

## FCC Test Report

**Report No.:** RFBARR-WTW-P21030485-5

**FCC ID:** RAS-MT7922A22M

**Test Model:** MT7922A22M

**Received Date:** Mar. 13, 2021

**Test Date:** Mar. 22 ~ May 06, 2021

**Issued Date:** May 21, 2021

**Applicant:** MediaTek Inc.

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**Issued By:** Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch  
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**FCC Registration /** 788550 / TW0003  
**Designation Number:**



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### Release Control Record

| Issue No.              | Description      | Date Issued  |
|------------------------|------------------|--------------|
| RFBARR-WTW-P21030485-5 | Original release | May 21, 2021 |

## 1 Certificate of Conformity

**Product:** 2TX 11ax (WiFi6E) BW160 + BT/BLE Combo Card

**Brand:** MediaTek

**Test Model:** MT7922A22M

**Sample Status:** Engineering sample

**Applicant:** MediaTek Inc.

**Test Date:** Mar. 22 ~ May 06, 2021

**Standards:** 47 CFR FCC Part 15, Subpart E (Section 15.407)  
ANSI C63.10:2013

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.

**Prepared by :** Celine Chou , **Date:** May 21, 2021  
Celine Chou / Senior Specialist

**Approved by :** Bruce Chen , **Date:** May 21, 2021  
Bruce Chen / Senior Project Engineer

## 2 Summary of Test Results

| 47 CFR FCC Part 15, Subpart E (Section 15.407) |                                            |        |                                                                                                                       |
|------------------------------------------------|--------------------------------------------|--------|-----------------------------------------------------------------------------------------------------------------------|
| FCC Clause                                     | Test Item                                  | Result | Remarks                                                                                                               |
| 15.407(b)(8)                                   | AC Power Conducted Emissions               | Pass   | Meet the requirement of limit. Minimum passing margin is -16.84dB at 0.20523MHz.                                      |
| 15.407(b)(1/2/3/4(i/ii)/8)                     | Radiated Emissions & Band Edge Measurement | Pass   | Meet the requirement of limit. Minimum passing margin is -0.1dB at 5466.60MHz, 5148.50MHz, 5725.00MHz and 5150.00MHz. |
| 15.407(a)(1/2/3)                               | Max Average Transmit Power                 | Pass   | Meet the requirement of limit.                                                                                        |
| ---                                            | Occupied Bandwidth Measurement             | -      | Reference only.                                                                                                       |
| 15.407(a)(1/2/3)                               | Peak Power Spectral Density                | Pass   | Meet the requirement of limit.                                                                                        |
| 15.407(e)                                      | 6dB bandwidth                              | Pass   | Meet the requirement of limit. (U-NII-3 Band only)                                                                    |
| 15.407(g)                                      | Frequency Stability                        | Pass   | Meet the requirement of limit.                                                                                        |
| 15.203                                         | Antenna Requirement                        | Pass   | Antenna connector is i-pex(MHF) not a standard connector.                                                             |

Note:

- For U-NII-3 band compliance with rule part 15.407(b)(4)(i), the OOB test plots were recorded in Annex A.
- For U-NII-1, U-NII-2A, U-NII-2C band compliance with rule 15.407(b) of the band-edge items, the test plots were recorded in Annex B. Test Procedures refer to report 4.1.3.
- Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

### 2.1 Measurement Uncertainty

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

| Measurement                        | Frequency        | Expanded Uncertainty (k=2) (±) |
|------------------------------------|------------------|--------------------------------|
| Conducted Emissions at mains ports | 150kHz ~ 30MHz   | 2.79 dB                        |
| Radiated Emissions up to 1 GHz     | 9kHz ~ 30MHz     | 3.04 dB                        |
|                                    | 30MHz ~ 200MHz   | 3.63 dB                        |
|                                    | 200MHz ~ 1000MHz | 3.64 dB                        |
| Radiated Emissions above 1 GHz     | 1GHz ~ 18GHz     | 2.29 dB                        |
|                                    | 18GHz ~ 40GHz    | 2.29 dB                        |

### 2.2 Modification Record

There were no modifications required for compliance.

