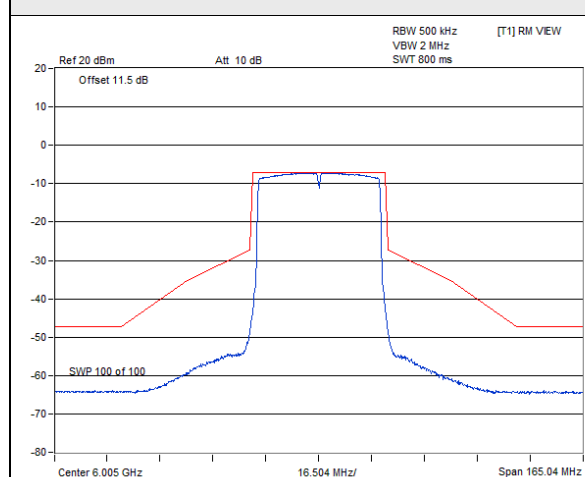
802.11ax (HE20) / Chain 1 : CH 209



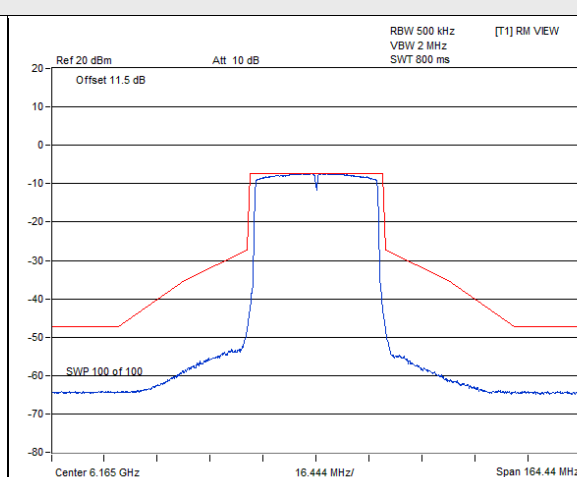
802.11ax (HE20) / Chain 1 : CH 229

## 802.11ax (HE40)

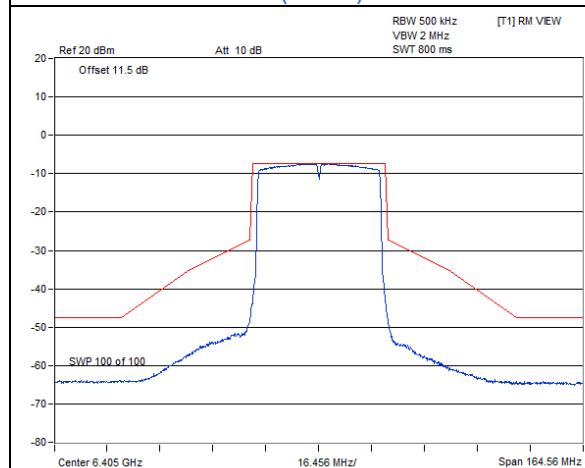
### Spectrum Plot



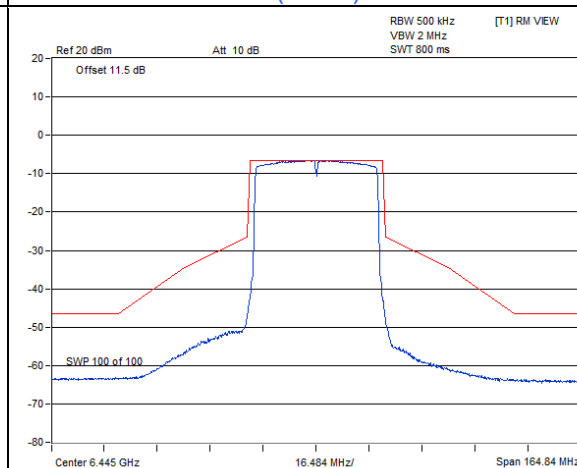
802.11ax (HE40) / Chain 0 : CH 11



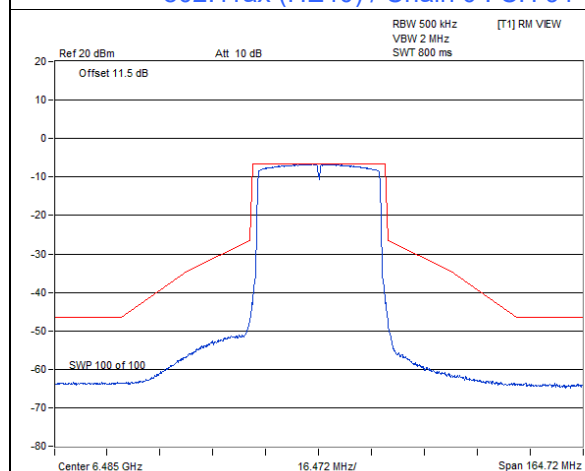
802.11ax (HE40) / Chain 0 : CH 43



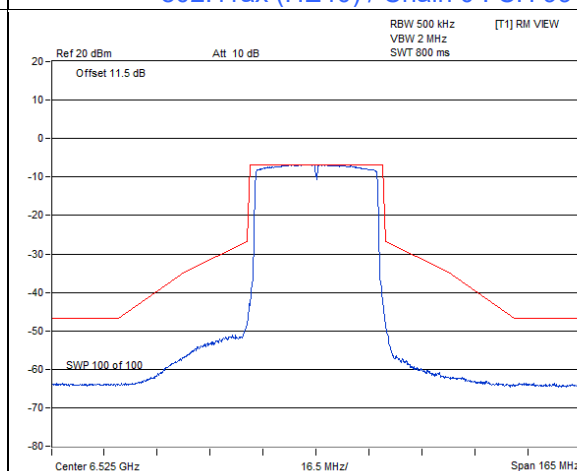
802.11ax (HE40) / Chain 0 : CH 91



802.11ax (HE40) / Chain 0 : CH 99

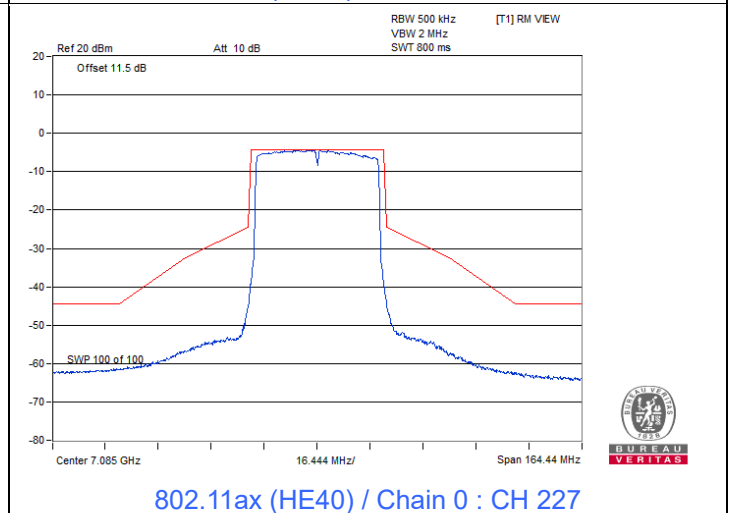
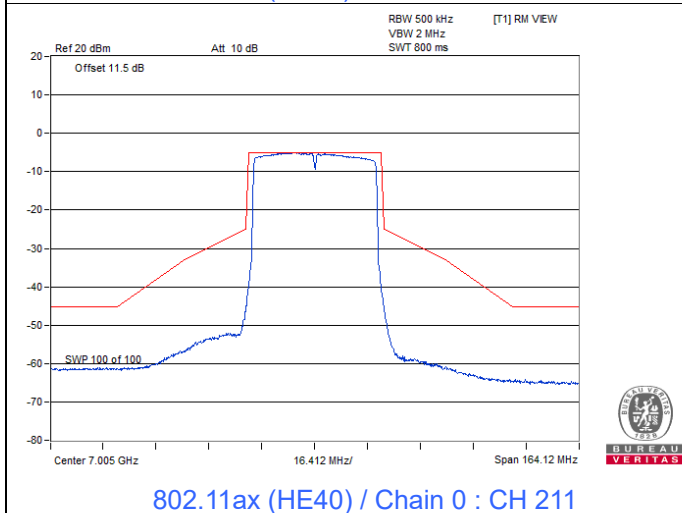
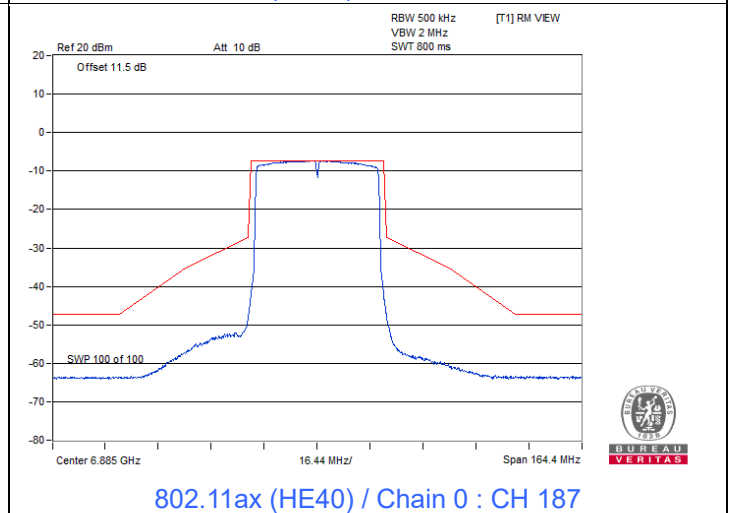
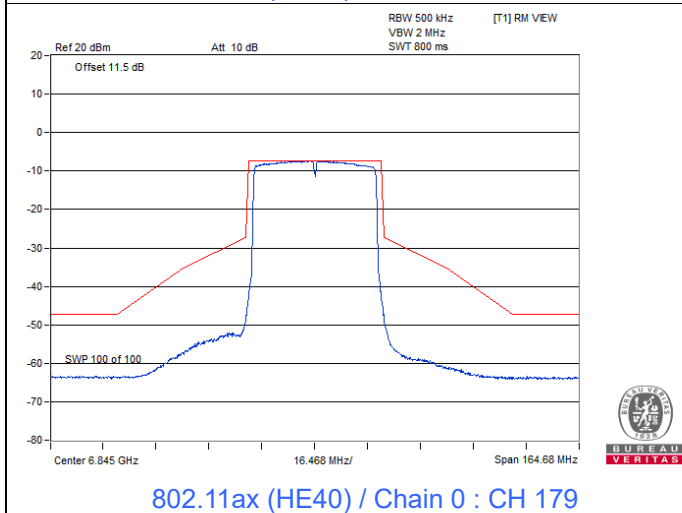
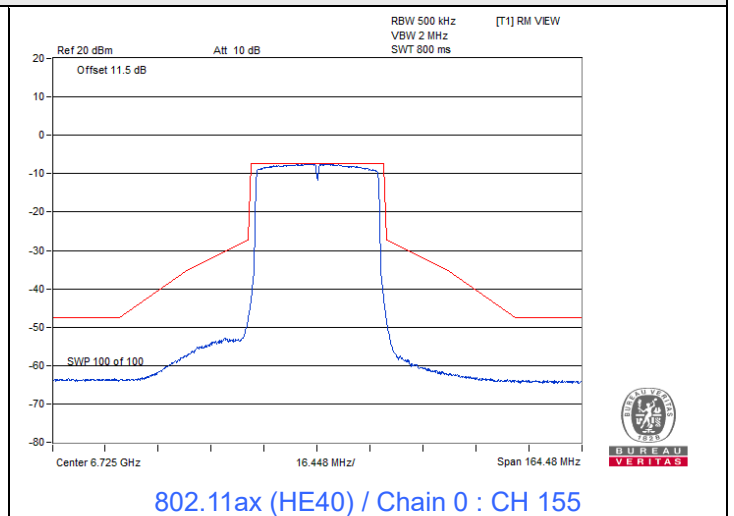
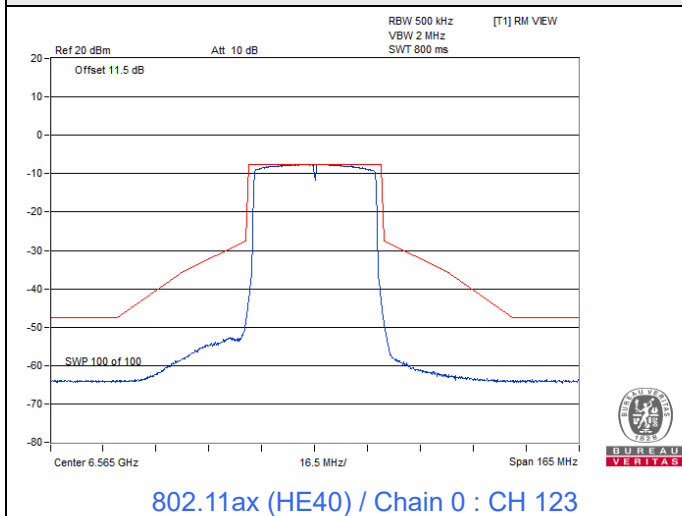


802.11ax (HE40) / Chain 0 : CH 107

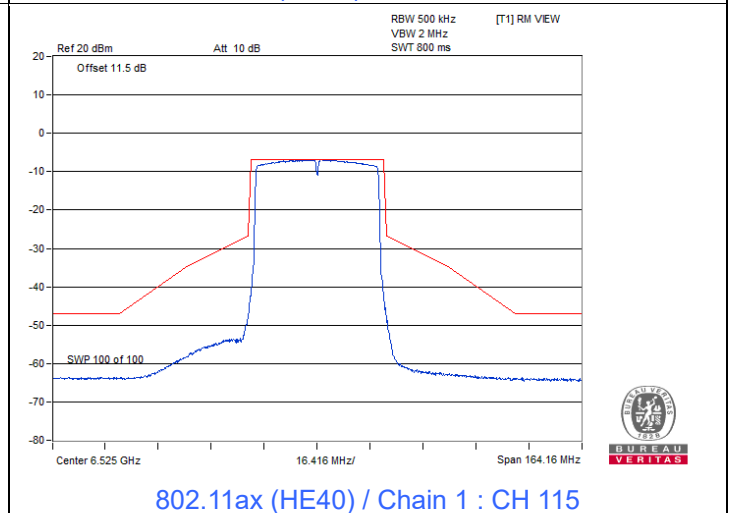
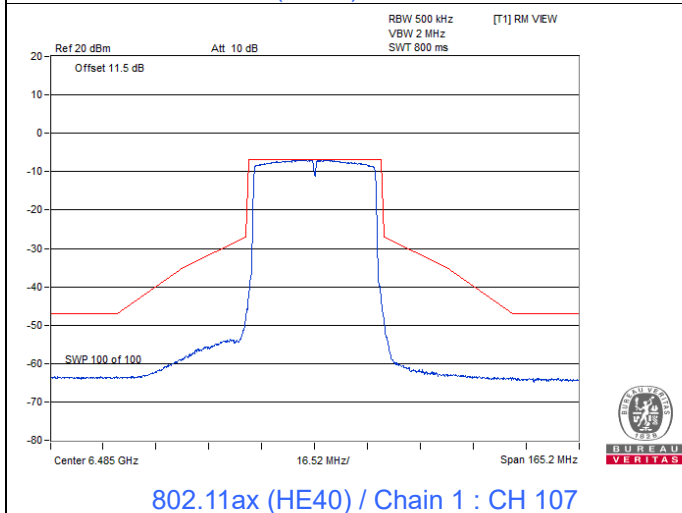
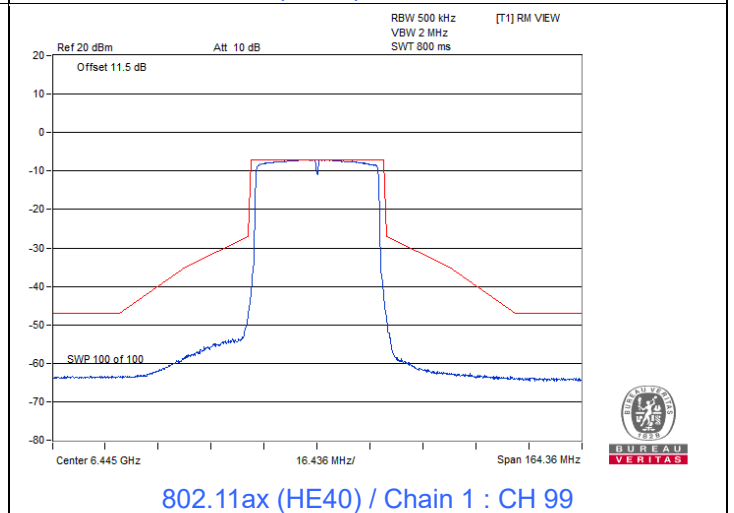
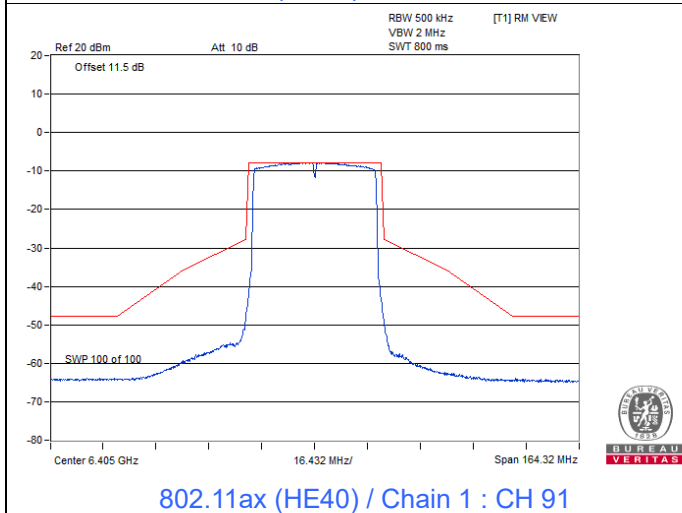
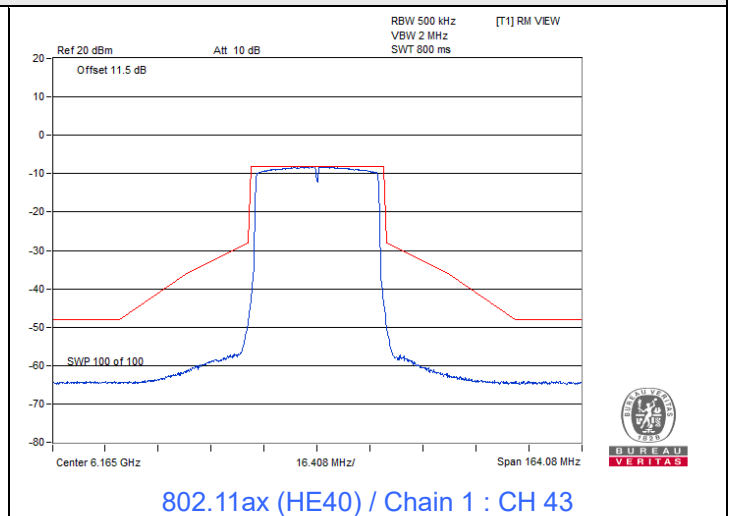
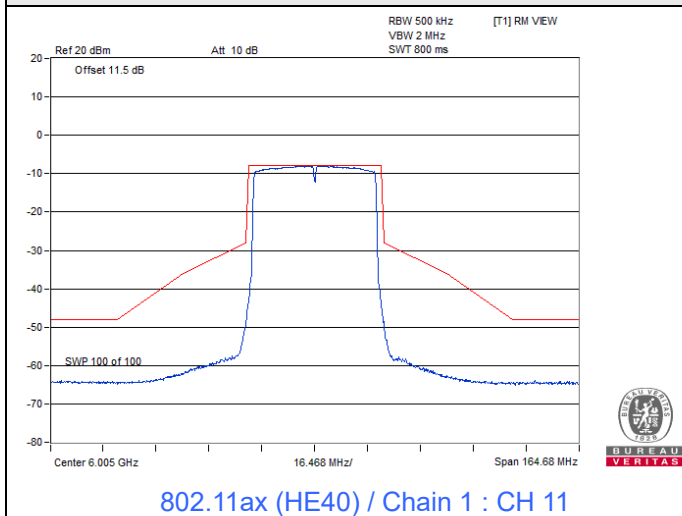


802.11ax (HE40) / Chain 0 : CH 115

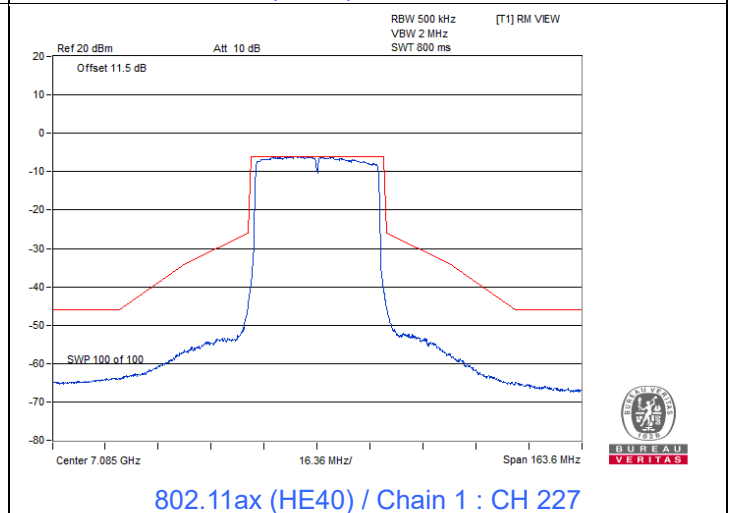
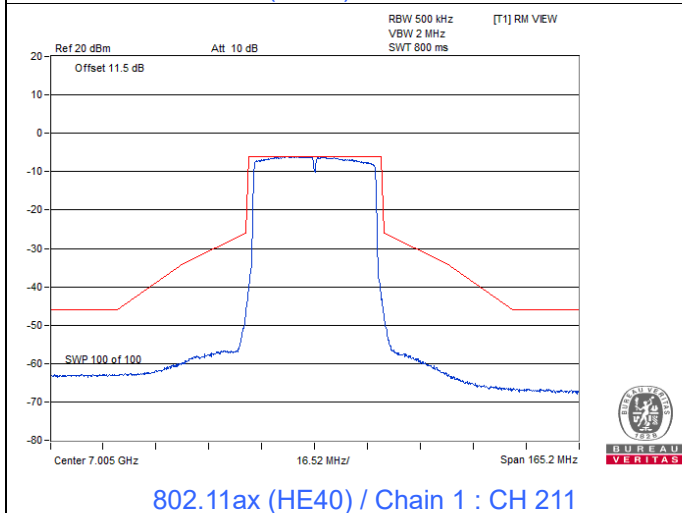
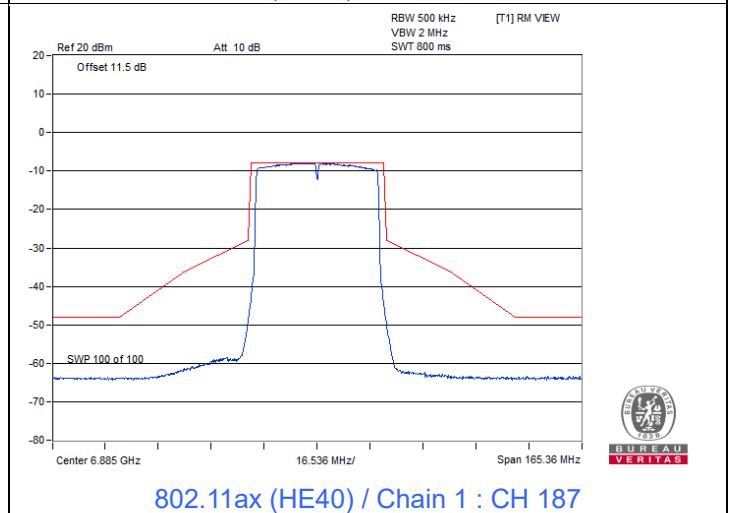
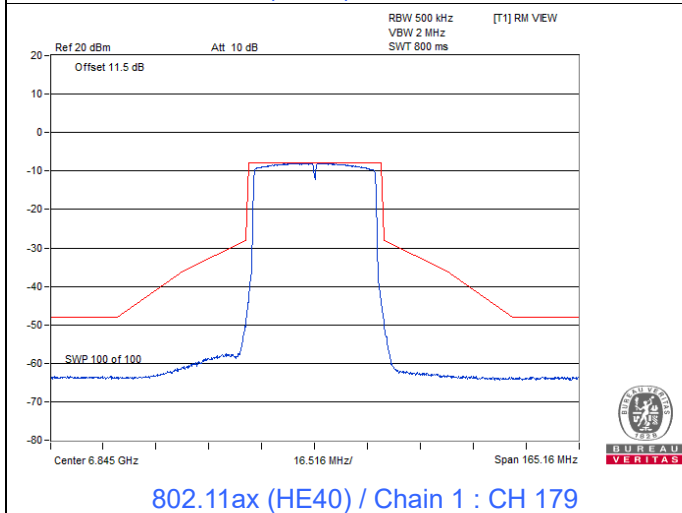
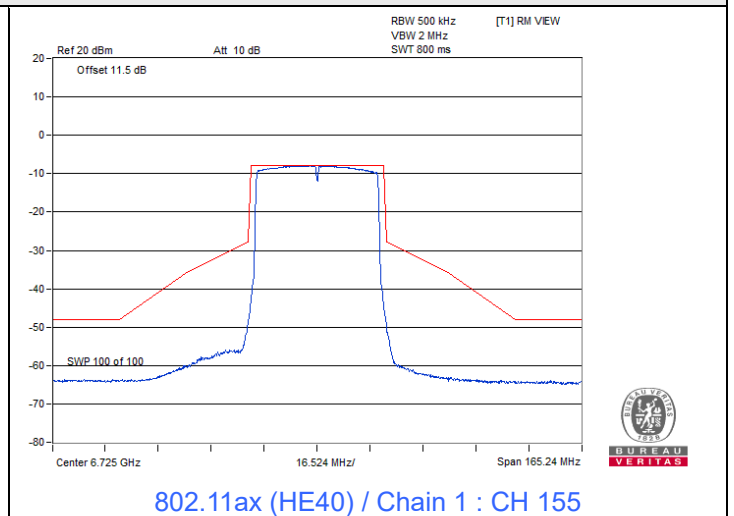
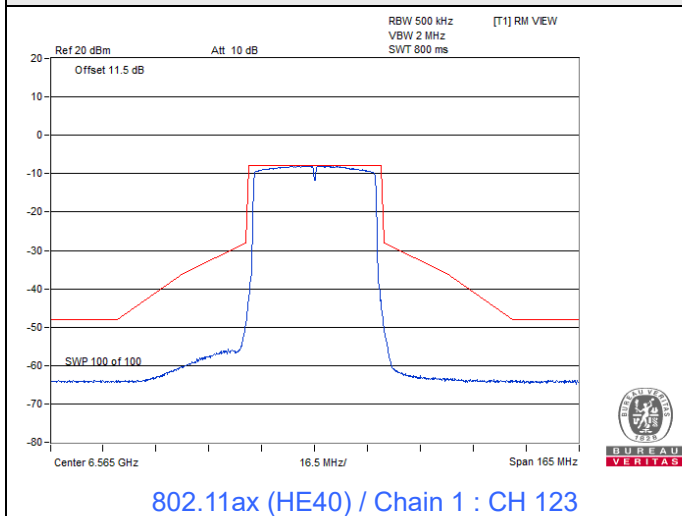
## Spectrum Plot



## Spectrum Plot

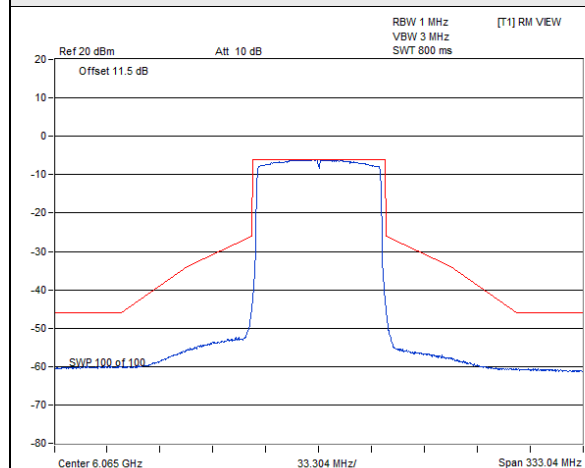


## Spectrum Plot

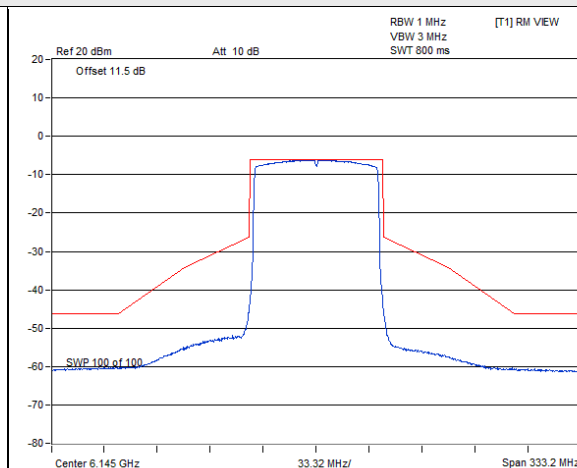


## 802.11ax (HE80)

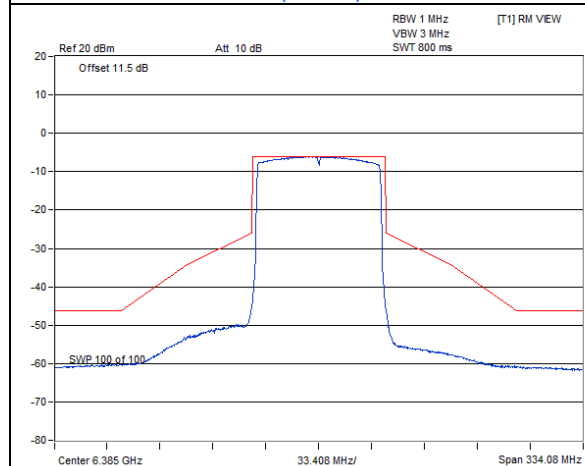
### Spectrum Plot



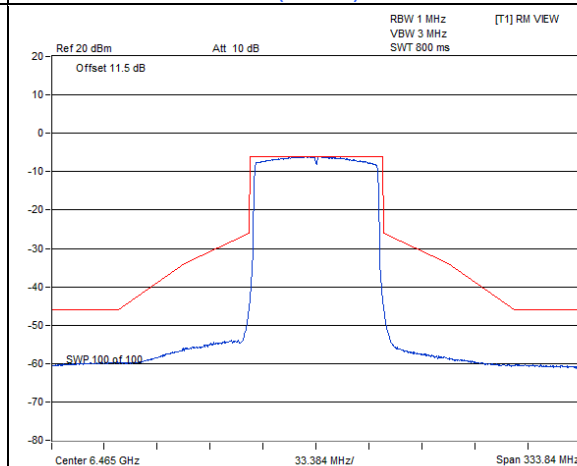
802.11ax (HE80) / Chain 0 : CH 23



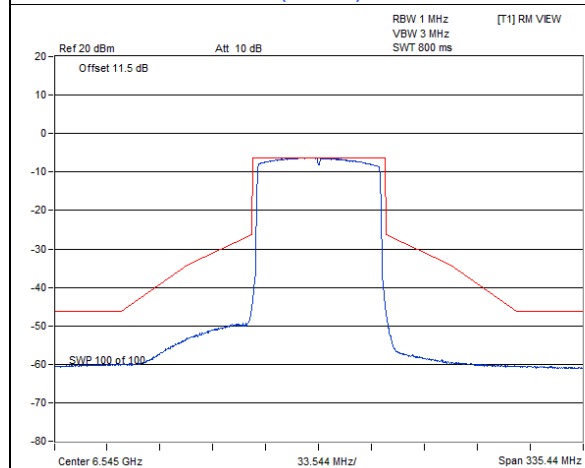
802.11ax (HE80) / Chain 0 : CH 39



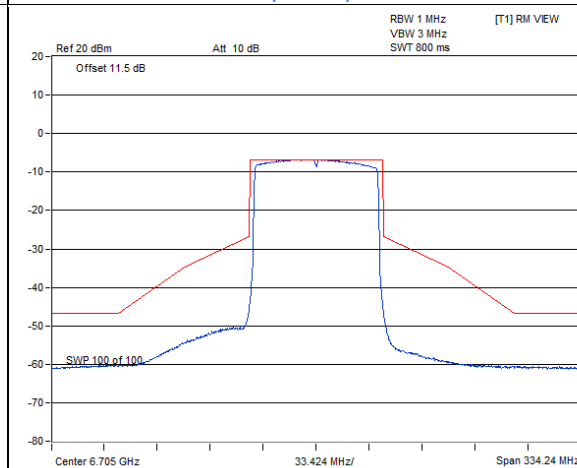
802.11ax (HE80) / Chain 0 : CH 87



802.11ax (HE80) / Chain 0 : CH 103

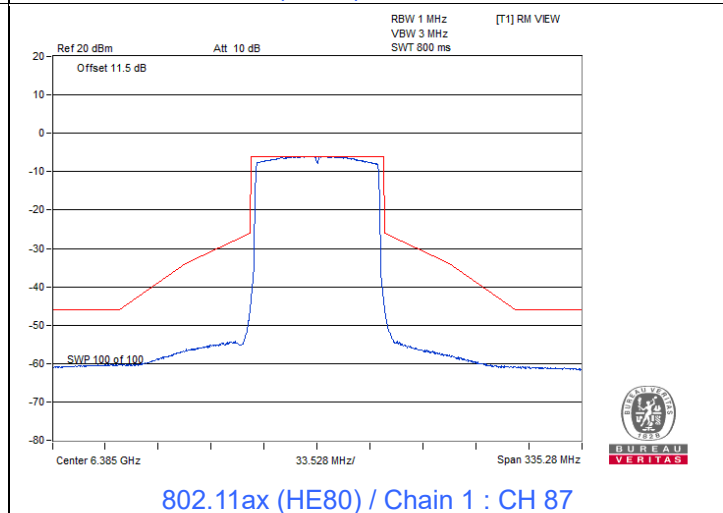
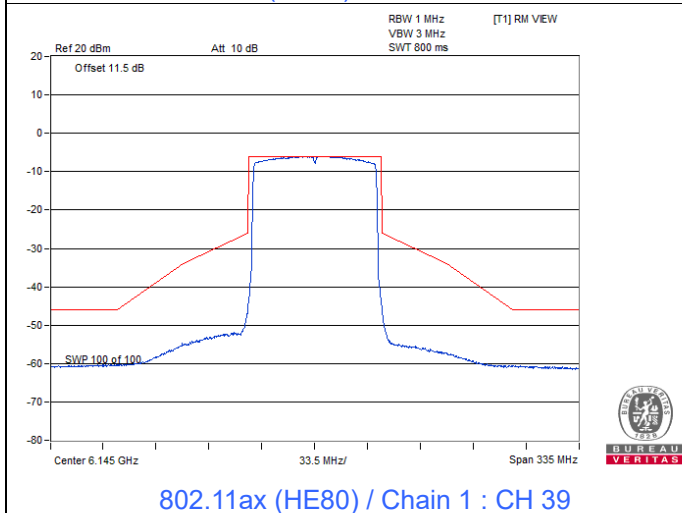
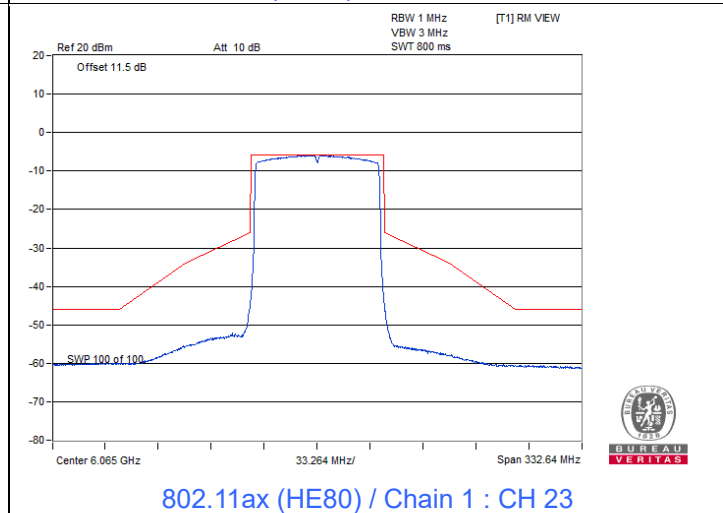
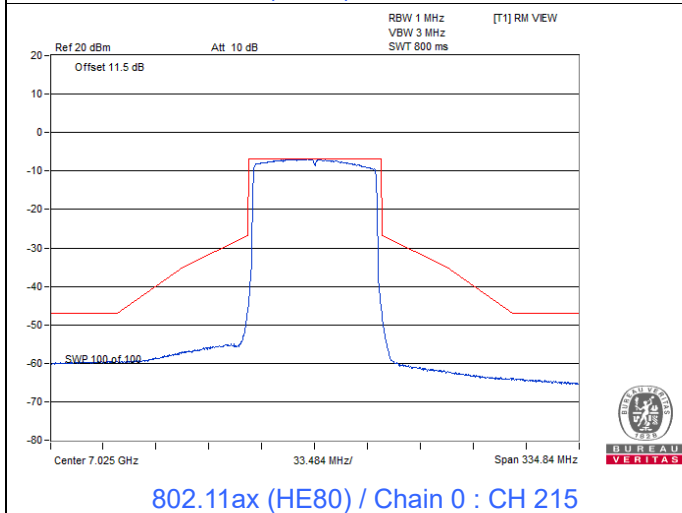
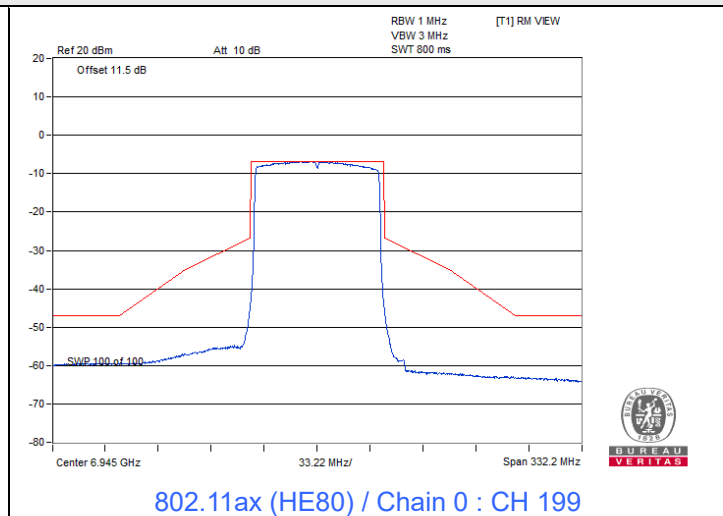
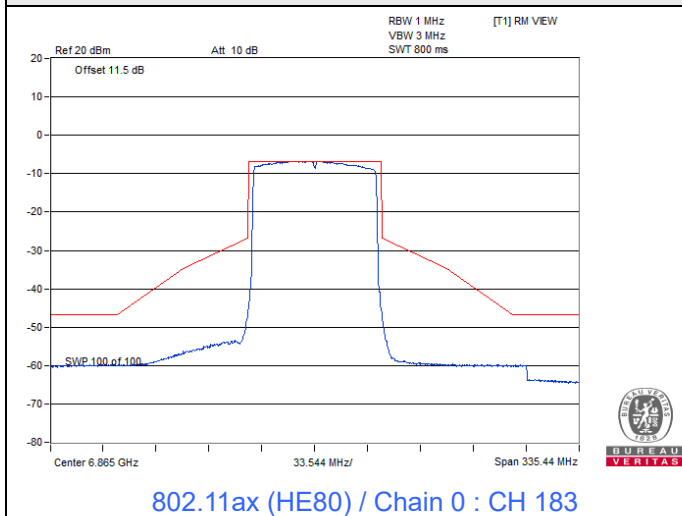


802.11ax (HE80) / Chain 0 : CH 119

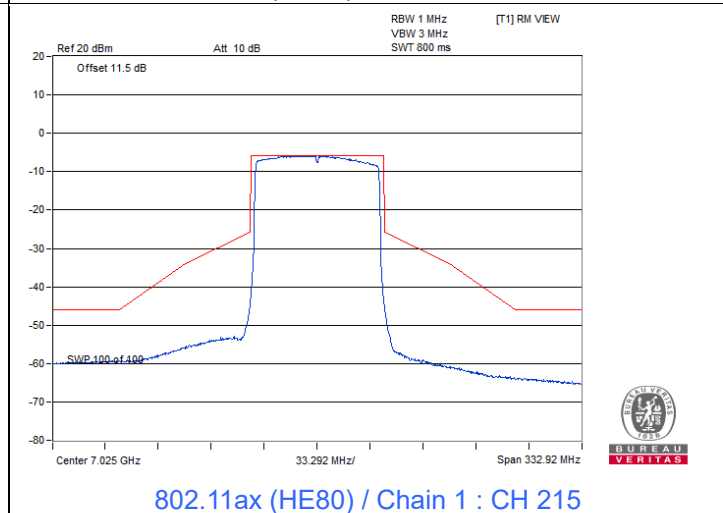
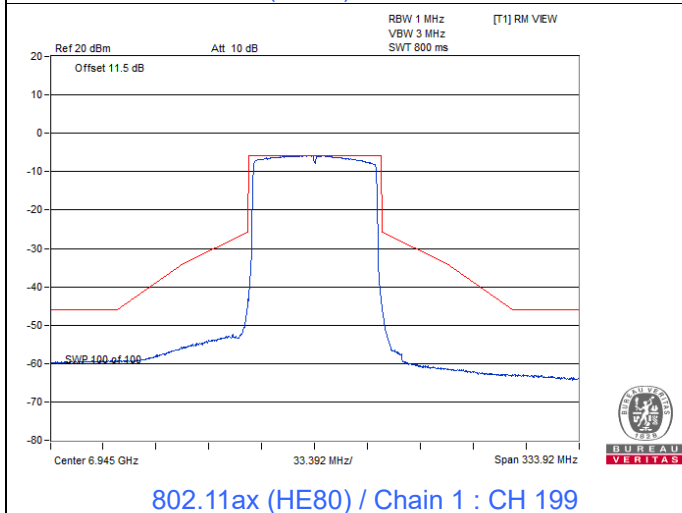
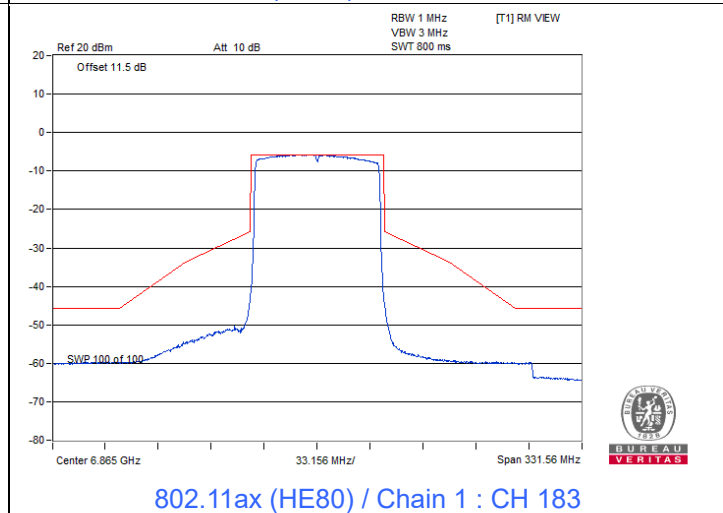
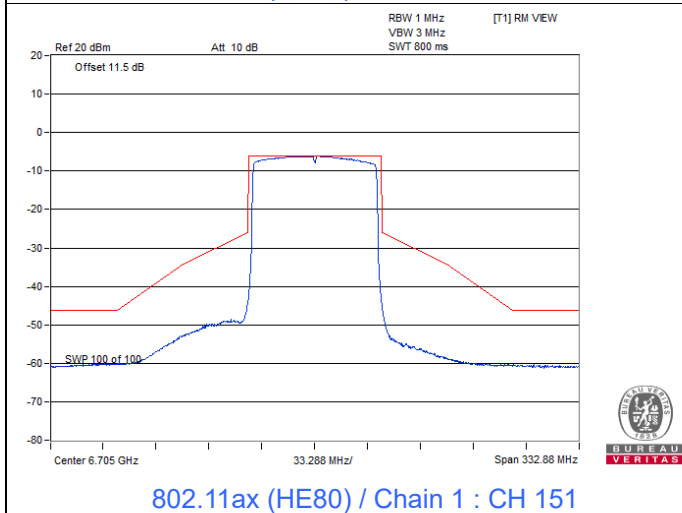
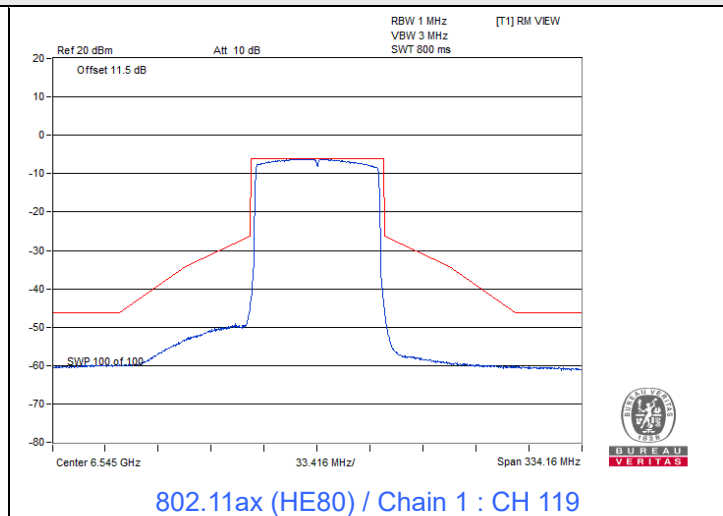
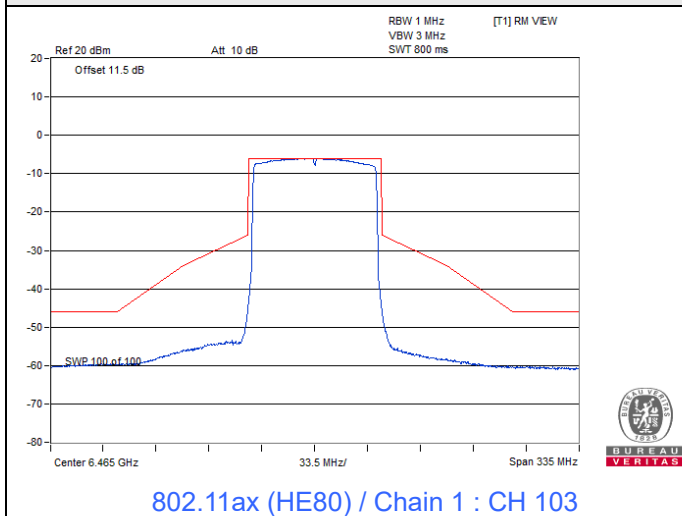