### 3 General Information

#### 3.1 General Description of EUT

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product               | 2TX 11ax (WiFi6E) BW160 + BT/BLE Combo Card                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Brand                 | MediaTek                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Test Model            | MT7922A22M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Sample Status         | Engineering sample                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Power Supply Rating   | 3.3 Vdc from host equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Modulation Type       | 256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDM<br>1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDMA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Modulation Technology | OFDM, OFDMA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Transfer Rate         | 802.11a: 54/48/36/24/18/12/9/6Mbps<br>802.11n: up to 300Mbps<br>802.11ac: up to 1733.3Mbps<br>802.11ax: up to 2401.9Mbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Operating Frequency   | 5180 ~ 5320MHz, 5500 ~ 5720MHz, 5745 ~ 5825MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Number of Channel     | 5180 ~ 5320MHz:<br>802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 8<br>802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 4<br>802.11ac (VHT80), 802.11ax (HE80): 2<br>802.11ac (VHT160), 802.11ax (HE160): 1<br>5500 ~ 5720MHz:<br>802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 12<br>802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 6<br>802.11ac (VHT80), 802.11ax (HE80): 3<br>802.11ac (VHT160), 802.11ax (HE160): 1<br>5745 ~ 5825MHz:<br>802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 5<br>802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 2<br>802.11ac (VHT80), 802.11ax (HE80): 1 |
| Output Power          | 5180 ~ 5250MHz: 197.711mW<br>5250 ~ 5320MHz: 195.456mW<br>5500 ~ 5720MHz: 208.264mW<br>5745 ~ 5825MHz: 250.930mW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Antenna Type          | Refer to note                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Antenna Connector     | Refer to note                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Accessory Device      | NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Cable Supplied        | NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

Note:

1. The EUT incorporates a MIMO function. Physically, the EUT provides 2 completed transmitters and 2 receivers.

| Modulation Mode                             | TX & RX Configuration |     |
|---------------------------------------------|-----------------------|-----|
| 802.11a                                     | 2TX                   | 2RX |
| 802.11n (HT20)                              | 2TX                   | 2RX |
| 802.11n (HT40)                              | 2TX                   | 2RX |
| 802.11ac (VHT20)                            | 2TX                   | 2RX |
| 802.11ac (VHT40)                            | 2TX                   | 2RX |
| 802.11ac (VHT80)                            | 2TX                   | 2RX |
| 802.11ac (VHT160)                           | 2TX                   | 2RX |
| 802.11ax (HE20)                             | 2TX                   | 2RX |
| 802.11ax (HE40)                             | 2TX                   | 2RX |
| 802.11ax (HE80)                             | 2TX                   | 2RX |
| 802.11ax (HE160)                            | 2TX                   | 2RX |
| 802.11ax<br>(RU26/52/106/242/484/996/996*2) | 2TX                   | 2RX |

\* The bandwidth and modulation are similar for HT20/HT40 on 802.11n mode and VHT20/VHT40 on 802.11ac mode and HE20/HE40 on 802.11ax mode. The bandwidth and modulation are similar for VHT80/VHT160 on 802.11ac mode and HE80/HE160 on 802.11ax mode. Therefore the investigated worst case is the representative mode in test report. (Final test mode refer section 3.2.1)

\* For Partial RU, after pre-tested, only the worse cases were chosen for final test and presented in the test report. (Final test mode refer section 3.2.1)

2. The following antennas were provided to the EUT.

| Ant. No. | RF Chain No. | Brand | Model                  | Antenna Gain (dBi)                           | Frequency Range (GHz)                                                               | Ant. Type | Connector Type |
|----------|--------------|-------|------------------------|----------------------------------------------|-------------------------------------------------------------------------------------|-----------|----------------|
| 1        | Chain 0      | PSA   | RFMTA340718<br>EMLB302 | 3.18<br>4.92                                 | 2.4~2.4835<br>5.15~5.85                                                             | PIFA      | i-pex<br>(MHF) |
| 2        | Chain 1      | PSA   | RFMTA340718<br>EMLB302 | 3.18<br>4.92                                 | 2.4~2.4835<br>5.15~5.85                                                             | PIFA      | i-pex<br>(MHF) |
| 3        | Chain 0      | PSA   | RFMTA311020<br>EMMB301 | 1.71<br>4.82<br>4.76<br>4.29<br>4.61<br>4.09 | 2.4~2.4835<br>5.15~5.85<br>5.925~6.425<br>6.425~6.525<br>6.525~6.875<br>6.875~7.125 | PIFA      | i-pex<br>(MHF) |
| 4        | Chain 1      | PSA   | RFMTA311020<br>EMMB301 | 1.71<br>4.82<br>4.76<br>4.29<br>4.61<br>4.09 | 2.4~2.4835<br>5.15~5.85<br>5.925~6.425<br>6.425~6.525<br>6.525~6.875<br>6.875~7.125 | PIFA      | i-pex<br>(MHF) |

\* Ant. 1 and Ant. 2 were the worst case and for final test.

\* The above Antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

3. There are Bluetooth and WLAN (2.4GHz & 5GHz) technology used for the EUT.

4. Simultaneously transmission condition.

| Condition | Technology  |           |
|-----------|-------------|-----------|
| 1         | WLAN (5GHz) | Bluetooth |

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

### 3.2 Description of Test Modes

#### For 5180 ~ 5320MHz:

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

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

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

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

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

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

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

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

#### For 5500 ~ 5720MHz:

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

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

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

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

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

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

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

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

For 5745 ~ 5825MHz:

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

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

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

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

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

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

### 3.2.1 Test Mode Applicability and Tested Channel Detail

| EUT Configure Mode | Applicable to |       |     |      | Description |
|--------------------|---------------|-------|-----|------|-------------|
|                    | RE $\geq$ 1G  | RE<1G | PLC | APCM |             |
| -                  | √             | √     | √   | √    | -           |

Where RE $\geq$ 1G: Radiated Emission above 1GHz & Bandedge Measurement

PLC: Power Line Conducted Emission

RE<1G: Radiated Emission below 1GHz

APCM: Antenna Port Conducted Measurement

Note:

1. The EUT had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on **Z-plane**.
2. Radiated emission test (below 1GHz) and power line conducted emission test items chosen the worst maximum power.