802.11ax (HE80) / Chain 0 : CH 151

# Spectrum Plot

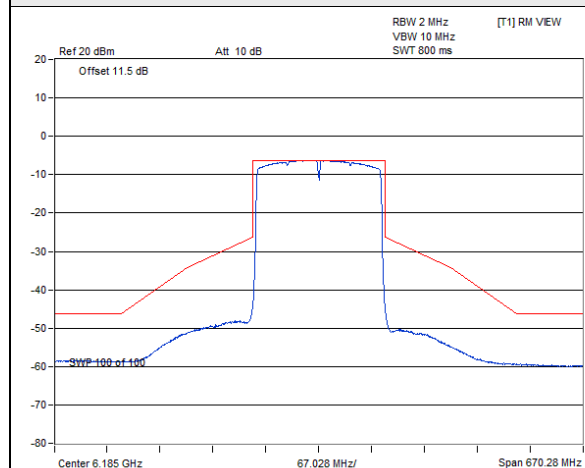


# Spectrum Plot

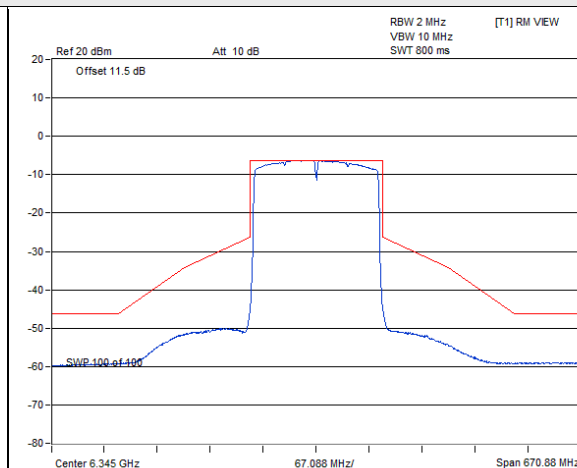


## 802.11ax (HE160)

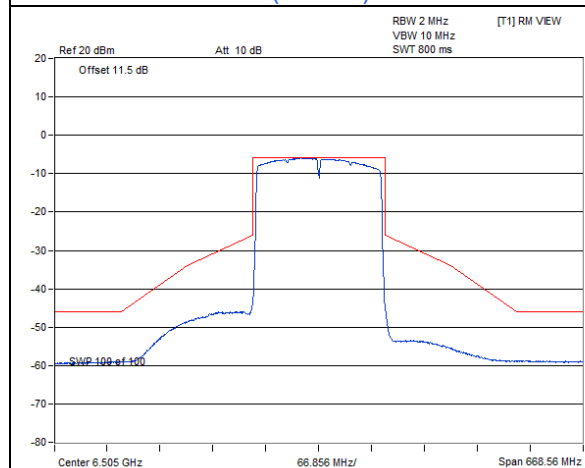
### Spectrum Plot



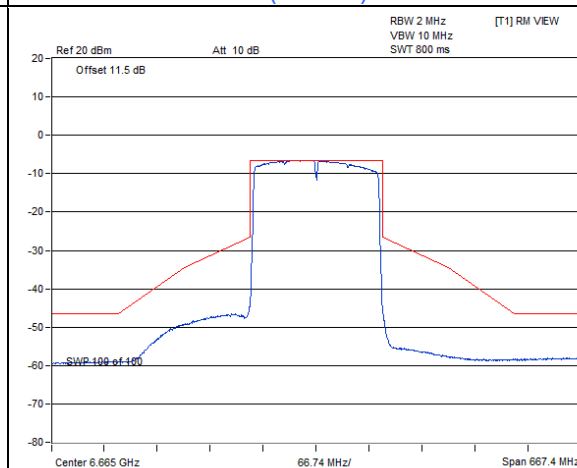
802.11ax (HE160) / Chain 0 : CH 47



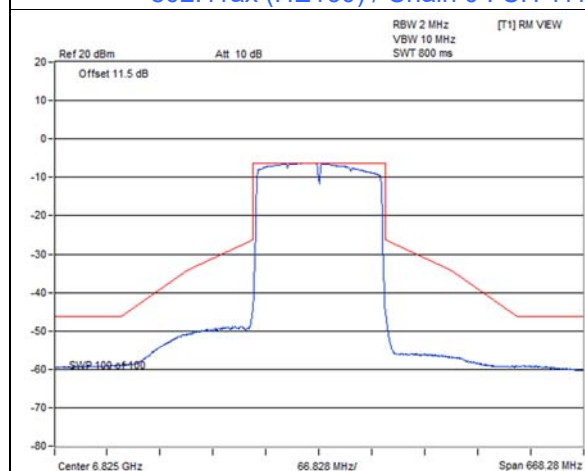
802.11ax (HE160) / Chain 0 : CH 79



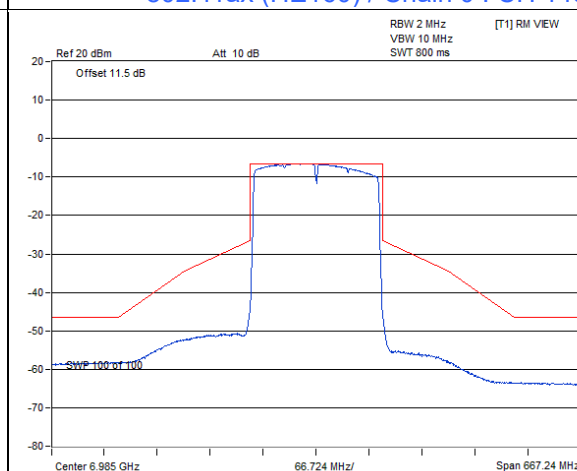
802.11ax (HE160) / Chain 0 : CH 111



802.11ax (HE160) / Chain 0 : CH 143

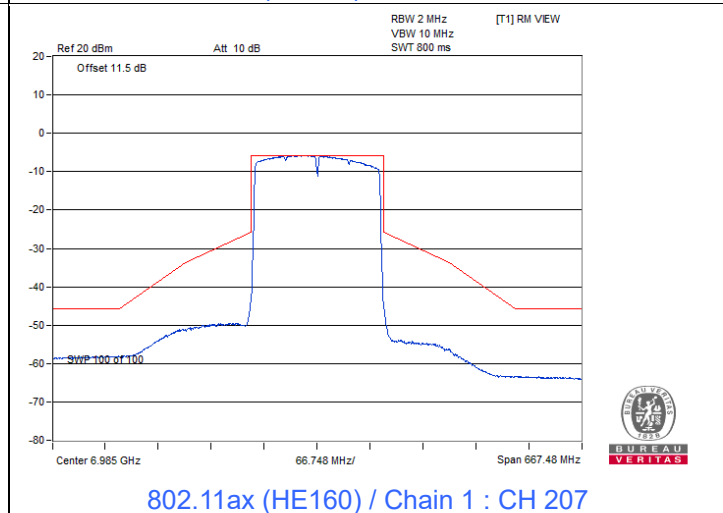
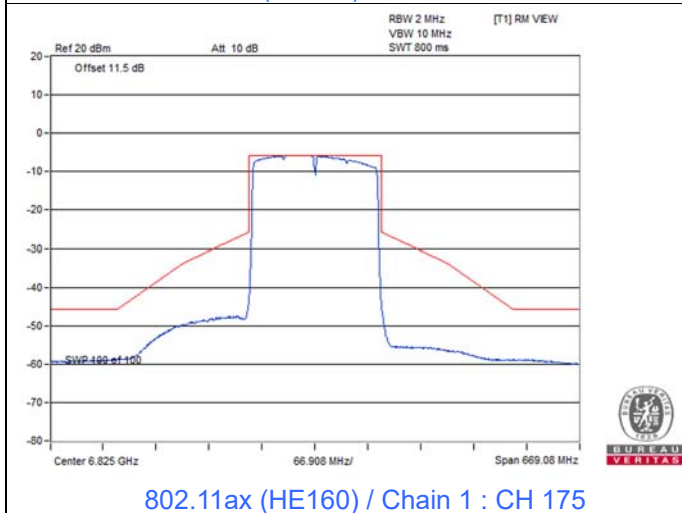
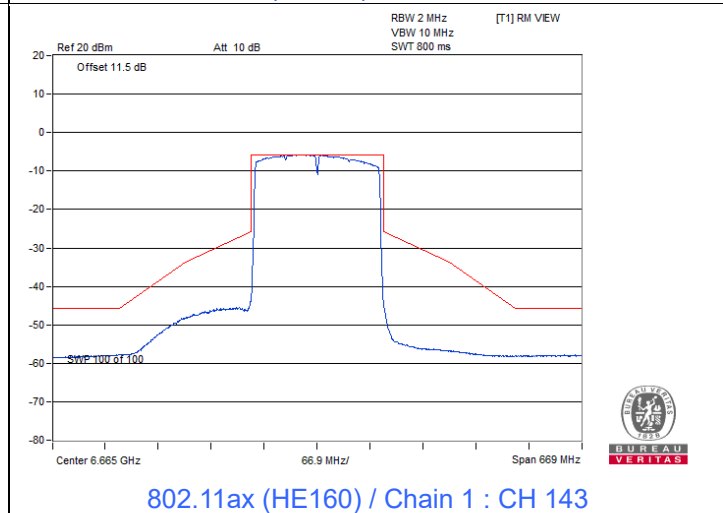
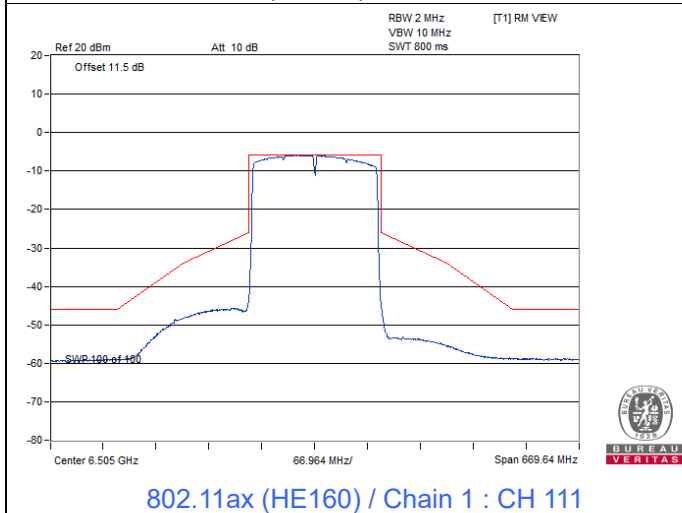
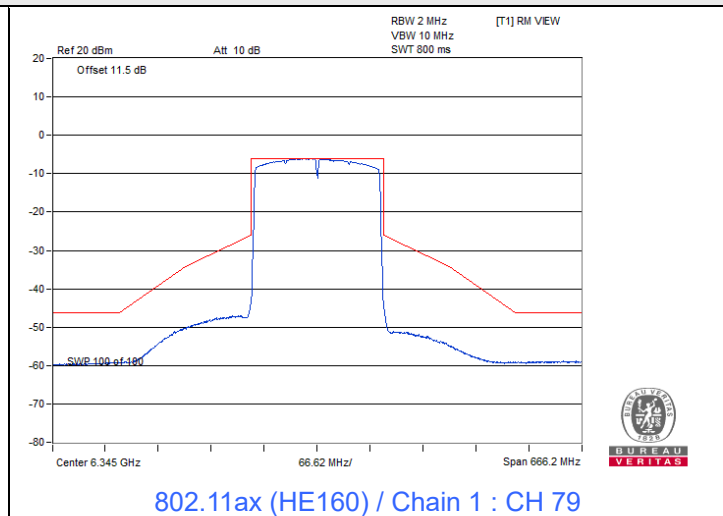
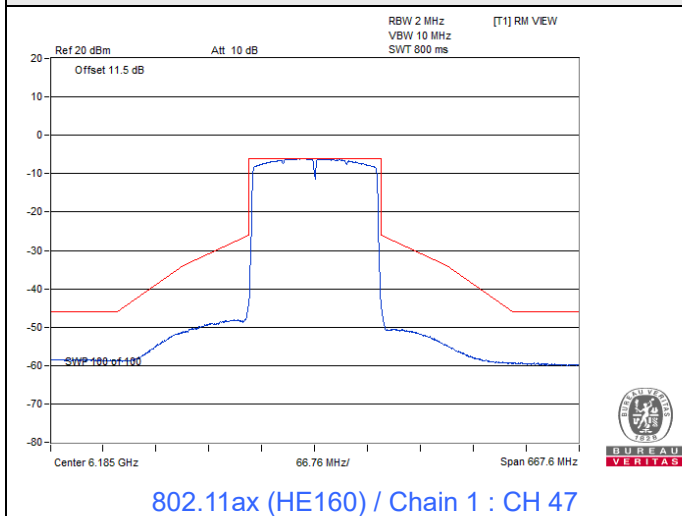


802.11ax (HE160) / Chain 0 : CH 175



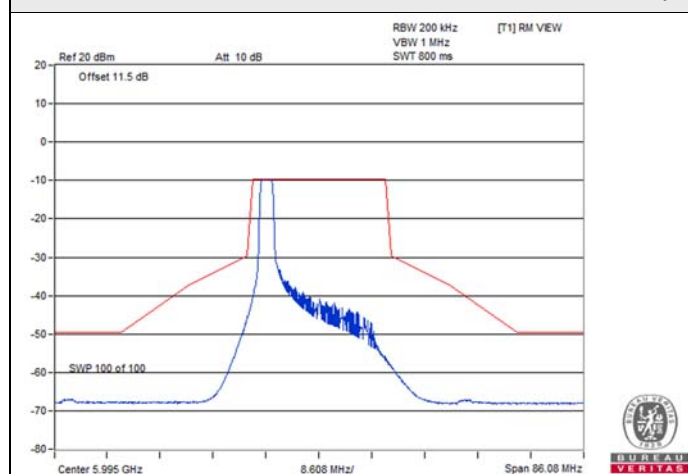
802.11ax (HE160) / Chain 0 : CH 207

## Spectrum Plot

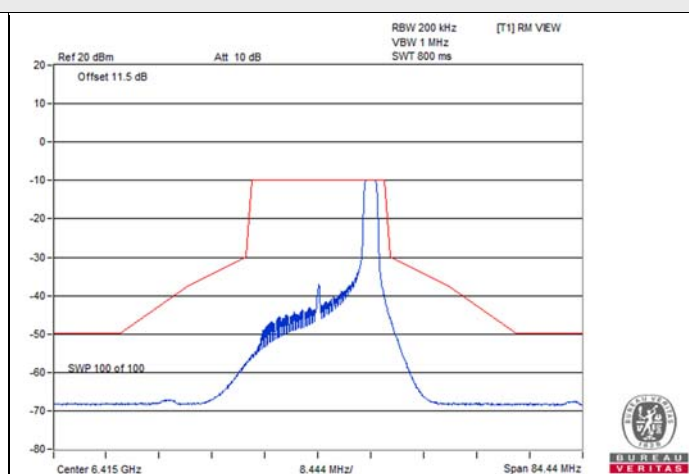


## 802.11ax (HE20) 26-tone RU

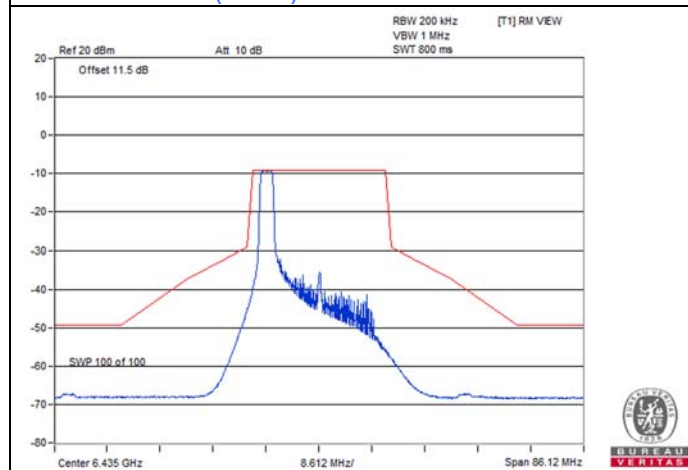
### Spectrum Plot



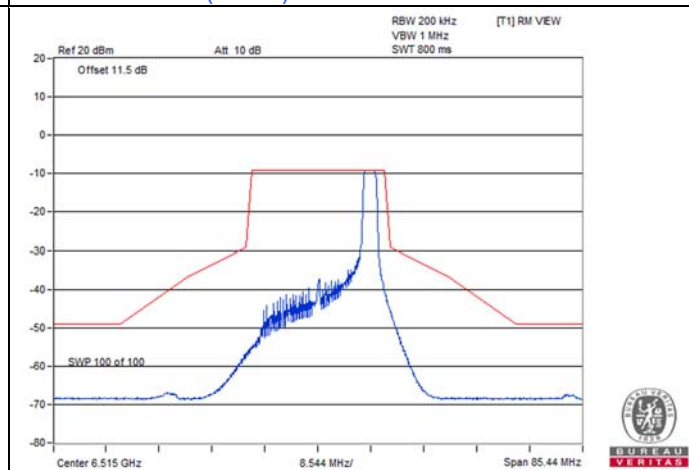
802.11ax (HE20) 26-tone RU / Chain 0 : CH 9



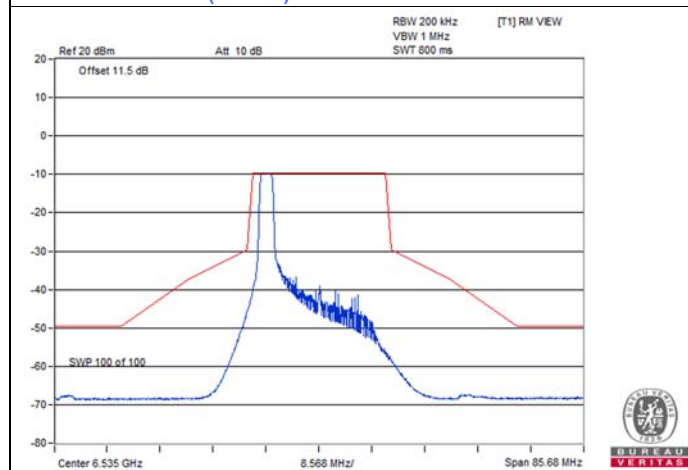
802.11ax (HE20) 26-tone RU / Chain 0 : CH 93



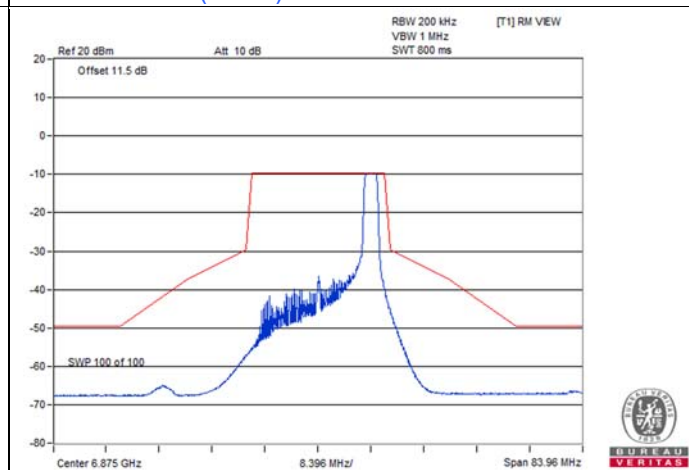
802.11ax (HE20) 26-tone RU / Chain 0 : CH 97



802.11ax (HE20) 26-tone RU / Chain 0 : CH 113

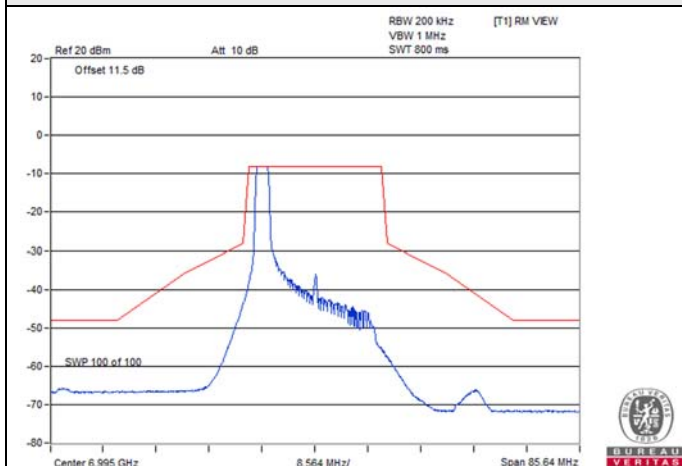


802.11ax (HE20) 26-tone RU / Chain 0 : CH 117

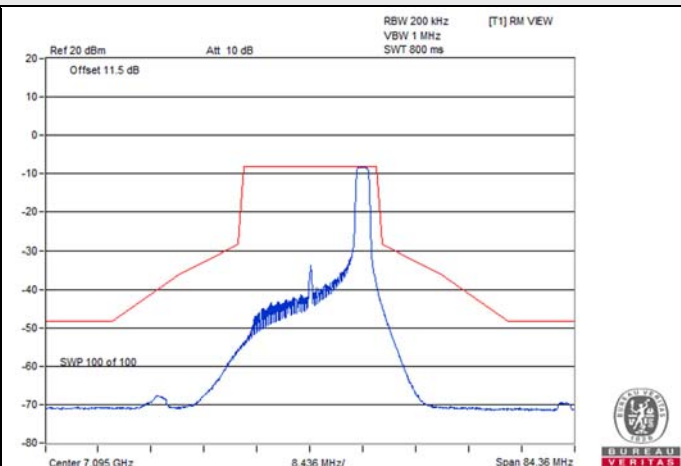


802.11ax (HE20) 26-tone RU / Chain 0 : CH 185

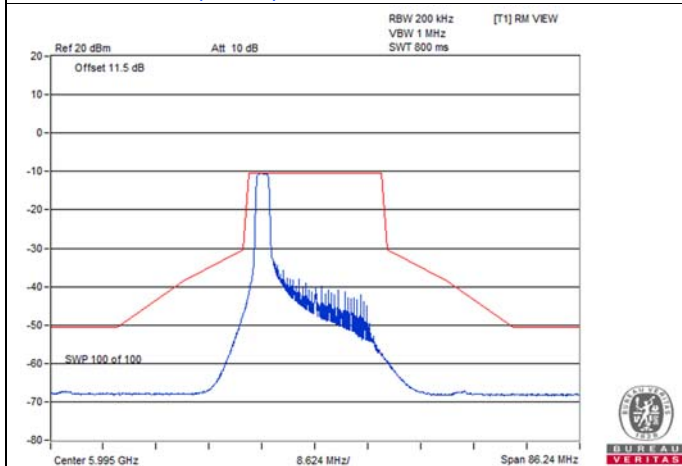
## Spectrum Plot



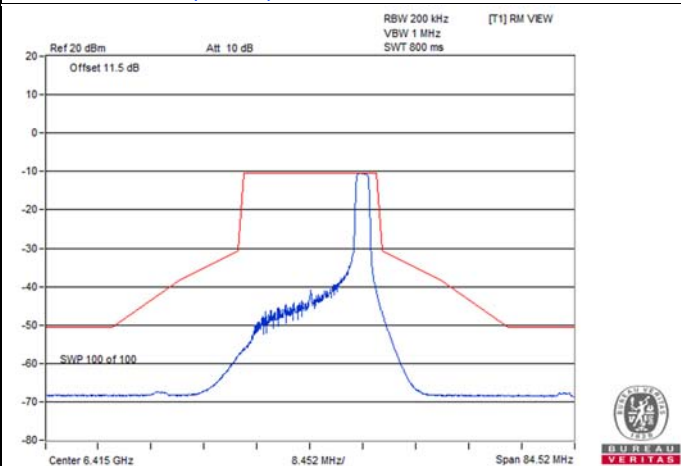
802.11ax (HE20) 26-tone RU / Chain 0 : CH 209



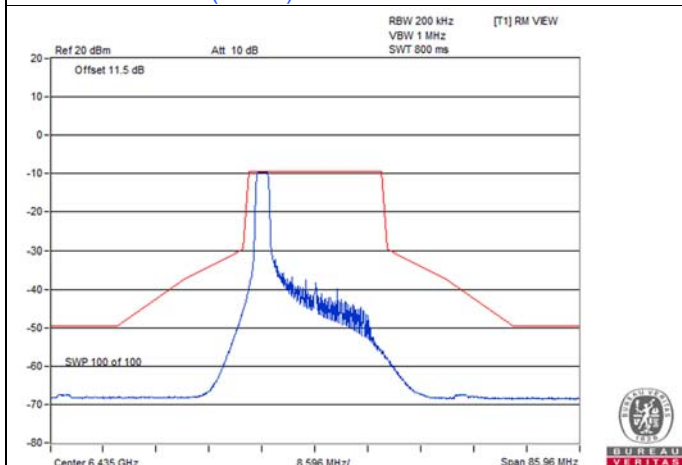
802.11ax (HE20) 26-tone RU / Chain 0 : CH 229



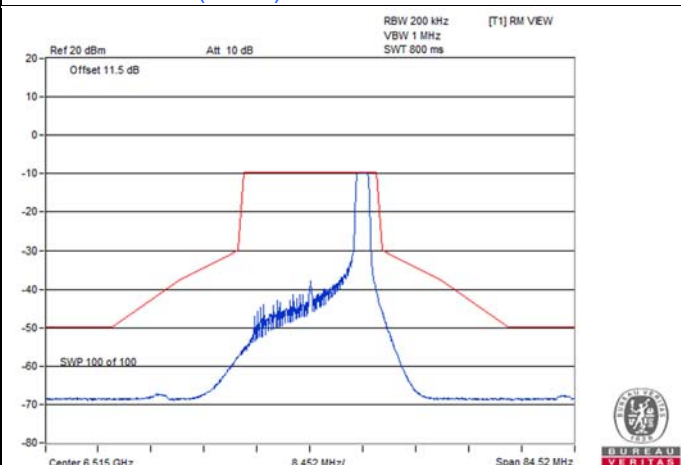
802.11ax (HE20) 26-tone RU / Chain 1 : CH 9



802.11ax (HE20) 26-tone RU / Chain 1 : CH 93

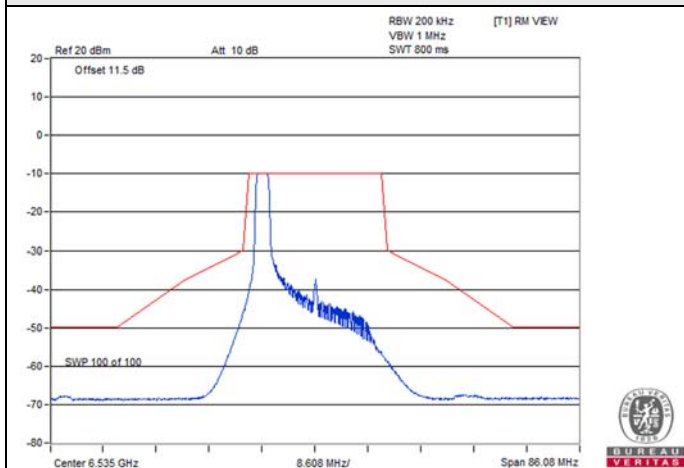


802.11ax (HE20) 26-tone RU / Chain 1 : CH 97

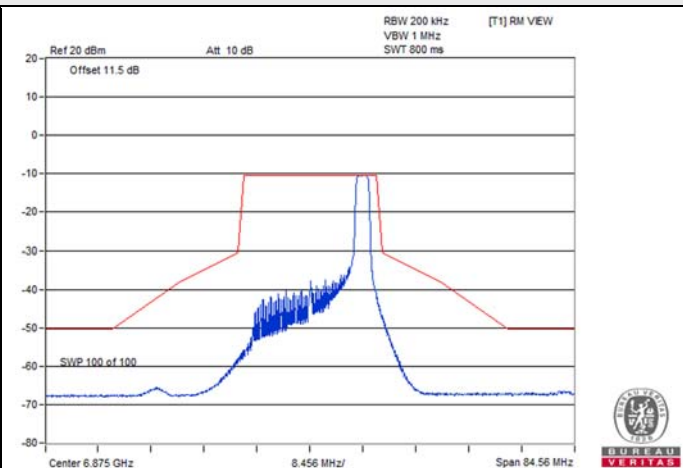


802.11ax (HE20) 26-tone RU / Chain 1 : CH 113

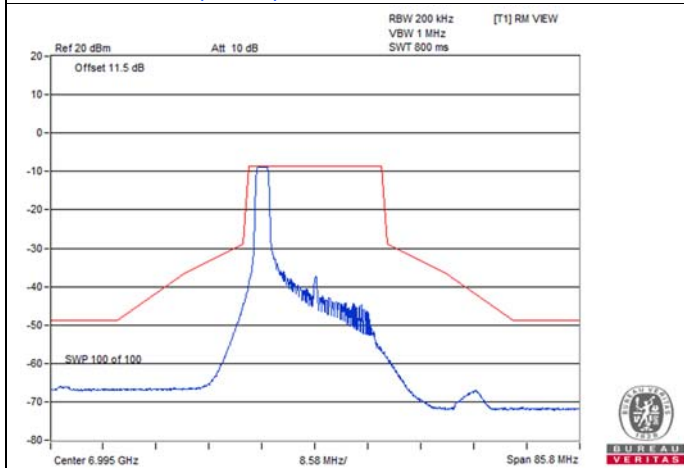
## Spectrum Plot



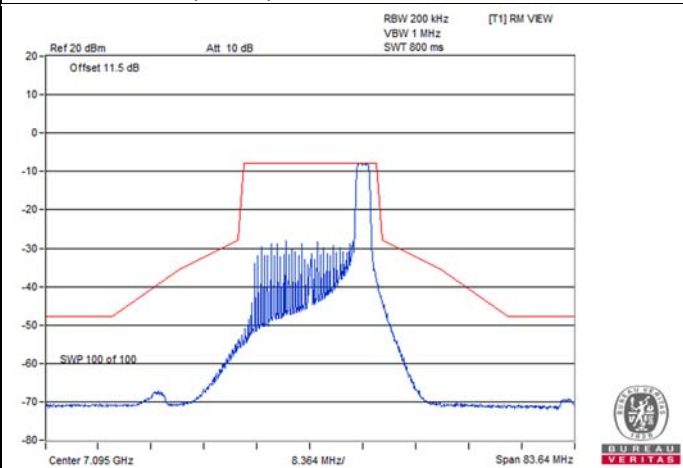
802.11ax (HE20) 26-tone RU / Chain 1 : CH 117



802.11ax (HE20) 26-tone RU / Chain 1 : CH 185



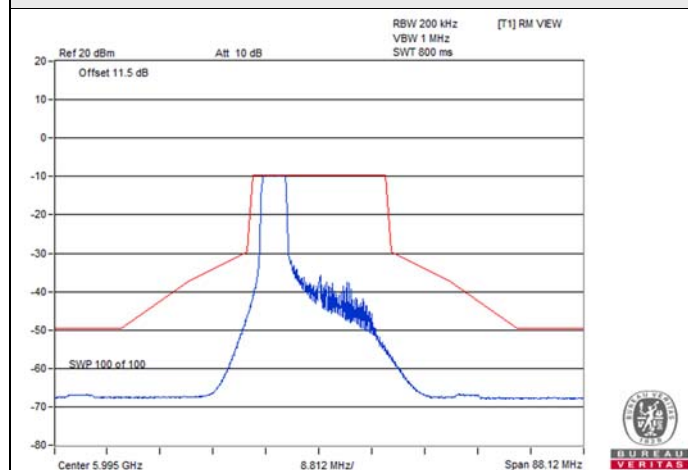
802.11ax (HE20) 26-tone RU / Chain 1 : CH 209



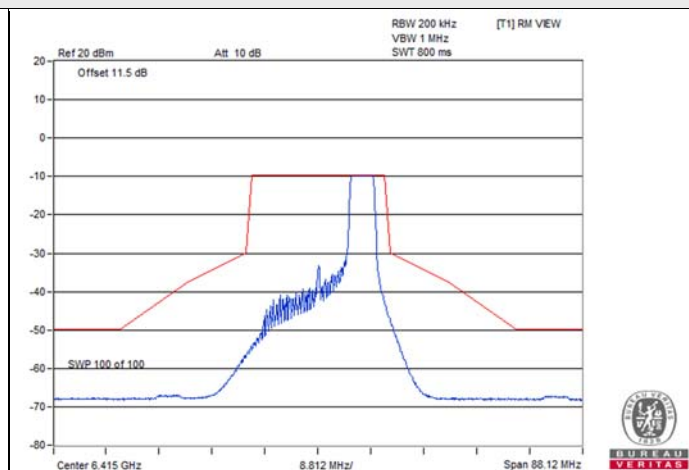
802.11ax (HE20) 26-tone RU / Chain 1 : CH 229

## 802.11ax (HE20) 52-tone RU

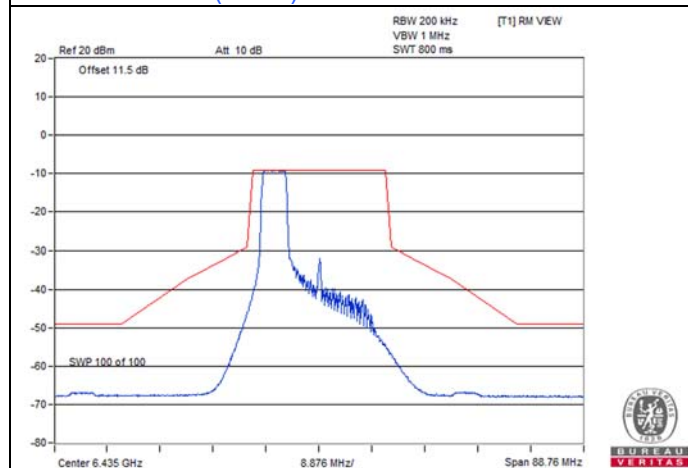
### Spectrum Plot



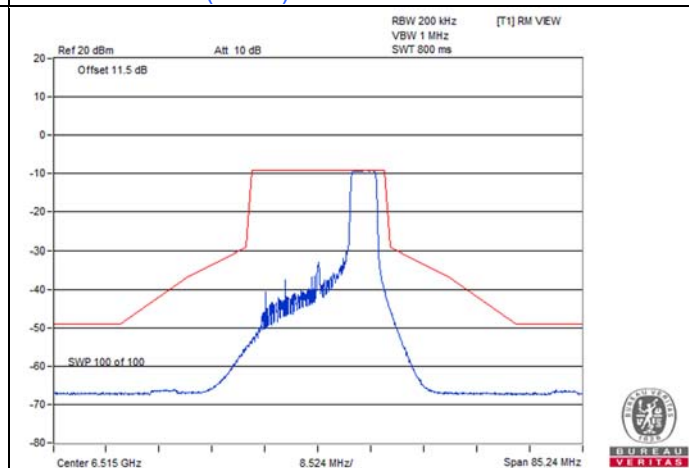
802.11ax (HE20) 52-tone RU / Chain 0 : CH 9



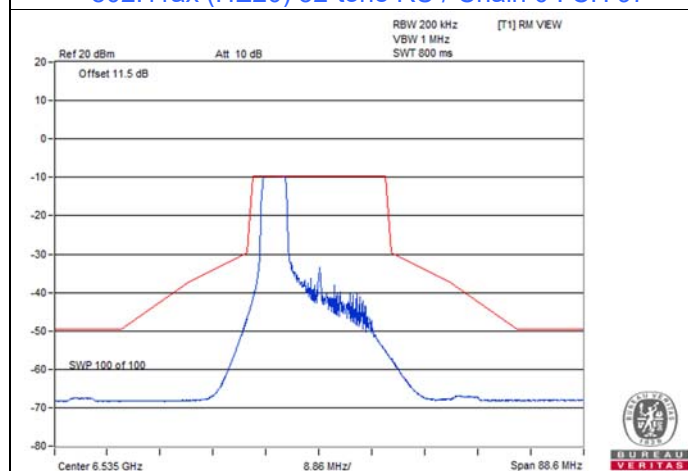
802.11ax (HE20) 52-tone RU / Chain 0 : CH 93



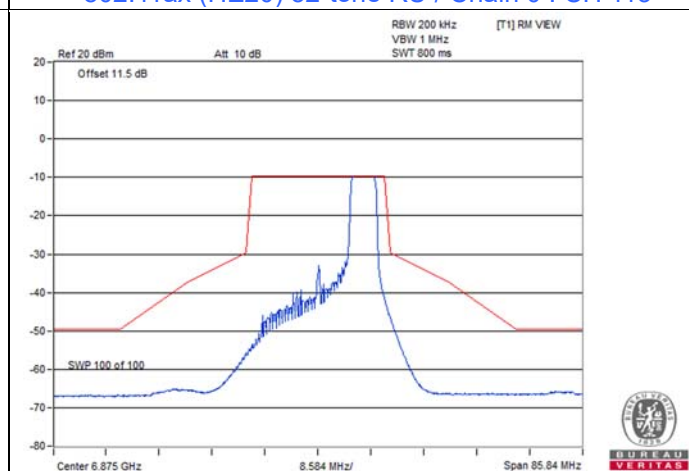
802.11ax (HE20) 52-tone RU / Chain 0 : CH 97



802.11ax (HE20) 52-tone RU / Chain 0 : CH 113

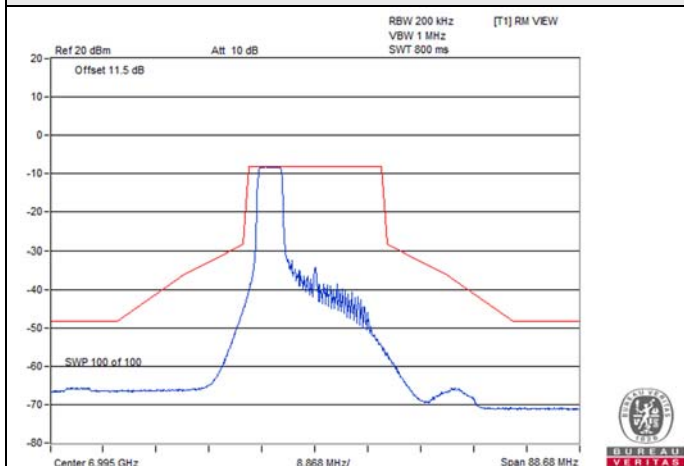


802.11ax (HE20) 52-tone RU / Chain 0 : CH 117

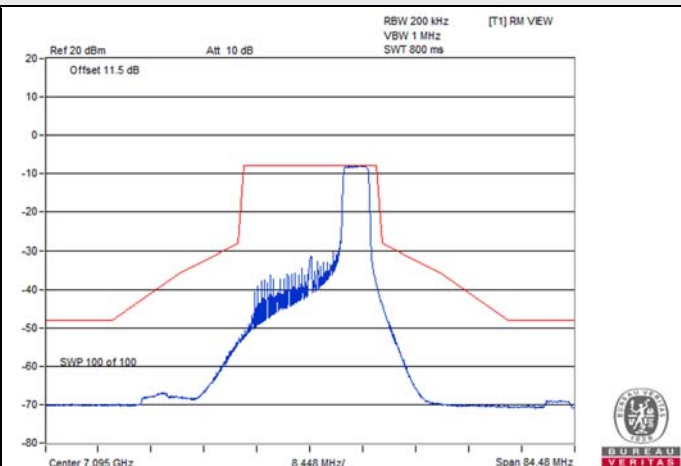


802.11ax (HE20) 52-tone RU / Chain 0 : CH 185

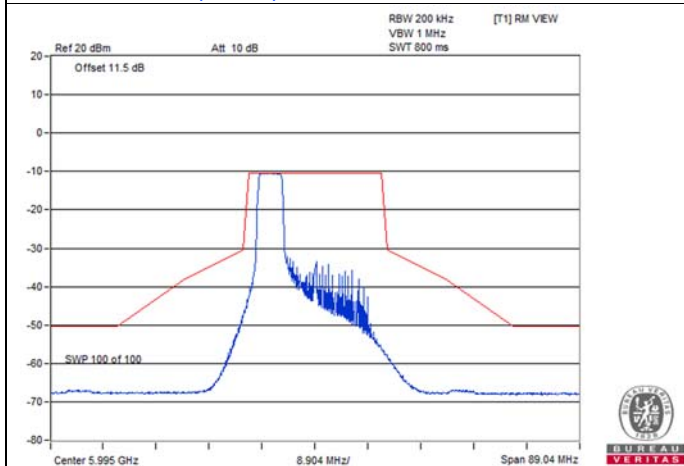
## Spectrum Plot



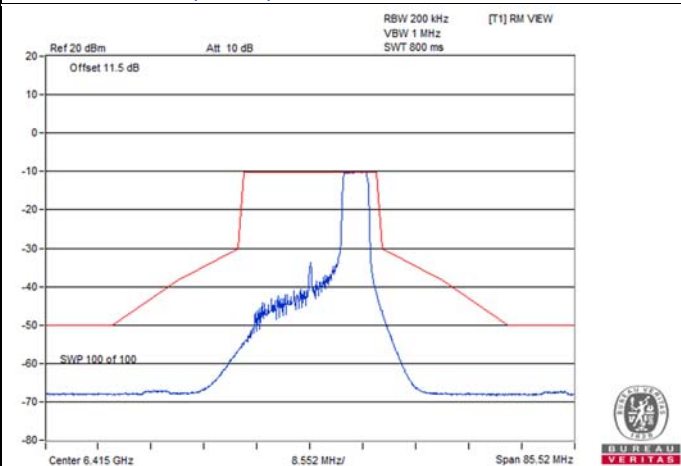
802.11ax (HE20) 52-tone RU / Chain 0 : CH 209



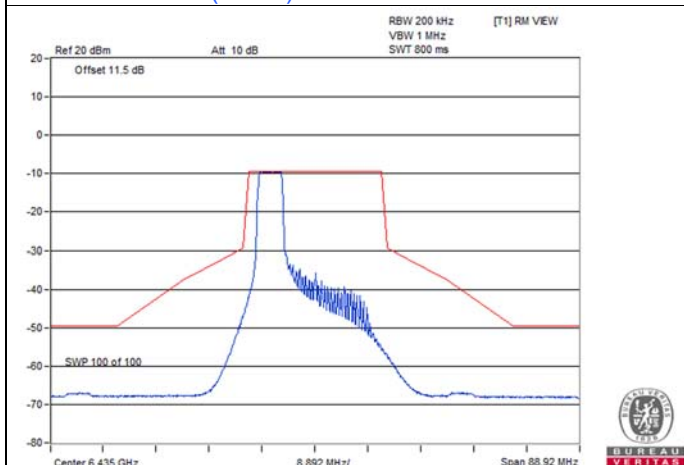
802.11ax (HE20) 52-tone RU / Chain 0 : CH 229



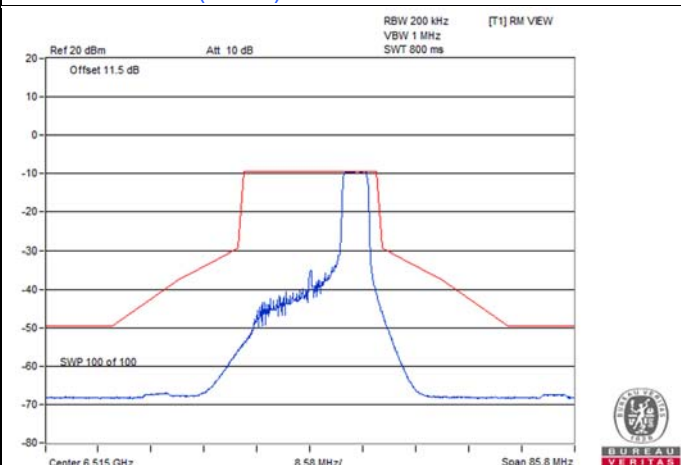
802.11ax (HE20) 52-tone RU / Chain 1 : CH 9