#### **Radiated Emission Test (Above 1GHz):**

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

| EUT Configure Mode | Mode                     | Frequency Band (MHz) | Available Channel | Tested Channel     | Modulation Technology | Data Rate (Mbps) |
|--------------------|--------------------------|----------------------|-------------------|--------------------|-----------------------|------------------|
| -                  | 802.11a                  | 5180-5250            | 36 to 48          | 36, 40, 48         | OFDM                  | 6.0              |
|                    | 802.11ax (HE20)_RU26     |                      | 36 to 48          | 36                 | OFDMA                 | MCS0             |
|                    | 802.11ax (HE20)_RU52     |                      | 36 to 48          | 48                 | OFDMA                 | MCS0             |
|                    | 802.11ax (HE20)_RU106    |                      | 36 to 48          | 36                 | OFDMA                 | MCS0             |
|                    | 802.11ax (HE20)_Full RU  |                      | 36 to 48          | 36, 40, 48         | OFDMA                 | MCS0             |
|                    | 802.11ax (HE40)_Full RU  |                      | 38 to 46          | 38, 46             | OFDMA                 | MCS0             |
|                    | 802.11ax (HE80)_Full RU  |                      | 42                | 42                 | OFDMA                 | MCS0             |
|                    | 802.11ax (HE160)_Full RU |                      | 50                | 50                 | OFDMA                 | MCS0             |
| -                  | 802.11a                  | 5250-5320            | 52 to 64          | 52, 60, 64         | OFDM                  | 6.0              |
|                    | 802.11ax (HE20)_RU26     |                      | 52 to 64          | 64                 | OFDMA                 | MCS0             |
|                    | 802.11ax (HE20)_RU106    |                      | 52 to 64          | 64                 | OFDMA                 | MCS0             |
|                    | 802.11ax (HE20)_Full RU  |                      | 52 to 64          | 52, 60, 64         | OFDMA                 | MCS0             |
|                    | 802.11ax (HE40)_Full RU  |                      | 54 to 62          | 54, 62             | OFDMA                 | MCS0             |
|                    | 802.11ax (HE80)_Full RU  |                      | 58                | 58                 | OFDMA                 | MCS0             |
|                    | 802.11ax (HE160)_Full RU |                      | 50                | 50                 | OFDMA                 | MCS0             |
| -                  | 802.11a                  | 5500-5720            | 100 to 144        | 100, 116, 140, 144 | OFDM                  | 6.0              |
|                    | 802.11ax (HE20)_RU26     |                      | 100 to 144        | 100, 140           | OFDMA                 | MCS0             |
|                    | 802.11ax (HE20)_RU106    |                      | 100 to 144        | 100, 140           | OFDMA                 | MCS0             |
|                    | 802.11ax (HE20)_Full RU  |                      | 100 to 144        | 100, 116, 140, 144 | OFDMA                 | MCS0             |
|                    | 802.11ax (HE40)_Full RU  |                      | 102 to 142        | 102, 110, 134, 142 | OFDMA                 | MCS0             |
|                    | 802.11ax (HE80)_Full RU  |                      | 106 to 138        | 106, 122, 138      | OFDMA                 | MCS0             |
|                    | 802.11ax (HE160)_Full RU |                      | 114               | 114                | OFDMA                 | MCS0             |
| -                  | 802.11a                  | 5745-5825            | 149 to 165        | 149, 157, 165      | OFDM                  | 6.0              |
|                    | 802.11ax (HE20)_RU26     |                      | 149 to 165        | 149, 165           | OFDMA                 | MCS0             |
|                    | 802.11ax (HE20)_RU52     |                      | 149 to 165        | 165                | OFDMA                 | MCS0             |
|                    | 802.11ax (HE20)_RU106    |                      | 149 to 165        | 149, 165           | OFDMA                 | MCS0             |
|                    | 802.11ax (HE20)_Full RU  |                      | 149 to 165        | 149, 157, 165      | OFDMA                 | MCS0             |
|                    | 802.11ax (HE40)_Full RU  |                      | 151 to 159        | 151, 159           | OFDMA                 | MCS0             |
|                    | 802.11ax (HE80)_Full RU  |                      | 155               | 155                | OFDMA                 | MCS0             |

### **Radiated Emission Test (Below 1GHz):**

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

| EUT Configure Mode | Mode    | Frequency Band (MHz) | Available Channel | Tested Channel | Modulation Technology | Data Rate (Mbps) |
|--------------------|---------|----------------------|-------------------|----------------|-----------------------|------------------|
| -                  | 802.11a | 5180-5250            | 36 to 48          | 165            | OFDM                  | 6.0              |
| -                  | 802.11a | 5250-5320            | 52 to 64          |                | OFDM                  | 6.0              |
| -                  | 802.11a | 5500-5720            | 100 to 144        |                | OFDM                  | 6.0              |
| -                  | 802.11a | 5745-5825            | 149 to 165        |                | OFDM                  | 6.0              |

### **Power Line Conducted Emission Test:**

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

| EUT Configure Mode | Mode    | Frequency Band (MHz) | Available Channel | Tested Channel | Modulation Technology | Data Rate (Mbps) |
|--------------------|---------|----------------------|-------------------|----------------|-----------------------|------------------|
| -                  | 802.11a | 5180-5250            | 36 to 48          | 165            | OFDM                  | 6.0              |
| -                  | 802.11a | 5250-5320            | 52 to 64          |                | OFDM                  | 6.0              |
| -                  | 802.11a | 5500-5720            | 100 to 144        |                | OFDM                  | 6.0              |
| -                  | 802.11a | 5745-5825            | 149 to 165        |                | OFDM                  | 6.0              |

### **Bandwidth, Power Spectral Density and Frequency Stability Measurement:**

- ☒ This item includes all test value of each mode, but only includes spectrum plot of worst value of each mode.
- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