802.11ax (HE20) 52-tone RU / Chain 1 : CH 93

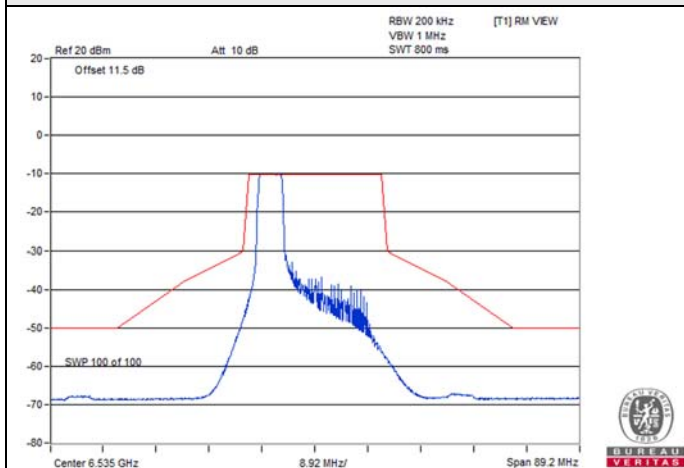


802.11ax (HE20) 52-tone RU / Chain 1 : CH 97

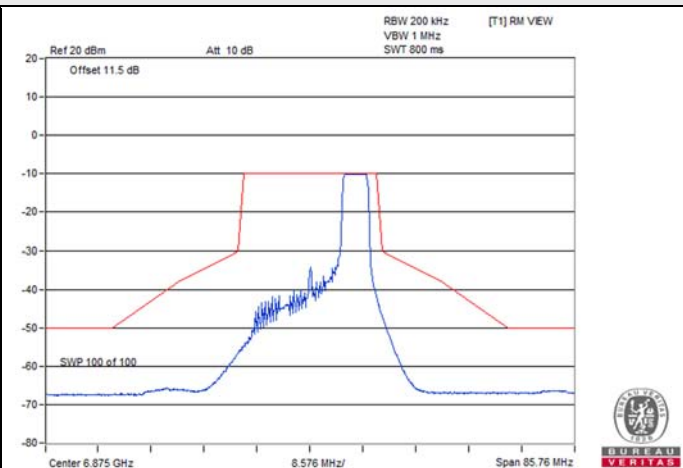


802.11ax (HE20) 52-tone RU / Chain 1 : CH 113

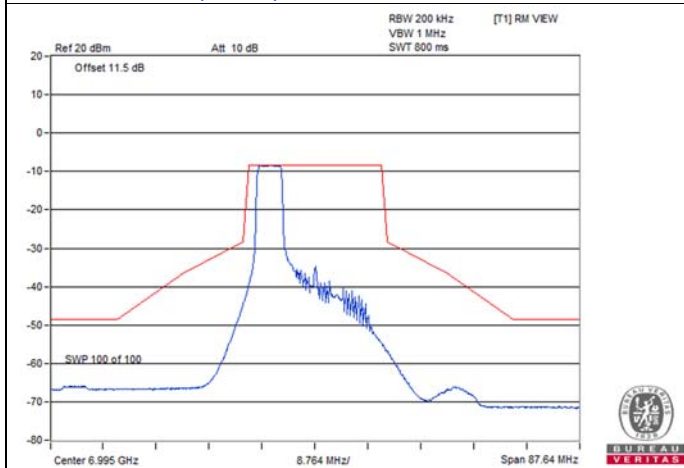
## Spectrum Plot



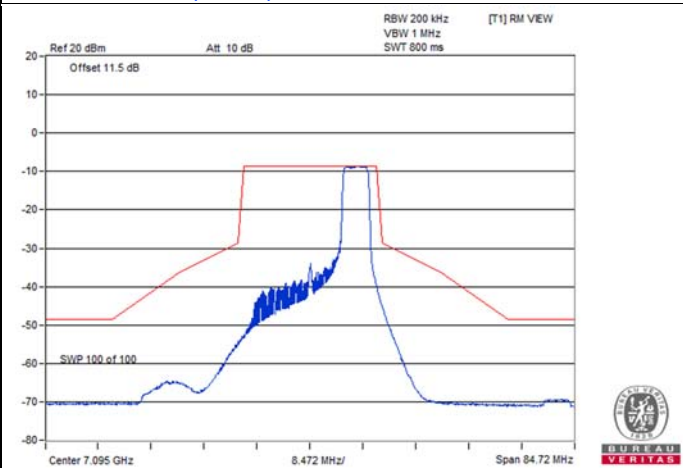
802.11ax (HE20) 52-tone RU / Chain 1 : CH 117



802.11ax (HE20) 52-tone RU / Chain 1 : CH 185



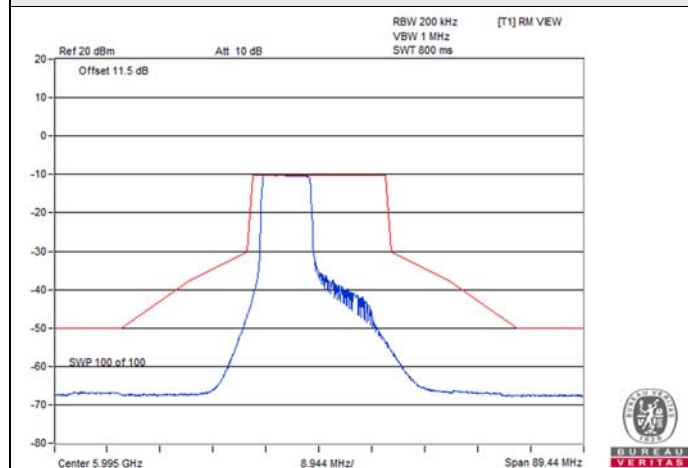
802.11ax (HE20) 52-tone RU / Chain 1 : CH 209



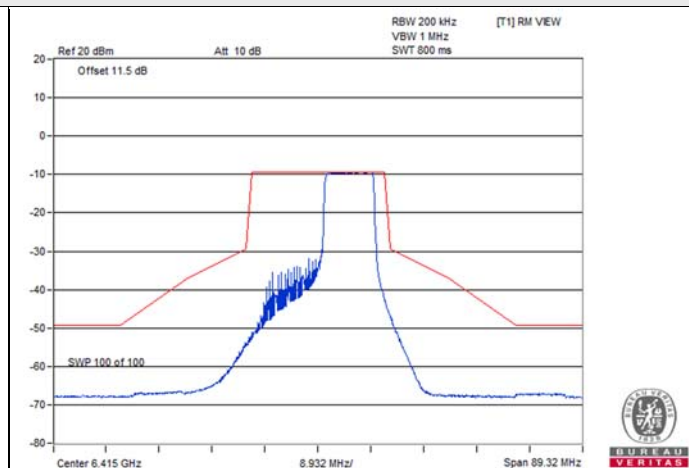
802.11ax (HE20) 52-tone RU / Chain 1 : CH 229

## 802.11ax (HE20) 106-tone RU

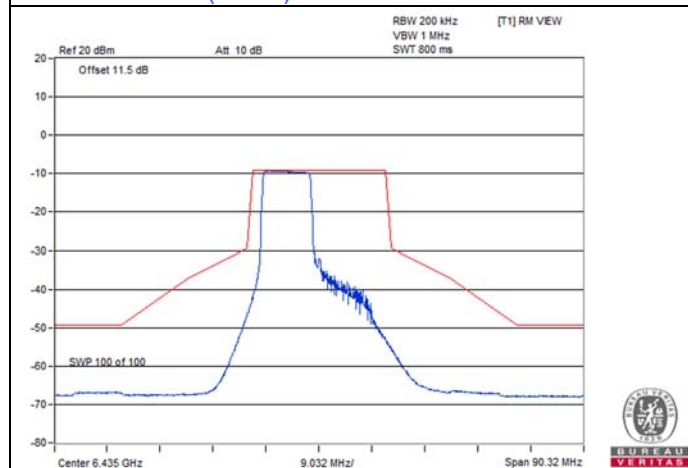
### Spectrum Plot



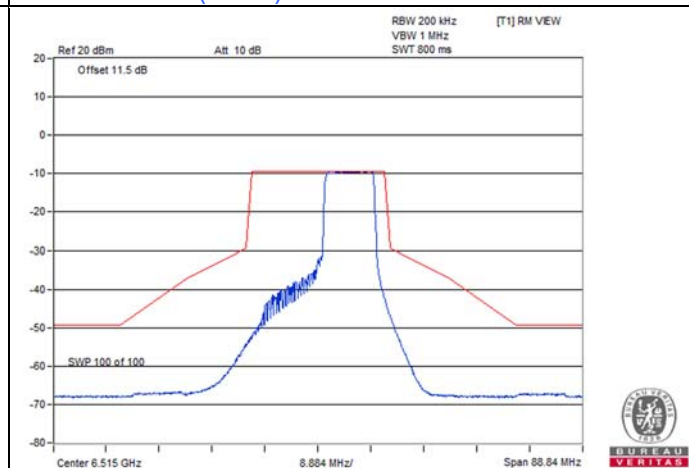
802.11ax (HE20) 106-tone RU / Chain 0 : CH 9



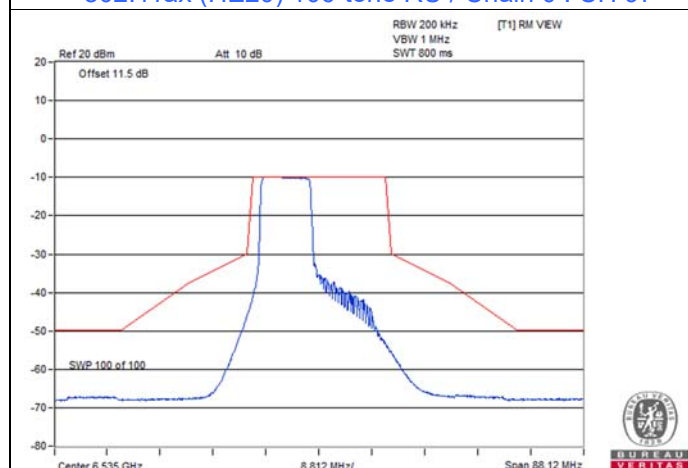
802.11ax (HE20) 106-tone RU / Chain 0 : CH 93



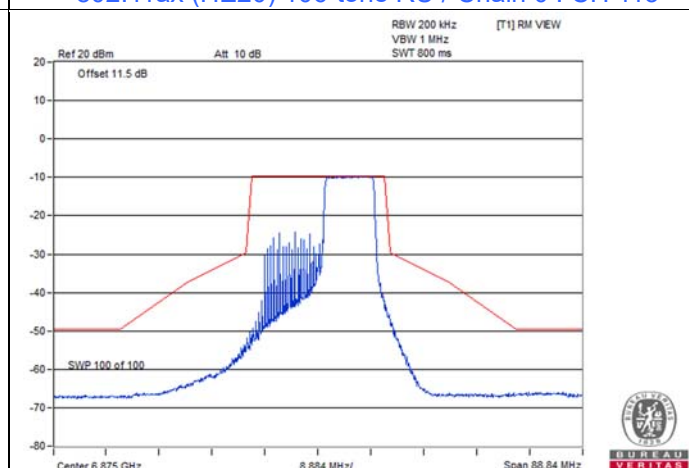
802.11ax (HE20) 106-tone RU / Chain 0 : CH 97



802.11ax (HE20) 106-tone RU / Chain 0 : CH 113

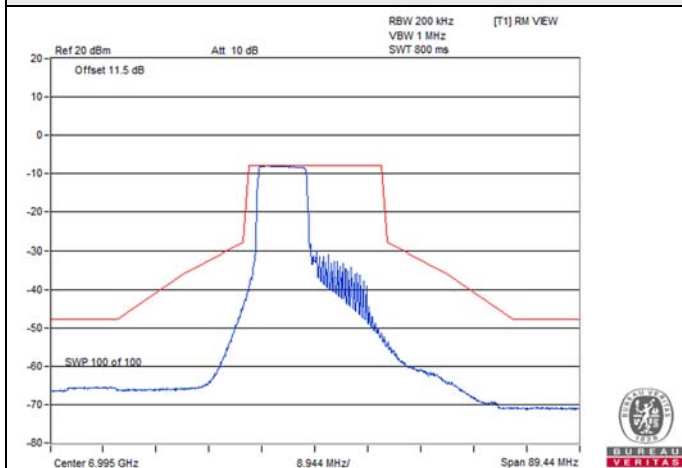


802.11ax (HE20) 106-tone RU / Chain 0 : CH 117

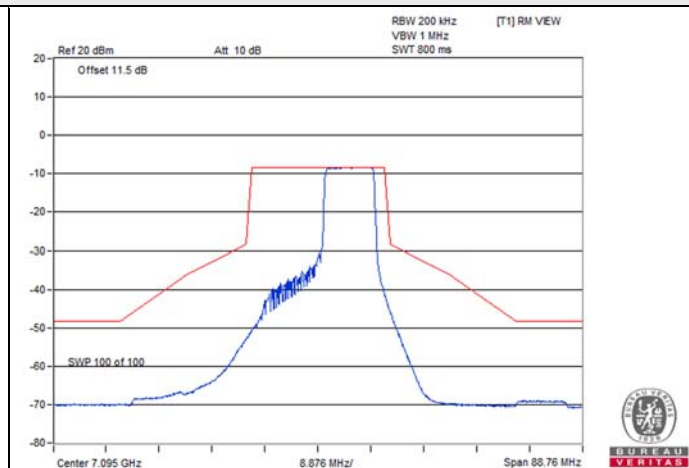


802.11ax (HE20) 106-tone RU / Chain 0 : CH 185

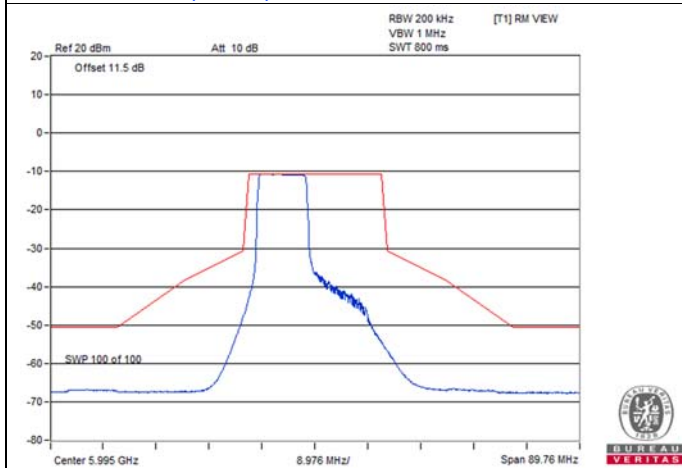
## Spectrum Plot



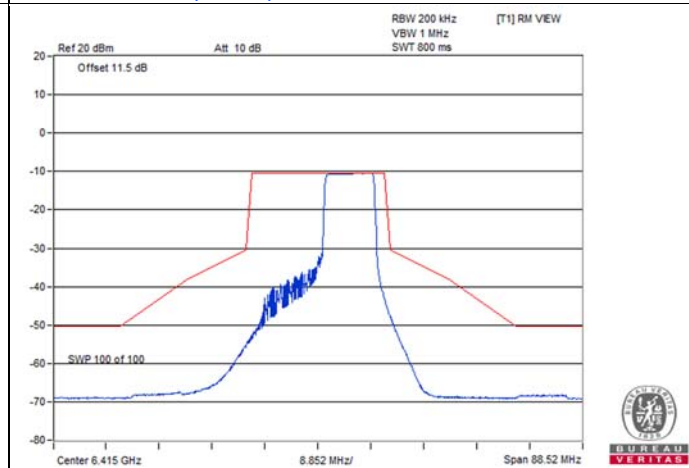
802.11ax (HE20) 106-tone RU / Chain 0 : CH 209



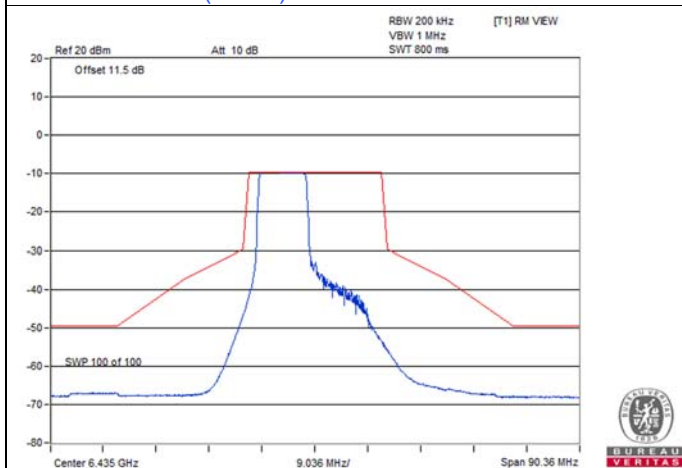
802.11ax (HE20) 106-tone RU / Chain 0 : CH 229



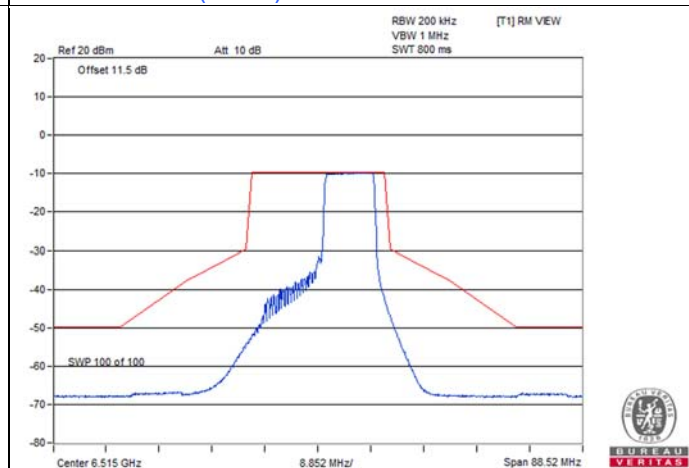
802.11ax (HE20) 106-tone RU / Chain 1 : CH 9



802.11ax (HE20) 106-tone RU / Chain 1 : CH 93

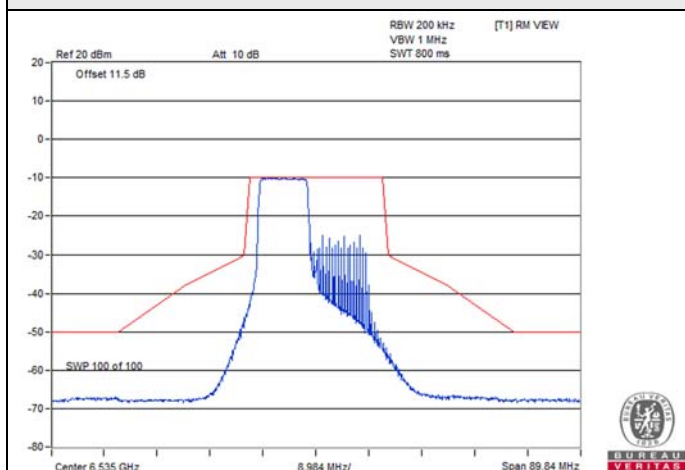


802.11ax (HE20) 106-tone RU / Chain 1 : CH 97

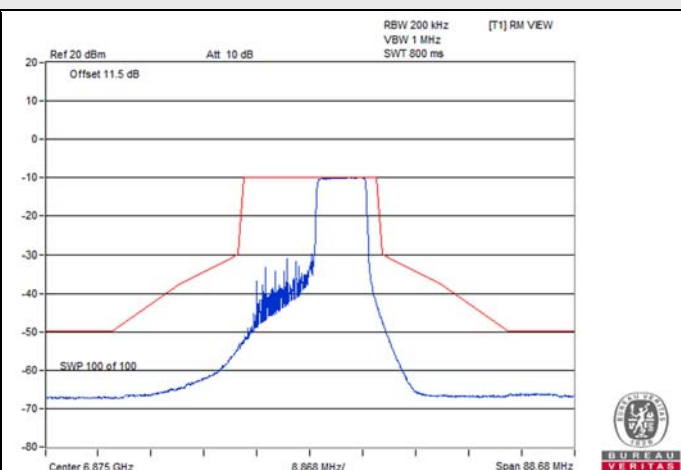


802.11ax (HE20) 106-tone RU / Chain 1 : CH 113

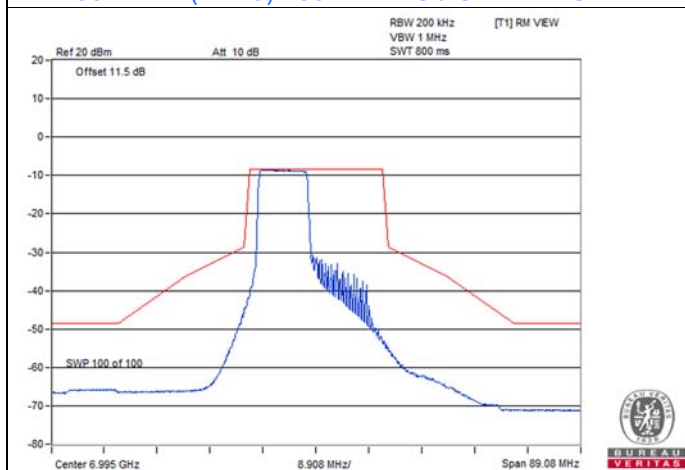
## Spectrum Plot



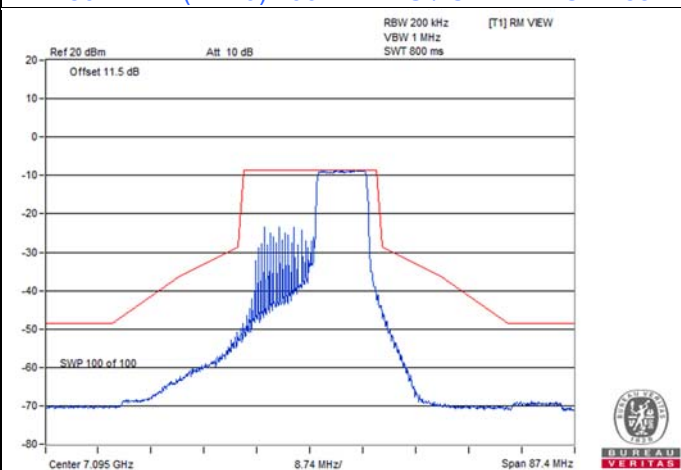
802.11ax (HE20) 106-tone RU / Chain 1 : CH 117



802.11ax (HE20) 106-tone RU / Chain 1 : CH 185



802.11ax (HE20) 106-tone RU / Chain 1 : CH 209



802.11ax (HE20) 106-tone RU / Chain 1 : CH 229

## 7.5 Occupied Bandwidth

|              |                |                           |              |            |           |
|--------------|----------------|---------------------------|--------------|------------|-----------|
| Input Power: | 120 Vac, 60 Hz | Environmental Conditions: | 25°C, 76% RH | Tested By: | Dalen Dai |
|--------------|----------------|---------------------------|--------------|------------|-----------|

### 802.11ax (HE20)

| Channel | Frequency (MHz) | Occupied Bandwidth (MHz) |         | Maximum Limit (MHz) | Test Result |
|---------|-----------------|--------------------------|---------|---------------------|-------------|
|         |                 | Chain 0                  | Chain 1 |                     |             |
| 9       | 5995            | 18.96                    | 18.84   | 320                 | Pass        |
| 45      | 6175            | 18.96                    | 18.96   | 320                 | Pass        |
| 93      | 6415            | 18.96                    | 18.96   | 320                 | Pass        |
| 97      | 6435            | 18.96                    | 18.96   | 320                 | Pass        |
| 105     | 6475            | 18.96                    | 19.08   | 320                 | Pass        |
| 113     | 6515            | 18.96                    | 18.96   | 320                 | Pass        |
| 117     | 6535            | 18.96                    | 18.96   | 320                 | Pass        |
| 149     | 6695            | 18.96                    | 18.96   | 320                 | Pass        |
| 181     | 6855            | 18.96                    | 18.96   | 320                 | Pass        |
| 185     | 6875            | 18.96                    | 18.96   | 320                 | Pass        |
| 209     | 6995            | 18.96                    | 18.96   | 320                 | Pass        |
| 229     | 7095            | 18.96                    | 18.96   | 320                 | Pass        |

### 802.11ax (HE40)

| Channel | Frequency (MHz) | Occupied Bandwidth (MHz) |         | Maximum Limit (MHz) | Test Result |
|---------|-----------------|--------------------------|---------|---------------------|-------------|
|         |                 | Chain 0                  | Chain 1 |                     |             |
| 11      | 6005            | 38.16                    | 38.16   | 320                 | Pass        |
| 43      | 6165            | 38.16                    | 38.16   | 320                 | Pass        |
| 91      | 6405            | 38.16                    | 38.16   | 320                 | Pass        |
| 99      | 6445            | 38.16                    | 38.16   | 320                 | Pass        |
| 107     | 6485            | 38.16                    | 38.16   | 320                 | Pass        |
| 115     | 6525            | 38.16                    | 37.92   | 320                 | Pass        |
| 123     | 6565            | 38.16                    | 38.16   | 320                 | Pass        |
| 155     | 6725            | 38.16                    | 38.16   | 320                 | Pass        |
| 179     | 6845            | 38.16                    | 38.16   | 320                 | Pass        |
| 187     | 6885            | 37.92                    | 38.16   | 320                 | Pass        |
| 211     | 7005            | 37.92                    | 37.92   | 320                 | Pass        |
| 227     | 7085            | 37.92                    | 38.16   | 320                 | Pass        |

### 802.11ax (HE80)

| Channel | Frequency (MHz) | Occupied Bandwidth (MHz) |         | Maximum Limit (MHz) | Test Result |
|---------|-----------------|--------------------------|---------|---------------------|-------------|
|         |                 | Chain 0                  | Chain 1 |                     |             |
| 23      | 6065            | 78.24                    | 78.24   | 320                 | Pass        |
| 39      | 6145            | 77.28                    | 77.28   | 320                 | Pass        |
| 87      | 6385            | 77.28                    | 77.28   | 320                 | Pass        |
| 103     | 6465            | 77.28                    | 77.28   | 320                 | Pass        |
| 119     | 6545            | 77.28                    | 77.28   | 320                 | Pass        |
| 151     | 6705            | 77.28                    | 77.28   | 320                 | Pass        |
| 183     | 6865            | 77.28                    | 77.76   | 320                 | Pass        |
| 199     | 6945            | 77.28                    | 77.28   | 320                 | Pass        |
| 215     | 7025            | 77.28                    | 77.28   | 320                 | Pass        |

### 802.11ax (HE160)

| Channel | Frequency (MHz) | Occupied Bandwidth (MHz) |         | Maximum Limit (MHz) | Test Result |
|---------|-----------------|--------------------------|---------|---------------------|-------------|
|         |                 | Chain 0                  | Chain 1 |                     |             |
| 47      | 6185            | 156.48                   | 156.48  | 320                 | Pass        |
| 79      | 6345            | 156.48                   | 156.48  | 320                 | Pass        |
| 111     | 6505            | 156.48                   | 156.48  | 320                 | Pass        |
| 143     | 6665            | 156.48                   | 156.48  | 320                 | Pass        |
| 175     | 6825            | 156.48                   | 156.48  | 320                 | Pass        |
| 207     | 6985            | 156.48                   | 156.48  | 320                 | Pass        |

### 802.11ax (HE20) 26-tone RU

| Channel | Frequency (MHz) | Occupied Bandwidth (MHz) |         | Maximum Limit (MHz) | Test Result |
|---------|-----------------|--------------------------|---------|---------------------|-------------|
|         |                 | Chain 0                  | Chain 1 |                     |             |
| 9       | 5995            | 18.84                    | 18.96   | 320                 | Pass        |
| 93      | 6415            | 18.72                    | 18.72   | 320                 | Pass        |
| 97      | 6435            | 18.84                    | 18.96   | 320                 | Pass        |
| 113     | 6515            | 18.96                    | 18.84   | 320                 | Pass        |
| 117     | 6535            | 18.96                    | 18.96   | 320                 | Pass        |
| 185     | 6875            | 18.60                    | 18.60   | 320                 | Pass        |
| 209     | 6995            | 18.60                    | 18.84   | 320                 | Pass        |
| 229     | 7095            | 18.60                    | 18.69   | 320                 | Pass        |

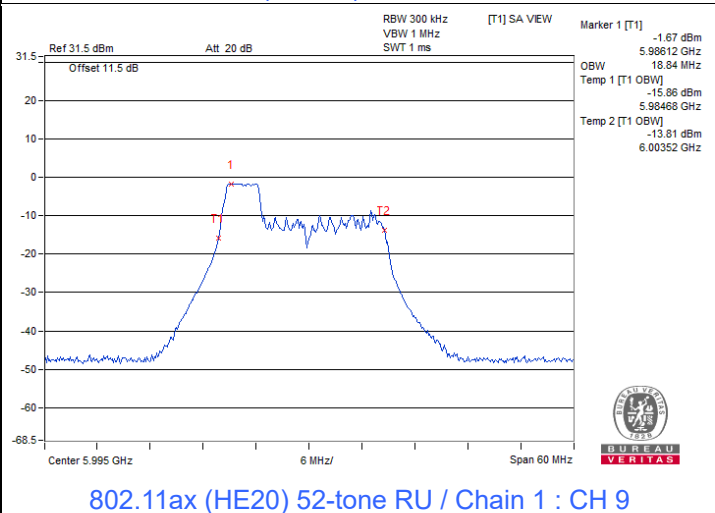
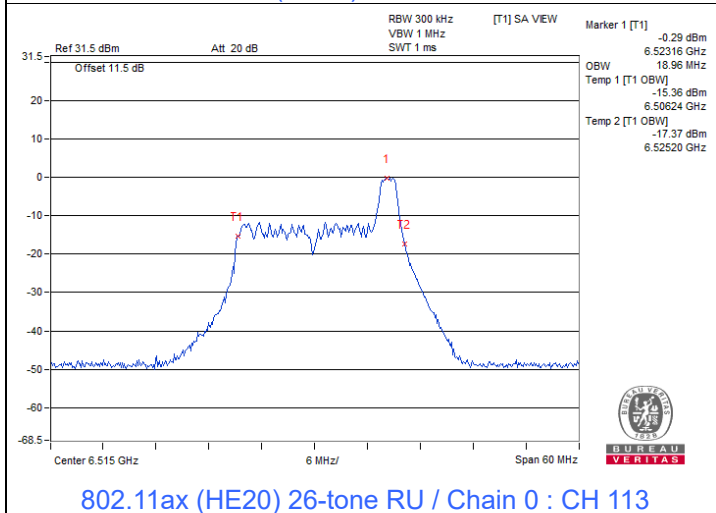
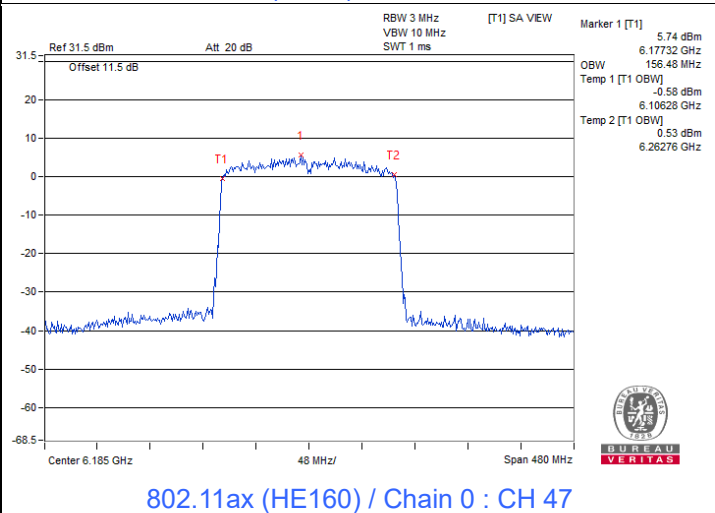
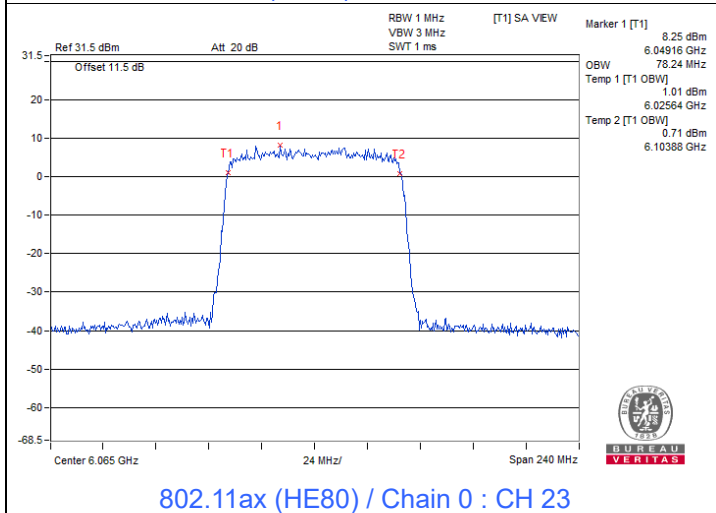
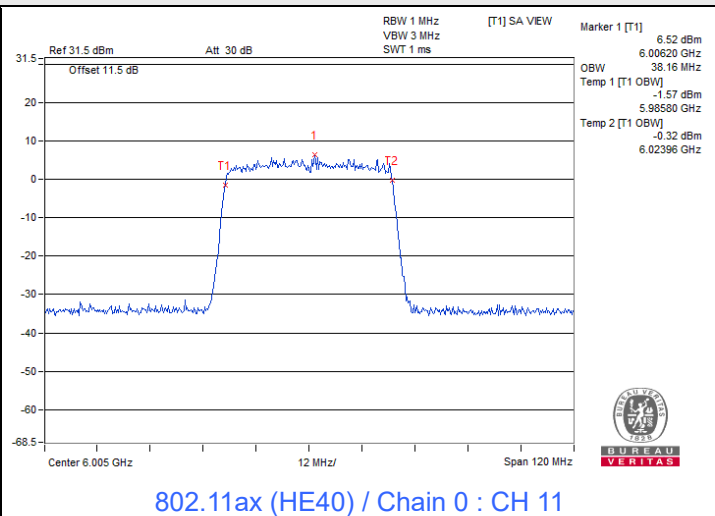
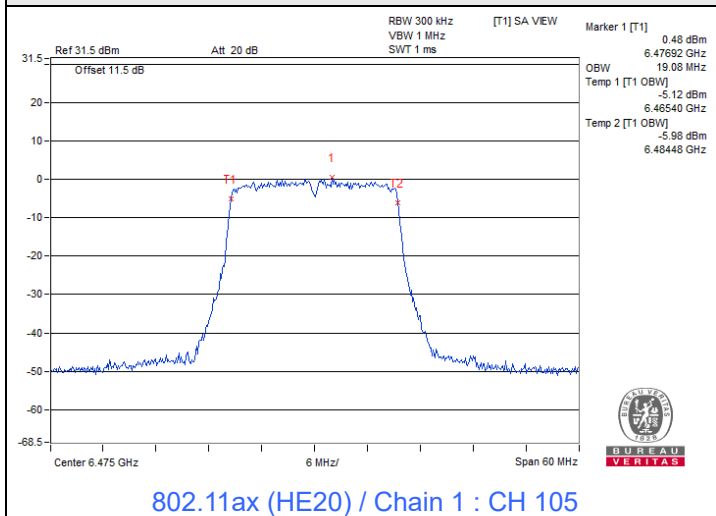
### 802.11ax (HE20) 52-tone RU

| Channel | Frequency (MHz) | Occupied Bandwidth (MHz) |         | Maximum Limit (MHz) | Test Result |
|---------|-----------------|--------------------------|---------|---------------------|-------------|
|         |                 | Chain 0                  | Chain 1 |                     |             |
| 9       | 5995            | 18.60                    | 18.84   | 320                 | Pass        |
| 93      | 6415            | 18.72                    | 18.48   | 320                 | Pass        |
| 97      | 6435            | 18.72                    | 18.72   | 320                 | Pass        |
| 113     | 6515            | 18.48                    | 18.48   | 320                 | Pass        |
| 117     | 6535            | 18.60                    | 18.72   | 320                 | Pass        |
| 185     | 6875            | 18.48                    | 18.48   | 320                 | Pass        |
| 209     | 6995            | 18.60                    | 18.48   | 320                 | Pass        |
| 229     | 7095            | 18.36                    | 18.36   | 320                 | Pass        |

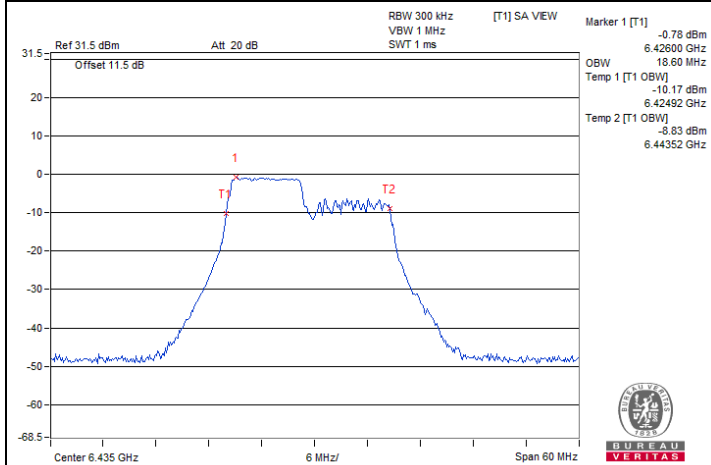
### 802.11ax (HE20) 106-tone RU

| Channel | Frequency (MHz) | Occupied Bandwidth (MHz) |         | Maximum Limit (MHz) | Test Result |
|---------|-----------------|--------------------------|---------|---------------------|-------------|
|         |                 | Chain 0                  | Chain 1 |                     |             |
| 9       | 5995            | 18.48                    | 18.36   | 320                 | Pass        |
| 93      | 6415            | 18.48                    | 18.48   | 320                 | Pass        |
| 97      | 6435            | 18.36                    | 18.60   | 320                 | Pass        |
| 113     | 6515            | 18.48                    | 18.48   | 320                 | Pass        |
| 117     | 6535            | 18.36                    | 18.36   | 320                 | Pass        |
| 185     | 6875            | 18.48                    | 18.48   | 320                 | Pass        |
| 209     | 6995            | 18.48                    | 18.24   | 320                 | Pass        |
| 229     | 7095            | 18.48                    | 18.48   | 320                 | Pass        |

## Spectrum Plot of Maximum Value



### Spectrum Plot of Maximum Value



802.11ax (HE20) 106-tone RU / Chain 1 : CH 97

## 7.6 Frequency Stability

|              |         |                           |              |            |           |
|--------------|---------|---------------------------|--------------|------------|-----------|
| Input Power: | 3.87Vdc | Environmental Conditions: | 25°C, 76% RH | Tested By: | Dalen Dai |
|--------------|---------|---------------------------|--------------|------------|-----------|

| Frequency Stability Versus Temperature |                    |                          |             |                          |             |                          |             |                          |             |
|----------------------------------------|--------------------|--------------------------|-------------|--------------------------|-------------|--------------------------|-------------|--------------------------|-------------|
| Operating Frequency: 5995 MHz          |                    |                          |             |                          |             |                          |             |                          |             |
| Temp. (°C)                             | Power Supply (Vdc) | 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 |
| 50                                     | 3.87               | 5995.0021                | Pass        | 5995.0008                | Pass        | 5995.0032                | Pass        | 5995.0021                | Pass        |
| 40                                     | 3.87               | 5994.9864                | Pass        | 5994.9876                | Pass        | 5994.9856                | Pass        | 5994.9856                | Pass        |
| 30                                     | 3.87               | 5994.9814                | Pass        | 5994.9802                | Pass        | 5994.9767                | Pass        | 5994.9782                | Pass        |
| 20                                     | 3.87               | 5995.006                 | Pass        | 5995.008                 | Pass        | 5995.0064                | Pass        | 5995.0069                | Pass        |
| 10                                     | 3.87               | 5995.0256                | Pass        | 5995.0253                | Pass        | 5995.0246                | Pass        | 5995.0267                | Pass        |
| 0                                      | 3.87               | 5995.017                 | Pass        | 5995.0195                | Pass        | 5995.0163                | Pass        | 5995.017                 | Pass        |
| -10                                    | 3.87               | 5994.9801                | Pass        | 5994.9805                | Pass        | 5994.9822                | Pass        | 5994.9787                | Pass        |
| -20                                    | 3.87               | 5994.9805                | Pass        | 5994.9817                | Pass        | 5994.9811                | Pass        | 5994.9785                | Pass        |

| Frequency Stability Versus Voltage |                    |                          |             |                          |             |                          |             |                          |             |
|------------------------------------|--------------------|--------------------------|-------------|--------------------------|-------------|--------------------------|-------------|--------------------------|-------------|
| Operating Frequency: 5995 MHz      |                    |                          |             |                          |             |                          |             |                          |             |
| Temp. (°C)                         | Power Supply (Vdc) | 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                                 | 4.4505             | 5995.0006                | Pass        | 5995.0017                | Pass        | 5995.0017                | Pass        | 5995.0016                | Pass        |
|                                    | 3.87               | 5995.006                 | Pass        | 5995.008                 | Pass        | 5995.0064                | Pass        | 5995.0069                | Pass        |
|                                    | 3.2895             | 5995.0029                | Pass        | 5995.0021                | Pass        | 5995.0029                | Pass        | 5995.0004                | Pass        |

## 7.7 Contention-based Protocol

|                           |              |            |           |
|---------------------------|--------------|------------|-----------|
| Environmental Conditions: | 25°C, 60% RH | Tested By: | Stan Shih |
|---------------------------|--------------|------------|-----------|

| Companion Device Information |         |           |                           |
|------------------------------|---------|-----------|---------------------------|
| Product                      | Brand   | Model No. | Software/Firmware Version |
| Wireless Router              | Netgear | WAX630E   | V10.3.2.4                 |

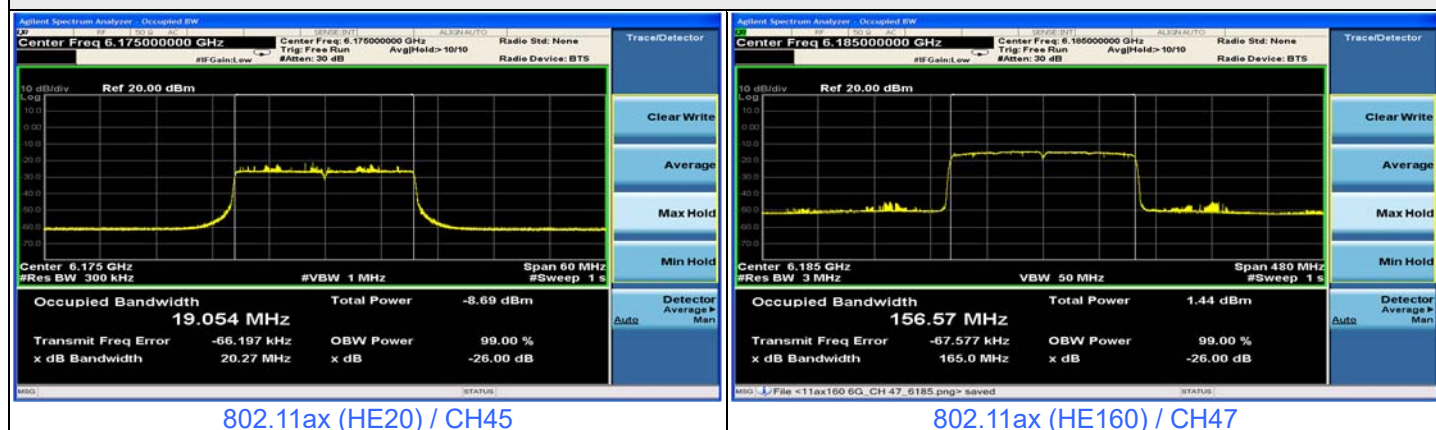
| Contention Based Protocol Measurement |                         |                |                     |                        |             |                    |                         |                      |                 |               |
|---------------------------------------|-------------------------|----------------|---------------------|------------------------|-------------|--------------------|-------------------------|----------------------|-----------------|---------------|
| Operation Mode                        | Channel Bandwidth (MHz) | Channel Number | Channel Freq. (MHz) | Injected Signal (AWGN) |             | Antenna Gain (dBi) | Path Loss (dB) (Note 3) | Adjusted Power (dBm) | Detection Limit | EUT TX Status |
|                                       |                         |                |                     | Freq. (MHz)            | Power (dBm) |                    |                         |                      |                 |               |
| 802.11ax                              | 20                      | 45             | 6175                | 6175                   | -70         | -2.7               | 0                       | -67.3                | -62             | OFF           |
|                                       |                         |                |                     |                        | -74         | -2.7               | 0                       | -71.3                | -62             | Minimal       |
|                                       |                         |                |                     |                        | -85         | -2.7               | 0                       | -82.3                | -62             | ON            |
|                                       | 160                     | 47             | 6185                | 6110                   | -77         | -2.7               | 0                       | -74.3                | -62             | OFF           |
|                                       |                         |                |                     |                        | -81         | -2.7               | 0                       | -78.3                | -62             | Minimal       |
|                                       |                         |                |                     |                        | -85         | -2.7               | 0                       | -82.3                | -62             | ON            |
|                                       |                         |                |                     | 6185                   | -72         | -2.7               | 0                       | -69.3                | -62             | OFF           |
|                                       |                         |                |                     |                        | -75         | -2.7               | 0                       | -72.3                | -62             | Minimal       |
|                                       |                         |                |                     |                        | -85         | -2.7               | 0                       | -82.3                | -62             | ON            |
|                                       |                         |                |                     | 6260                   | -77         | -2.7               | 0                       | -74.3                | -62             | OFF           |
|                                       |                         |                |                     |                        | -80         | -2.7               | 0                       | -77.3                | -62             | Minimal       |
|                                       |                         |                |                     |                        | -85         | -2.7               | 0                       | -82.3                | -62             | ON            |

Notes:

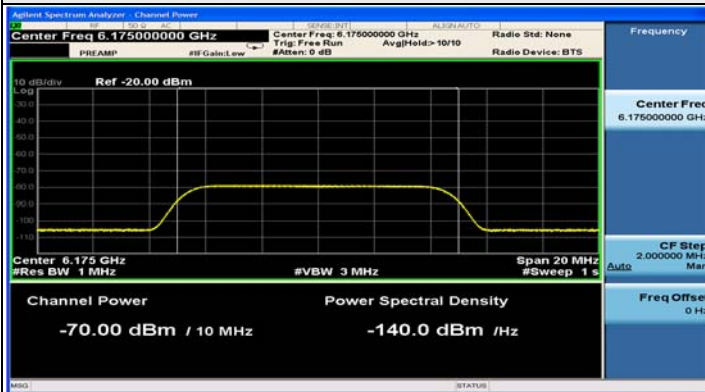
1. After investigation (consider antenna gain and path loss), the one representative port (Ant. 2) was measured and presented in the report.
2. Adjusted Power (dBm) = Injected Signal (AWGN) Power (dBm) - Antenna Gain (dBi) + Path Loss (dB)
3. Antenna gain values include all the applicable path losses.

| Contention Based Protocol Detection Probability |                         |                         |     |     |     |     |     |     |     |     |     |     |                       |                 |             |
|-------------------------------------------------|-------------------------|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------------------|-----------------|-------------|
| Operation Mode                                  | Channel Bandwidth (MHz) | AWGN Signal Freq. (MHz) | #01 | #02 | #03 | #04 | #05 | #06 | #07 | #08 | #09 | #10 | Detection Probability | Detection Limit | Test Result |
| 802.11ax                                        | 20                      | 6175                    | v   | v   | v   | v   | v   | v   | v   | v   | v   | v   | 100%                  | 90%             | Pass        |
|                                                 | 160                     | 6110                    | v   | v   | v   | v   | v   | v   | v   | v   | v   | v   | 100%                  | 90%             | Pass        |
|                                                 |                         | 6185                    | v   | v   | v   | v   | v   | v   | v   | v   | v   | v   | 100%                  | 90%             | Pass        |
|                                                 |                         | 6260                    | v   | v   | v   | v   | v   | v   | v   | v   | v   | v   | 100%                  | 90%             | Pass        |

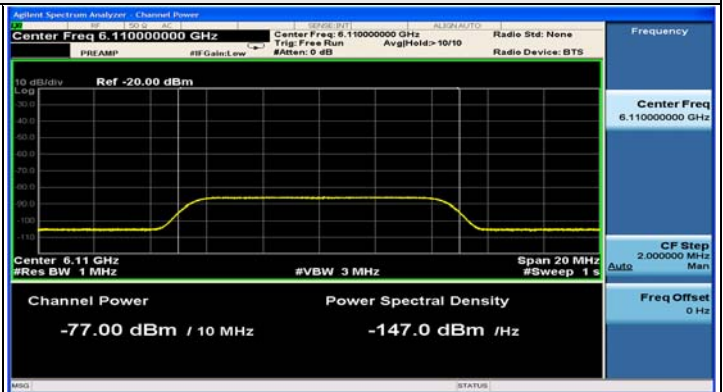
Plots of EUT Tx waveform



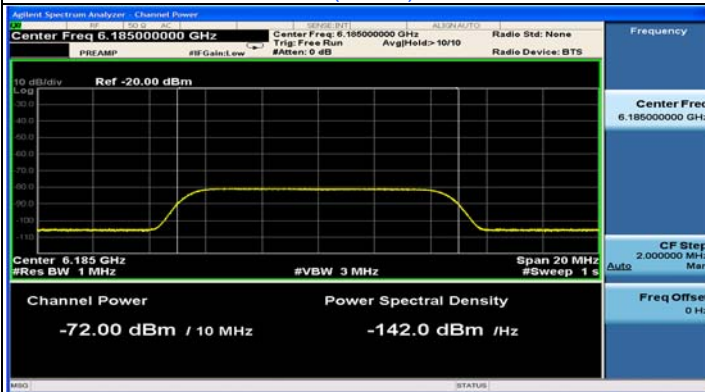
### Plots of Injected signal (AWGN) level



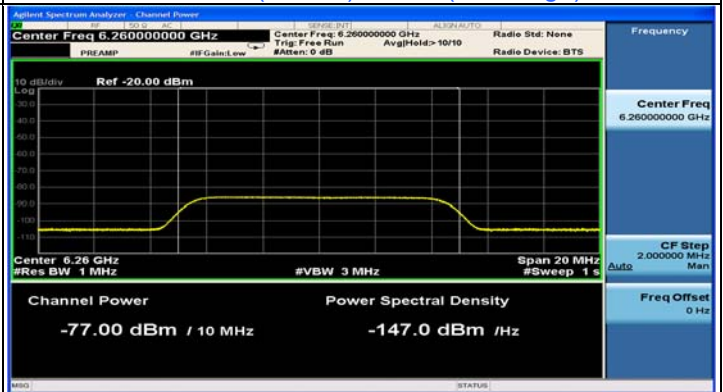
802.11ax (HE20) / CH45



802.11ax (HE160) / CH47(Low Edge)

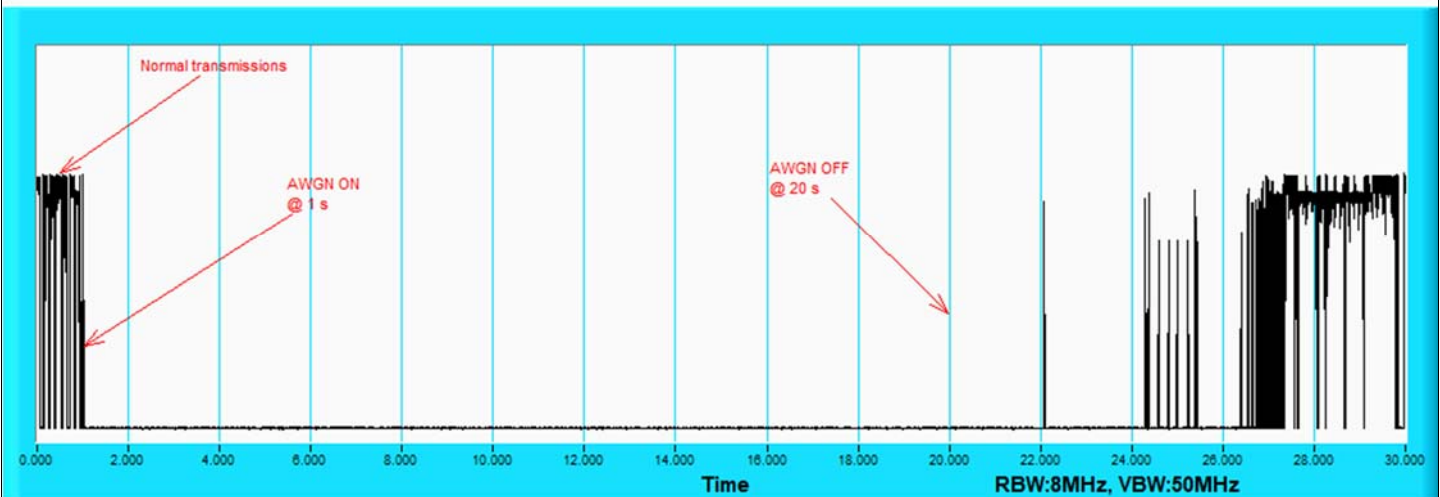


802.11ax (HE160) / CH47(Middle)



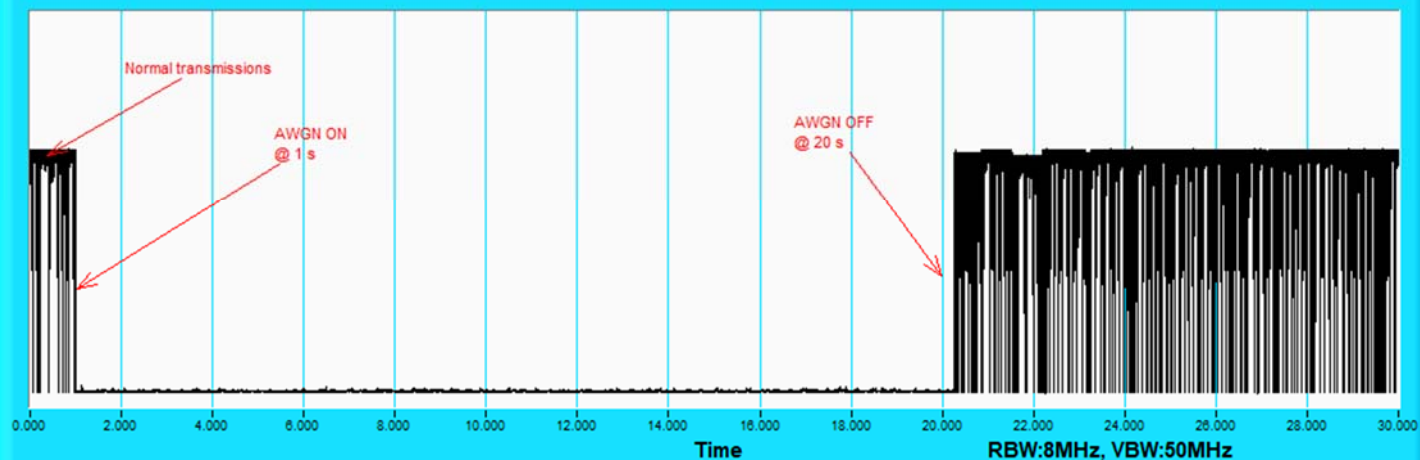
802.11ax (HE160) / CH47(High Edge)

### Plots of EUT ceased transmission in the time domain

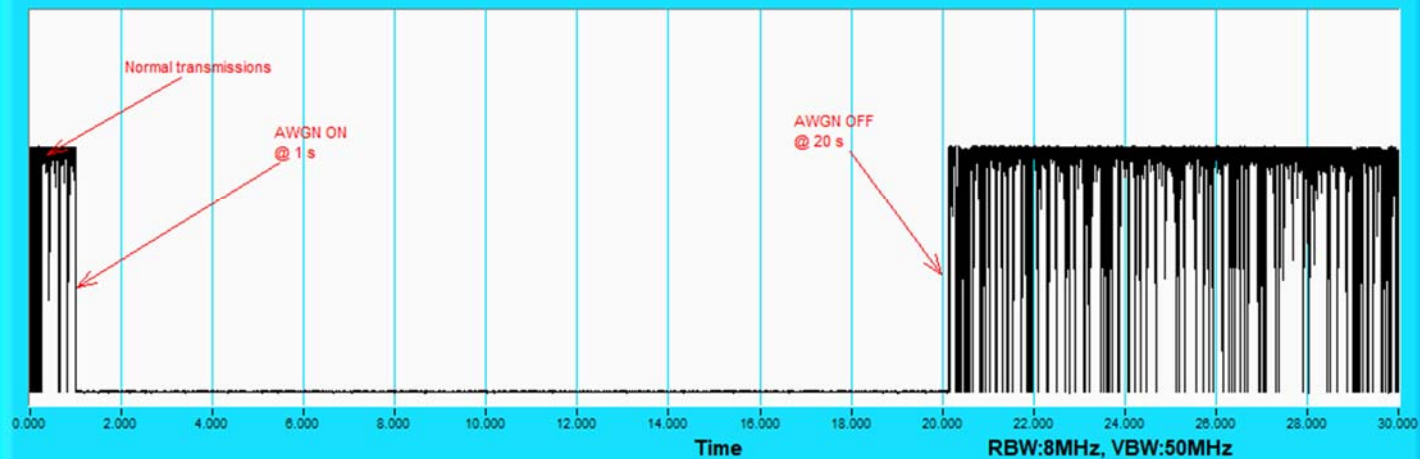


802.11ax (HE20) / CH45

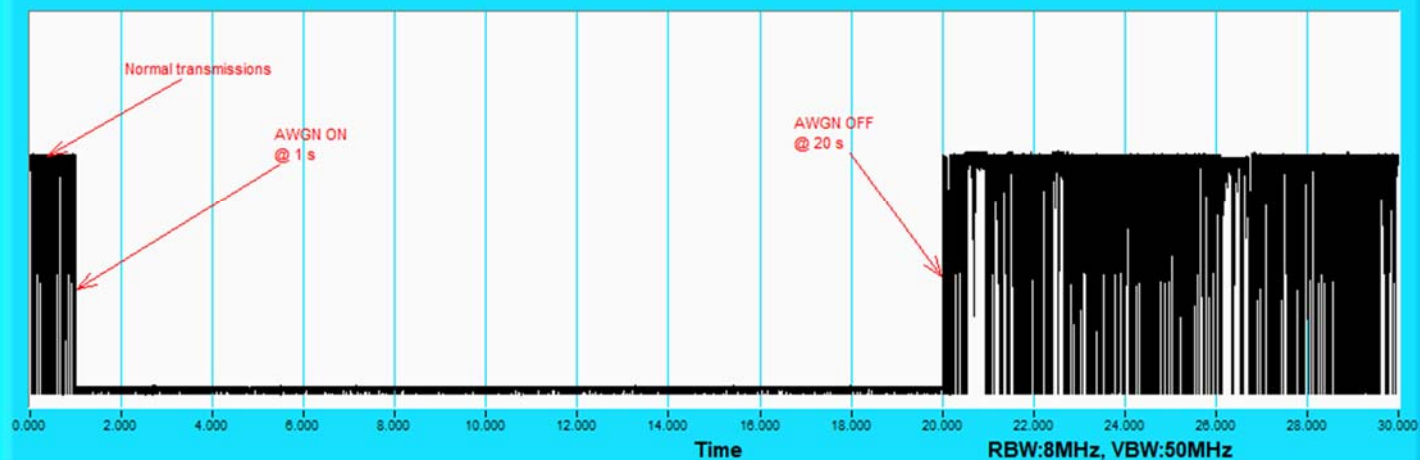
# Plots of EUT ceased transmission in the time domain



802.11ax (HE160) / CH47(Low Edge)



802.11ax (HE160) / CH47(Middle)



802.11ax (HE160) / CH47(High Edge)

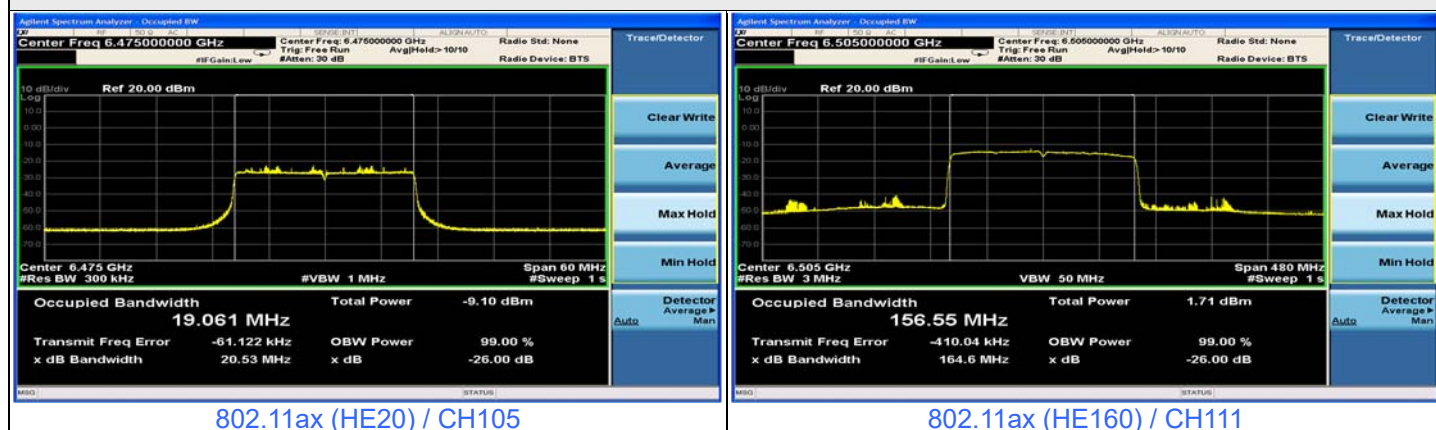
| Contention Based Protocol Measurement |                         |                |                     |                        |             |                    |                         |                      |                 |               |
|---------------------------------------|-------------------------|----------------|---------------------|------------------------|-------------|--------------------|-------------------------|----------------------|-----------------|---------------|
| Operation Mode                        | Channel Bandwidth (MHz) | Channel Number | Channel Freq. (MHz) | Injected Signal (AWGN) |             | Antenna Gain (dBi) | Path Loss (dB) (Note 3) | Adjusted Power (dBm) | Detection Limit | EUT TX Status |
|                                       |                         |                |                     | Freq. (MHz)            | Power (dBm) |                    |                         |                      |                 |               |
| 802.11ax                              | 20                      | 105            | 6475                | 6475                   | -82         | -2.7               | 0                       | -79.3                | -62             | OFF           |
|                                       |                         |                |                     |                        | -84         | -2.7               | 0                       | -81.3                | -62             | Minimal       |
|                                       |                         |                |                     |                        | -85         | -2.7               | 0                       | -82.3                | -62             | ON            |
|                                       | 160                     | 111            | 6505                | 6430                   | -77         | -2.7               | 0                       | -74.3                | -62             | OFF           |
|                                       |                         |                |                     |                        | -79         | -2.7               | 0                       | -76.3                | -62             | Minimal       |
|                                       |                         |                |                     |                        | -85         | -2.7               | 0                       | -82.3                | -62             | ON            |
|                                       |                         |                |                     | 6505                   | -74         | -2.7               | 0                       | -71.3                | -62             | OFF           |
|                                       |                         |                |                     |                        | -75         | -2.7               | 0                       | -72.3                | -62             | Minimal       |
|                                       |                         |                |                     |                        | -85         | -2.7               | 0                       | -82.3                | -62             | ON            |
|                                       |                         |                |                     | 6580                   | -77         | -2.7               | 0                       | -74.3                | -62             | OFF           |
|                                       |                         |                |                     |                        | -79         | -2.7               | 0                       | -76.3                | -62             | Minimal       |
|                                       |                         |                |                     |                        | -85         | -2.7               | 0                       | -82.3                | -62             | ON            |

Notes:

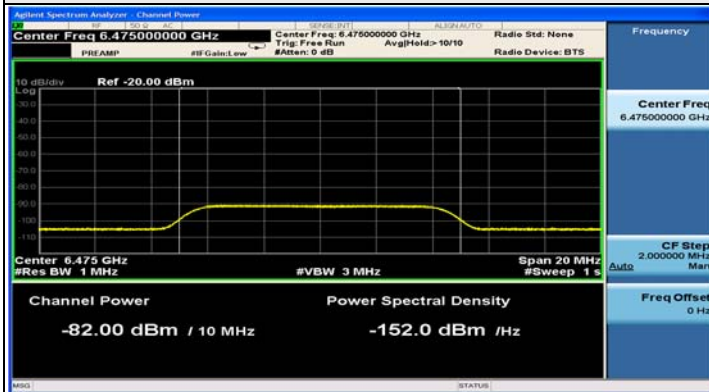
1. After investigation (consider antenna gain and path loss), the one representative port (Ant. 2) was measured and presented in the report.
2. Adjusted Power (dBm) = Injected Signal (AWGN) Power (dBm) - Antenna Gain (dBi) + Path Loss (dB)
3. Antenna gain values include all the applicable path losses.

| Contention Based Protocol Detection Probability |                         |                         |     |     |     |     |     |     |     |     |     |     |                       |                 |             |
|-------------------------------------------------|-------------------------|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------------------|-----------------|-------------|
| Operation Mode                                  | Channel Bandwidth (MHz) | AWGN Signal Freq. (MHz) | #01 | #02 | #03 | #04 | #05 | #06 | #07 | #08 | #09 | #10 | Detection Probability | Detection Limit | Test Result |
| 802.11ax                                        | 20                      | 6475                    | v   | v   | v   | v   | v   | v   | v   | v   | v   | v   | 100%                  | 90%             | Pass        |
|                                                 | 160                     | 6430                    | v   | v   | v   | v   | v   | v   | v   | v   | v   | v   | 100%                  | 90%             | Pass        |
|                                                 |                         | 6505                    | v   | v   | v   | v   | v   | v   | v   | v   | v   | v   | 100%                  | 90%             | Pass        |
|                                                 |                         | 6580                    | v   | v   | v   | v   | v   | v   | v   | v   | v   | v   | 100%                  | 90%             | Pass        |

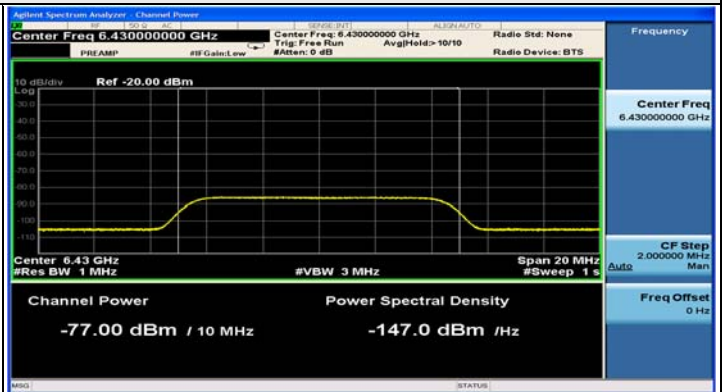
Plots of EUT Tx waveform



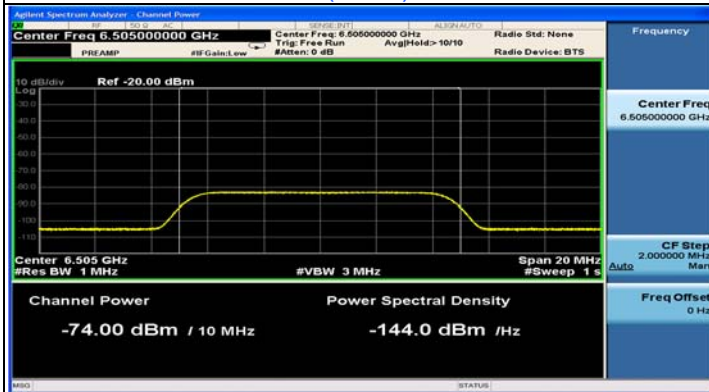
### Plots of Injected signal (AWGN) level



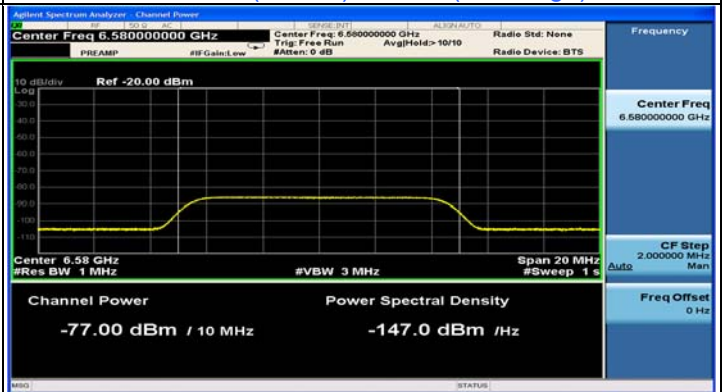
802.11ax (HE20) / CH105



802.11ax (HE160) / CH111(Low Edge)

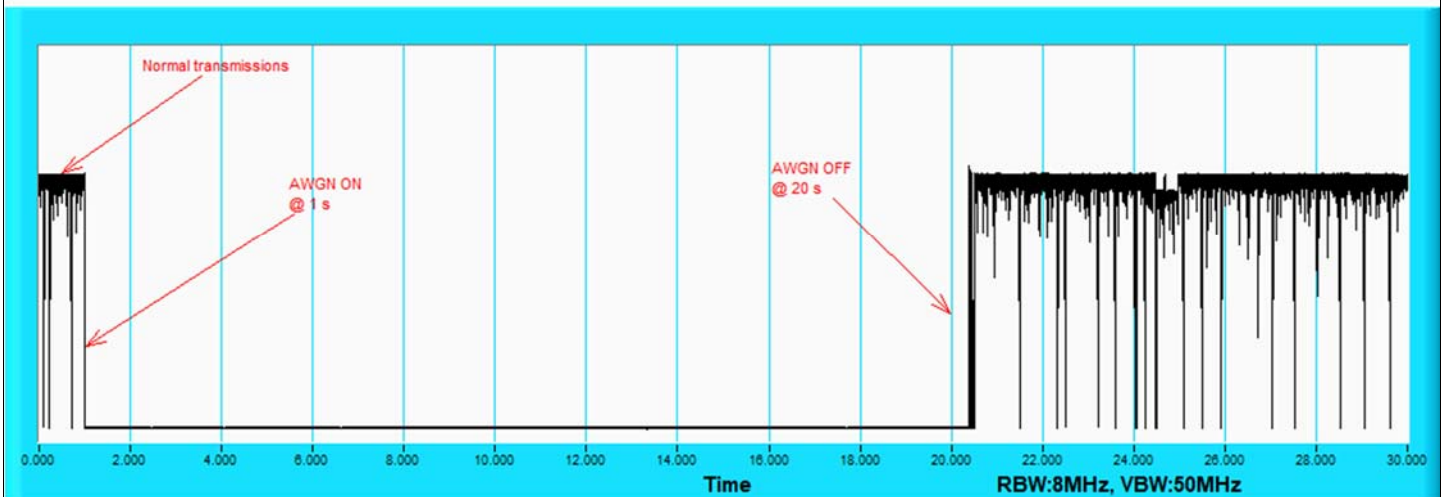


802.11ax (HE160) / CH111(Middle)



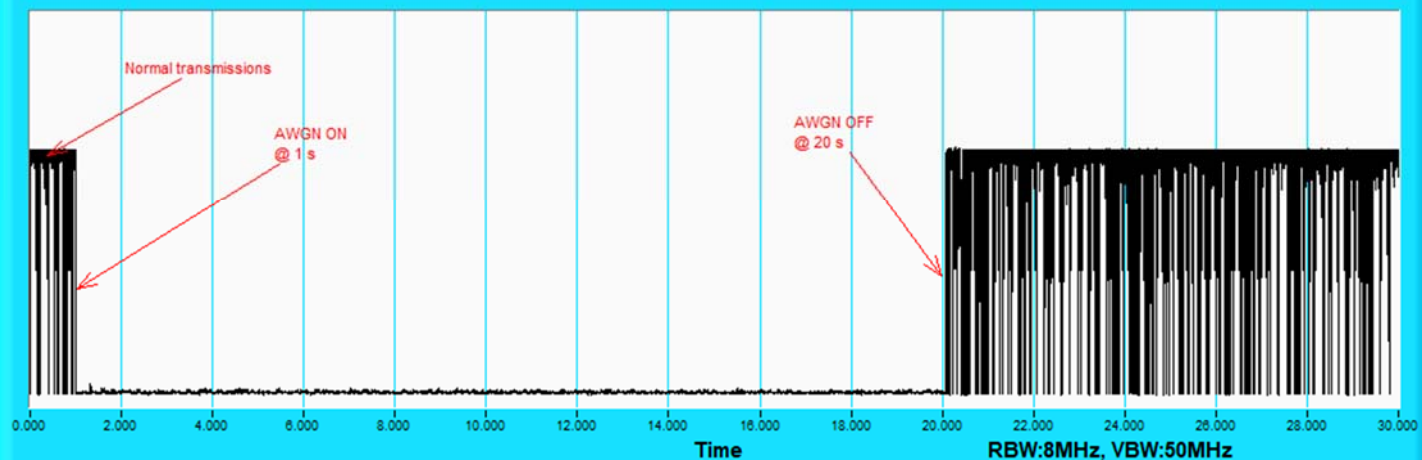
802.11ax (HE160) / CH111(High Edge)

### Plots of EUT ceased transmission in the time domain

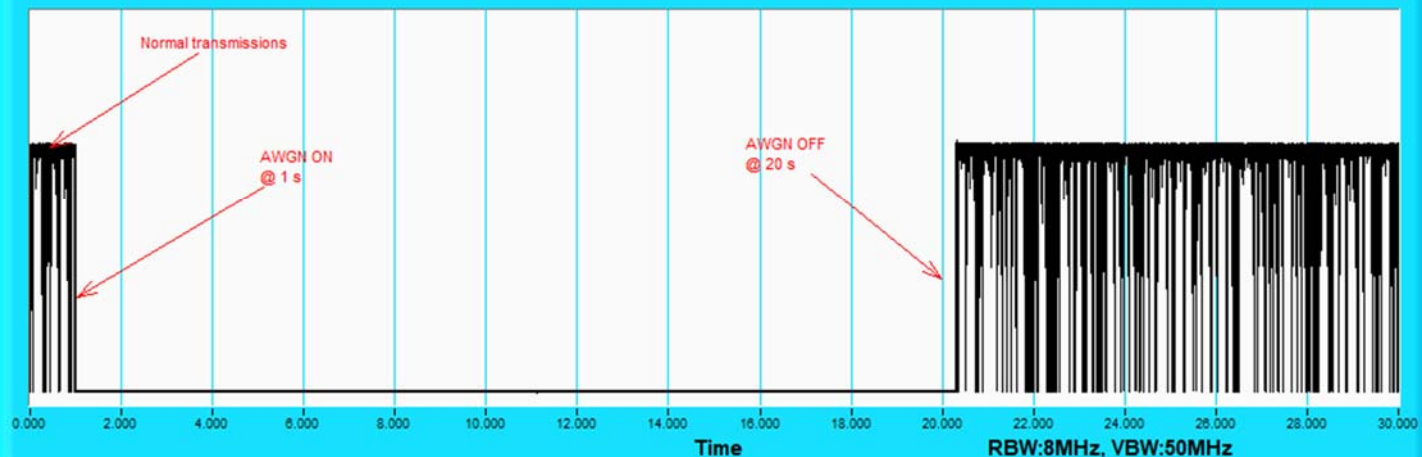


802.11ax (HE20) / CH105

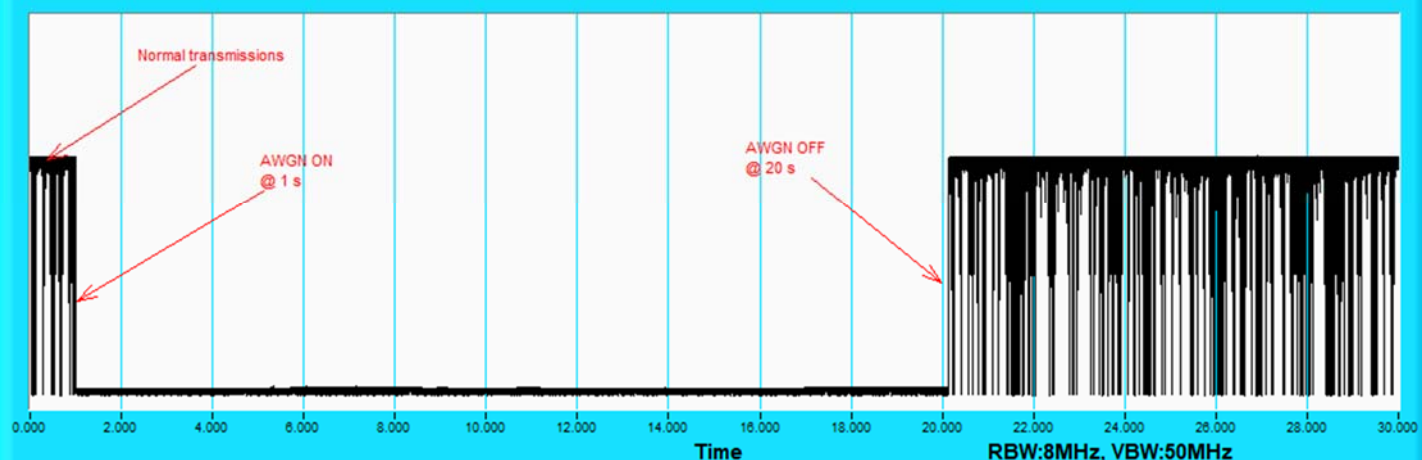
# Plots of EUT ceased transmission in the time domain



802.11ax (HE160) / CH111(Low Edge)



802.11ax (HE160) / CH111(Middle)



802.11ax (HE160) / CH111(High Edge)

For U-NII-7

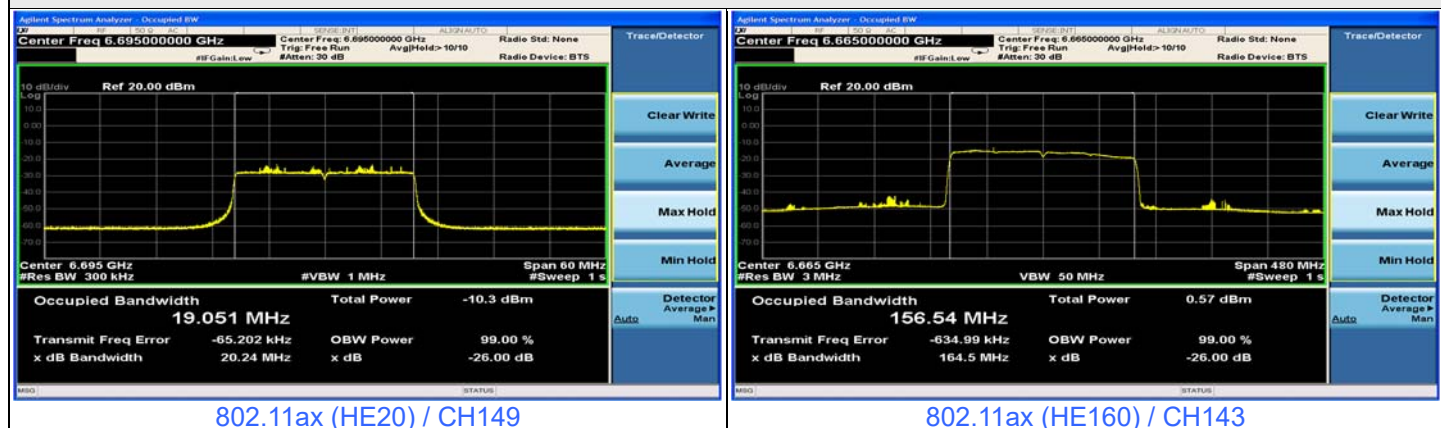
| Contention Based Protocol Measurement |                         |                |                     |                        |             |                    |                         |                      |                 |               |
|---------------------------------------|-------------------------|----------------|---------------------|------------------------|-------------|--------------------|-------------------------|----------------------|-----------------|---------------|
| Operation Mode                        | Channel Bandwidth (MHz) | Channel Number | Channel Freq. (MHz) | Injected Signal (AWGN) |             | Antenna Gain (dBi) | Path Loss (dB) (Note 3) | Adjusted Power (dBm) | Detection Limit | EUT TX Status |
|                                       |                         |                |                     | Freq. (MHz)            | Power (dBm) |                    |                         |                      |                 |               |
| 802.11ax                              | 20                      | 149            | 6695                | 6695                   | -70         | -2.7               | 0                       | -67.3                | -62             | OFF           |
|                                       |                         |                |                     |                        | -72         | -2.7               | 0                       | -69.3                | -62             | Minimal       |
|                                       |                         |                |                     |                        | -85         | -2.7               | 0                       | -82.3                | -62             | ON            |
|                                       | 160                     | 143            | 6665                | 6590                   | -81         | -2.7               | 0                       | -78.3                | -62             | OFF           |
|                                       |                         |                |                     |                        | -83         | -2.7               | 0                       | -80.3                | -62             | Minimal       |
|                                       |                         |                |                     |                        | -85         | -2.7               | 0                       | -82.3                | -62             | ON            |
|                                       |                         |                |                     | 6665                   | -77         | -2.7               | 0                       | -74.3                | -62             | OFF           |
|                                       |                         |                |                     |                        | -79         | -2.7               | 0                       | -76.3                | -62             | Minimal       |
|                                       |                         |                |                     |                        | -85         | -2.7               | 0                       | -82.3                | -62             | ON            |
|                                       |                         |                |                     | 6740                   | -78         | -2.7               | 0                       | -75.3                | -62             | OFF           |
|                                       |                         |                |                     |                        | -83         | -2.7               | 0                       | -80.3                | -62             | Minimal       |
|                                       |                         |                |                     |                        | -85         | -2.7               | 0                       | -82.3                | -62             | ON            |

Notes:

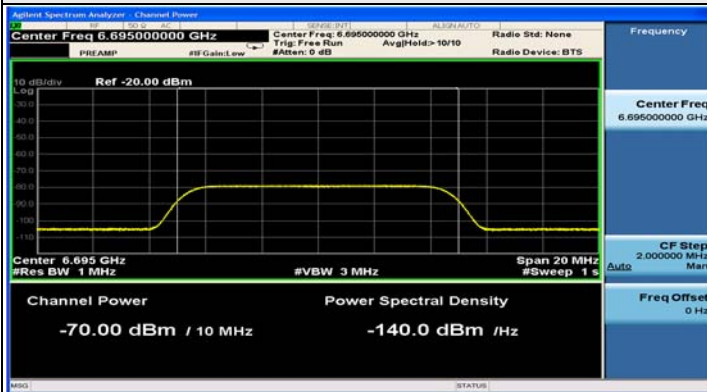
1. After investigation (consider antenna gain and path loss), the one representative port (Ant. 2) was measured and presented in the report.
2. Adjusted Power (dBm) = Injected Signal (AWGN) Power (dBm) - Antenna Gain (dBi) + Path Loss (dB)
3. Antenna gain values include all the applicable path losses.

| Contention Based Protocol Detection Probability |                         |                         |     |     |     |     |     |     |     |     |     |     |                       |                 |             |
|-------------------------------------------------|-------------------------|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------------------|-----------------|-------------|
| Operation Mode                                  | Channel Bandwidth (MHz) | AWGN Signal Freq. (MHz) | #01 | #02 | #03 | #04 | #05 | #06 | #07 | #08 | #09 | #10 | Detection Probability | Detection Limit | Test Result |
| 802.11ax                                        | 20                      | 6695                    | v   | v   | v   | v   | v   | v   | v   | v   | v   | v   | 100%                  | 90%             | Pass        |
|                                                 | 160                     | 6590                    | v   | v   | v   | v   | v   | v   | v   | v   | v   | v   | 100%                  | 90%             | Pass        |
|                                                 |                         | 6665                    | v   | v   | v   | v   | v   | v   | v   | v   | v   | v   | 100%                  | 90%             | Pass        |
|                                                 |                         | 6740                    | v   | v   | v   | v   | v   | v   | v   | v   | v   | v   | 100%                  | 90%             | Pass        |

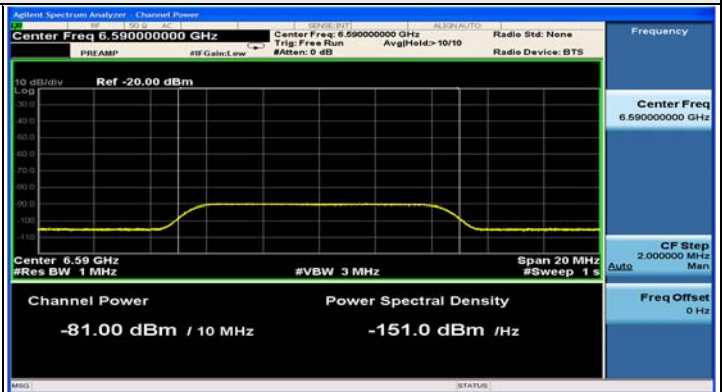
Plots of EUT Tx waveform



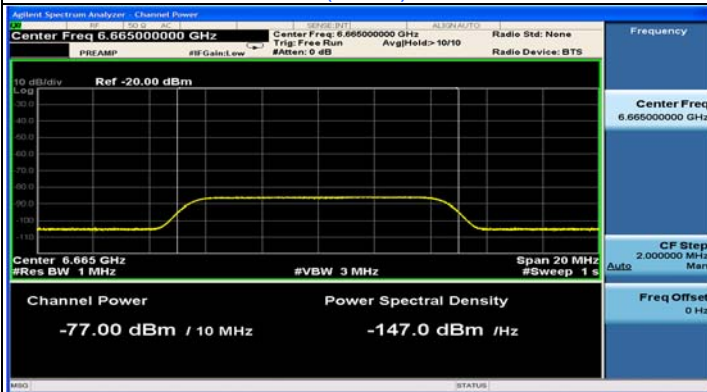
### Plots of Injected signal (AWGN) level



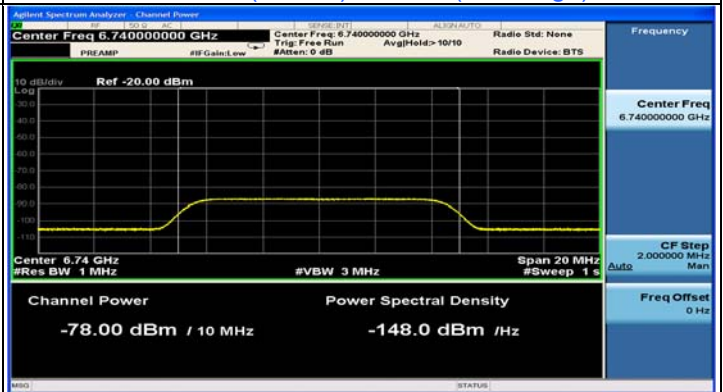
802.11ax (HE20) / CH149



802.11ax (HE160) / CH143(Low Edge)

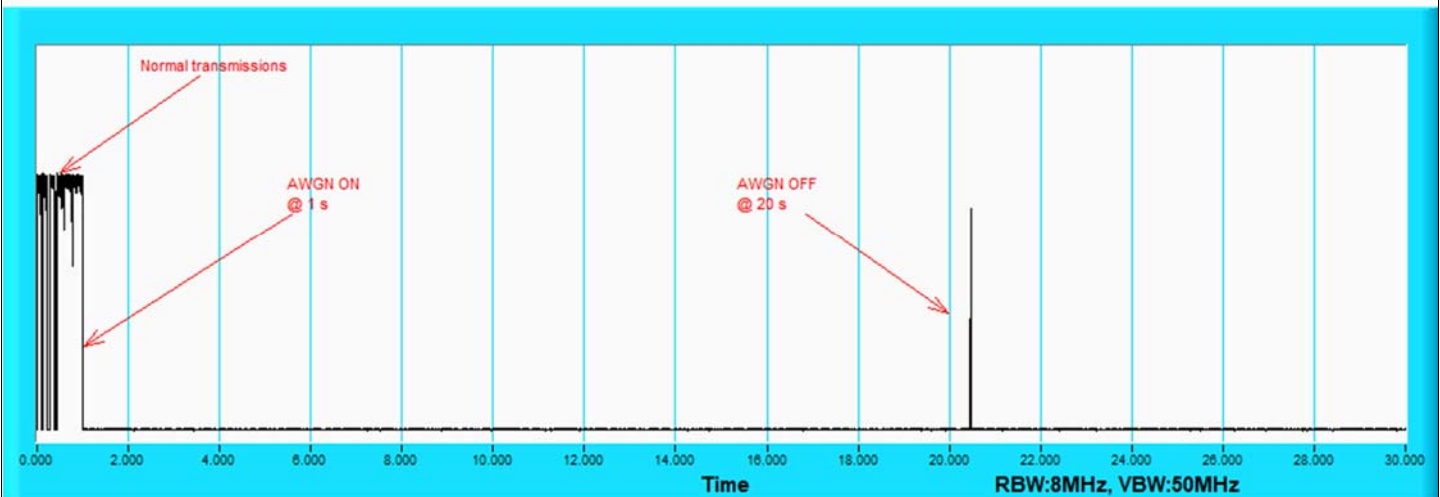


802.11ax (HE160) / CH143(Middle)



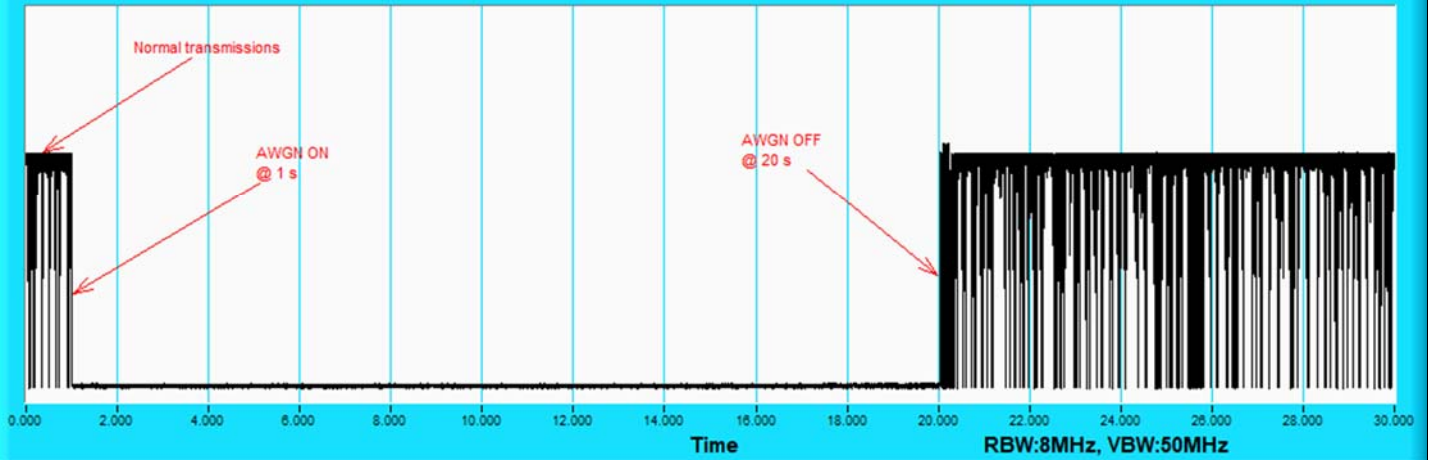
802.11ax (HE160) / CH143(High Edge)