| EUT Configure Mode | Mode                     | Frequency Band (MHz) | Available Channel | Tested Channel     | Modulation Technology | Data Rate (Mbps) |
|--------------------|--------------------------|----------------------|-------------------|--------------------|-----------------------|------------------|
| -                  | 802.11a                  | 5180-5250            | 36 to 48          | 36, 40, 48         | OFDM                  | 6.0              |
|                    | 802.11ax (HE20)_RU26     |                      | 36 to 48          | 36                 | OFDMA                 | MCS0             |
|                    | 802.11ax (HE20)_RU52     |                      | 36 to 48          | 48                 | OFDMA                 | MCS0             |
|                    | 802.11ax (HE20)_RU106    |                      | 36 to 48          | 36                 | OFDMA                 | MCS0             |
|                    | 802.11ax (HE20)_Full RU  |                      | 36 to 48          | 36, 40, 48         | OFDMA                 | MCS0             |
|                    | 802.11ax (HE40)_Full RU  |                      | 38 to 46          | 38, 46             | OFDMA                 | MCS0             |
|                    | 802.11ax (HE80)_Full RU  |                      | 42                | 42                 | OFDMA                 | MCS0             |
|                    | 802.11ax (HE160)_Full RU |                      | 50                | 50                 | OFDMA                 | MCS0             |
| -                  | 802.11a                  | 5250-5320            | 52 to 64          | 52, 60, 64         | OFDM                  | 6.0              |
|                    | 802.11ax (HE20)_RU26     |                      | 52 to 64          | 64                 | OFDMA                 | MCS0             |
|                    | 802.11ax (HE20)_RU106    |                      | 52 to 64          | 64                 | OFDMA                 | MCS0             |
|                    | 802.11ax (HE20)_Full RU  |                      | 52 to 64          | 52, 60, 64         | OFDMA                 | MCS0             |
|                    | 802.11ax (HE40)_Full RU  |                      | 54 to 62          | 54, 62             | OFDMA                 | MCS0             |
|                    | 802.11ax (HE80)_Full RU  |                      | 58                | 58                 | OFDMA                 | MCS0             |
|                    | 802.11ax (HE160)_Full RU |                      | 50                | 50                 | OFDMA                 | MCS0             |
| -                  | 802.11a                  | 5500-5720            | 100 to 144        | 100, 116, 140, 144 | OFDM                  | 6.0              |
|                    | 802.11ax (HE20)_RU26     |                      | 100 to 144        | 100, 140           | OFDMA                 | MCS0             |
|                    | 802.11ax (HE20)_RU106    |                      | 100 to 144        | 100, 140           | OFDMA                 | MCS0             |
|                    | 802.11ax (HE20)_Full RU  |                      | 100 to 144        | 100, 116, 140, 144 | OFDMA                 | MCS0             |
|                    | 802.11ax (HE40)_Full RU  |                      | 102 to 142        | 102, 110, 134, 142 | OFDMA                 | MCS0             |
|                    | 802.11ax (HE80)_Full RU  |                      | 106 to 138        | 106, 122, 138      | OFDMA                 | MCS0             |
|                    | 802.11ax (HE160)_Full RU |                      | 114               | 114                | OFDMA                 | MCS0             |
| -                  | 802.11a                  | 5745-5825            | 149 to 165        | 149, 157, 165      | OFDM                  | 6.0              |
|                    | 802.11ax (HE20)_RU26     |                      | 149 to 165        | 149, 165           | OFDMA                 | MCS0             |
|                    | 802.11ax (HE20)_RU52     |                      | 149 to 165        | 165                | OFDMA                 | MCS0             |
|                    | 802.11ax (HE20)_RU106    |                      | 149 to 165        | 149, 165           | OFDMA                 | MCS0             |
|                    | 802.11ax (HE20)_Full RU  |                      | 149 to 165        | 149, 157, 165      | OFDMA                 | MCS0             |
|                    | 802.11ax (HE40)_Full RU  |                      | 151 to 159        | 151, 159           | OFDMA                 | MCS0             |
|                    | 802.11ax (HE80)_Full RU  |                      | 155               | 155                | OFDMA                 | MCS0             |