### Plots of EUT ceased transmission in the time domain

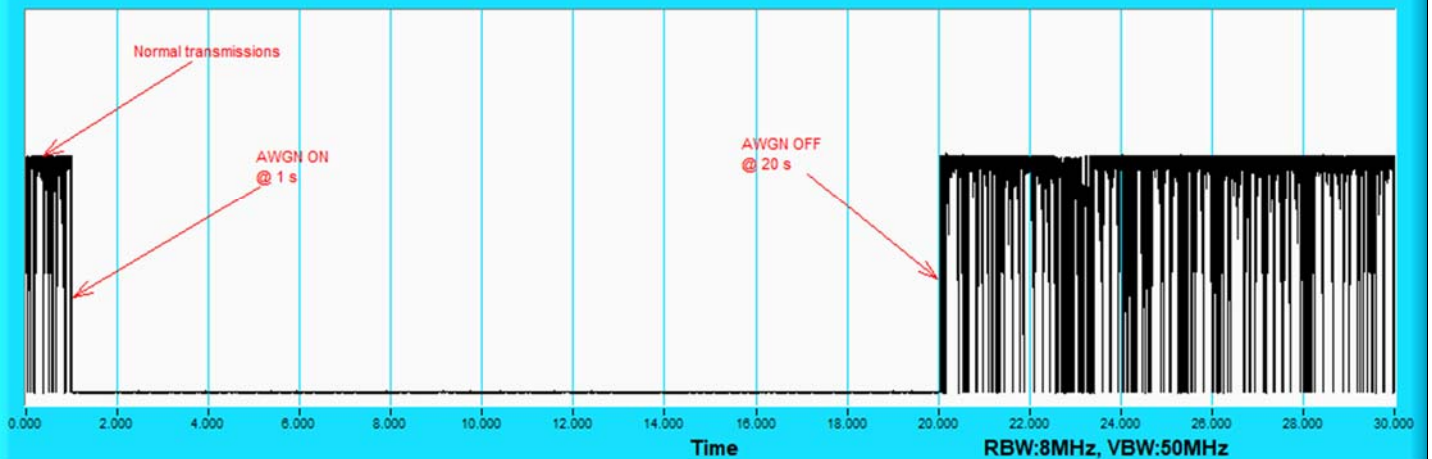


802.11ax (HE20) / CH149

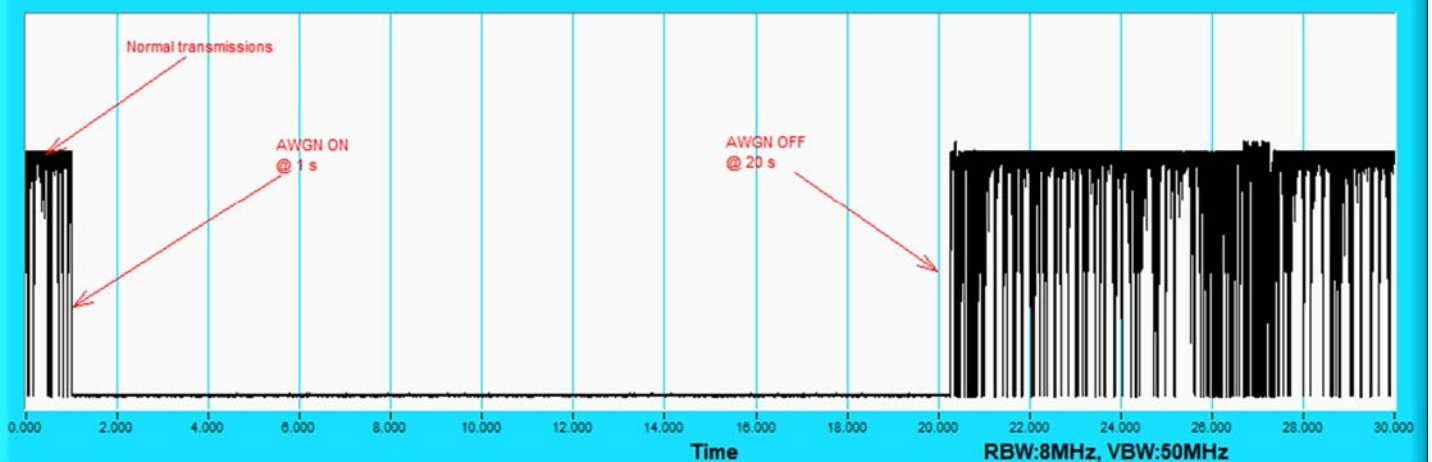
# Plots of EUT ceased transmission in the time domain



802.11ax (HE160) / CH143(Low Edge)



802.11ax (HE160) / CH143(Middle)



802.11ax (HE160) / CH143(High Edge)

# For U-NII-8

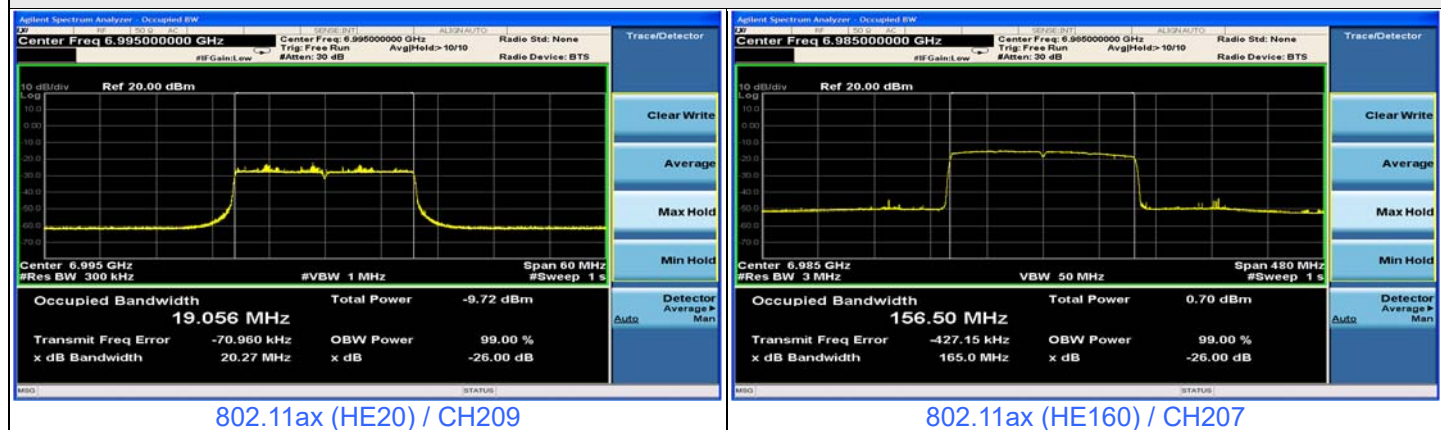
| Contention Based Protocol Measurement |                         |                |                     |                        |             |                    |                         |                      |                 |               |
|---------------------------------------|-------------------------|----------------|---------------------|------------------------|-------------|--------------------|-------------------------|----------------------|-----------------|---------------|
| Operation Mode                        | Channel Bandwidth (MHz) | Channel Number | Channel Freq. (MHz) | Injected Signal (AWGN) |             | Antenna Gain (dBi) | Path Loss (dB) (Note 3) | Adjusted Power (dBm) | Detection Limit | EUT TX Status |
|                                       |                         |                |                     | Freq. (MHz)            | Power (dBm) |                    |                         |                      |                 |               |
| 802.11ax                              | 20                      | 209            | 6995                | 6995                   | -82         | -2.7               | 0                       | -79.3                | -62             | OFF           |
|                                       |                         |                |                     |                        | -84         | -2.7               | 0                       | -81.3                | -62             | Minimal       |
|                                       |                         |                |                     |                        | -85         | -2.7               | 0                       | -82.3                | -62             | ON            |
|                                       | 160                     | 207            | 6985                | 6910                   | -79         | -2.7               | 0                       | -76.3                | -62             | OFF           |
|                                       |                         |                |                     |                        | -83         | -2.7               | 0                       | -80.3                | -62             | Minimal       |
|                                       |                         |                |                     |                        | -85         | -2.7               | 0                       | -82.3                | -62             | ON            |
|                                       |                         |                |                     | 6985                   | -70         | -2.7               | 0                       | -67.3                | -62             | OFF           |
|                                       |                         |                |                     |                        | -77         | -2.7               | 0                       | -74.3                | -62             | Minimal       |
|                                       |                         |                |                     |                        | -85         | -2.7               | 0                       | -82.3                | -62             | ON            |
|                                       |                         |                |                     | 7060                   | -78         | -2.7               | 0                       | -75.3                | -62             | OFF           |
|                                       |                         |                |                     |                        | -83         | -2.7               | 0                       | -80.3                | -62             | Minimal       |
|                                       |                         |                |                     |                        | -85         | -2.7               | 0                       | -82.3                | -62             | ON            |

## Notes:

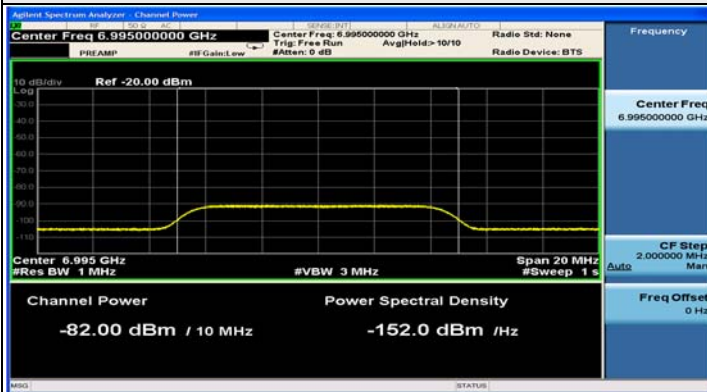
1. After investigation (consider antenna gain and path loss), the one representative port (Ant. 2) was measured and presented in the report.
2. Adjusted Power (dBm) = Injected Signal (AWGN) Power (dBm) - Antenna Gain (dBi) + Path Loss (dB)
3. Antenna gain values include all the applicable path losses.

| Contention Based Protocol Detection Probability |                         |                         |     |     |     |     |     |     |     |     |     |     |                       |                 |             |
|-------------------------------------------------|-------------------------|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------------------|-----------------|-------------|
| Operation Mode                                  | Channel Bandwidth (MHz) | AWGN Signal Freq. (MHz) | #01 | #02 | #03 | #04 | #05 | #06 | #07 | #08 | #09 | #10 | Detection Probability | Detection Limit | Test Result |
| 802.11ax                                        | 20                      | 6995                    | v   | v   | v   | v   | v   | v   | v   | v   | v   | v   | 100%                  | 90%             | Pass        |
|                                                 | 160                     | 6910                    | v   | v   | v   | v   | v   | v   | v   | v   | v   | v   | 100%                  | 90%             | Pass        |
|                                                 |                         | 6985                    | v   | v   | v   | v   | v   | v   | v   | v   | v   | v   | 100%                  | 90%             | Pass        |
|                                                 |                         | 7060                    | v   | v   | v   | v   | v   | v   | v   | v   | v   | v   | 100%                  | 90%             | Pass        |

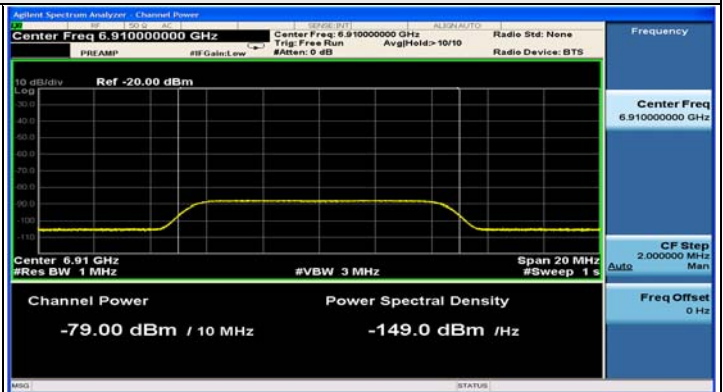
## Plots of EUT Tx waveform



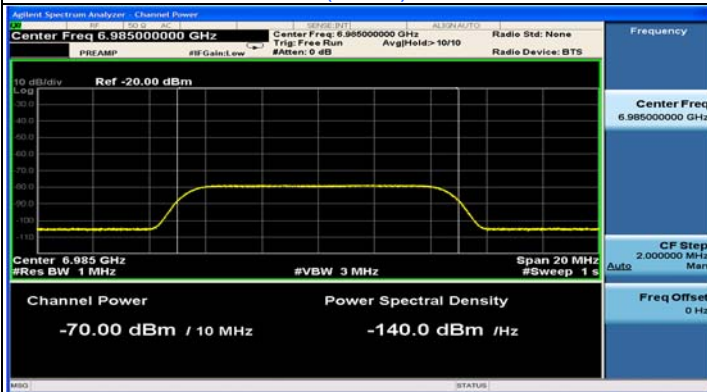
### Plots of Injected signal (AWGN) level



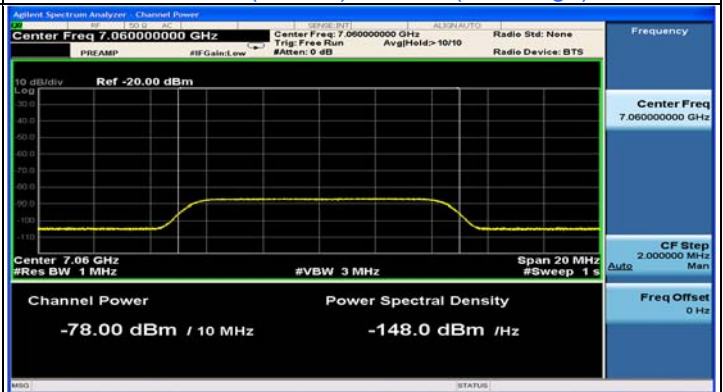
802.11ax (HE20) / CH209



802.11ax (HE160) / CH207(Low Edge)

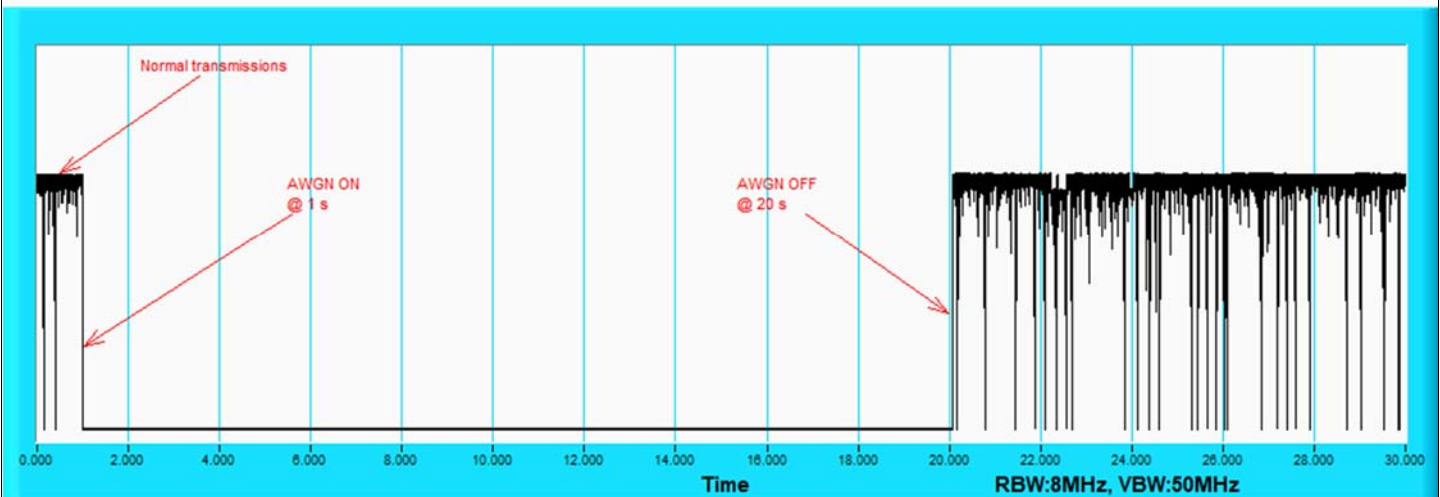


802.11ax (HE160) / CH207(Middle)



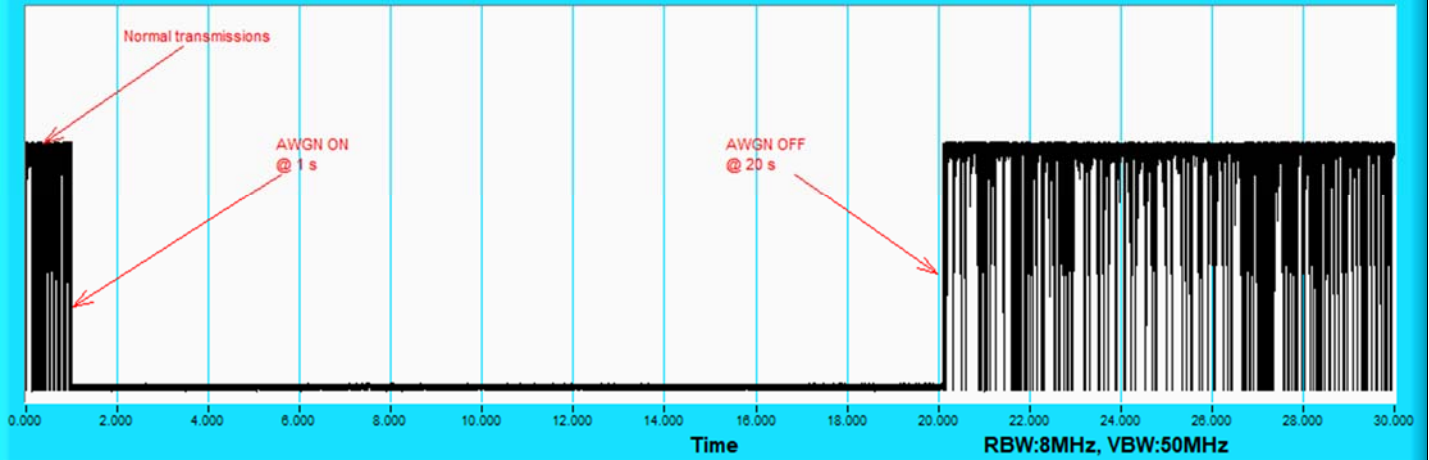
802.11ax (HE160) / CH207(High Edge)

### Plots of EUT ceased transmission in the time domain

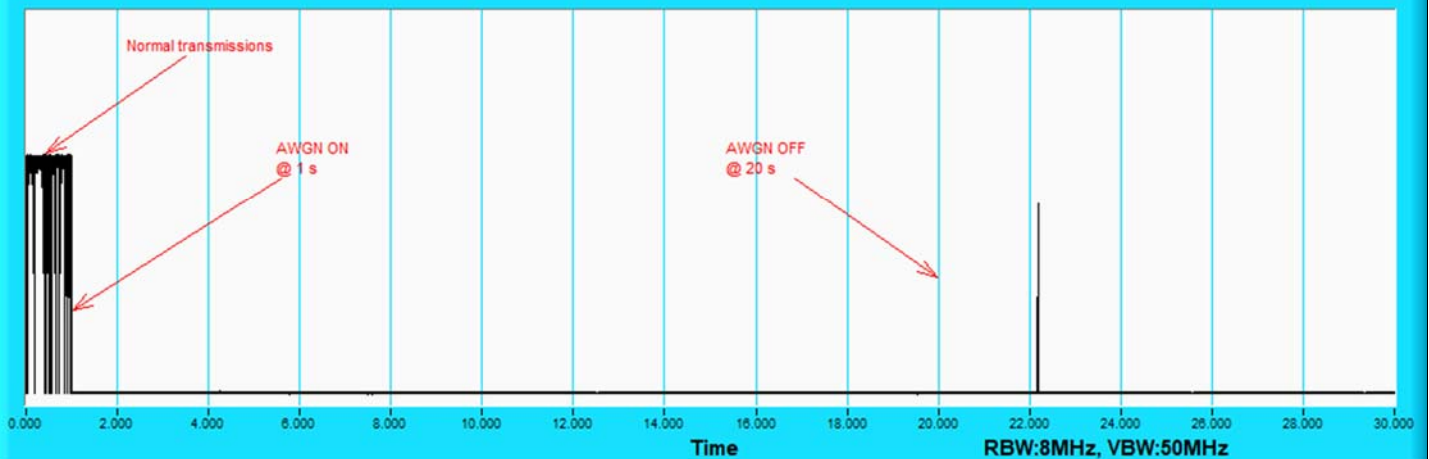


802.11ax (HE20) / CH209

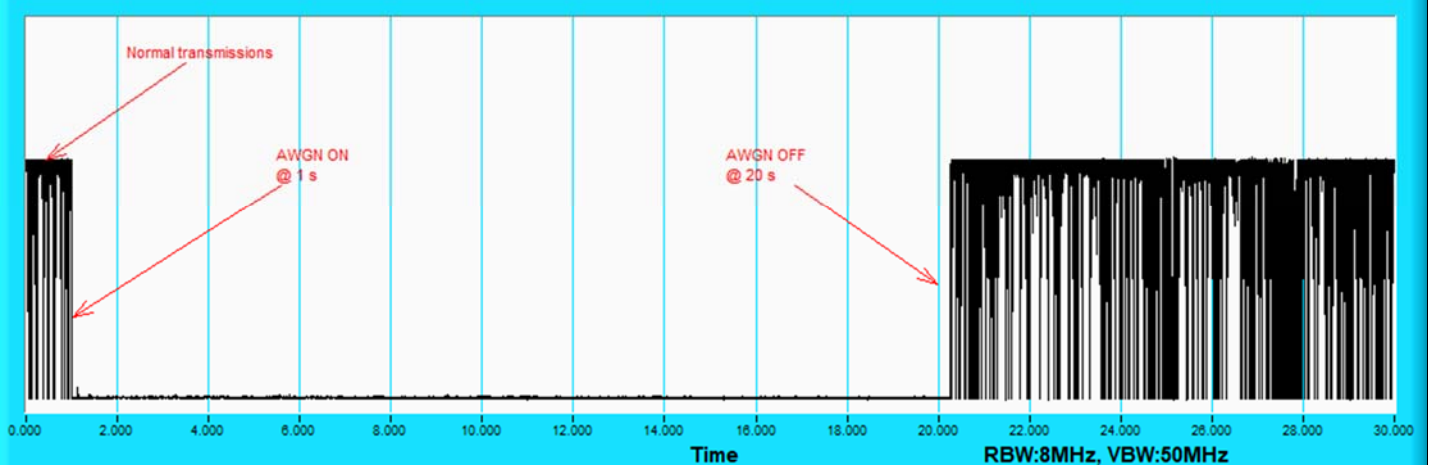
# Plots of EUT ceased transmission in the time domain



802.11ax (HE160) / CH207(Low Edge)



802.11ax (HE160) / CH207(Middle)



802.11ax (HE160) / CH207(High Edge)

## For Verify bandwidth reduction

### Plots of EUT ceased transmission in the frequency domain



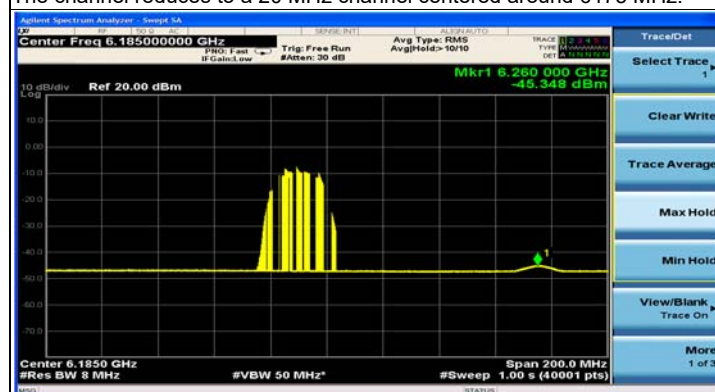
#### 802.11ax (HE160) / CH47(Low Edge)

A 10 MHz AWGN signal (centered at 6110 MHz) is injected.  
The channel reduces to a 20 MHz channel centered around 6175 MHz.



#### 802.11ax (HE160) / CH47(Middle)

A 10 MHz AWGN signal (centered at 6185 MHz) is injected.  
The channel completely ceases operation.



#### 802.11ax (HE160) / CH47(High Edge)

A 10 MHz AWGN signal (centered at 6260 MHz) is injected.  
The channel reduces to a 20 MHz channel centered around 6175 MHz.

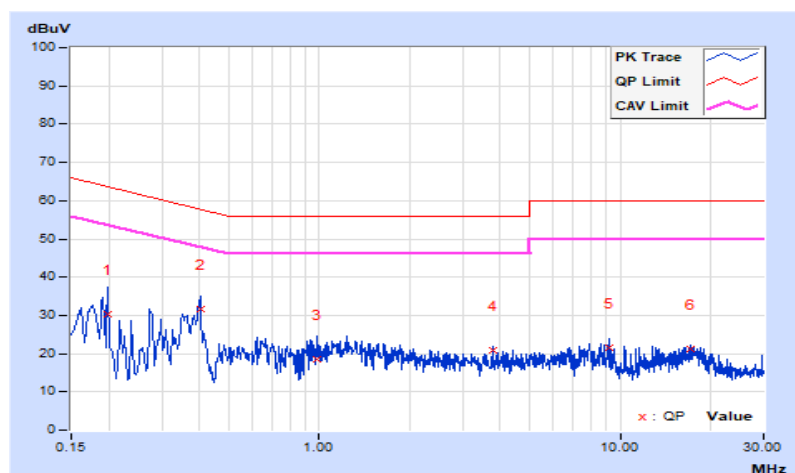
## 7.8 AC Power Conducted Emissions

|                 |                  |                                          |                                       |
|-----------------|------------------|------------------------------------------|---------------------------------------|
| RF Mode         | 802.11ax (HE160) | Channel                                  | CH 79 : 6345 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                 | 23°C, 67% RH                          |
| Tested By       | Vincent Chen     |                                          |                                       |

| 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                         | 0.19800         | 10.40                  | 19.91                | 3.09  | 30.31                 | 13.49 | 63.69        | 53.69 | -33.38      | -40.20 |
| 2                         | 0.40200         | 10.49                  | 21.11                | 11.35 | 31.60                 | 21.84 | 57.81        | 47.81 | -26.21      | -25.97 |
| 3                         | 0.98200         | 10.54                  | 7.82                 | -1.64 | 18.36                 | 8.90  | 56.00        | 46.00 | -37.64      | -37.10 |
| 4                         | 3.79400         | 10.65                  | 10.19                | 5.52  | 20.84                 | 16.17 | 56.00        | 46.00 | -35.16      | -29.83 |
| 5                         | 9.15800         | 10.72                  | 10.68                | 6.89  | 21.40                 | 17.61 | 60.00        | 50.00 | -38.60      | -32.39 |
| 6                         | 17.05000        | 10.89                  | 10.21                | 7.01  | 21.10                 | 17.90 | 60.00        | 50.00 | -38.90      | -32.10 |

### 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

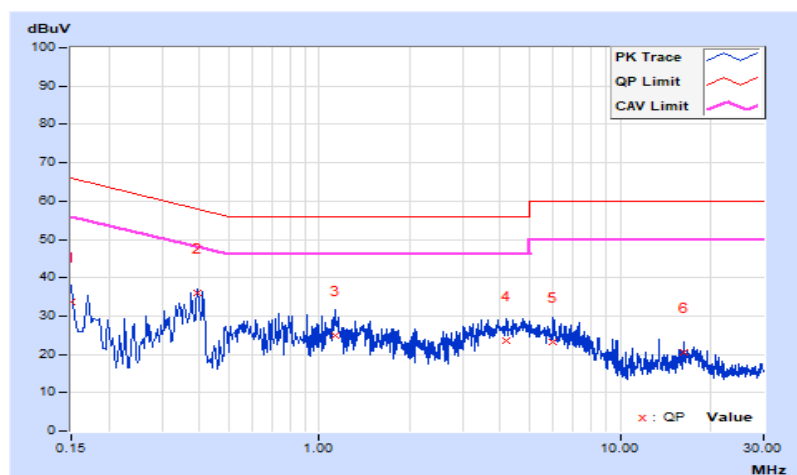


|                 |                  |                                          |                                       |
|-----------------|------------------|------------------------------------------|---------------------------------------|
| RF Mode         | 802.11ax (HE160) | Channel                                  | CH 79 : 6345 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                 | 23°C, 67% RH                          |
| Tested By       | Vincent Chen     |                                          |                                       |

| 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                            | 0.15000         | 10.40                  | 23.23                | 11.18 | 33.63                 | 21.58 | 66.00        | 56.00 | -32.37      | -34.42 |
| 2                            | 0.39400         | 10.53                  | 25.53                | 15.04 | 36.06                 | 25.57 | 57.98        | 47.98 | -21.92      | -22.41 |
| 3                            | 1.12600         | 10.56                  | 14.28                | 5.48  | 24.84                 | 16.04 | 56.00        | 46.00 | -31.16      | -29.96 |
| 4                            | 4.19000         | 10.73                  | 12.99                | 3.59  | 23.72                 | 14.32 | 56.00        | 46.00 | -32.28      | -31.68 |
| 5                            | 6.00200         | 10.77                  | 12.41                | 3.78  | 23.18                 | 14.55 | 60.00        | 50.00 | -36.82      | -35.45 |
| 6                            | 16.24600        | 11.03                  | 9.52                 | 4.26  | 20.55                 | 15.29 | 60.00        | 50.00 | -39.45      | -34.71 |

#### 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



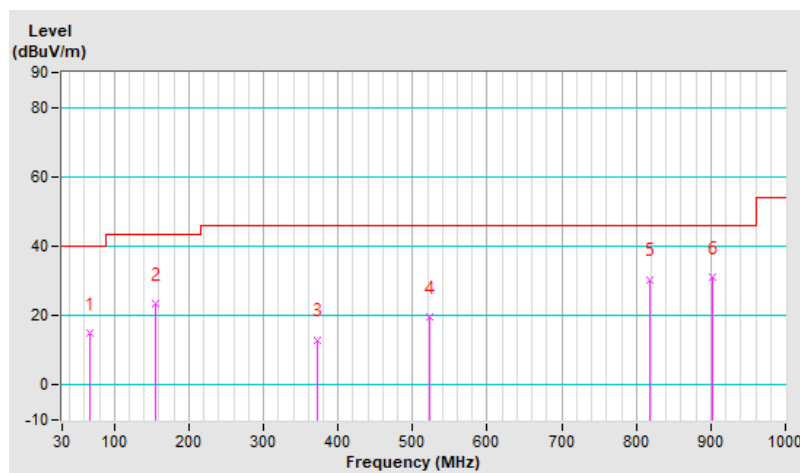
## 7.9 Unwanted Emissions below 1 GHz

|                 |                  |                               |                               |
|-----------------|------------------|-------------------------------|-------------------------------|
| RF Mode         | 802.11ax (HE160) | Channel                       | CH 79 : 6345 MHz              |
| Frequency Range | 30 MHz ~ 1 GHz   | Detector Function & Bandwidth | QP: RB=120kHz, DET=Quasi-Peak |
| Input Power     | 120 Vac, 60 Hz   | Environmental Conditions      | 24°C, 78% RH                  |
| Tested By       | Vincent Chen     |                               |                               |

| 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                                                    | 67.83           | 15.1 QP                 | 40.0           | -24.9       | 2.00 H             | 170                  | 29.5             | -14.4                    |
| 2                                                    | 156.10          | 23.4 QP                 | 43.5           | -20.1       | 2.00 H             | 12                   | 36.0             | -12.6                    |
| 3                                                    | 372.41          | 13.1 QP                 | 46.0           | -32.9       | 1.00 H             | 150                  | 23.4             | -10.3                    |
| 4                                                    | 523.73          | 19.6 QP                 | 46.0           | -26.4       | 1.50 H             | 18                   | 25.8             | -6.2                     |
| 5                                                    | 818.61          | 30.5 QP                 | 46.0           | -15.5       | 1.00 H             | 8                    | 31.4             | -0.9                     |
| 6                                                    | 902.03          | 31.1 QP                 | 46.0           | -14.9       | 2.00 H             | 164                  | 31.8             | -0.7                     |

### 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 of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

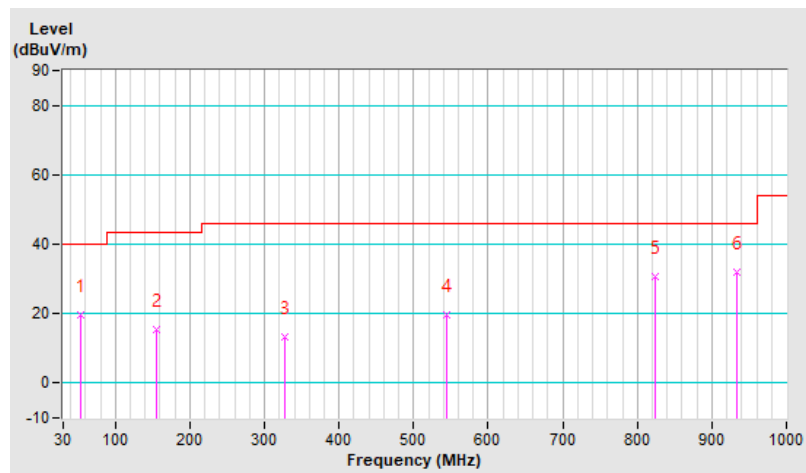


|                 |                  |                               |                               |
|-----------------|------------------|-------------------------------|-------------------------------|
| RF Mode         | 802.11ax (HE160) | Channel                       | CH 79 : 6345 MHz              |
| Frequency Range | 30 MHz ~ 1 GHz   | Detector Function & Bandwidth | QP: RB=120kHz, DET=Quasi-Peak |
| Input Power     | 120 Vac, 60 Hz   | Environmental Conditions      | 24°C, 78% RH                  |
| Tested By       | Vincent Chen     |                               |                               |

| 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                                                  | 53.28           | 19.7 QP                 | 40.0           | -20.3       | 2.00 V             | 3                    | 32.2             | -12.5                    |
| 2                                                  | 155.13          | 15.5 QP                 | 43.5           | -28.0       | 2.00 V             | 251                  | 28.1             | -12.6                    |
| 3                                                  | 327.79          | 13.3 QP                 | 46.0           | -32.7       | 1.00 V             | 126                  | 24.5             | -11.2                    |
| 4                                                  | 545.07          | 19.7 QP                 | 46.0           | -26.3       | 1.50 V             | 18                   | 25.9             | -6.2                     |
| 5                                                  | 823.46          | 30.7 QP                 | 46.0           | -15.3       | 1.00 V             | 236                  | 31.6             | -0.9                     |
| 6                                                  | 933.07          | 31.9 QP                 | 46.0           | -14.1       | 1.00 V             | 66                   | 32.4             | -0.5                     |

#### 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 of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



## 7.10 Unwanted Emissions above 1 GHz

|                        |                 |                                          |                                                                      |
|------------------------|-----------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE20) | <b>Channel</b>                           | CH 9 : 5995 MHz                                                      |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz  | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz  | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su      |                                          |                                                                      |

| 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                                                    | #5925.00        | 58.4 PK                 | 88.2           | -29.8       | 1.55 H             | 197                  | 53.9             | 4.5                      |
| 2                                                    | #5925.00        | 45.3 AV                 | 68.2           | -22.9       | 1.55 H             | 197                  | 40.8             | 4.5                      |
| 3                                                    | *5995.00        | 113.6 PK                |                |             | 1.55 H             | 197                  | 71.5             | 42.1                     |
| 4                                                    | *5995.00        | 100.7 AV                |                |             | 1.55 H             | 197                  | 58.6             | 42.1                     |
| 5                                                    | 11990.00        | 59.3 PK                 | 74.0           | -14.7       | 2.87 H             | 168                  | 49.3             | 10.0                     |
| 6                                                    | 11990.00        | 46.8 AV                 | 54.0           | -7.2        | 2.87 H             | 168                  | 36.8             | 10.0                     |
| 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                                                    | #5925.00        | 58.1 PK                 | 88.2           | -30.1       | 1.42 V             | 242                  | 53.6             | 4.5                      |
| 2                                                    | #5925.00        | 44.9 AV                 | 68.2           | -23.3       | 1.42 V             | 242                  | 40.4             | 4.5                      |
| 3                                                    | *5995.00        | 112.8 PK                |                |             | 1.42 V             | 242                  | 70.7             | 42.1                     |
| 4                                                    | *5995.00        | 99.6 AV                 |                |             | 1.42 V             | 242                  | 57.5             | 42.1                     |
| 5                                                    | 11990.00        | 58.7 PK                 | 74.0           | -15.3       | 2.46 V             | 183                  | 48.7             | 10.0                     |
| 6                                                    | 11990.00        | 45.6 AV                 | 54.0           | -8.4        | 2.46 V             | 183                  | 35.6             | 10.0                     |

### 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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                 |                                          |                                                                      |
|------------------------|-----------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE20) | <b>Channel</b>                           | CH 45 : 6175 MHz                                                     |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz  | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz  | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su      |                                          |                                                                      |

| 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                                                    | *6175.00        | 112.2 PK                |                |             | 1.04 H             | 189                  | 67.8             | 44.4                     |
| 2                                                    | *6175.00        | 99.1 AV                 |                |             | 1.04 H             | 189                  | 54.7             | 44.4                     |
| 3                                                    | 12350.00        | 62.7 PK                 | 74.0           | -11.3       | 2.04 H             | 176                  | 52.1             | 10.6                     |
| 4                                                    | 12350.00        | 49.3 AV                 | 54.0           | -4.7        | 2.04 H             | 176                  | 38.7             | 10.6                     |
| 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                                                    | *6175.00        | 112.0 PK                |                |             | 1.33 V             | 241                  | 67.6             | 44.4                     |
| 2                                                    | *6175.00        | 98.9 AV                 |                |             | 1.33 V             | 241                  | 54.5             | 44.4                     |
| 3                                                    | 12350.00        | 62.3 PK                 | 74.0           | -11.7       | 2.06 V             | 157                  | 51.7             | 10.6                     |
| 4                                                    | 12350.00        | 48.2 AV                 | 54.0           | -5.8        | 2.06 V             | 157                  | 37.6             | 10.6                     |

**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, the limit was restricted at the RF Output Power.

|                        |                 |                                          |                                                                      |
|------------------------|-----------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE20) | <b>Channel</b>                           | CH 93 : 6415 MHz                                                     |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz  | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz  | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su      |                                          |                                                                      |

| 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                                                    | *6415.00        | 112.5 PK                |                |             | 1.12 H             | 156                  | 67.1             | 45.4                     |
| 2                                                    | *6415.00        | 99.6 AV                 |                |             | 1.12 H             | 156                  | 54.2             | 45.4                     |
| 3                                                    | #12830.00       | 62.4 PK                 | 88.2           | -25.8       | 2.14 H             | 186                  | 51.5             | 10.9                     |
| 4                                                    | #12830.00       | 49.9 AV                 | 68.2           | -18.3       | 2.14 H             | 186                  | 39.0             | 10.9                     |
| 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                                                    | *6415.00        | 112.2 PK                |                |             | 1.31 V             | 279                  | 66.8             | 45.4                     |
| 2                                                    | *6415.00        | 99.4 AV                 |                |             | 1.31 V             | 279                  | 54.0             | 45.4                     |
| 3                                                    | #12830.00       | 61.3 PK                 | 88.2           | -26.9       | 1.46 V             | 254                  | 50.4             | 10.9                     |
| 4                                                    | #12830.00       | 49.2 AV                 | 68.2           | -19.0       | 1.46 V             | 254                  | 38.3             | 10.9                     |

**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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                 |                                          |                                                                      |
|------------------------|-----------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE20) | <b>Channel</b>                           | CH 97 : 6435 MHz                                                     |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz  | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz  | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su      |                                          |                                                                      |

| 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                                                    | *6435.00        | 113.3 PK                |                |             | 1.03 H             | 157                  | 67.7             | 45.6                     |
| 2                                                    | *6435.00        | 100.5 AV                |                |             | 1.03 H             | 157                  | 54.9             | 45.6                     |
| 3                                                    | #12870.00       | 61.9 PK                 | 88.2           | -26.3       | 2.79 H             | 120                  | 51.2             | 10.7                     |
| 4                                                    | #12870.00       | 49.1 AV                 | 68.2           | -19.1       | 2.79 H             | 120                  | 38.4             | 10.7                     |
| 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                                                    | *6435.00        | 113.1 PK                |                |             | 1.09 V             | 271                  | 67.5             | 45.6                     |
| 2                                                    | *6435.00        | 100.3 AV                |                |             | 1.09 V             | 271                  | 54.7             | 45.6                     |
| 3                                                    | #12870.00       | 61.3 PK                 | 88.2           | -26.9       | 3.24 V             | 186                  | 50.6             | 10.7                     |
| 4                                                    | #12870.00       | 48.5 AV                 | 68.2           | -19.7       | 3.24 V             | 186                  | 37.8             | 10.7                     |

**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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                 |                                          |                                                                      |
|------------------------|-----------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE20) | <b>Channel</b>                           | CH 105 : 6475 MHz                                                    |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz  | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz  | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su      |                                          |                                                                      |

| 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                                                    | *6475.00        | 113.4 PK                |                |             | 1.13 H             | 152                  | 67.6             | 45.8                     |
| 2                                                    | *6475.00        | 100.1 AV                |                |             | 1.13 H             | 152                  | 54.3             | 45.8                     |
| 3                                                    | #12950.00       | 62.0 PK                 | 88.2           | -26.2       | 2.04 H             | 305                  | 51.5             | 10.5                     |
| 4                                                    | #12950.00       | 48.9 AV                 | 68.2           | -19.3       | 2.04 H             | 305                  | 38.4             | 10.5                     |
| 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                                                    | *6475.00        | 113.2 PK                |                |             | 1.28 V             | 277                  | 67.4             | 45.8                     |
| 2                                                    | *6475.00        | 99.9 AV                 |                |             | 1.28 V             | 277                  | 54.1             | 45.8                     |
| 3                                                    | #12950.00       | 61.1 PK                 | 88.2           | -27.1       | 2.33 V             | 246                  | 50.6             | 10.5                     |
| 4                                                    | #12950.00       | 48.1 AV                 | 68.2           | -20.1       | 2.33 V             | 246                  | 37.6             | 10.5                     |

**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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                 |                                          |                                                                      |
|------------------------|-----------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE20) | <b>Channel</b>                           | CH 113 : 6515 MHz                                                    |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz  | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz  | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su      |                                          |                                                                      |

| 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                                                    | *6515.00        | 110.0 PK                |                |             | 1.02 H             | 152                  | 64.2             | 45.8                     |
| 2                                                    | *6515.00        | 100.9 AV                |                |             | 1.02 H             | 152                  | 55.1             | 45.8                     |
| 3                                                    | #13030.00       | 62.2 PK                 | 88.2           | -26.0       | 2.17 H             | 163                  | 51.5             | 10.7                     |
| 4                                                    | #13030.00       | 49.4 AV                 | 68.2           | -18.8       | 2.17 H             | 163                  | 38.7             | 10.7                     |
| 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                                                    | *6515.00        | 109.7 PK                |                |             | 1.06 V             | 276                  | 63.9             | 45.8                     |
| 2                                                    | *6515.00        | 100.6 AV                |                |             | 1.06 V             | 276                  | 54.8             | 45.8                     |
| 3                                                    | #13030.00       | 61.5 PK                 | 88.2           | -26.7       | 2.25 V             | 158                  | 50.8             | 10.7                     |
| 4                                                    | #13030.00       | 48.3 AV                 | 68.2           | -19.9       | 2.25 V             | 158                  | 37.6             | 10.7                     |

**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, the limit was restricted at the RF Output Power.
6. " # " : The radiated frequency is out of the restricted band.

|                        |                 |                                          |                                                                      |
|------------------------|-----------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE20) | <b>Channel</b>                           | CH 117 : 6535 MHz                                                    |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz  | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz  | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su      |                                          |                                                                      |

| 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                                                    | *6535.00        | 114.2 PK                |                |             | 1.13 H             | 153                  | 68.3             | 45.9                     |
| 2                                                    | *6535.00        | 101.0 AV                |                |             | 1.13 H             | 153                  | 55.1             | 45.9                     |
| 3                                                    | #13070.00       | 62.7 PK                 | 88.2           | -25.5       | 2.42 H             | 196                  | 62.1             | 0.6                      |
| 4                                                    | #13070.00       | 50.1 AV                 | 68.2           | -18.1       | 2.42 H             | 196                  | 49.5             | 0.6                      |
| 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                                                    | *6535.00        | 113.9 PK                |                |             | 1.18 V             | 265                  | 68.0             | 45.9                     |
| 2                                                    | *6535.00        | 100.7 AV                |                |             | 1.18 V             | 265                  | 54.8             | 45.9                     |
| 3                                                    | #13070.00       | 62.4 PK                 | 88.2           | -25.8       | 2.42 V             | 165                  | 61.8             | 0.6                      |
| 4                                                    | #13070.00       | 49.3 AV                 | 68.2           | -18.9       | 2.42 V             | 165                  | 48.7             | 0.6                      |

**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, the limit was restricted at the RF Output Power.
6. " # " : The radiated frequency is out of the restricted band.

|                        |                 |                                          |                                                                      |
|------------------------|-----------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE20) | <b>Channel</b>                           | CH 149 : 6695 MHz                                                    |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz  | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz  | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su      |                                          |                                                                      |

| 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                                                    | *6695.00        | 114.6 PK                |                |             | 1.28 H             | 147                  | 68.6             | 46.0                     |
| 2                                                    | *6695.00        | 101.5 AV                |                |             | 1.28 H             | 147                  | 55.5             | 46.0                     |
| 3                                                    | 13390.00        | 63.7 PK                 | 74.0           | -10.3       | 2.41 H             | 103                  | 61.8             | 1.9                      |
| 4                                                    | 13390.00        | 49.6 AV                 | 54.0           | -4.4        | 2.41 H             | 103                  | 47.7             | 1.9                      |
| 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                                                    | *6695.00        | 114.4 PK                |                |             | 1.00 V             | 276                  | 68.4             | 46.0                     |
| 2                                                    | *6695.00        | 101.3 AV                |                |             | 1.00 V             | 276                  | 55.3             | 46.0                     |
| 3                                                    | 13390.00        | 62.3 PK                 | 74.0           | -11.7       | 1.82 V             | 196                  | 60.4             | 1.9                      |
| 4                                                    | 13390.00        | 48.2 AV                 | 54.0           | -5.8        | 1.82 V             | 196                  | 46.3             | 1.9                      |

**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, the limit was restricted at the RF Output Power.

|                        |                 |                                          |                                                                      |
|------------------------|-----------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE20) | <b>Channel</b>                           | CH 181 : 6855 MHz                                                    |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz  | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz  | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su      |                                          |                                                                      |

| 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                                                    | *6855.00        | 114.1 PK                |                |             | 1.25 H             | 147                  | 67.5             | 46.6                     |
| 2                                                    | *6855.00        | 101.1 AV                |                |             | 1.25 H             | 147                  | 54.5             | 46.6                     |
| 3                                                    | #13710.00       | 63.9 PK                 | 88.2           | -24.3       | 1.86 H             | 258                  | 60.3             | 3.6                      |
| 4                                                    | #13710.00       | 49.3 AV                 | 68.2           | -18.9       | 1.86 H             | 258                  | 45.7             | 3.6                      |
| 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                                                    | *6855.00        | 113.9 PK                |                |             | 1.13 V             | 304                  | 67.3             | 46.6                     |
| 2                                                    | *6855.00        | 100.8 AV                |                |             | 1.13 V             | 304                  | 54.2             | 46.6                     |
| 3                                                    | #13710.00       | 63.1 PK                 | 88.2           | -25.1       | 2.04 V             | 159                  | 59.5             | 3.6                      |
| 4                                                    | #13710.00       | 48.2 AV                 | 68.2           | -20.0       | 2.04 V             | 159                  | 44.6             | 3.6                      |

**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, the limit was restricted at the RF Output Power.
6. " # " : The radiated frequency is out of the restricted band.

|                        |                 |                                          |                                                                      |
|------------------------|-----------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE20) | <b>Channel</b>                           | CH 185 : 6875 MHz                                                    |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz  | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz  | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su      |                                          |                                                                      |

| 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                                                    | *6875.00        | 113.6 PK                |                |             | 1.00 H             | 146                  | 67.0             | 46.6                     |
| 2                                                    | *6875.00        | 101.0 AV                |                |             | 1.00 H             | 146                  | 54.4             | 46.6                     |
| 3                                                    | #13750.00       | 66.7 PK                 | 88.2           | -21.5       | 2.54 H             | 158                  | 63.4             | 3.3                      |
| 4                                                    | #13750.00       | 53.4 AV                 | 68.2           | -14.8       | 2.54 H             | 158                  | 50.1             | 3.3                      |
| 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                                                    | *6875.00        | 112.3 PK                |                |             | 1.95 V             | 314                  | 65.7             | 46.6                     |
| 2                                                    | *6875.00        | 99.5 AV                 |                |             | 1.95 V             | 314                  | 52.9             | 46.6                     |
| 3                                                    | #13750.00       | 65.3 PK                 | 88.2           | -22.9       | 2.14 V             | 259                  | 62.0             | 3.3                      |
| 4                                                    | #13750.00       | 52.7 AV                 | 68.2           | -15.5       | 2.14 V             | 259                  | 49.4             | 3.3                      |

**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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                 |                                          |                                                                      |
|------------------------|-----------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE20) | <b>Channel</b>                           | CH 209 : 6995 MHz                                                    |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz  | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz  | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su      |                                          |                                                                      |

| 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                                                    | *6995.00        | 113.1 PK                |                |             | 1.00 H             | 261                  | 65.5             | 47.6                     |
| 2                                                    | *6995.00        | 100.1 AV                |                |             | 1.00 H             | 261                  | 52.5             | 47.6                     |
| 3                                                    | #13990.00       | 67.5 PK                 | 88.2           | -20.7       | 1.78 H             | 123                  | 62.9             | 4.6                      |
| 4                                                    | #13990.00       | 53.8 AV                 | 68.2           | -14.4       | 1.78 H             | 123                  | 49.2             | 4.6                      |
| 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                                                    | *6995.00        | 110.5 PK                |                |             | 1.28 V             | 309                  | 62.9             | 47.6                     |
| 2                                                    | *6995.00        | 97.6 AV                 |                |             | 1.28 V             | 309                  | 50.0             | 47.6                     |
| 3                                                    | #13990.00       | 66.3 PK                 | 88.2           | -21.9       | 2.78 V             | 147                  | 61.7             | 4.6                      |
| 4                                                    | #13990.00       | 53.2 AV                 | 68.2           | -15.0       | 2.78 V             | 147                  | 48.6             | 4.6                      |

**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, the limit was restricted at the RF Output Power.
6. " # " : The radiated frequency is out of the restricted band.

|                        |                 |                                          |                                                                      |
|------------------------|-----------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE20) | <b>Channel</b>                           | CH 229 : 7095 MHz                                                    |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz  | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz  | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su      |                                          |                                                                      |

| 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                                                    | *7095.00        | 115.6 PK                |                |             | 2.09 H             | 241                  | 67.4             | 48.2                     |
| 2                                                    | *7095.00        | 101.8 AV                |                |             | 2.09 H             | 241                  | 53.6             | 48.2                     |
| 3                                                    | #7125.00        | 76.2 PK                 | 88.2           | -12.0       | 2.09 H             | 241                  | 78.7             | -2.5                     |
| 4                                                    | #7125.00        | 60.4 AV                 | 68.2           | -7.8        | 2.09 H             | 241                  | 62.9             | -2.5                     |
| 5                                                    | #14190.00       | 66.5 PK                 | 88.2           | -21.7       | 1.69 H             | 204                  | 60.8             | 5.7                      |
| 6                                                    | #14190.00       | 54.3 AV                 | 68.2           | -13.9       | 1.69 H             | 204                  | 48.6             | 5.7                      |
| 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                                                    | *7095.00        | 112.8 PK                |                |             | 2.28 V             | 239                  | 64.6             | 48.2                     |
| 2                                                    | *7095.00        | 99.7 AV                 |                |             | 2.28 V             | 239                  | 51.5             | 48.2                     |
| 3                                                    | #7125.00        | 72.6 PK                 | 88.2           | -15.6       | 2.28 V             | 239                  | 75.1             | -2.5                     |
| 4                                                    | #7125.00        | 57.0 AV                 | 68.2           | -11.2       | 2.28 V             | 239                  | 59.5             | -2.5                     |
| 5                                                    | #14190.00       | 65.4 PK                 | 88.2           | -22.8       | 1.63 V             | 117                  | 59.7             | 5.7                      |
| 6                                                    | #14190.00       | 53.2 AV                 | 68.2           | -15.0       | 1.63 V             | 117                  | 47.5             | 5.7                      |

**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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                 |                                          |                                                                      |
|------------------------|-----------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE40) | <b>Channel</b>                           | CH 11 : 6005 MHz                                                     |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz  | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz  | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su      |                                          |                                                                      |

| 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                                                    | #5925.00        | 62.3 PK                 | 88.2           | -25.9       | 1.10 H             | 193                  | 71.2             | -8.9                     |
| 2                                                    | #5925.00        | 48.2 AV                 | 68.2           | -20.0       | 1.10 H             | 193                  | 57.1             | -8.9                     |
| 3                                                    | *6005.00        | 110.9 PK                |                |             | 1.10 H             | 193                  | 68.7             | 42.2                     |
| 4                                                    | *6005.00        | 98.1 AV                 |                |             | 1.10 H             | 193                  | 55.9             | 42.2                     |
| 5                                                    | 12010.00        | 62.4 PK                 | 74.0           | -11.6       | 1.85 H             | 225                  | 62.8             | -0.4                     |
| 6                                                    | 12010.00        | 49.5 AV                 | 54.0           | -4.5        | 1.85 H             | 225                  | 49.9             | -0.4                     |
| 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                                                    | #5925.00        | 60.6 PK                 | 88.2           | -27.6       | 1.21 V             | 263                  | 69.5             | -8.9                     |
| 2                                                    | #5925.00        | 47.5 AV                 | 68.2           | -20.7       | 1.21 V             | 263                  | 56.4             | -8.9                     |
| 3                                                    | *6005.00        | 110.3 PK                |                |             | 1.21 V             | 263                  | 68.1             | 42.2                     |
| 4                                                    | *6005.00        | 97.8 AV                 |                |             | 1.21 V             | 263                  | 55.6             | 42.2                     |
| 5                                                    | 12010.00        | 62.3 PK                 | 74.0           | -11.7       | 2.01 V             | 158                  | 62.7             | -0.4                     |
| 6                                                    | 12010.00        | 49.4 AV                 | 54.0           | -4.6        | 2.01 V             | 158                  | 49.8             | -0.4                     |

**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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                 |                                          |                                                                      |
|------------------------|-----------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE40) | <b>Channel</b>                           | CH 43 : 6165 MHz                                                     |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz  | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz  | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su      |                                          |                                                                      |

| 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                                                    | *6165.00        | 110.3 PK                |                |             | 1.08 H             | 191                  | 66.1             | 44.2                     |
| 2                                                    | *6165.00        | 97.6 AV                 |                |             | 1.08 H             | 191                  | 53.4             | 44.2                     |
| 3                                                    | 12330.00        | 62.4 PK                 | 74.0           | -11.6       | 2.54 H             | 123                  | 61.3             | 1.1                      |
| 4                                                    | 12330.00        | 49.6 AV                 | 54.0           | -4.4        | 2.54 H             | 123                  | 48.5             | 1.1                      |
| 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                                                    | *6165.00        | 110.0 PK                |                |             | 1.23 V             | 275                  | 65.8             | 44.2                     |
| 2                                                    | *6165.00        | 97.3 AV                 |                |             | 1.23 V             | 275                  | 53.1             | 44.2                     |
| 3                                                    | 12330.00        | 61.8 PK                 | 74.0           | -12.2       | 2.05 V             | 153                  | 60.7             | 1.1                      |
| 4                                                    | 12330.00        | 48.6 AV                 | 54.0           | -5.4        | 2.05 V             | 153                  | 47.5             | 1.1                      |

**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, the limit was restricted at the RF Output Power.

|                        |                 |                                          |                                                                      |
|------------------------|-----------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE40) | <b>Channel</b>                           | CH 91 : 6405 MHz                                                     |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz  | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz  | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su      |                                          |                                                                      |

| 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                                                    | *6405.00        | 111.0 PK                |                |             | 1.05 H             | 158                  | 65.6             | 45.4                     |
| 2                                                    | *6405.00        | 97.7 AV                 |                |             | 1.05 H             | 158                  | 52.3             | 45.4                     |
| 3                                                    | #12810.00       | 62.3 PK                 | 88.2           | -25.9       | 2.23 H             | 197                  | 60.7             | 1.6                      |
| 4                                                    | #12810.00       | 49.4 AV                 | 68.2           | -18.8       | 2.23 H             | 197                  | 47.8             | 1.6                      |
| 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                                                    | *6405.00        | 110.8 PK                |                |             | 1.03 V             | 275                  | 65.4             | 45.4                     |
| 2                                                    | *6405.00        | 97.4 AV                 |                |             | 1.03 V             | 275                  | 52.0             | 45.4                     |
| 3                                                    | #12810.00       | 61.3 PK                 | 88.2           | -26.9       | 1.86 V             | 201                  | 59.7             | 1.6                      |
| 4                                                    | #12810.00       | 48.1 AV                 | 68.2           | -20.1       | 1.86 V             | 201                  | 46.5             | 1.6                      |

**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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                 |                                          |                                                                      |
|------------------------|-----------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE40) | <b>Channel</b>                           | CH 99 : 6445 MHz                                                     |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz  | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz  | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su      |                                          |                                                                      |

| 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                                                    | *6445.00        | 111.3 PK                |                |             | 1.05 H             | 159                  | 65.7             | 45.6                     |
| 2                                                    | *6445.00        | 98.4 AV                 |                |             | 1.05 H             | 159                  | 52.8             | 45.6                     |
| 3                                                    | #12890.00       | 62.7 PK                 | 88.2           | -25.5       | 2.52 H             | 196                  | 61.4             | 1.3                      |
| 4                                                    | #12890.00       | 49.6 AV                 | 68.2           | -18.6       | 2.52 H             | 196                  | 48.3             | 1.3                      |
| 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                                                    | *6445.00        | 111.1 PK                |                |             | 1.15 V             | 269                  | 65.5             | 45.6                     |
| 2                                                    | *6445.00        | 98.2 AV                 |                |             | 1.15 V             | 269                  | 52.6             | 45.6                     |
| 3                                                    | #12890.00       | 61.7 PK                 | 88.2           | -26.5       | 2.04 V             | 127                  | 60.4             | 1.3                      |
| 4                                                    | #12890.00       | 48.5 AV                 | 68.2           | -19.7       | 2.04 V             | 127                  | 47.2             | 1.3                      |

**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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                 |                                          |                                                                      |
|------------------------|-----------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE40) | <b>Channel</b>                           | CH 107 : 6485 MHz                                                    |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz  | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz  | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su      |                                          |                                                                      |

| 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                                                    | *6485.00        | 110.8 PK                |                |             | 1.20 H             | 153                  | 65.0             | 45.8                     |
| 2                                                    | *6485.00        | 98.3 AV                 |                |             | 1.20 H             | 153                  | 52.5             | 45.8                     |
| 3                                                    | #12970.00       | 62.2 PK                 | 88.2           | -26.0       | 1.85 H             | 207                  | 61.4             | 0.8                      |
| 4                                                    | #12970.00       | 49.1 AV                 | 68.2           | -19.1       | 1.85 H             | 207                  | 48.3             | 0.8                      |
| 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                                                    | *6485.00        | 110.5 PK                |                |             | 1.00 V             | 275                  | 64.7             | 45.8                     |
| 2                                                    | *6485.00        | 98.1 AV                 |                |             | 1.00 V             | 275                  | 52.3             | 45.8                     |
| 3                                                    | #12970.00       | 61.3 PK                 | 88.2           | -26.9       | 2.24 V             | 189                  | 60.5             | 0.8                      |
| 4                                                    | #12970.00       | 48.4 AV                 | 68.2           | -19.8       | 2.24 V             | 189                  | 47.6             | 0.8                      |

**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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                 |                                          |                                                                      |
|------------------------|-----------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE40) | <b>Channel</b>                           | CH 115 : 6525 MHz                                                    |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz  | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz  | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su      |                                          |                                                                      |

| 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                                                    | *6525.00        | 110.8 PK                |                |             | 1.15 H             | 154                  | 64.9             | 45.9                     |
| 2                                                    | *6525.00        | 98.2 AV                 |                |             | 1.15 H             | 154                  | 52.3             | 45.9                     |
| 3                                                    | #13050.00       | 62.4 PK                 | 88.2           | -25.8       | 2.28 H             | 193                  | 61.9             | 0.5                      |
| 4                                                    | #13050.00       | 49.3 AV                 | 68.2           | -18.9       | 2.28 H             | 193                  | 48.8             | 0.5                      |
| 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                                                    | *6525.00        | 110.6 PK                |                |             | 1.00 V             | 266                  | 64.7             | 45.9                     |
| 2                                                    | *6525.00        | 98.0 AV                 |                |             | 1.00 V             | 266                  | 52.1             | 45.9                     |
| 3                                                    | #13050.00       | 61.0 PK                 | 88.2           | -27.2       | 2.04 V             | 118                  | 60.5             | 0.5                      |
| 4                                                    | #13050.00       | 48.1 AV                 | 68.2           | -20.1       | 2.04 V             | 118                  | 47.6             | 0.5                      |

**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, the limit was restricted at the RF Output Power.
6. " # " : The radiated frequency is out of the restricted band.

|                        |                 |                                          |                                                                      |
|------------------------|-----------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE40) | <b>Channel</b>                           | CH 123 : 6565 MHz                                                    |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz  | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz  | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su      |                                          |                                                                      |

| 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                                                    | *6565.00        | 111.9 PK                |                |             | 1.15 H             | 154                  | 65.9             | 46.0                     |
| 2                                                    | *6565.00        | 98.9 AV                 |                |             | 1.15 H             | 154                  | 52.9             | 46.0                     |
| 3                                                    | #13130.00       | 62.5 PK                 | 88.2           | -25.7       | 1.86 H             | 274                  | 61.7             | 0.8                      |
| 4                                                    | #13130.00       | 49.7 AV                 | 68.2           | -18.5       | 1.86 H             | 274                  | 48.9             | 0.8                      |
| 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                                                    | *6565.00        | 111.7 PK                |                |             | 1.18 V             | 265                  | 65.7             | 46.0                     |
| 2                                                    | *6565.00        | 98.7 AV                 |                |             | 1.18 V             | 265                  | 52.7             | 46.0                     |
| 3                                                    | #13130.00       | 61.2 PK                 | 88.2           | -27.0       | 2.14 V             | 182                  | 60.4             | 0.8                      |
| 4                                                    | #13130.00       | 48.4 AV                 | 68.2           | -19.8       | 2.14 V             | 182                  | 47.6             | 0.8                      |

**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, the limit was restricted at the RF Output Power.
6. " # " : The radiated frequency is out of the restricted band.

|                        |                 |                                          |                                                                      |
|------------------------|-----------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE40) | <b>Channel</b>                           | CH 155 : 6725 MHz                                                    |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz  | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz  | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su      |                                          |                                                                      |

| 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                                                    | *6725.00        | 111.9 PK                |                |             | 1.39 H             | 146                  | 65.9             | 46.0                     |
| 2                                                    | *6725.00        | 99.4 AV                 |                |             | 1.39 H             | 146                  | 53.4             | 46.0                     |
| 3                                                    | #13450.00       | 62.3 PK                 | 88.2           | -25.9       | 2.78 H             | 15                   | 59.7             | 2.6                      |
| 4                                                    | #13450.00       | 49.2 AV                 | 68.2           | -19.0       | 2.78 H             | 15                   | 46.6             | 2.6                      |
| 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                                                    | *6725.00        | 111.7 PK                |                |             | 1.02 V             | 275                  | 65.7             | 46.0                     |
| 2                                                    | *6725.00        | 99.1 AV                 |                |             | 1.02 V             | 275                  | 53.1             | 46.0                     |
| 3                                                    | #13450.00       | 61.0 PK                 | 88.2           | -27.2       | 1.72 V             | 136                  | 58.4             | 2.6                      |
| 4                                                    | #13450.00       | 48.3 AV                 | 68.2           | -19.9       | 1.72 V             | 136                  | 45.7             | 2.6                      |

**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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                 |                                          |                                                                      |
|------------------------|-----------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE40) | <b>Channel</b>                           | CH 179 : 6845 MHz                                                    |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz  | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz  | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su      |                                          |                                                                      |

| 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                                                    | *6845.00        | 111.9 PK                |                |             | 1.34 H             | 142                  | 65.3             | 46.6                     |
| 2                                                    | *6845.00        | 98.5 AV                 |                |             | 1.34 H             | 142                  | 51.9             | 46.6                     |
| 3                                                    | #13690.00       | 62.3 PK                 | 88.2           | -25.9       | 2.41 H             | 182                  | 58.7             | 3.6                      |
| 4                                                    | #13690.00       | 49.6 AV                 | 68.2           | -18.6       | 2.41 H             | 182                  | 46.0             | 3.6                      |
| 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                                                    | *6845.00        | 110.2 PK                |                |             | 2.20 V             | 308                  | 63.6             | 46.6                     |
| 2                                                    | *6845.00        | 97.7 AV                 |                |             | 2.20 V             | 308                  | 51.1             | 46.6                     |
| 3                                                    | #13690.00       | 61.0 PK                 | 88.2           | -27.2       | 1.78 V             | 153                  | 57.4             | 3.6                      |
| 4                                                    | #13690.00       | 48.9 AV                 | 68.2           | -19.3       | 1.78 V             | 153                  | 45.3             | 3.6                      |

**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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                 |                                          |                                                                      |
|------------------------|-----------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE40) | <b>Channel</b>                           | CH 187 : 6885 MHz                                                    |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz  | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz  | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su      |                                          |                                                                      |

| 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                                                    | *6885.00        | 110.9 PK                |                |             | 1.12 H             | 146                  | 64.3             | 46.6                     |
| 2                                                    | *6885.00        | 97.9 AV                 |                |             | 1.12 H             | 146                  | 51.3             | 46.6                     |
| 3                                                    | #13770.00       | 62.4 PK                 | 88.2           | -25.8       | 2.43 H             | 196                  | 59.2             | 3.2                      |
| 4                                                    | #13770.00       | 49.3 AV                 | 68.2           | -18.9       | 2.43 H             | 196                  | 46.1             | 3.2                      |
| 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                                                    | *6885.00        | 110.7 PK                |                |             | 1.17 V             | 298                  | 64.1             | 46.6                     |
| 2                                                    | *6885.00        | 97.7 AV                 |                |             | 1.17 V             | 298                  | 51.1             | 46.6                     |
| 3                                                    | #13770.00       | 61.6 PK                 | 88.2           | -26.6       | 1.58 V             | 205                  | 58.4             | 3.2                      |
| 4                                                    | #13770.00       | 48.6 AV                 | 68.2           | -19.6       | 1.58 V             | 205                  | 45.4             | 3.2                      |

**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.
5. " \* " : Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # " : The radiated frequency is out of the restricted band.

|                        |                 |                                          |                                                                      |
|------------------------|-----------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE40) | <b>Channel</b>                           | CH 211 : 7005 MHz                                                    |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz  | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz  | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su      |                                          |                                                                      |

| 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                                                    | *7005.00        | 110.8 PK                |                |             | 1.33 H             | 138                  | 63.1             | 47.7                     |
| 2                                                    | *7005.00        | 98.1 AV                 |                |             | 1.33 H             | 138                  | 50.4             | 47.7                     |
| 3                                                    | #14010.00       | 62.2 PK                 | 88.2           | -26.0       | 1.97 H             | 206                  | 57.3             | 4.9                      |
| 4                                                    | #14010.00       | 49.4 AV                 | 68.2           | -18.8       | 1.97 H             | 206                  | 44.5             | 4.9                      |
| 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                                                    | *7005.00        | 110.7 PK                |                |             | 1.07 V             | 287                  | 63.0             | 47.7                     |
| 2                                                    | *7005.00        | 98.1 AV                 |                |             | 1.07 V             | 287                  | 50.4             | 47.7                     |
| 3                                                    | #14010.00       | 61.6 PK                 | 88.2           | -26.6       | 2.34 V             | 158                  | 56.7             | 4.9                      |
| 4                                                    | #14010.00       | 48.3 AV                 | 68.2           | -19.9       | 2.34 V             | 158                  | 43.4             | 4.9                      |

**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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                 |                                          |                                                                      |
|------------------------|-----------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE40) | <b>Channel</b>                           | CH 227 : 7085 MHz                                                    |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz  | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz  | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su      |                                          |                                                                      |

| 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                                                    | *7085.00        | 108.7 PK                |                |             | 2.03 H             | 155                  | 60.5             | 48.2                     |
| 2                                                    | *7085.00        | 95.7 AV                 |                |             | 2.03 H             | 155                  | 47.5             | 48.2                     |
| 3                                                    | #7125.00        | 83.3 PK                 | 88.2           | -4.9        | 2.03 H             | 155                  | 85.8             | -2.5                     |
| 4                                                    | #7125.00        | 66.9 AV                 | 68.2           | -1.3        | 2.03 H             | 155                  | 69.4             | -2.5                     |
| 5                                                    | #14170.00       | 62.1 PK                 | 88.2           | -26.1       | 1.25 H             | 268                  | 56.3             | 5.8                      |
| 6                                                    | #14170.00       | 49.3 AV                 | 68.2           | -18.9       | 1.25 H             | 268                  | 43.5             | 5.8                      |
| 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                                                    | *7085.00        | 108.5 PK                |                |             | 1.01 V             | 287                  | 60.3             | 48.2                     |
| 2                                                    | *7085.00        | 95.5 AV                 |                |             | 1.01 V             | 287                  | 47.3             | 48.2                     |
| 3                                                    | #7125.00        | 82.7 PK                 | 88.2           | -5.5        | 1.01 V             | 287                  | 85.2             | -2.5                     |
| 4                                                    | #7125.00        | 66.6 AV                 | 68.2           | -1.6        | 1.01 V             | 287                  | 69.1             | -2.5                     |
| 5                                                    | #14170.00       | 61.5 PK                 | 88.2           | -26.7       | 1.85 V             | 223                  | 55.7             | 5.8                      |
| 6                                                    | #14170.00       | 48.7 AV                 | 68.2           | -19.5       | 1.85 V             | 223                  | 42.9             | 5.8                      |

**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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                 |                                          |                                                                      |
|------------------------|-----------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE80) | <b>Channel</b>                           | CH 23 : 6065 MHz                                                     |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz  | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz  | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su      |                                          |                                                                      |

| 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                                                    | #5925.00        | 60.6 PK                 | 88.2           | -27.6       | 1.95 H             | 197                  | 69.5             | -8.9                     |
| 2                                                    | #5925.00        | 47.2 AV                 | 68.2           | -21.0       | 1.95 H             | 197                  | 56.1             | -8.9                     |
| 3                                                    | *6065.00        | 109.0 PK                |                |             | 1.95 H             | 197                  | 66.5             | 42.5                     |
| 4                                                    | *6065.00        | 95.0 AV                 |                |             | 1.95 H             | 197                  | 52.5             | 42.5                     |
| 5                                                    | 12130.00        | 61.4 PK                 | 74.0           | -12.6       | 1.36 H             | 254                  | 60.9             | 0.5                      |
| 6                                                    | 12130.00        | 47.0 AV                 | 54.0           | -7.0        | 1.36 H             | 254                  | 46.5             | 0.5                      |
| 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                                                    | #5925.00        | 60.4 PK                 | 88.2           | -27.8       | 1.23 V             | 276                  | 69.3             | -8.9                     |
| 2                                                    | #5925.00        | 47.0 AV                 | 68.2           | -21.2       | 1.23 V             | 276                  | 55.9             | -8.9                     |
| 3                                                    | *6065.00        | 108.8 PK                |                |             | 1.23 V             | 276                  | 66.3             | 42.5                     |
| 4                                                    | *6065.00        | 94.8 AV                 |                |             | 1.23 V             | 276                  | 52.3             | 42.5                     |
| 5                                                    | 12130.00        | 60.8 PK                 | 74.0           | -13.2       | 1.75 V             | 220                  | 60.3             | 0.5                      |
| 6                                                    | 12130.00        | 47.0 AV                 | 54.0           | -7.0        | 1.75 V             | 220                  | 46.5             | 0.5                      |

**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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                 |                                          |                                                                      |
|------------------------|-----------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE80) | <b>Channel</b>                           | CH 39 : 6145 MHz                                                     |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz  | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz  | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su      |                                          |                                                                      |

| 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                                                    | *6145.00        | 110.2 PK                |                |             | 1.37 H             | 191                  | 66.4             | 43.8                     |
| 2                                                    | *6145.00        | 96.2 AV                 |                |             | 1.37 H             | 191                  | 52.4             | 43.8                     |
| 3                                                    | 12290.00        | 61.5 PK                 | 74.0           | -12.5       | 1.41 H             | 265                  | 59.8             | 1.7                      |
| 4                                                    | 12290.00        | 47.0 AV                 | 54.0           | -7.0        | 1.41 H             | 265                  | 45.3             | 1.7                      |
| 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                                                    | *6145.00        | 110.0 PK                |                |             | 1.00 V             | 261                  | 66.2             | 43.8                     |
| 2                                                    | *6145.00        | 96.0 AV                 |                |             | 1.00 V             | 261                  | 52.2             | 43.8                     |
| 3                                                    | 12290.00        | 60.3 PK                 | 74.0           | -13.7       | 1.68 V             | 222                  | 58.6             | 1.7                      |
| 4                                                    | 12290.00        | 46.5 AV                 | 54.0           | -7.5        | 1.68 V             | 222                  | 44.8             | 1.7                      |

**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, the limit was restricted at the RF Output Power.

|                        |                 |                                          |                                                                      |
|------------------------|-----------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE80) | <b>Channel</b>                           | CH 87 : 6385 MHz                                                     |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz  | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz  | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su      |                                          |                                                                      |

| 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                                                    | *6385.00        | 111.4 PK                |                |             | 1.07 H             | 184                  | 66.2             | 45.2                     |
| 2                                                    | *6385.00        | 97.4 AV                 |                |             | 1.07 H             | 184                  | 52.2             | 45.2                     |
| 3                                                    | #12770.00       | 62.2 PK                 | 88.2           | -26.0       | 2.10 H             | 188                  | 60.9             | 1.3                      |
| 4                                                    | #12770.00       | 48.9 AV                 | 68.2           | -19.3       | 2.10 H             | 188                  | 47.6             | 1.3                      |
| 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                                                    | *6385.00        | 111.3 PK                |                |             | 1.00 V             | 275                  | 66.1             | 45.2                     |
| 2                                                    | *6385.00        | 97.3 AV                 |                |             | 1.00 V             | 275                  | 52.1             | 45.2                     |
| 3                                                    | #12770.00       | 61.1 PK                 | 88.2           | -27.1       | 1.75 V             | 211                  | 59.8             | 1.3                      |
| 4                                                    | #12770.00       | 47.8 AV                 | 68.2           | -20.4       | 1.75 V             | 211                  | 46.5             | 1.3                      |

**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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                 |                                          |                                                                      |
|------------------------|-----------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE80) | <b>Channel</b>                           | CH 103 : 6465 MHz                                                    |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz  | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz  | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su      |                                          |                                                                      |

| 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                                                    | *6465.00        | 111.1 PK                |                |             | 1.00 H             | 161                  | 65.5             | 45.6                     |
| 2                                                    | *6465.00        | 97.6 AV                 |                |             | 1.00 H             | 161                  | 52.0             | 45.6                     |
| 3                                                    | #12930.00       | 61.9 PK                 | 88.2           | -26.3       | 2.41 H             | 191                  | 60.8             | 1.1                      |
| 4                                                    | #12930.00       | 48.6 AV                 | 68.2           | -19.6       | 2.41 H             | 191                  | 47.5             | 1.1                      |
| 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                                                    | *6465.00        | 111.0 PK                |                |             | 1.00 V             | 282                  | 65.4             | 45.6                     |
| 2                                                    | *6465.00        | 97.5 AV                 |                |             | 1.00 V             | 282                  | 51.9             | 45.6                     |
| 3                                                    | #12930.00       | 61.0 PK                 | 88.2           | -27.2       | 2.01 V             | 166                  | 59.9             | 1.1                      |
| 4                                                    | #12930.00       | 48.0 AV                 | 68.2           | -20.2       | 2.01 V             | 166                  | 46.9             | 1.1                      |

**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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                 |                                          |                                                                      |
|------------------------|-----------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE80) | <b>Channel</b>                           | CH 119 : 6545 MHz                                                    |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz  | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz  | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su      |                                          |                                                                      |

| 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                                                    | *6545.00        | 111.8 PK                |                |             | 1.07 H             | 159                  | 65.9             | 45.9                     |
| 2                                                    | *6545.00        | 97.8 AV                 |                |             | 1.07 H             | 159                  | 51.9             | 45.9                     |
| 3                                                    | #13090.00       | 60.9 PK                 | 88.2           | -27.3       | 2.55 H             | 188                  | 60.2             | 0.7                      |
| 4                                                    | #13090.00       | 46.9 AV                 | 68.2           | -21.3       | 2.55 H             | 188                  | 46.2             | 0.7                      |
| 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                                                    | *6545.00        | 111.7 PK                |                |             | 1.00 V             | 283                  | 65.8             | 45.9                     |
| 2                                                    | *6545.00        | 97.7 AV                 |                |             | 1.00 V             | 283                  | 51.8             | 45.9                     |
| 3                                                    | #13090.00       | 61.0 PK                 | 88.2           | -27.2       | 2.10 V             | 174                  | 60.3             | 0.7                      |
| 4                                                    | #13090.00       | 45.9 AV                 | 68.2           | -22.3       | 2.10 V             | 174                  | 45.2             | 0.7                      |

**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, the limit was restricted at the RF Output Power.
6. " # " : The radiated frequency is out of the restricted band.

|                        |                 |                                          |                                                                      |
|------------------------|-----------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE80) | <b>Channel</b>                           | CH 151 : 6705 MHz                                                    |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz  | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz  | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su      |                                          |                                                                      |

| 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                                                    | *6705.00        | 112.1 PK                |                |             | 1.15 H             | 156                  | 66.1             | 46.0                     |
| 2                                                    | *6705.00        | 98.1 AV                 |                |             | 1.15 H             | 156                  | 52.1             | 46.0                     |
| 3                                                    | #13410.00       | 63.6 PK                 | 88.2           | -24.6       | 2.11 H             | 184                  | 61.5             | 2.1                      |
| 4                                                    | #13410.00       | 48.6 AV                 | 68.2           | -19.6       | 2.11 H             | 184                  | 46.5             | 2.1                      |
| 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                                                    | *6705.00        | 112.0 PK                |                |             | 1.00 V             | 282                  | 66.0             | 46.0                     |
| 2                                                    | *6705.00        | 98.0 AV                 |                |             | 1.00 V             | 282                  | 52.0             | 46.0                     |
| 3                                                    | #13410.00       | 62.6 PK                 | 88.2           | -25.6       | 1.99 V             | 162                  | 60.5             | 2.1                      |
| 4                                                    | #13410.00       | 47.7 AV                 | 68.2           | -20.5       | 1.99 V             | 162                  | 45.6             | 2.1                      |

**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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                 |                                          |                                                                      |
|------------------------|-----------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE80) | <b>Channel</b>                           | CH 183 : 6865 MHz                                                    |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz  | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz  | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su      |                                          |                                                                      |

| 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                                                    | *6865.00        | 110.7 PK                |                |             | 1.93 H             | 202                  | 64.1             | 46.6                     |
| 2                                                    | *6865.00        | 96.7 AV                 |                |             | 1.93 H             | 202                  | 50.1             | 46.6                     |
| 3                                                    | #13730.00       | 65.1 PK                 | 88.2           | -23.1       | 2.22 H             | 187                  | 61.6             | 3.5                      |
| 4                                                    | #13730.00       | 50.2 AV                 | 68.2           | -18.0       | 2.22 H             | 187                  | 46.7             | 3.5                      |
| 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                                                    | *6865.00        | 110.6 PK                |                |             | 1.00 V             | 275                  | 64.0             | 46.6                     |
| 2                                                    | *6865.00        | 96.6 AV                 |                |             | 1.00 V             | 275                  | 50.0             | 46.6                     |
| 3                                                    | #13730.00       | 64.2 PK                 | 88.2           | -24.0       | 2.05 V             | 174                  | 60.7             | 3.5                      |
| 4                                                    | #13730.00       | 49.1 AV                 | 68.2           | -19.1       | 2.05 V             | 174                  | 45.6             | 3.5                      |

**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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                 |                                          |                                                                      |
|------------------------|-----------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE80) | <b>Channel</b>                           | CH 199 : 6945 MHz                                                    |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz  | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz  | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su      |                                          |                                                                      |

| 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                                                    | *6945.00        | 110.6 PK                |                |             | 1.99 H             | 202                  | 63.6             | 47.0                     |
| 2                                                    | *6945.00        | 96.1 AV                 |                |             | 1.99 H             | 202                  | 49.1             | 47.0                     |
| 3                                                    | #13890.00       | 65.7 PK                 | 88.2           | -22.5       | 2.11 H             | 184                  | 62.1             | 3.6                      |
| 4                                                    | #13890.00       | 50.8 AV                 | 68.2           | -17.4       | 2.11 H             | 184                  | 47.2             | 3.6                      |
| 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                                                    | *6945.00        | 110.5 PK                |                |             | 1.00 V             | 289                  | 63.5             | 47.0                     |
| 2                                                    | *6945.00        | 96.0 AV                 |                |             | 1.00 V             | 289                  | 49.0             | 47.0                     |
| 3                                                    | #13890.00       | 64.2 PK                 | 88.2           | -24.0       | 1.98 V             | 164                  | 60.6             | 3.6                      |
| 4                                                    | #13890.00       | 50.0 AV                 | 68.2           | -18.2       | 1.98 V             | 164                  | 46.4             | 3.6                      |

**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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                 |                                          |                                                                      |
|------------------------|-----------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE80) | <b>Channel</b>                           | CH 215 : 7025 MHz                                                    |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz  | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz  | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su      |                                          |                                                                      |

| 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                                                    | *7025.00        | 112.3 PK                |                |             | 2.17 H             | 263                  | 64.4             | 47.9                     |
| 2                                                    | *7025.00        | 98.5 AV                 |                |             | 2.17 H             | 263                  | 50.6             | 47.9                     |
| 3                                                    | #7125.00        | 76.7 PK                 | 88.2           | -11.5       | 2.17 H             | 263                  | 79.2             | -2.5                     |
| 4                                                    | #7125.00        | 60.7 AV                 | 68.2           | -7.5        | 2.17 H             | 263                  | 63.2             | -2.5                     |
| 5                                                    | #14050.00       | 66.5 PK                 | 88.2           | -21.7       | 2.05 H             | 199                  | 61.2             | 5.3                      |
| 6                                                    | #14050.00       | 52.4 AV                 | 68.2           | -15.8       | 2.05 H             | 199                  | 47.1             | 5.3                      |
| 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                                                    | *7025.00        | 111.4 PK                |                |             | 1.00 V             | 284                  | 63.5             | 47.9                     |
| 2                                                    | *7025.00        | 98.0 AV                 |                |             | 1.00 V             | 284                  | 50.1             | 47.9                     |
| 3                                                    | #7125.00        | 75.6 PK                 | 88.2           | -12.6       | 1.00 V             | 284                  | 78.1             | -2.5                     |
| 4                                                    | #7125.00        | 61.3 AV                 | 68.2           | -6.9        | 1.00 V             | 284                  | 63.8             | -2.5                     |
| 5                                                    | #14050.00       | 66.0 PK                 | 88.2           | -22.2       | 2.10 V             | 162                  | 60.7             | 5.3                      |
| 6                                                    | #14050.00       | 51.9 AV                 | 68.2           | -16.3       | 2.10 V             | 162                  | 46.6             | 5.3                      |

**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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                  |                                          |                                                                      |
|------------------------|------------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE160) | <b>Channel</b>                           | CH 47 : 6185 MHz                                                     |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz   | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz   | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su       |                                          |                                                                      |

| 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                                                    | #5925.00        | 52.2 PK                 | 88.2           | -36.0       | 1.50 H             | 187                  | 61.1             | -8.9                     |
| 2                                                    | #5925.00        | 38.9 AV                 | 68.2           | -29.3       | 1.50 H             | 187                  | 47.8             | -8.9                     |
| 3                                                    | *6185.00        | 106.6 PK                |                |             | 1.50 H             | 187                  | 61.8             | 44.8                     |
| 4                                                    | *6185.00        | 91.6 AV                 |                |             | 1.50 H             | 187                  | 46.8             | 44.8                     |
| 5                                                    | 12370.00        | 61.9 PK                 | 74.0           | -12.1       | 2.03 H             | 199                  | 61.5             | 0.4                      |
| 6                                                    | 12370.00        | 46.9 AV                 | 54.0           | -7.1        | 2.03 H             | 199                  | 46.5             | 0.4                      |
| 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                                                    | #5925.00        | 54.4 PK                 | 88.2           | -33.8       | 1.42 V             | 242                  | 63.3             | -8.9                     |
| 2                                                    | #5925.00        | 41.2 AV                 | 68.2           | -27.0       | 1.42 V             | 242                  | 50.1             | -8.9                     |
| 3                                                    | *6185.00        | 106.4 PK                |                |             | 1.42 V             | 242                  | 61.6             | 44.8                     |
| 4                                                    | *6185.00        | 92.1 AV                 |                |             | 1.42 V             | 242                  | 47.3             | 44.8                     |
| 5                                                    | 12370.00        | 60.9 PK                 | 74.0           | -13.1       | 2.15 V             | 166                  | 60.5             | 0.4                      |
| 6                                                    | 12370.00        | 46.2 AV                 | 54.0           | -7.8        | 2.15 V             | 166                  | 45.8             | 0.4                      |

**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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                  |                                          |                                                                      |
|------------------------|------------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE160) | <b>Channel</b>                           | CH 79 : 6345 MHz                                                     |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz   | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz   | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su       |                                          |                                                                      |

| 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                                                    | *6345.00        | 108.0 PK                |                |             | 2.20 H             | 247                  | 62.7             | 45.3                     |
| 2                                                    | *6345.00        | 93.7 AV                 |                |             | 2.20 H             | 247                  | 48.4             | 45.3                     |
| 3                                                    | 12690.00        | 62.5 PK                 | 74.0           | -11.5       | 2.20 H             | 204                  | 61.8             | 0.7                      |
| 4                                                    | 12690.00        | 46.3 AV                 | 54.0           | -7.7        | 2.20 H             | 204                  | 45.6             | 0.7                      |
| 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                                                    | *6345.00        | 107.1 PK                |                |             | 1.00 V             | 276                  | 61.8             | 45.3                     |
| 2                                                    | *6345.00        | 92.4 AV                 |                |             | 1.00 V             | 276                  | 47.1             | 45.3                     |
| 3                                                    | 12690.00        | 62.2 PK                 | 74.0           | -11.8       | 2.11 V             | 168                  | 61.5             | 0.7                      |
| 4                                                    | 12690.00        | 47.2 AV                 | 54.0           | -6.8        | 2.11 V             | 168                  | 46.5             | 0.7                      |

**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, the limit was restricted at the RF Output Power.

|                        |                  |                                          |                                                                      |
|------------------------|------------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE160) | <b>Channel</b>                           | CH 111 : 6505 MHz                                                    |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz   | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz   | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su       |                                          |                                                                      |

| 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                                                    | *6505.00        | 109.4 PK                |                |             | 2.07 H             | 247                  | 63.6             | 45.8                     |
| 2                                                    | *6505.00        | 95.5 AV                 |                |             | 2.07 H             | 247                  | 49.7             | 45.8                     |
| 3                                                    | #13010.00       | 62.1 PK                 | 88.2           | -26.1       | 2.05 H             | 198                  | 61.5             | 0.6                      |
| 4                                                    | #13010.00       | 47.0 AV                 | 68.2           | -21.2       | 2.05 H             | 198                  | 46.4             | 0.6                      |
| 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                                                    | *6505.00        | 107.5 PK                |                |             | 2.10 V             | 254                  | 61.7             | 45.8                     |
| 2                                                    | *6505.00        | 94.1 AV                 |                |             | 2.10 V             | 254                  | 48.3             | 45.8                     |
| 3                                                    | #13010.00       | 61.0 PK                 | 88.2           | -27.2       | 1.89 V             | 167                  | 60.4             | 0.6                      |
| 4                                                    | #13010.00       | 46.4 AV                 | 68.2           | -21.8       | 1.89 V             | 167                  | 45.8             | 0.6                      |

**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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                  |                                          |                                                                      |
|------------------------|------------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE160) | <b>Channel</b>                           | CH 143 : 6665 MHz                                                    |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz   | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz   | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su       |                                          |                                                                      |

| 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                                                    | *6665.00        | 107.7 PK                |                |             | 1.06 H             | 206                  | 61.7             | 46.0                     |
| 2                                                    | *6665.00        | 93.9 AV                 |                |             | 1.06 H             | 206                  | 47.9             | 46.0                     |
| 3                                                    | 13330.00        | 62.4 PK                 | 74.0           | -11.6       | 2.11 H             | 168                  | 60.4             | 2.0                      |
| 4                                                    | 13330.00        | 47.6 AV                 | 54.0           | -6.4        | 2.11 H             | 168                  | 45.6             | 2.0                      |
| 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                                                    | *6665.00        | 107.6 PK                |                |             | 2.39 V             | 244                  | 61.6             | 46.0                     |
| 2                                                    | *6665.00        | 93.8 AV                 |                |             | 2.39 V             | 244                  | 47.8             | 46.0                     |
| 3                                                    | 13330.00        | 62.6 PK                 | 74.0           | -11.4       | 2.10 V             | 175                  | 60.6             | 2.0                      |
| 4                                                    | 13330.00        | 47.9 AV                 | 54.0           | -6.1        | 2.10 V             | 175                  | 45.9             | 2.0                      |

**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, the limit was restricted at the RF Output Power.

|                        |                  |                                          |                                                                      |
|------------------------|------------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE160) | <b>Channel</b>                           | CH 175 : 6825 MHz                                                    |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz   | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz   | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su       |                                          |                                                                      |

| 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                                                    | *6825.00        | 108.0 PK                |                |             | 1.37 H             | 265                  | 61.5             | 46.5                     |
| 2                                                    | *6825.00        | 93.6 AV                 |                |             | 1.37 H             | 265                  | 47.1             | 46.5                     |
| 3                                                    | #13650.00       | 65.0 PK                 | 88.2           | -23.2       | 1.99 H             | 210                  | 61.5             | 3.5                      |
| 4                                                    | #13650.00       | 50.3 AV                 | 68.2           | -17.9       | 1.99 H             | 210                  | 46.8             | 3.5                      |
| 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                                                    | *6825.00        | 106.8 PK                |                |             | 2.37 V             | 243                  | 60.3             | 46.5                     |
| 2                                                    | *6825.00        | 93.7 AV                 |                |             | 2.37 V             | 243                  | 47.2             | 46.5                     |
| 3                                                    | #13650.00       | 64.0 PK                 | 88.2           | -24.2       | 2.05 V             | 172                  | 60.5             | 3.5                      |
| 4                                                    | #13650.00       | 49.2 AV                 | 68.2           | -19.0       | 2.05 V             | 172                  | 45.7             | 3.5                      |

**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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                  |                                          |                                                                      |
|------------------------|------------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE160) | <b>Channel</b>                           | CH 207 : 6985 MHz                                                    |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz   | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz   | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su       |                                          |                                                                      |

| 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                                                    | *6985.00        | 110.7 PK                |                |             | 2.03 H             | 245                  | 63.2             | 47.5                     |
| 2                                                    | *6985.00        | 97.1 AV                 |                |             | 2.03 H             | 245                  | 49.6             | 47.5                     |
| 3                                                    | #7125.00        | 83.5 PK                 | 88.2           | -4.7        | 2.03 H             | 245                  | 86.0             | -2.5                     |
| 4                                                    | #7125.00        | 67.8 AV                 | 68.2           | -0.4        | 2.03 H             | 245                  | 70.3             | -2.5                     |
| 5                                                    | #13970.00       | 65.9 PK                 | 88.2           | -22.3       | 2.10 H             | 211                  | 61.5             | 4.4                      |
| 6                                                    | #13970.00       | 51.1 AV                 | 68.2           | -17.1       | 2.10 H             | 211                  | 46.7             | 4.4                      |
| 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                                                    | *6985.00        | 106.0 PK                |                |             | 1.99 V             | 276                  | 58.5             | 47.5                     |
| 2                                                    | *6985.00        | 91.6 AV                 |                |             | 1.99 V             | 276                  | 44.1             | 47.5                     |
| 3                                                    | #7125.00        | 77.7 PK                 | 88.2           | -10.5       | 1.99 V             | 276                  | 80.2             | -2.5                     |
| 4                                                    | #7125.00        | 62.5 AV                 | 68.2           | -5.7        | 1.99 V             | 276                  | 65.0             | -2.5                     |
| 5                                                    | #13970.00       | 64.9 PK                 | 88.2           | -23.3       | 2.04 V             | 168                  | 60.5             | 4.4                      |
| 6                                                    | #13970.00       | 50.2 AV                 | 68.2           | -18.0       | 2.04 V             | 168                  | 45.8             | 4.4                      |

**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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

## Partial RU

|                        |                            |                                          |                                                                      |
|------------------------|----------------------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE20) 26-tone RU | <b>Channel</b>                           | CH 9 : 5995 MHz                                                      |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz             | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz             | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su                 |                                          |                                                                      |

| 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                                                    | #5925.00        | 46.2 PK                 | 88.2           | -42.0       | 2.13 H             | 204                  | 41.7             | 4.5                      |
| 2                                                    | #5925.00        | 31.9 AV                 | 68.2           | -36.3       | 2.13 H             | 204                  | 27.4             | 4.5                      |
| 3                                                    | *5995.00        | 120.4 PK                |                |             | 2.13 H             | 204                  | 78.3             | 42.1                     |
| 4                                                    | *5995.00        | 110.8 AV                |                |             | 2.13 H             | 204                  | 68.7             | 42.1                     |
| 5                                                    | 11990.00        | 63.3 PK                 | 74.0           | -10.7       | 2.88 H             | 174                  | 53.3             | 10.0                     |
| 6                                                    | 11990.00        | 48.2 AV                 | 54.0           | -5.8        | 2.88 H             | 174                  | 38.2             | 10.0                     |
| 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                                                    | #5925.00        | 58.6 PK                 | 88.2           | -29.6       | 2.27 V             | 271                  | 54.1             | 4.5                      |
| 2                                                    | #5925.00        | 45.2 AV                 | 68.2           | -23.0       | 2.27 V             | 271                  | 40.7             | 4.5                      |
| 3                                                    | *5995.00        | 120.5 PK                |                |             | 2.27 V             | 271                  | 78.4             | 42.1                     |
| 4                                                    | *5995.00        | 111.0 AV                |                |             | 2.27 V             | 271                  | 68.9             | 42.1                     |
| 5                                                    | 11990.00        | 63.4 PK                 | 74.0           | -10.6       | 2.44 V             | 181                  | 53.4             | 10.0                     |
| 6                                                    | 11990.00        | 47.8 AV                 | 54.0           | -6.2        | 2.44 V             | 181                  | 37.8             | 10.0                     |

### 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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                            |                                          |                                                                      |
|------------------------|----------------------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE20) 26-tone RU | <b>Channel</b>                           | CH 93 : 6415 MHz                                                     |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz             | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz             | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su                 |                                          |                                                                      |

| 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                                                    | *6415.00        | 118.9 PK                |                |             | 1.15 H             | 181                  | 73.5             | 45.4                     |
| 2                                                    | *6415.00        | 109.1 AV                |                |             | 1.15 H             | 181                  | 63.7             | 45.4                     |
| 3                                                    | #12830.00       | 64.1 PK                 | 88.2           | -24.1       | 2.21 H             | 166                  | 53.2             | 10.9                     |
| 4                                                    | #12830.00       | 49.3 AV                 | 68.2           | -18.9       | 2.21 H             | 166                  | 38.4             | 10.9                     |
| 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                                                    | *6415.00        | 122.1 PK                |                |             | 1.00 V             | 267                  | 76.7             | 45.4                     |
| 2                                                    | *6415.00        | 112.2 AV                |                |             | 1.00 V             | 267                  | 66.8             | 45.4                     |
| 3                                                    | #12830.00       | 65.1 PK                 | 88.2           | -23.1       | 1.65 V             | 251                  | 54.2             | 10.9                     |
| 4                                                    | #12830.00       | 50.4 AV                 | 68.2           | -17.8       | 1.65 V             | 251                  | 39.5             | 10.9                     |

**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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                            |                                          |                                                                      |
|------------------------|----------------------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE20) 26-tone RU | <b>Channel</b>                           | CH 97 : 6435 MHz                                                     |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz             | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz             | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su                 |                                          |                                                                      |

| 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                                                    | *6435.00        | 119.2 PK                |                |             | 2.14 H             | 202                  | 73.6             | 45.6                     |
| 2                                                    | *6435.00        | 110.0 AV                |                |             | 2.14 H             | 202                  | 64.4             | 45.6                     |
| 3                                                    | #12870.00       | 64.3 PK                 | 88.2           | -23.9       | 2.25 H             | 114                  | 53.6             | 10.7                     |
| 4                                                    | #12870.00       | 49.1 AV                 | 68.2           | -19.1       | 2.25 H             | 114                  | 38.4             | 10.7                     |
| 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                                                    | *6435.00        | 122.1 PK                |                |             | 2.19 V             | 254                  | 76.5             | 45.6                     |
| 2                                                    | *6435.00        | 112.8 AV                |                |             | 2.19 V             | 254                  | 67.2             | 45.6                     |
| 3                                                    | #12870.00       | 65.0 PK                 | 88.2           | -23.2       | 2.55 V             | 168                  | 54.3             | 10.7                     |
| 4                                                    | #12870.00       | 50.3 AV                 | 68.2           | -17.9       | 2.55 V             | 168                  | 39.6             | 10.7                     |

**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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                            |                                          |                                                                      |
|------------------------|----------------------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE20) 26-tone RU | <b>Channel</b>                           | CH 113 : 6515 MHz                                                    |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz             | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz             | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su                 |                                          |                                                                      |

| 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                                                    | *6515.00        | 119.4 PK                |                |             | 2.04 H             | 199                  | 73.6             | 45.8                     |
| 2                                                    | *6515.00        | 110.3 AV                |                |             | 2.04 H             | 199                  | 64.5             | 45.8                     |
| 3                                                    | #13030.00       | 63.9 PK                 | 88.2           | -24.3       | 2.11 H             | 154                  | 53.2             | 10.7                     |
| 4                                                    | #13030.00       | 49.3 AV                 | 68.2           | -18.9       | 2.11 H             | 154                  | 38.6             | 10.7                     |
| 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                                                    | *6515.00        | 122.0 PK                |                |             | 1.36 V             | 271                  | 76.2             | 45.8                     |
| 2                                                    | *6515.00        | 113.7 AV                |                |             | 1.36 V             | 271                  | 67.9             | 45.8                     |
| 3                                                    | #13030.00       | 64.9 PK                 | 88.2           | -23.3       | 2.22 V             | 188                  | 54.2             | 10.7                     |
| 4                                                    | #13030.00       | 50.0 AV                 | 68.2           | -18.2       | 2.22 V             | 188                  | 39.3             | 10.7                     |

**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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                            |                                          |                                                                      |
|------------------------|----------------------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE20) 26-tone RU | <b>Channel</b>                           | CH 117 : 6535 MHz                                                    |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz             | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz             | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su                 |                                          |                                                                      |

| 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                                                    | *6535.00        | 118.1 PK                |                |             | 1.50 H             | 215                  | 72.2             | 45.9                     |
| 2                                                    | *6535.00        | 108.7 AV                |                |             | 1.50 H             | 215                  | 62.8             | 45.9                     |
| 3                                                    | #13070.00       | 63.7 PK                 | 88.2           | -24.5       | 2.20 H             | 164                  | 53.1             | 10.6                     |
| 4                                                    | #13070.00       | 49.0 AV                 | 68.2           | -19.2       | 2.20 H             | 164                  | 38.4             | 10.6                     |
| 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                                                    | *6535.00        | 121.8 PK                |                |             | 2.16 V             | 254                  | 75.9             | 45.9                     |
| 2                                                    | *6535.00        | 112.8 AV                |                |             | 2.16 V             | 254                  | 66.9             | 45.9                     |
| 3                                                    | #13070.00       | 64.7 PK                 | 88.2           | -23.5       | 2.51 V             | 187                  | 54.1             | 10.6                     |
| 4                                                    | #13070.00       | 50.0 AV                 | 68.2           | -18.2       | 2.51 V             | 187                  | 39.4             | 10.6                     |

**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, the limit was restricted at the RF Output Power.
6. " # " : The radiated frequency is out of the restricted band.

|                        |                            |                                          |                                                                      |
|------------------------|----------------------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE20) 26-tone RU | <b>Channel</b>                           | CH 185 : 6875 MHz                                                    |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz             | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz             | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su                 |                                          |                                                                      |

| 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                                                    | *6875.00        | 119.8 PK                |                |             | 1.21 H             | 197                  | 73.2             | 46.6                     |
| 2                                                    | *6875.00        | 109.7 AV                |                |             | 1.21 H             | 197                  | 63.1             | 46.6                     |
| 3                                                    | #13750.00       | 65.5 PK                 | 88.2           | -22.7       | 2.55 H             | 161                  | 53.6             | 11.9                     |
| 4                                                    | #13750.00       | 50.6 AV                 | 68.2           | -17.6       | 2.55 H             | 161                  | 38.7             | 11.9                     |
| 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                                                    | *6875.00        | 122.7 PK                |                |             | 2.03 V             | 251                  | 76.1             | 46.6                     |
| 2                                                    | *6875.00        | 114.5 AV                |                |             | 2.03 V             | 251                  | 67.9             | 46.6                     |
| 3                                                    | #13750.00       | 66.2 PK                 | 88.2           | -22.0       | 2.22 V             | 205                  | 54.3             | 11.9                     |
| 4                                                    | #13750.00       | 51.1 AV                 | 68.2           | -17.1       | 2.22 V             | 205                  | 39.2             | 11.9                     |

**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, the limit was restricted at the RF Output Power.
6. " # " : The radiated frequency is out of the restricted band.

|                        |                            |                                          |                                                                      |
|------------------------|----------------------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE20) 26-tone RU | <b>Channel</b>                           | CH 209 : 6995 MHz                                                    |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz             | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz             | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su                 |                                          |                                                                      |

| 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                                                    | *6995.00        | 119.6 PK                |                |             | 1.23 H             | 199                  | 72.0             | 47.6                     |
| 2                                                    | *6995.00        | 109.0 AV                |                |             | 1.23 H             | 199                  | 61.4             | 47.6                     |
| 3                                                    | #13990.00       | 64.8 PK                 | 88.2           | -23.4       | 2.55 H             | 167                  | 52.6             | 12.2                     |
| 4                                                    | #13990.00       | 50.1 AV                 | 68.2           | -18.1       | 2.55 H             | 167                  | 37.9             | 12.2                     |
| 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                                                    | *6995.00        | 122.2 PK                |                |             | 2.14 V             | 259                  | 74.6             | 47.6                     |
| 2                                                    | *6995.00        | 114.3 AV                |                |             | 2.14 V             | 259                  | 66.7             | 47.6                     |
| 3                                                    | #13990.00       | 65.9 PK                 | 88.2           | -22.3       | 2.55 V             | 157                  | 53.7             | 12.2                     |
| 4                                                    | #13990.00       | 51.4 AV                 | 68.2           | -16.8       | 2.55 V             | 157                  | 39.2             | 12.2                     |

**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.
5. " \* ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                            |                                          |                                                                      |
|------------------------|----------------------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE20) 26-tone RU | <b>Channel</b>                           | CH 229 : 7095 MHz                                                    |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz             | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz             | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su                 |                                          |                                                                      |

| 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                                                    | *7095.00        | 117.0 PK                |                |             | 1.33 H             | 196                  | 68.8             | 48.2                     |
| 2                                                    | *7095.00        | 107.6 AV                |                |             | 1.33 H             | 196                  | 59.4             | 48.2                     |
| 3                                                    | #7125.00        | 68.0 PK                 | 88.2           | -20.2       | 1.33 H             | 196                  | 58.1             | 9.9                      |
| 4                                                    | #7125.00        | 50.1 AV                 | 68.2           | -18.1       | 1.33 H             | 196                  | 40.2             | 9.9                      |
| 5                                                    | #14190.00       | 66.9 PK                 | 88.2           | -21.3       | 1.72 H             | 211                  | 53.6             | 13.3                     |
| 6                                                    | #14190.00       | 51.7 AV                 | 68.2           | -16.5       | 1.72 H             | 211                  | 38.4             | 13.3                     |
| 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                                                    | *7095.00        | 119.1 PK                |                |             | 2.29 V             | 244                  | 70.9             | 48.2                     |
| 2                                                    | *7095.00        | 109.7 AV                |                |             | 2.29 V             | 244                  | 61.5             | 48.2                     |
| 3                                                    | #7125.00        | 68.4 PK                 | 88.2           | -19.8       | 2.29 V             | 244                  | 58.5             | 9.9                      |
| 4                                                    | #7125.00        | 50.8 AV                 | 68.2           | -17.4       | 2.29 V             | 244                  | 40.9             | 9.9                      |
| 5                                                    | #14190.00       | 67.4 PK                 | 88.2           | -20.8       | 2.55 V             | 125                  | 54.1             | 13.3                     |
| 6                                                    | #14190.00       | 52.5 AV                 | 68.2           | -15.7       | 2.55 V             | 125                  | 39.2             | 13.3                     |

**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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                            |                                          |                                                                      |
|------------------------|----------------------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE20) 52-tone RU | <b>Channel</b>                           | CH 9 : 5995 MHz                                                      |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz             | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz             | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su                 |                                          |                                                                      |

| 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                                                    | #5925.00        | 58.6 PK                 | 88.2           | -29.6       | 2.48 H             | 204                  | 54.1             | 4.5                      |
| 2                                                    | #5925.00        | 51.3 AV                 | 68.2           | -16.9       | 2.48 H             | 204                  | 46.8             | 4.5                      |
| 3                                                    | *5995.00        | 118.9 PK                |                |             | 2.48 H             | 204                  | 76.8             | 42.1                     |
| 4                                                    | *5995.00        | 108.1 AV                |                |             | 2.48 H             | 204                  | 66.0             | 42.1                     |
| 5                                                    | 11990.00        | 63.5 PK                 | 74.0           | -10.5       | 2.25 H             | 188                  | 53.5             | 10.0                     |
| 6                                                    | 11990.00        | 48.1 AV                 | 54.0           | -5.9        | 2.25 H             | 188                  | 38.1             | 10.0                     |
| 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                                                    | #5925.00        | 58.7 PK                 | 88.2           | -29.5       | 1.44 V             | 353                  | 54.2             | 4.5                      |
| 2                                                    | #5925.00        | 45.3 AV                 | 68.2           | -22.9       | 1.44 V             | 353                  | 40.8             | 4.5                      |
| 3                                                    | *5995.00        | 119.0 PK                |                |             | 1.44 V             | 353                  | 76.9             | 42.1                     |
| 4                                                    | *5995.00        | 108.2 AV                |                |             | 1.44 V             | 353                  | 66.1             | 42.1                     |
| 5                                                    | 11990.00        | 63.6 PK                 | 74.0           | -10.4       | 2.51 V             | 188                  | 53.6             | 10.0                     |
| 6                                                    | 11990.00        | 47.2 AV                 | 54.0           | -6.8        | 2.51 V             | 188                  | 37.2             | 10.0                     |

**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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                            |                                          |                                                                      |
|------------------------|----------------------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE20) 52-tone RU | <b>Channel</b>                           | CH 93 : 6415 MHz                                                     |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz             | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz             | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su                 |                                          |                                                                      |

| 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                                                    | *6415.00        | 117.1 PK                |                |             | 1.19 H             | 157                  | 71.7             | 45.4                     |
| 2                                                    | *6415.00        | 106.3 AV                |                |             | 1.19 H             | 157                  | 60.9             | 45.4                     |
| 3                                                    | #12830.00       | 64.2 PK                 | 88.2           | -24.0       | 2.22 H             | 184                  | 53.3             | 10.9                     |
| 4                                                    | #12830.00       | 49.3 AV                 | 68.2           | -18.9       | 2.22 H             | 184                  | 38.4             | 10.9                     |
| 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                                                    | *6415.00        | 120.3 PK                |                |             | 1.00 V             | 267                  | 74.9             | 45.4                     |
| 2                                                    | *6415.00        | 109.6 AV                |                |             | 1.00 V             | 267                  | 64.2             | 45.4                     |
| 3                                                    | #12830.00       | 65.1 PK                 | 88.2           | -23.1       | 1.66 V             | 247                  | 54.2             | 10.9                     |
| 4                                                    | #12830.00       | 50.4 AV                 | 68.2           | -17.8       | 1.66 V             | 247                  | 39.5             | 10.9                     |

**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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                            |                                          |                                                                      |
|------------------------|----------------------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE20) 52-tone RU | <b>Channel</b>                           | CH 97 : 6435 MHz                                                     |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz             | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz             | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su                 |                                          |                                                                      |

| 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                                                    | *6435.00        | 115.8 PK                |                |             | 2.22 H             | 215                  | 70.2             | 45.6                     |
| 2                                                    | *6435.00        | 106.1 AV                |                |             | 2.22 H             | 215                  | 60.5             | 45.6                     |
| 3                                                    | #12870.00       | 64.3 PK                 | 88.2           | -23.9       | 2.25 H             | 111                  | 53.6             | 10.7                     |
| 4                                                    | #12870.00       | 49.1 AV                 | 68.2           | -19.1       | 2.25 H             | 111                  | 38.4             | 10.7                     |
| 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                                                    | *6435.00        | 120.2 PK                |                |             | 1.15 V             | 261                  | 74.6             | 45.6                     |
| 2                                                    | *6435.00        | 110.0 AV                |                |             | 1.15 V             | 261                  | 64.4             | 45.6                     |
| 3                                                    | #12870.00       | 65.0 PK                 | 88.2           | -23.2       | 2.44 V             | 0                    | 54.3             | 10.7                     |
| 4                                                    | #12870.00       | 50.2 AV                 | 68.2           | -18.0       | 2.44 V             | 0                    | 39.5             | 10.7                     |

**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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                            |                                          |                                                                      |
|------------------------|----------------------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE20) 52-tone RU | <b>Channel</b>                           | CH 113 : 6515 MHz                                                    |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz             | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz             | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su                 |                                          |                                                                      |

| 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                                                    | *6515.00        | 117.6 PK                |                |             | 1.36 H             | 155                  | 71.8             | 45.8                     |
| 2                                                    | *6515.00        | 106.3 AV                |                |             | 1.36 H             | 155                  | 60.5             | 45.8                     |
| 3                                                    | #13030.00       | 63.9 PK                 | 88.2           | -24.3       | 2.25 H             | 184                  | 53.2             | 10.7                     |
| 4                                                    | #13030.00       | 49.2 AV                 | 68.2           | -19.0       | 2.25 H             | 184                  | 38.5             | 10.7                     |
| 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                                                    | *6515.00        | 120.1 PK                |                |             | 1.00 V             | 267                  | 74.3             | 45.8                     |
| 2                                                    | *6515.00        | 109.6 AV                |                |             | 1.00 V             | 267                  | 63.8             | 45.8                     |
| 3                                                    | #13030.00       | 65.0 PK                 | 88.2           | -23.2       | 1.99 V             | 175                  | 54.3             | 10.7                     |
| 4                                                    | #13030.00       | 50.1 AV                 | 68.2           | -18.1       | 1.99 V             | 175                  | 39.4             | 10.7                     |

**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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                            |                                          |                                                                      |
|------------------------|----------------------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE20) 52-tone RU | <b>Channel</b>                           | CH 117 : 6535 MHz                                                    |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz             | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz             | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su                 |                                          |                                                                      |

| 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                                                    | *6535.00        | 116.1 PK                |                |             | 1.55 H             | 211                  | 70.2             | 45.9                     |
| 2                                                    | *6535.00        | 106.7 AV                |                |             | 1.55 H             | 211                  | 60.8             | 45.9                     |
| 3                                                    | #13070.00       | 63.8 PK                 | 88.2           | -24.4       | 2.22 H             | 175                  | 53.2             | 10.6                     |
| 4                                                    | #13070.00       | 49.0 AV                 | 68.2           | -19.2       | 2.22 H             | 175                  | 38.4             | 10.6                     |
| 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                                                    | *6535.00        | 120.0 PK                |                |             | 1.00 V             | 272                  | 74.1             | 45.9                     |
| 2                                                    | *6535.00        | 109.4 AV                |                |             | 1.00 V             | 272                  | 63.5             | 45.9                     |
| 3                                                    | #13070.00       | 64.7 PK                 | 88.2           | -23.5       | 2.35 V             | 188                  | 54.1             | 10.6                     |
| 4                                                    | #13070.00       | 49.9 AV                 | 68.2           | -18.3       | 2.35 V             | 188                  | 39.3             | 10.6                     |

**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, the limit was restricted at the RF Output Power.
6. " # " : The radiated frequency is out of the restricted band.

|                        |                            |                                          |                                                                      |
|------------------------|----------------------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE20) 52-tone RU | <b>Channel</b>                           | CH 185 : 6875 MHz                                                    |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz             | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz             | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su                 |                                          |                                                                      |

| 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                                                    | *6875.00        | 117.4 PK                |                |             | 1.22 H             | 197                  | 70.8             | 46.6                     |
| 2                                                    | *6875.00        | 106.7 AV                |                |             | 1.22 H             | 197                  | 60.1             | 46.6                     |
| 3                                                    | #13750.00       | 65.5 PK                 | 88.2           | -22.7       | 2.41 H             | 175                  | 53.6             | 11.9                     |
| 4                                                    | #13750.00       | 50.4 AV                 | 68.2           | -17.8       | 2.41 H             | 175                  | 38.5             | 11.9                     |
| 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                                                    | *6875.00        | 121.1 PK                |                |             | 2.69 V             | 276                  | 74.5             | 46.6                     |
| 2                                                    | *6875.00        | 109.9 AV                |                |             | 2.69 V             | 276                  | 63.3             | 46.6                     |
| 3                                                    | #13750.00       | 66.4 PK                 | 88.2           | -21.8       | 1.87 V             | 211                  | 54.5             | 11.9                     |
| 4                                                    | #13750.00       | 51.4 AV                 | 68.2           | -16.8       | 1.87 V             | 211                  | 39.5             | 11.9                     |

**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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                            |                                          |                                                                      |
|------------------------|----------------------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE20) 52-tone RU | <b>Channel</b>                           | CH 209 : 6995 MHz                                                    |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz             | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz             | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su                 |                                          |                                                                      |

| 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                                                    | *6995.00        | 121.0 PK                |                |             | 2.02 H             | 264                  | 73.4             | 47.6                     |
| 2                                                    | *6995.00        | 110.1 AV                |                |             | 2.02 H             | 264                  | 62.5             | 47.6                     |
| 3                                                    | #13990.00       | 64.9 PK                 | 88.2           | -23.3       | 2.47 H             | 166                  | 52.7             | 12.2                     |
| 4                                                    | #13990.00       | 50.0 AV                 | 68.2           | -18.2       | 2.47 H             | 166                  | 37.8             | 12.2                     |
| 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                                                    | *6995.00        | 121.1 PK                |                |             | 2.70 V             | 282                  | 73.5             | 47.6                     |
| 2                                                    | *6995.00        | 110.2 AV                |                |             | 2.70 V             | 282                  | 62.6             | 47.6                     |
| 3                                                    | #13990.00       | 65.8 PK                 | 88.2           | -22.4       | 2.41 V             | 184                  | 53.6             | 12.2                     |
| 4                                                    | #13990.00       | 51.1 AV                 | 68.2           | -17.1       | 2.41 V             | 184                  | 38.9             | 12.2                     |

**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.
5. " \* ": Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                            |                                          |                                                                      |
|------------------------|----------------------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE20) 52-tone RU | <b>Channel</b>                           | CH 229 : 7095 MHz                                                    |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz             | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz             | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su                 |                                          |                                                                      |

| 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                                                    | *7095.00        | 116.3 PK                |                |             | 1.00 H             | 197                  | 68.1             | 48.2                     |
| 2                                                    | *7095.00        | 105.3 AV                |                |             | 1.00 H             | 197                  | 57.1             | 48.2                     |
| 3                                                    | #7125.00        | 67.5 PK                 | 88.2           | -20.7       | 1.00 H             | 197                  | 57.6             | 9.9                      |
| 4                                                    | #7125.00        | 50.9 AV                 | 68.2           | -17.3       | 1.00 H             | 197                  | 41.0             | 9.9                      |
| 5                                                    | #14190.00       | 66.8 PK                 | 88.2           | -21.4       | 2.14 H             | 188                  | 53.5             | 13.3                     |
| 6                                                    | #14190.00       | 51.7 AV                 | 68.2           | -16.5       | 2.14 H             | 188                  | 38.4             | 13.3                     |
| 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                                                    | *7095.00        | 117.5 PK                |                |             | 2.14 V             | 278                  | 69.3             | 48.2                     |
| 2                                                    | *7095.00        | 69.2 PK                 |                |             | 2.14 V             | 278                  | 59.4             | 9.8                      |
| 3                                                    | *7095.00        | 106.4 AV                |                |             | 2.14 V             | 278                  | 58.2             | 48.2                     |
| 4                                                    | *7095.00        | 50.7 AV                 |                |             | 2.14 V             | 278                  | 40.9             | 9.8                      |
| 5                                                    | #14190.00       | 67.5 PK                 | 88.2           | -20.7       | 2.55 V             | 147                  | 54.2             | 13.3                     |
| 6                                                    | #14190.00       | 52.4 AV                 | 68.2           | -15.8       | 2.55 V             | 147                  | 39.1             | 13.3                     |

**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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                             |                                          |                                                                      |
|------------------------|-----------------------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE20) 106-tone RU | <b>Channel</b>                           | CH 9 : 5995 MHz                                                      |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz              | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz              | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su                  |                                          |                                                                      |

| 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                                                    | #5925.00        | 59.2 PK                 | 88.2           | -29.0       | 2.22 H             | 211                  | 54.7             | 4.5                      |
| 2                                                    | #5925.00        | 45.4 AV                 | 68.2           | -22.8       | 2.22 H             | 211                  | 40.9             | 4.5                      |
| 3                                                    | *5995.00        | 116.7 PK                |                |             | 2.22 H             | 211                  | 74.6             | 42.1                     |
| 4                                                    | *5995.00        | 105.4 AV                |                |             | 2.22 H             | 211                  | 63.3             | 42.1                     |
| 5                                                    | 11990.00        | 63.4 PK                 | 74.0           | -10.6       | 1.53 H             | 182                  | 53.4             | 10.0                     |
| 6                                                    | 11990.00        | 47.8 AV                 | 54.0           | -6.2        | 1.53 H             | 182                  | 37.8             | 10.0                     |
| 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                                                    | #5925.00        | 58.8 PK                 | 88.2           | -29.4       | 1.03 V             | 263                  | 54.3             | 4.5                      |
| 2                                                    | #5925.00        | 45.1 AV                 | 68.2           | -23.1       | 1.03 V             | 263                  | 40.6             | 4.5                      |
| 3                                                    | *5995.00        | 116.9 PK                |                |             | 1.03 V             | 263                  | 74.8             | 42.1                     |
| 4                                                    | *5995.00        | 105.6 AV                |                |             | 1.03 V             | 263                  | 63.5             | 42.1                     |
| 5                                                    | 11990.00        | 63.5 PK                 | 74.0           | -10.5       | 2.32 V             | 157                  | 53.5             | 10.0                     |
| 6                                                    | 11990.00        | 47.1 AV                 | 54.0           | -6.9        | 2.32 V             | 157                  | 37.1             | 10.0                     |

**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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                             |                                          |                                                                      |
|------------------------|-----------------------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE20) 106-tone RU | <b>Channel</b>                           | CH 93 : 6415 MHz                                                     |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz              | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz              | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su                  |                                          |                                                                      |

| 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                                                    | *6415.00        | 115.5 PK                |                |             | 1.16 H             | 159                  | 70.1             | 45.4                     |
| 2                                                    | *6415.00        | 103.7 AV                |                |             | 1.16 H             | 159                  | 58.3             | 45.4                     |
| 3                                                    | #12830.00       | 64.1 PK                 | 88.2           | -24.1       | 2.54 H             | 235                  | 53.2             | 10.9                     |
| 4                                                    | #12830.00       | 49.2 AV                 | 68.2           | -19.0       | 2.54 H             | 235                  | 38.3             | 10.9                     |
| 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                                                    | *6415.00        | 115.6 PK                |                |             | 1.13 V             | 282                  | 70.2             | 45.4                     |
| 2                                                    | *6415.00        | 103.9 AV                |                |             | 1.13 V             | 282                  | 58.5             | 45.4                     |
| 3                                                    | #12830.00       | 64.0 PK                 | 88.2           | -24.2       | 2.34 V             | 221                  | 53.1             | 10.9                     |
| 4                                                    | #12830.00       | 49.0 AV                 | 68.2           | -19.2       | 2.34 V             | 221                  | 38.1             | 10.9                     |

**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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                             |                                          |                                                                      |
|------------------------|-----------------------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE20) 106-tone RU | <b>Channel</b>                           | CH 97 : 6435 MHz                                                     |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz              | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz              | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su                  |                                          |                                                                      |

| 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                                                    | *6435.00        | 115.2 PK                |                |             | 1.02 H             | 260                  | 69.6             | 45.6                     |
| 2                                                    | *6435.00        | 104.4 AV                |                |             | 1.02 H             | 260                  | 58.8             | 45.6                     |
| 3                                                    | #12870.00       | 64.2 PK                 | 88.2           | -24.0       | 2.24 H             | 153                  | 53.5             | 10.7                     |
| 4                                                    | #12870.00       | 49.0 AV                 | 68.2           | -19.2       | 2.24 H             | 153                  | 38.3             | 10.7                     |
| 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                                                    | *6435.00        | 115.3 PK                |                |             | 1.01 V             | 267                  | 69.7             | 45.6                     |
| 2                                                    | *6435.00        | 104.5 AV                |                |             | 1.01 V             | 267                  | 58.9             | 45.6                     |
| 3                                                    | #12870.00       | 64.1 PK                 | 88.2           | -24.1       | 1.53 V             | 193                  | 53.4             | 10.7                     |
| 4                                                    | #12870.00       | 48.9 AV                 | 68.2           | -19.3       | 1.53 V             | 193                  | 38.2             | 10.7                     |

**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, the limit was restricted at the RF Output Power.
6. " # " : The radiated frequency is out of the restricted band.

|                 |                             |                               |                                                                      |
|-----------------|-----------------------------|-------------------------------|----------------------------------------------------------------------|
| RF Mode         | 802.11ax (HE20) 106-tone RU | Channel                       | CH 113 : 6515 MHz                                                    |
| Frequency Range | 1 GHz ~ 40 GHz              | Detector Function & Bandwidth | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| Input Power     | 120 Vac, 60 Hz              | Environmental Conditions      | 23°C, 68% RH                                                         |
| Tested By       | William Su                  |                               |                                                                      |

| 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                                                    | *6515.00        | 115.7 PK                |                |             | 1.01 H             | 158                  | 69.9             | 45.8                     |
| 2                                                    | *6515.00        | 104.3 AV                |                |             | 1.01 H             | 158                  | 58.5             | 45.8                     |
| 3                                                    | #13030.00       | 63.8 PK                 | 88.2           | -24.4       | 1.78 H             | 245                  | 53.1             | 10.7                     |
| 4                                                    | #13030.00       | 49.1 AV                 | 68.2           | -19.1       | 1.78 H             | 245                  | 38.4             | 10.7                     |
| 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                                                    | *6515.00        | 115.8 PK                |                |             | 1.02 V             | 282                  | 70.0             | 45.8                     |
| 2                                                    | *6515.00        | 104.4 AV                |                |             | 1.02 V             | 282                  | 58.6             | 45.8                     |
| 3                                                    | #13030.00       | 63.7 PK                 | 88.2           | -24.5       | 2.04 V             | 115                  | 53.0             | 10.7                     |
| 4                                                    | #13030.00       | 49.0 AV                 | 68.2           | -19.2       | 2.04 V             | 115                  | 38.3             | 10.7                     |

**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, the limit was restricted at the RF Output Power.
6. " # " : The radiated frequency is out of the restricted band.

|                        |                             |                                          |                                                                      |
|------------------------|-----------------------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE20) 106-tone RU | <b>Channel</b>                           | CH 117 : 6535 MHz                                                    |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz              | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz              | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su                  |                                          |                                                                      |

| 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                                                    | *6535.00        | 115.6 PK                |                |             | 1.02 H             | 263                  | 69.7             | 45.9                     |
| 2                                                    | *6535.00        | 104.0 AV                |                |             | 1.02 H             | 263                  | 58.1             | 45.9                     |
| 3                                                    | #13070.00       | 63.7 PK                 | 88.2           | -24.5       | 1.35 H             | 204                  | 53.1             | 10.6                     |
| 4                                                    | #13070.00       | 48.9 AV                 | 68.2           | -19.3       | 1.35 H             | 204                  | 38.3             | 10.6                     |
| 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                                                    | *6535.00        | 115.7 PK                |                |             | 1.00 V             | 281                  | 69.8             | 45.9                     |
| 2                                                    | *6535.00        | 104.1 AV                |                |             | 1.00 V             | 281                  | 58.2             | 45.9                     |
| 3                                                    | #13070.00       | 63.6 PK                 | 88.2           | -24.6       | 2.24 V             | 153                  | 53.0             | 10.6                     |
| 4                                                    | #13070.00       | 48.8 AV                 | 68.2           | -19.4       | 2.24 V             | 153                  | 38.2             | 10.6                     |

**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, the limit was restricted at the RF Output Power.
6. " # " : The radiated frequency is out of the restricted band.

|                        |                             |                                          |                                                                      |
|------------------------|-----------------------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE20) 106-tone RU | <b>Channel</b>                           | CH 185 : 6875 MHz                                                    |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz              | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz              | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su                  |                                          |                                                                      |

| 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                                                    | *6875.00        | 116.0 PK                |                |             | 2.47 H             | 261                  | 69.4             | 46.6                     |
| 2                                                    | *6875.00        | 104.3 AV                |                |             | 2.47 H             | 261                  | 57.7             | 46.6                     |
| 3                                                    | #13750.00       | 65.4 PK                 | 88.2           | -22.8       | 1.58 H             | 139                  | 53.5             | 11.9                     |
| 4                                                    | #13750.00       | 50.3 AV                 | 68.2           | -17.9       | 1.58 H             | 139                  | 38.4             | 11.9                     |
| 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                                                    | *6875.00        | 116.1 PK                |                |             | 1.38 V             | 314                  | 69.5             | 46.6                     |
| 2                                                    | *6875.00        | 104.4 AV                |                |             | 1.38 V             | 314                  | 57.8             | 46.6                     |
| 3                                                    | #13750.00       | 64.3 PK                 | 88.2           | -23.9       | 2.05 V             | 134                  | 52.4             | 11.9                     |
| 4                                                    | #13750.00       | 50.1 AV                 | 68.2           | -18.1       | 2.05 V             | 134                  | 38.2             | 11.9                     |

**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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                             |                                          |                                                                      |
|------------------------|-----------------------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE20) 106-tone RU | <b>Channel</b>                           | CH 209 : 6995 MHz                                                    |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz              | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz              | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su                  |                                          |                                                                      |

| 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                                                    | *6995.00        | 118.9 PK                |                |             | 2.08 H             | 243                  | 71.3             | 47.6                     |
| 2                                                    | *6995.00        | 107.1 AV                |                |             | 2.08 H             | 243                  | 59.5             | 47.6                     |
| 3                                                    | #13990.00       | 64.7 PK                 | 88.2           | -23.5       | 1.42 H             | 130                  | 52.5             | 12.2                     |
| 4                                                    | #13990.00       | 49.8 AV                 | 68.2           | -18.4       | 1.42 H             | 130                  | 37.6             | 12.2                     |
| 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                                                    | *6995.00        | 119.0 PK                |                |             | 1.17 V             | 284                  | 71.4             | 47.6                     |
| 2                                                    | *6995.00        | 107.2 AV                |                |             | 1.17 V             | 284                  | 59.6             | 47.6                     |
| 3                                                    | #13990.00       | 64.4 PK                 | 88.2           | -23.8       | 2.01 V             | 114                  | 52.2             | 12.2                     |
| 4                                                    | #13990.00       | 49.6 AV                 | 68.2           | -18.6       | 2.01 V             | 114                  | 37.4             | 12.2                     |

**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.
5. " \* " : Fundamental frequency, the limit was restricted at the RF Output Power.
6. " # " : The radiated frequency is out of the restricted band.

|                        |                             |                                          |                                                                      |
|------------------------|-----------------------------|------------------------------------------|----------------------------------------------------------------------|
| <b>RF Mode</b>         | 802.11ax (HE20) 106-tone RU | <b>Channel</b>                           | CH 229 : 7095 MHz                                                    |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz              | <b>Detector Function &amp; Bandwidth</b> | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
| <b>Input Power</b>     | 120 Vac, 60 Hz              | <b>Environmental Conditions</b>          | 23°C, 68% RH                                                         |
| <b>Tested By</b>       | William Su                  |                                          |                                                                      |

| 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                                                    | *7095.00        | 113.7 PK                |                |             | 1.20 H             | 184                  | 65.5             | 48.2                     |
| 2                                                    | *7095.00        | 102.4 AV                |                |             | 1.20 H             | 184                  | 54.2             | 48.2                     |
| 3                                                    | #7125.00        | 68.2 PK                 | 88.2           | -20.0       | 1.20 H             | 184                  | 58.3             | 9.9                      |
| 4                                                    | #7125.00        | 51.4 AV                 | 68.2           | -16.8       | 1.20 H             | 184                  | 41.5             | 9.9                      |
| 5                                                    | #14190.00       | 66.7 PK                 | 88.2           | -21.5       | 1.63 H             | 208                  | 53.4             | 13.3                     |
| 6                                                    | #14190.00       | 51.5 AV                 | 68.2           | -16.7       | 1.63 H             | 208                  | 38.2             | 13.3                     |
| 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                                                    | *7095.00        | 113.8 PK                |                |             | 2.13 V             | 220                  | 65.6             | 48.2                     |
| 2                                                    | *7095.00        | 102.5 AV                |                |             | 2.13 V             | 220                  | 54.3             | 48.2                     |
| 3                                                    | #7125.00        | 66.2 PK                 | 88.2           | -22.0       | 2.13 V             | 220                  | 56.3             | 9.9                      |
| 4                                                    | #7125.00        | 51.2 AV                 | 68.2           | -17.0       | 2.13 V             | 220                  | 41.3             | 9.9                      |
| 5                                                    | #14190.00       | 66.4 PK                 | 88.2           | -21.8       | 1.23 V             | 181                  | 53.1             | 13.3                     |
| 6                                                    | #14190.00       | 51.3 AV                 | 68.2           | -16.9       | 1.23 V             | 181                  | 38.0             | 13.3                     |

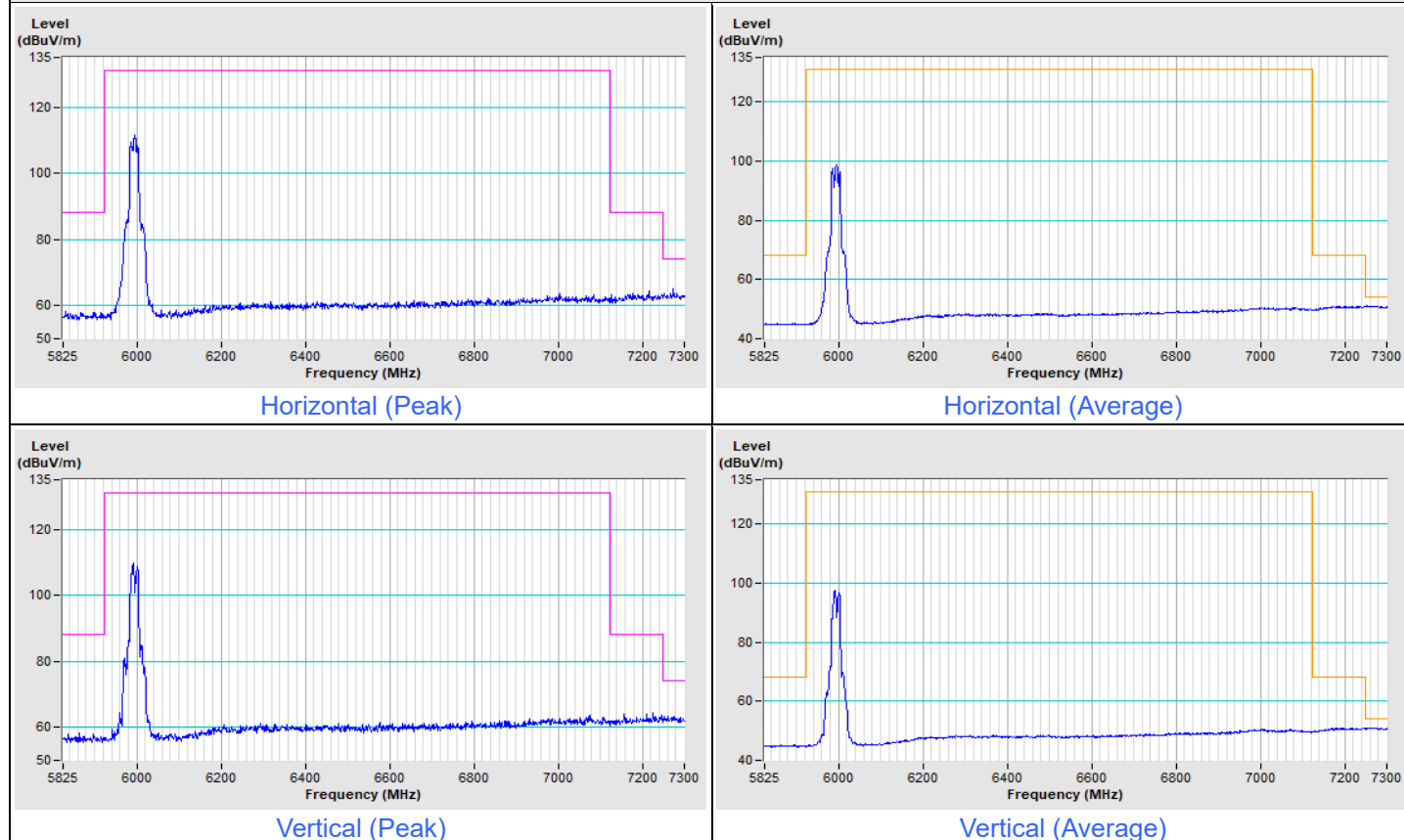
**Remarks:**

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, the limit was restricted at the RF Output Power.
6. " # ": The radiated frequency is out of the restricted band.

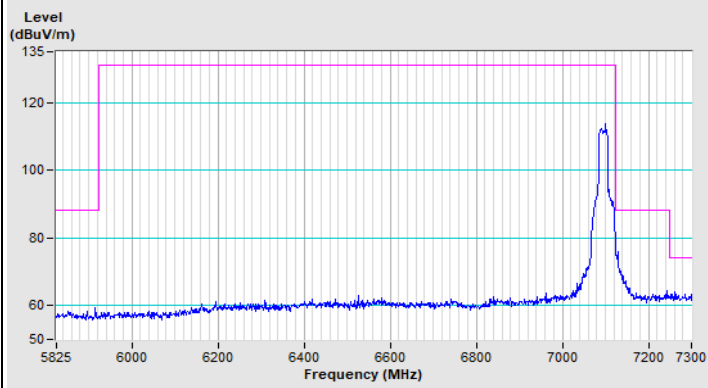
## Plot of Band Edge

|                 |                     |                               |                                                                      |
|-----------------|---------------------|-------------------------------|----------------------------------------------------------------------|
| Frequency Range | 5.825 GHz ~ 7.3 GHz | Detector Function & Bandwidth | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
|-----------------|---------------------|-------------------------------|----------------------------------------------------------------------|

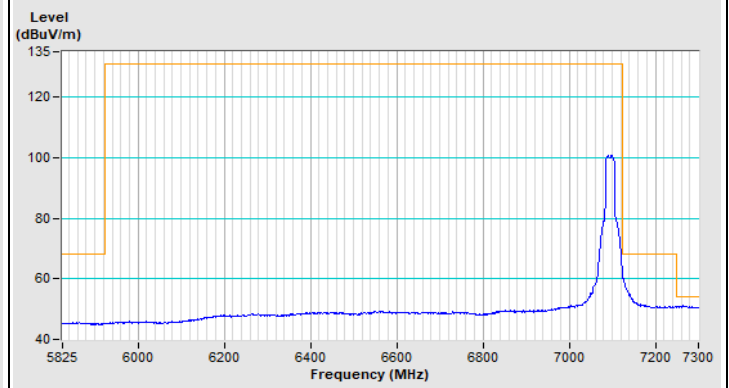
### 802.11ax (HE20) Channel 9



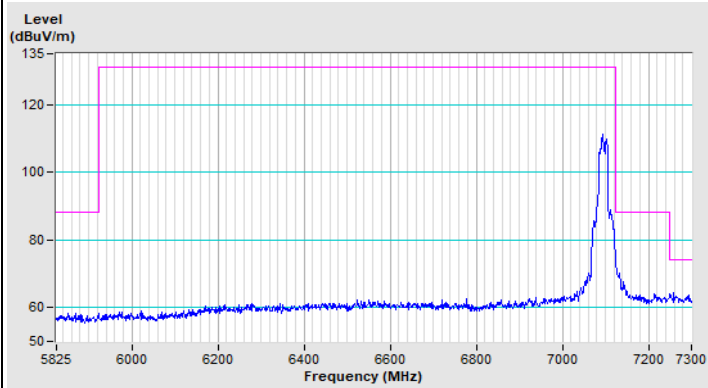
# 802.11ax (HE20) Channel 229



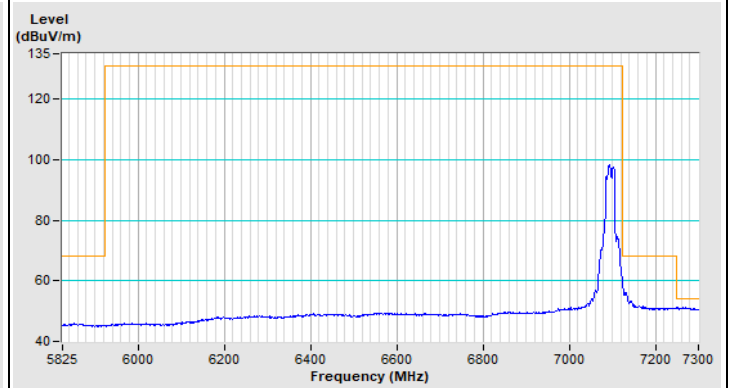
Horizontal (Peak)



Horizontal (Average)



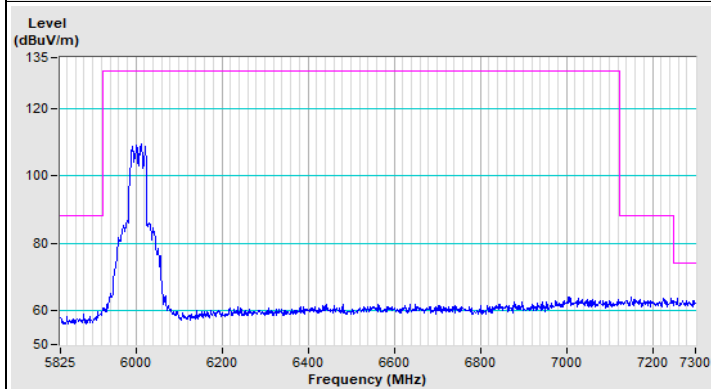
Vertical (Peak)



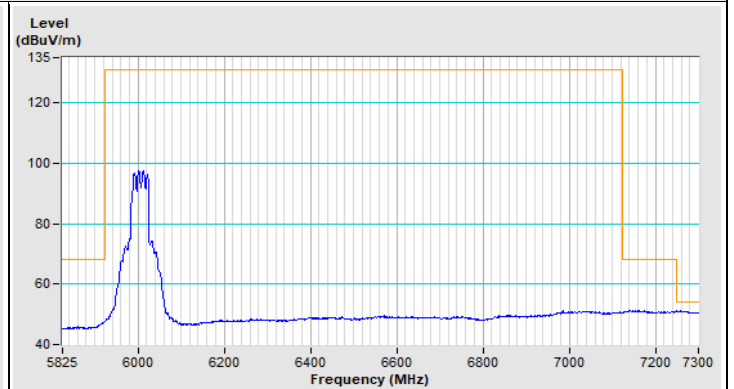
Vertical (Average)

|                 |                     |                               |                                                                      |
|-----------------|---------------------|-------------------------------|----------------------------------------------------------------------|
| Frequency Range | 5.825 GHz ~ 7.3 GHz | Detector Function & Bandwidth | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
|-----------------|---------------------|-------------------------------|----------------------------------------------------------------------|

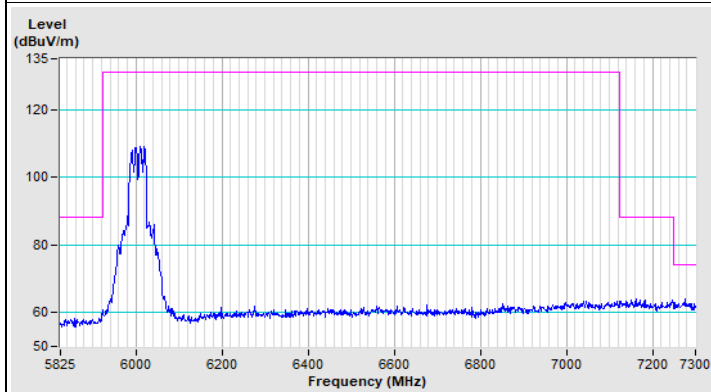
### 802.11ax (HE40) Channel 11



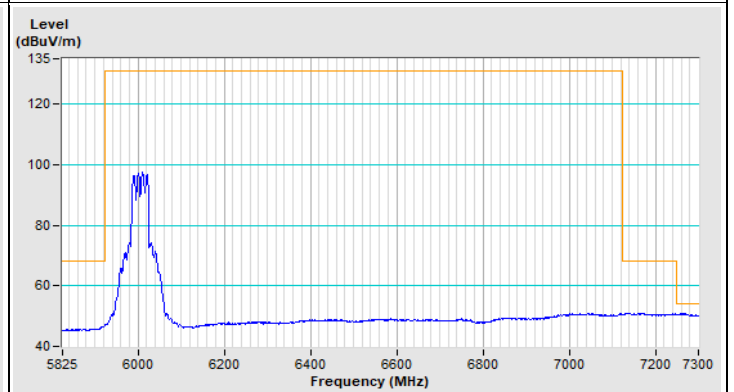
Horizontal (Peak)



Horizontal (Average)

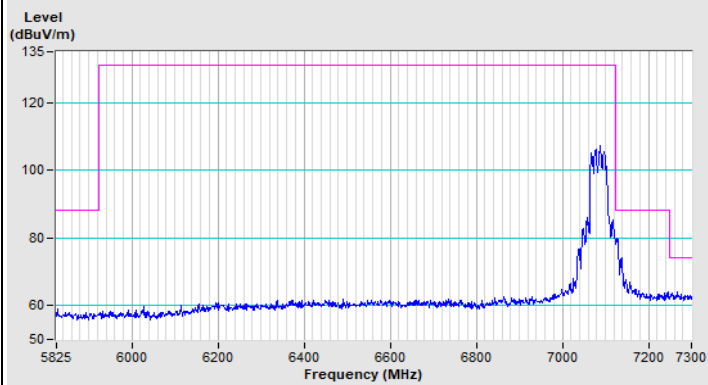


Vertical (Peak)

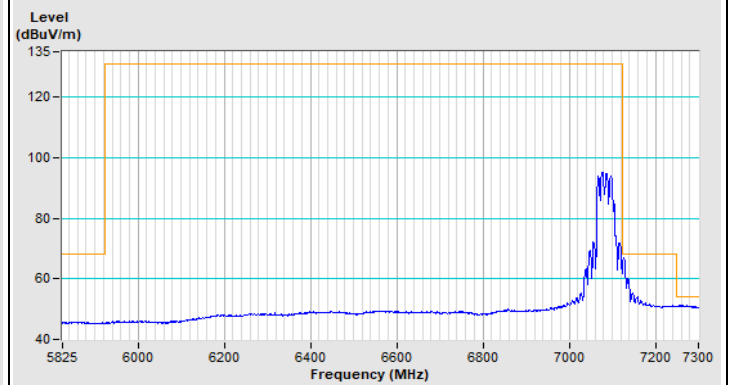


Vertical (Average)

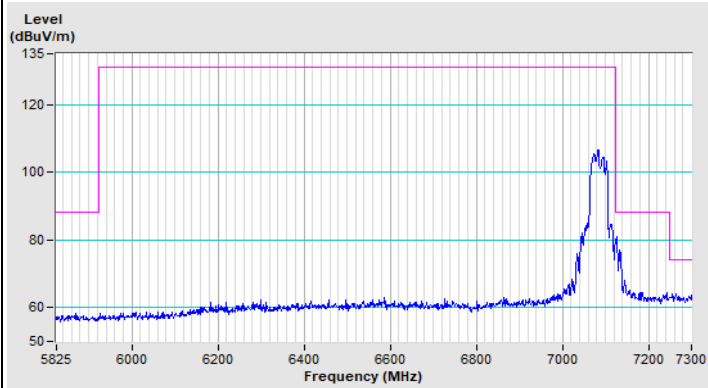
## 802.11ax (HE40) Channel 227



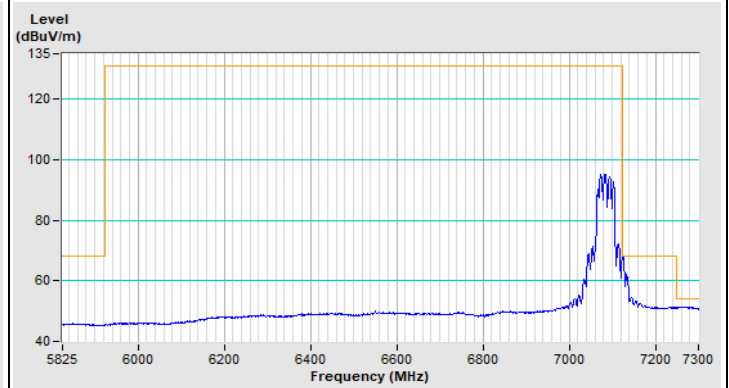
Horizontal (Peak)



Horizontal (Average)



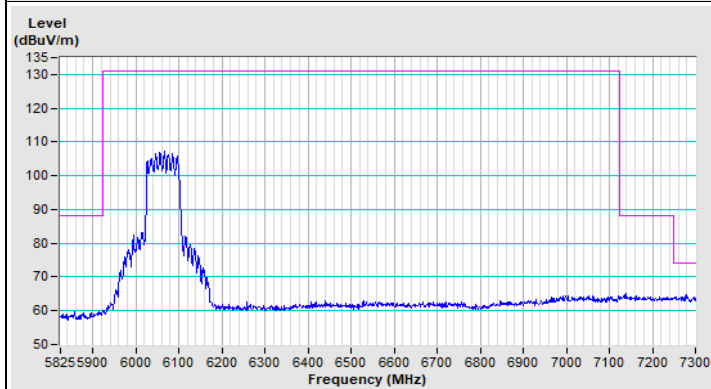
Vertical (Peak)



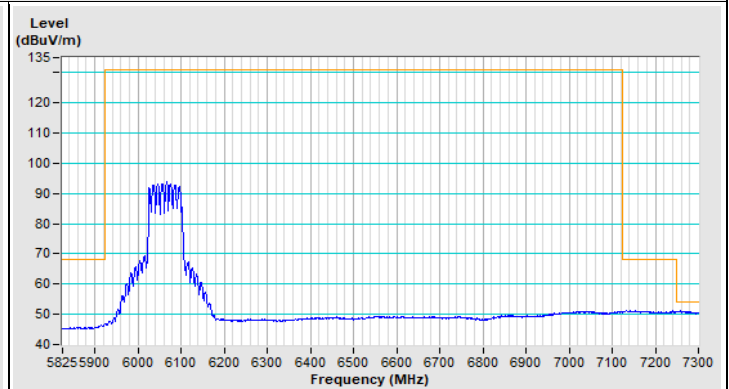
Vertical (Average)

|                 |                     |                               |                                                                      |
|-----------------|---------------------|-------------------------------|----------------------------------------------------------------------|
| Frequency Range | 5.825 GHz ~ 7.3 GHz | Detector Function & Bandwidth | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
|-----------------|---------------------|-------------------------------|----------------------------------------------------------------------|

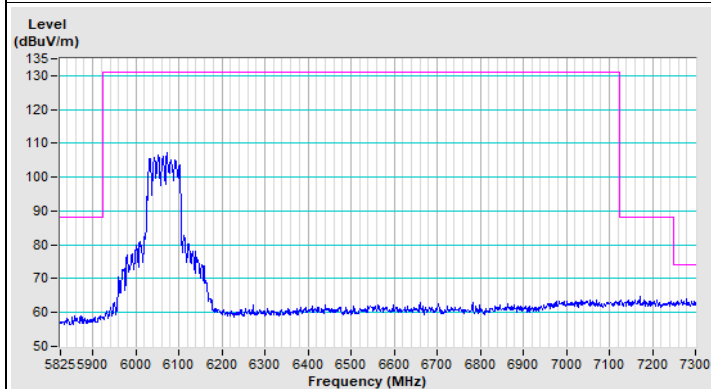
### 802.11ax (HE80) Channel 23



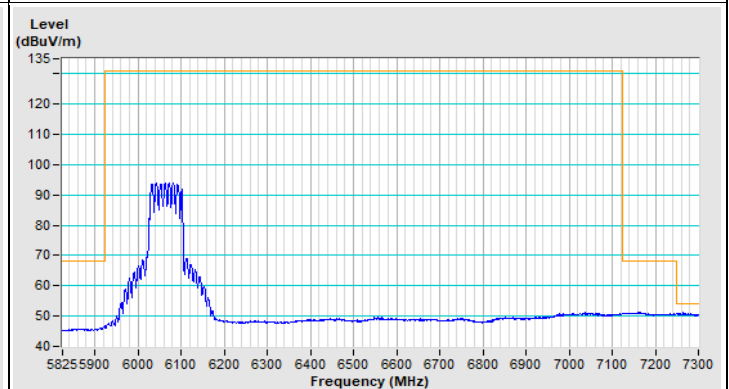
Horizontal (Peak)



Horizontal (Average)

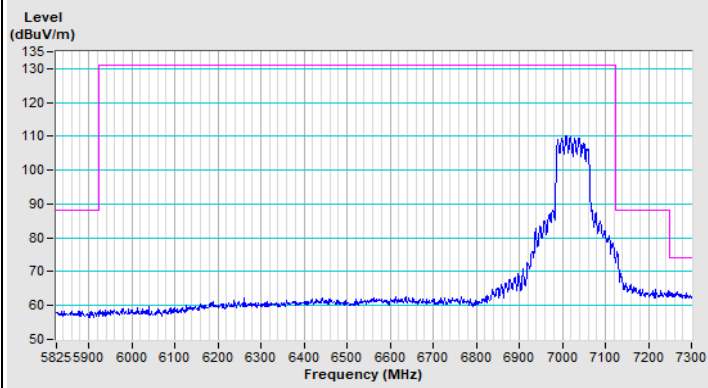


Vertical (Peak)

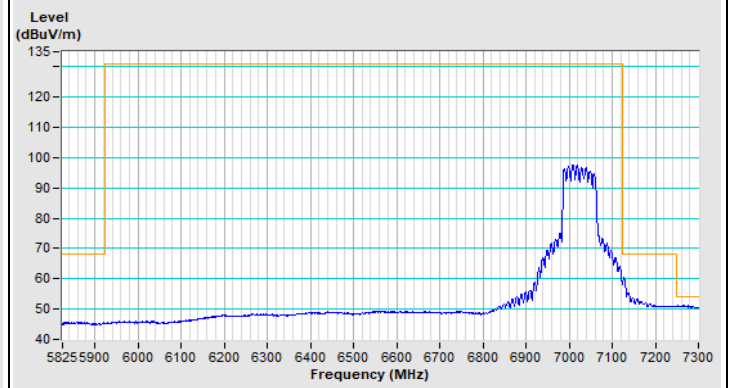


Vertical (Average)

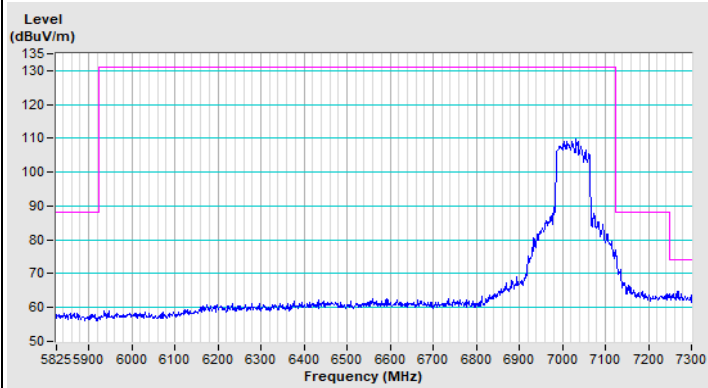
## 802.11ax (HE80) Channel 215



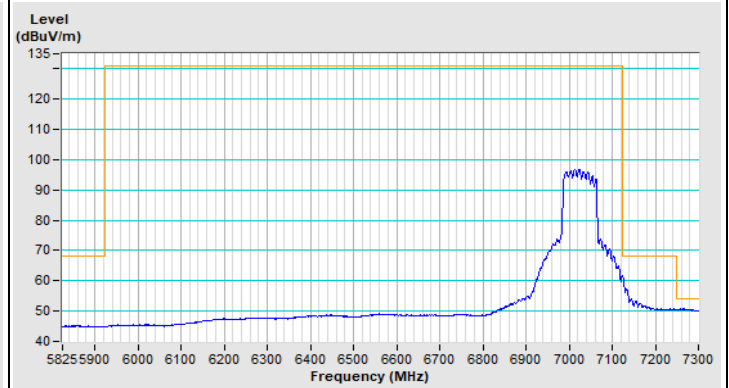
Horizontal (Peak)



Horizontal (Average)



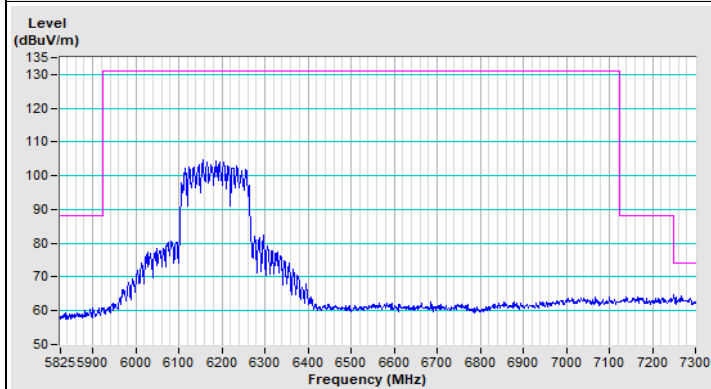
Vertical (Peak)



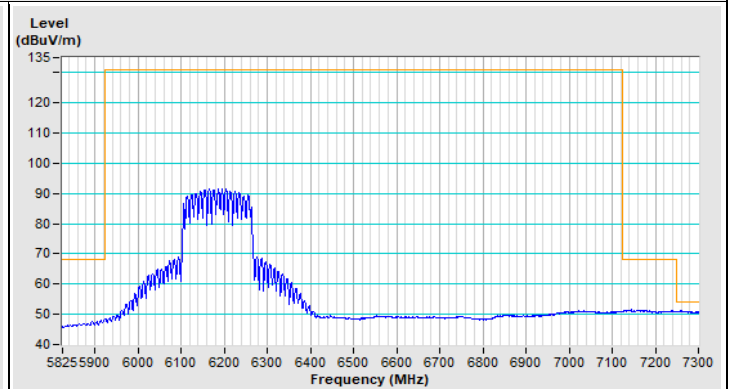
Vertical (Average)

|                 |                     |                               |                                                                      |
|-----------------|---------------------|-------------------------------|----------------------------------------------------------------------|
| Frequency Range | 5.825 GHz ~ 7.3 GHz | Detector Function & Bandwidth | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
|-----------------|---------------------|-------------------------------|----------------------------------------------------------------------|

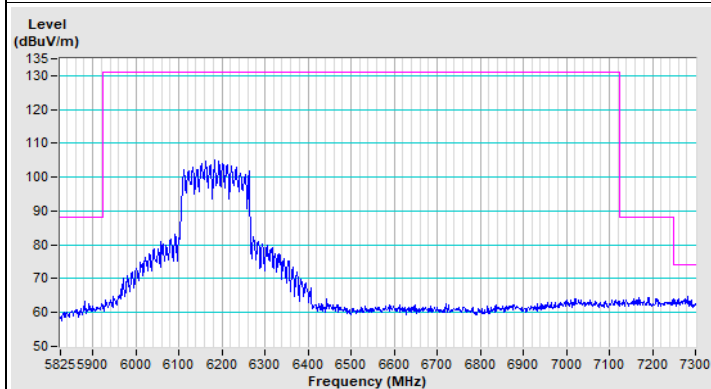
### 802.11ax (HE160) Channel 47



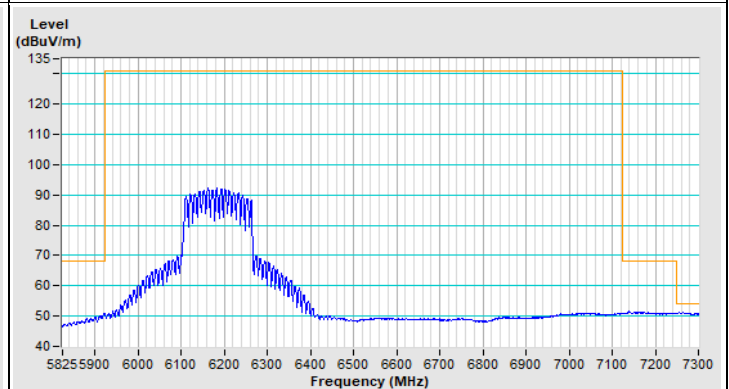
Horizontal (Peak)



Horizontal (Average)

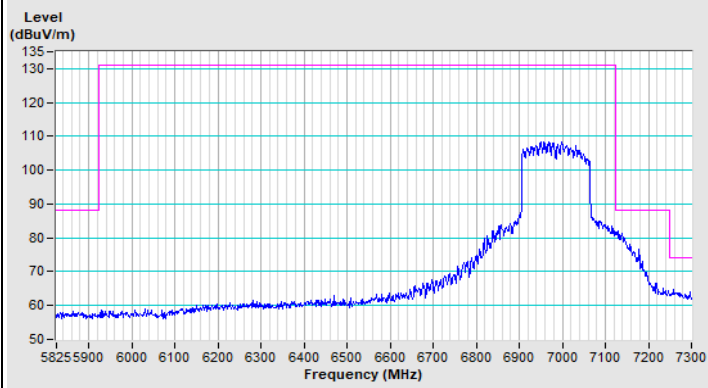


Vertical (Peak)

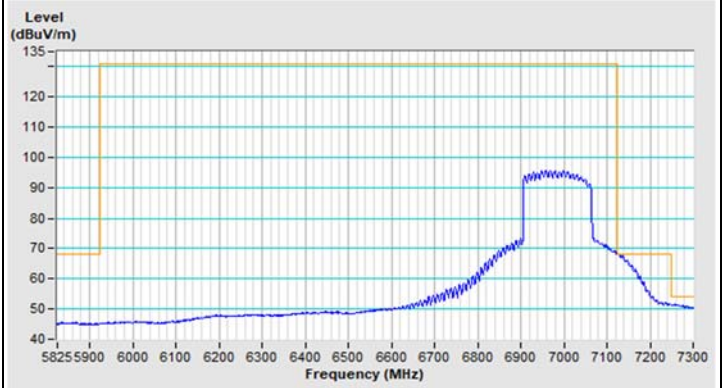


Vertical (Average)

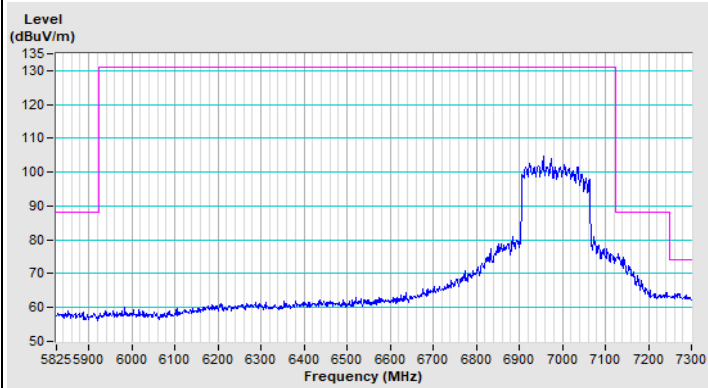
### 802.11ax (HE160) Channel 207



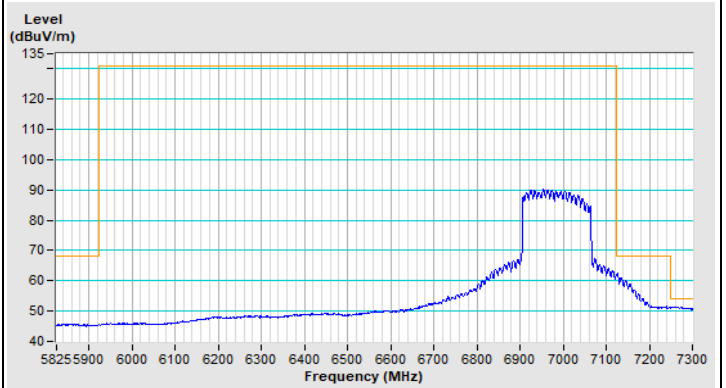
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)

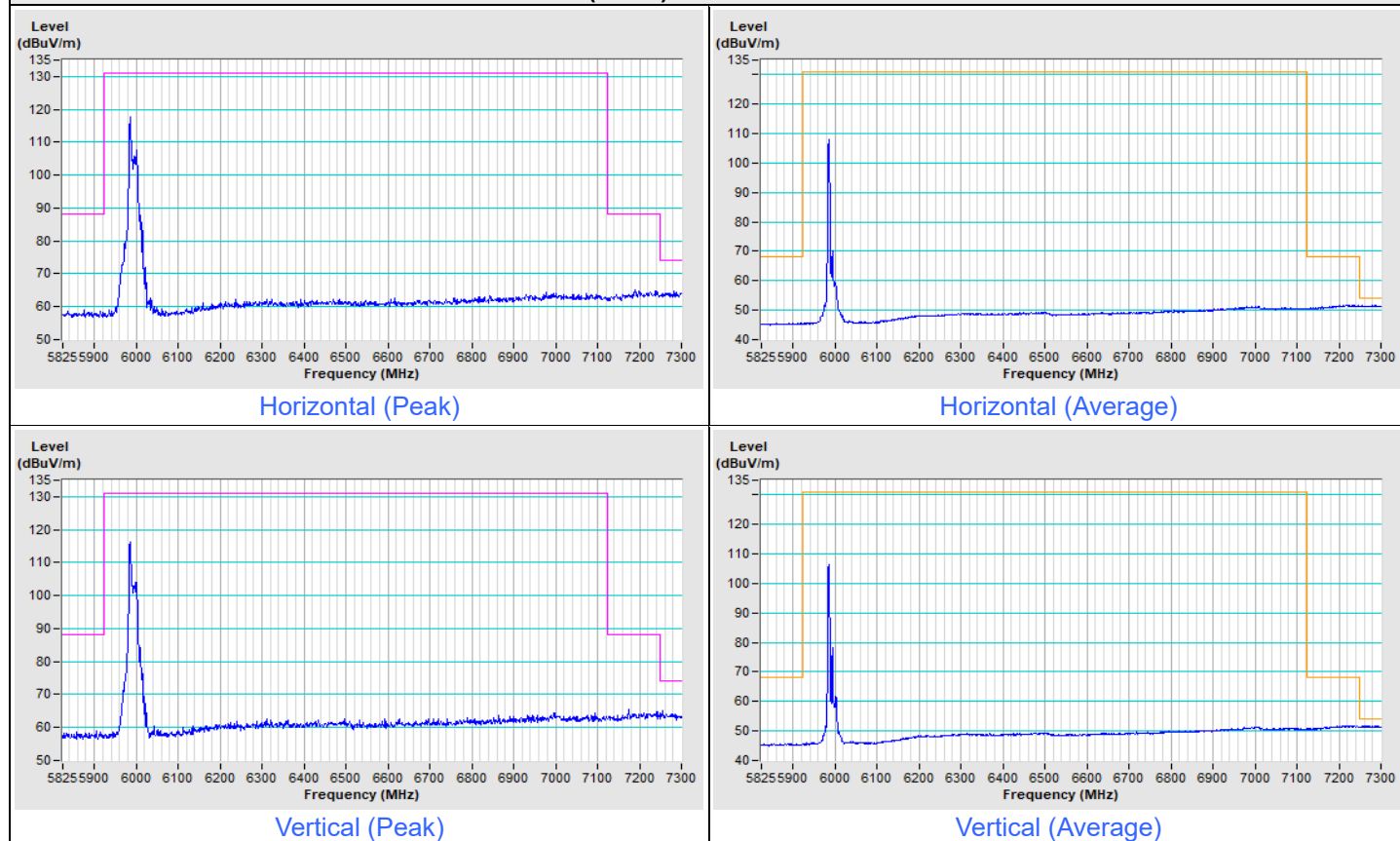


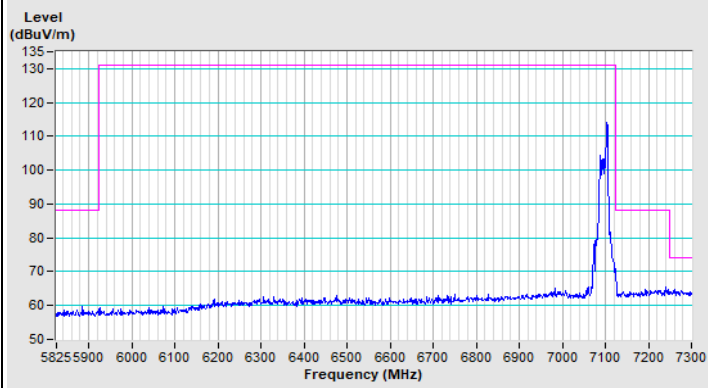
Vertical (Average)

## Partial RU Plot of Band Edge

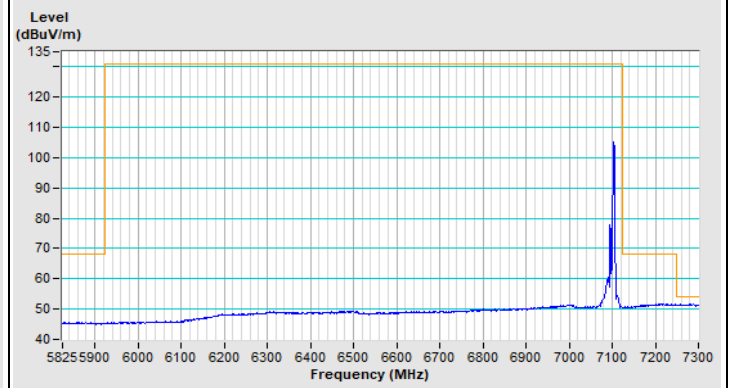
|                 |                     |                               |                                                                      |
|-----------------|---------------------|-------------------------------|----------------------------------------------------------------------|
| Frequency Range | 5.825 GHz ~ 7.3 GHz | Detector Function & Bandwidth | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
|-----------------|---------------------|-------------------------------|----------------------------------------------------------------------|

### 802.11ax (HE20) 26-tone RU Channel 9

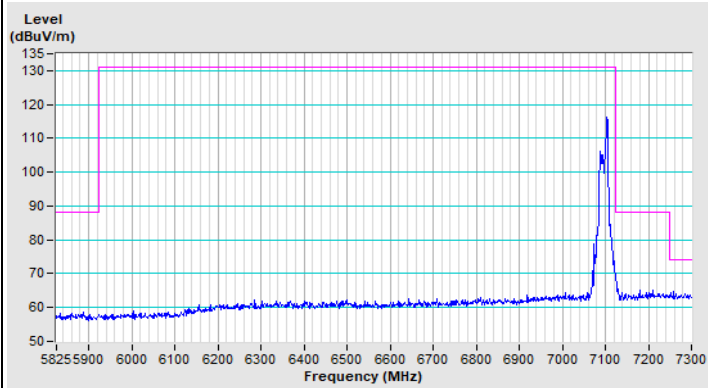


**802.11ax (HE20) 26-tone RU Channel 229**

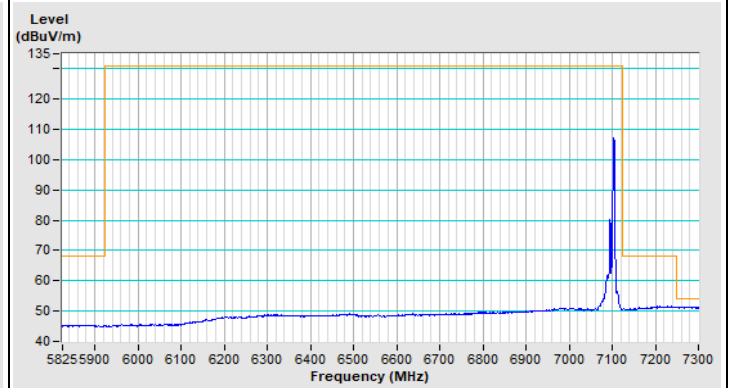
Horizontal (Peak)



Horizontal (Average)



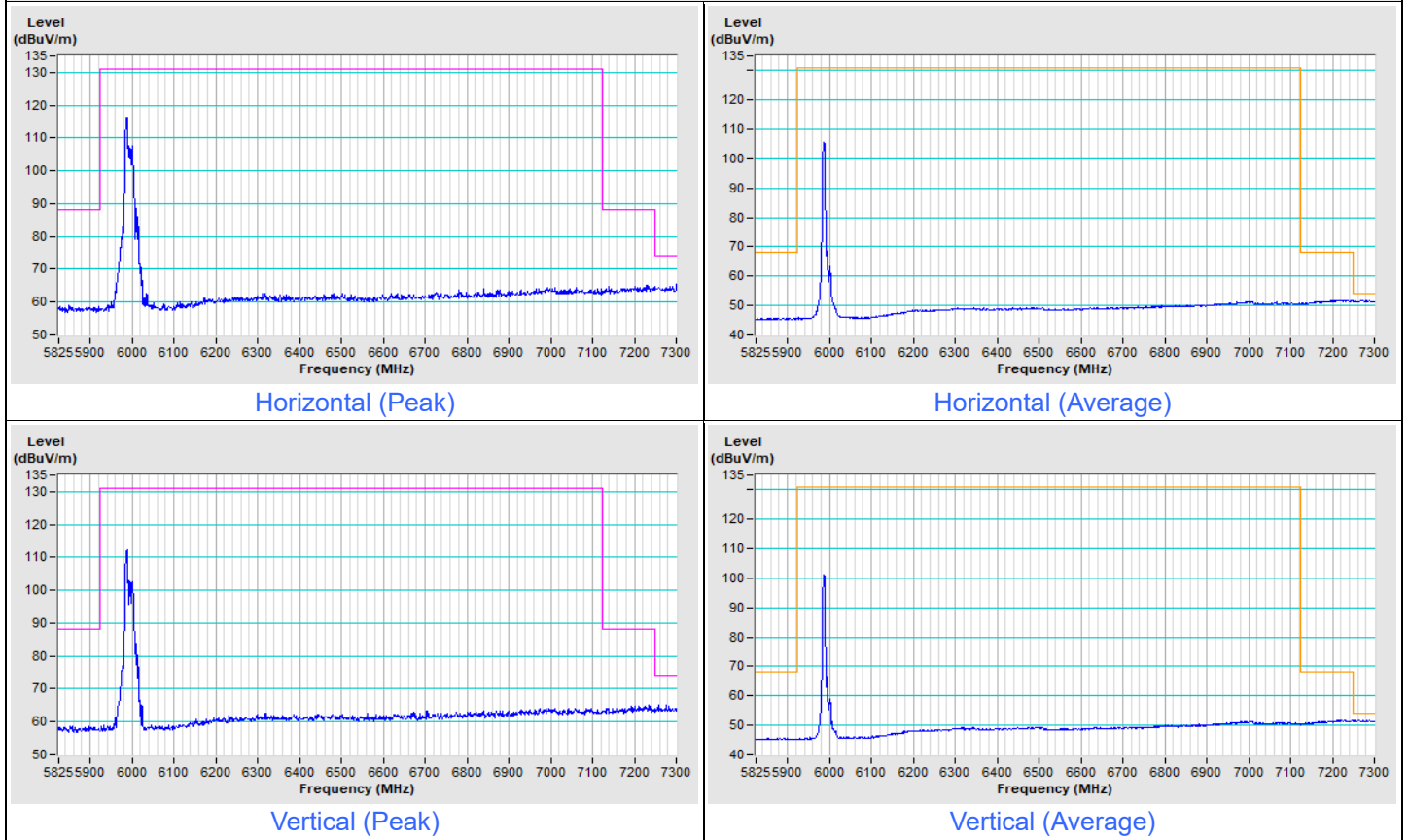
Vertical (Peak)



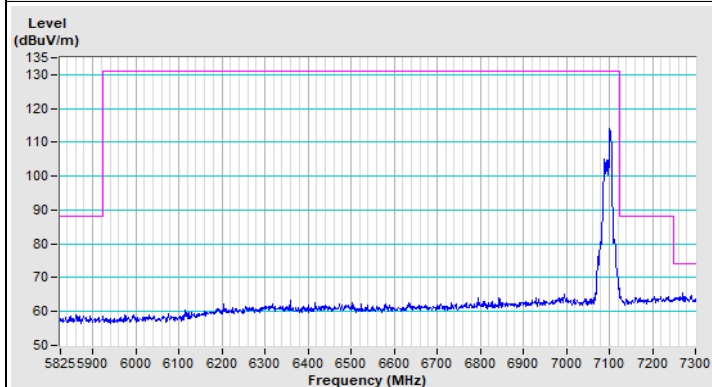
Vertical (Average)

|                 |                     |                               |                                                                      |
|-----------------|---------------------|-------------------------------|----------------------------------------------------------------------|
| Frequency Range | 5.825 GHz ~ 7.3 GHz | Detector Function & Bandwidth | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
|-----------------|---------------------|-------------------------------|----------------------------------------------------------------------|

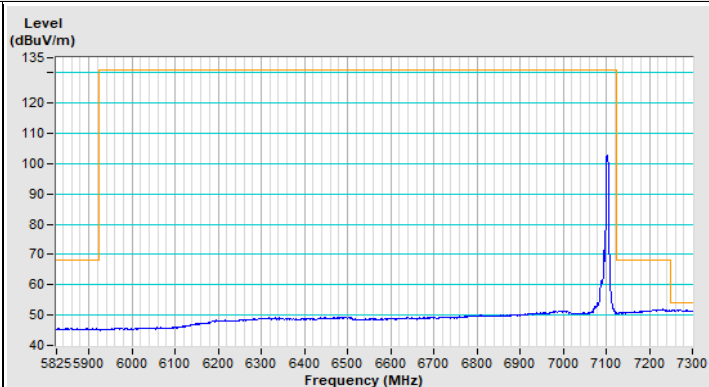
### 802.11ax (HE20) 52-tone RU Channel 9



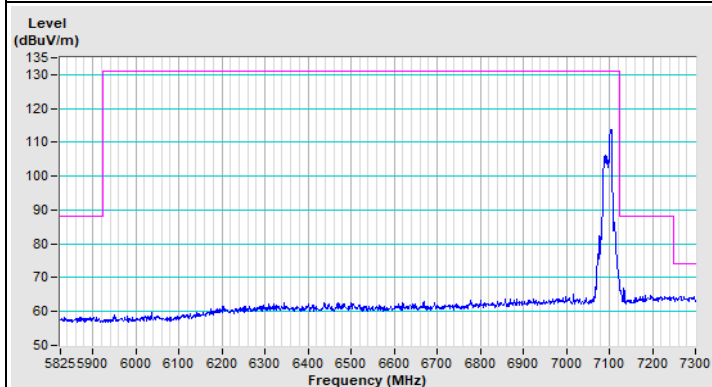
# 802.11ax (HE20) 52-tone RU Channel 229



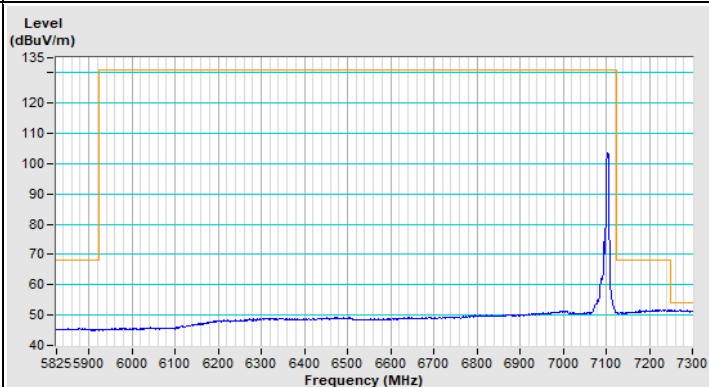
Horizontal (Peak)



Horizontal (Average)



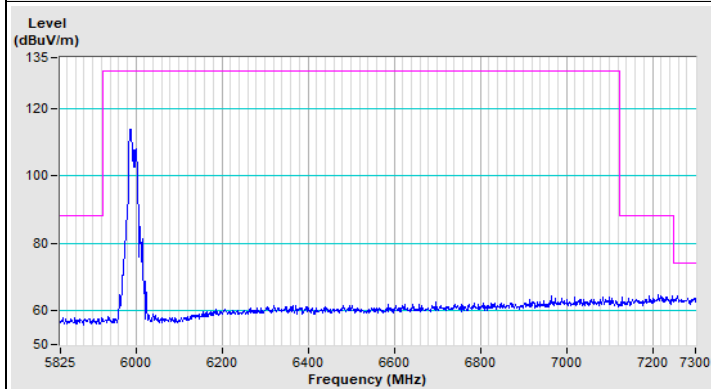
Vertical (Peak)



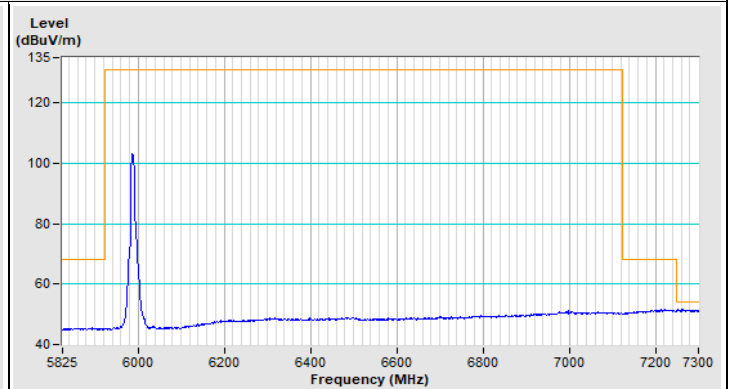
Vertical (Average)

|                 |                     |                               |                                                                      |
|-----------------|---------------------|-------------------------------|----------------------------------------------------------------------|
| Frequency Range | 5.825 GHz ~ 7.3 GHz | Detector Function & Bandwidth | PK: RB=1 MHz, VB=3 MHz, DET=Peak<br>AV: RB=1 MHz, VB=10 Hz, DET=Peak |
|-----------------|---------------------|-------------------------------|----------------------------------------------------------------------|

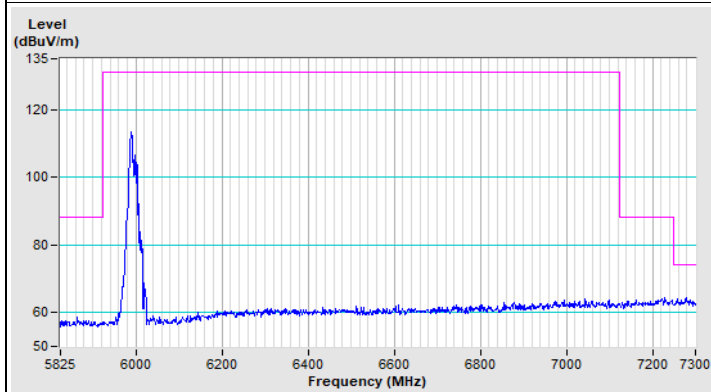
### 802.11ax (HE20) 106-tone RU Channel 9



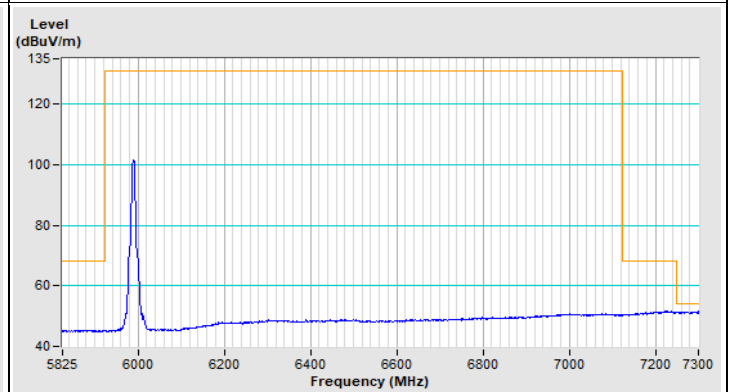
Horizontal (Peak)



Horizontal (Average)

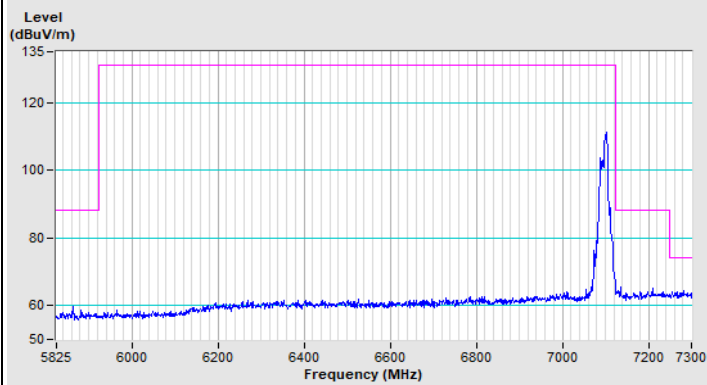


Vertical (Peak)

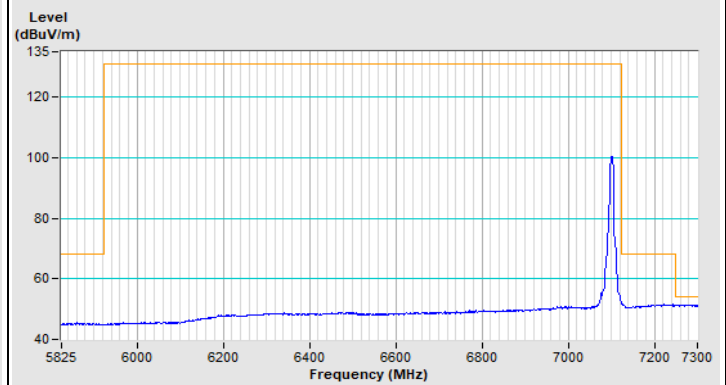


Vertical (Average)

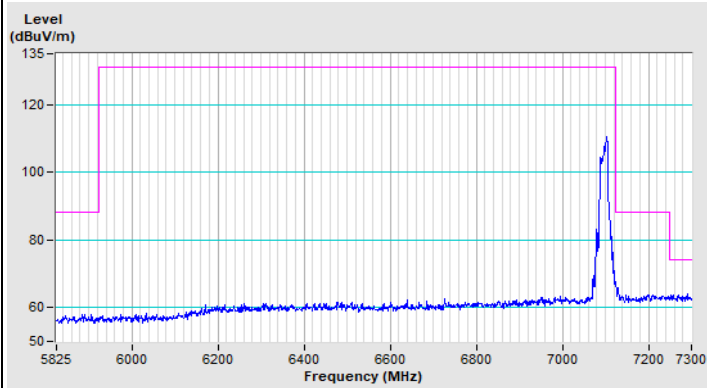
# 802.11ax (HE20) 106-tone RU Channel 229



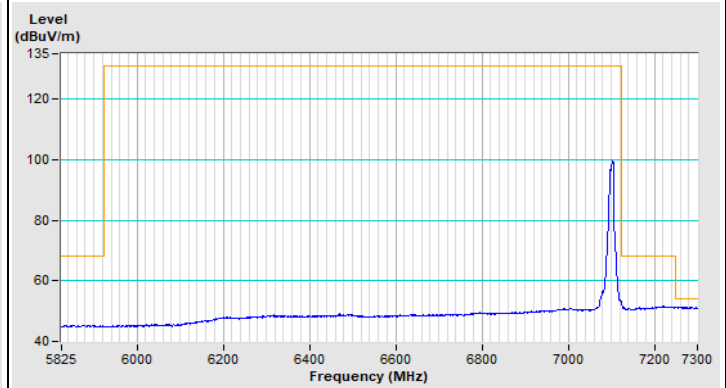
Horizontal (Peak)



Horizontal (Average)



Vertical (Peak)



Vertical (Average)

## 8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

## 9 Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited according to ISO/IEC 17025.

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The address and road map of all our labs can be found in our web site also.

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