### Transmit Power Measurement:

| EUT Configure Mode | Mode                     | Frequency Band (MHz) | Available Channel | Tested Channel     | Modulation Technology | Data Rate (Mbps) |
|--------------------|--------------------------|----------------------|-------------------|--------------------|-----------------------|------------------|
| -                  | 802.11a                  | 5180-5250            | 36 to 48          | 36, 40, 48         | OFDM                  | 6.0              |
|                    | 802.11ac (VHT20)         |                      | 36 to 48          | 36, 40, 48         | OFDM                  | 6.5              |
|                    | 802.11ac (VHT40)         |                      | 38 to 46          | 38, 46             | OFDM                  | 13.5             |
|                    | 802.11ac (VHT80)         |                      | 42                | 42                 | OFDM                  | 29.3             |
|                    | 802.11ac (VHT160)        |                      | 50                | 50                 | OFDM                  | 58.5             |
|                    | 802.11ax (HE20)_RU26     |                      | 36 to 48          | 36                 | OFDMA                 | MCS0             |
|                    | 802.11ax (HE20)_RU52     |                      | 36 to 48          | 48                 | OFDMA                 | MCS0             |
|                    | 802.11ax (HE20)_RU106    |                      | 36 to 48          | 36                 | OFDMA                 | MCS0             |
|                    | 802.11ax (HE20)_Full RU  |                      | 36 to 48          | 36, 40, 48         | OFDMA                 | MCS0             |
|                    | 802.11ax (HE40)_Full RU  |                      | 38 to 46          | 38, 46             | OFDMA                 | MCS0             |
|                    | 802.11ax (HE80)_Full RU  |                      | 42                | 42                 | OFDMA                 | MCS0             |
|                    | 802.11ax (HE160)_Full RU |                      | 50                | 50                 | OFDMA                 | MCS0             |
| -                  | 802.11a                  | 5250-5320            | 52 to 64          | 52, 60, 64         | OFDM                  | 6.0              |
|                    | 802.11ac (VHT20)         |                      | 52 to 64          | 52, 60, 64         | OFDM                  | 6.5              |
|                    | 802.11ac (VHT40)         |                      | 54 to 62          | 54, 62             | OFDM                  | 13.5             |
|                    | 802.11ac (VHT80)         |                      | 58                | 58                 | OFDM                  | 29.3             |
|                    | 802.11ac (VHT160)        |                      | 50                | 50                 | OFDM                  | 58.5             |
|                    | 802.11ax (HE20)_RU26     |                      | 52 to 64          | 64                 | OFDMA                 | MCS0             |
|                    | 802.11ax (HE20)_RU106    |                      | 52 to 64          | 64                 | OFDMA                 | MCS0             |
|                    | 802.11ax (HE20)_Full RU  |                      | 52 to 64          | 52, 60, 64         | OFDMA                 | MCS0             |
|                    | 802.11ax (HE40)_Full RU  |                      | 54 to 62          | 54, 62             | OFDMA                 | MCS0             |
|                    | 802.11ax (HE80)_Full RU  |                      | 58                | 58                 | OFDMA                 | MCS0             |
|                    | 802.11ax (HE160)_Full RU |                      | 50                | 50                 | OFDMA                 | MCS0             |
| -                  | 802.11a                  | 5500-5720            | 100 to 144        | 100, 116, 140, 144 | OFDM                  | 6.0              |
|                    | 802.11ac (VHT20)         |                      | 100 to 144        | 100, 116, 140, 144 | OFDM                  | 6.5              |
|                    | 802.11ac (VHT40)         |                      | 102 to 142        | 102, 110, 134, 142 | OFDM                  | 13.5             |
|                    | 802.11ac (VHT80)         |                      | 106 to 138        | 106, 122, 138      | OFDM                  | 29.3             |
|                    | 802.11ac (VHT160)        |                      | 114               | 114                | OFDM                  | 58.5             |
|                    | 802.11ax (HE20)_RU26     |                      | 100 to 144        | 100, 140           | OFDMA                 | MCS0             |
|                    | 802.11ax (HE20)_RU106    |                      | 100 to 144        | 100, 140           | OFDMA                 | MCS0             |
|                    | 802.11ax (HE20)_Full RU  |                      | 100 to 144        | 100, 116, 140, 144 | OFDMA                 | MCS0             |
|                    | 802.11ax (HE40)_Full RU  |                      | 102 to 142        | 102, 110, 134, 142 | OFDMA                 | MCS0             |
|                    | 802.11ax (HE80)_Full RU  |                      | 106 to 138        | 106, 122, 138      | OFDMA                 | MCS0             |
|                    | 802.11ax (HE160)_Full RU |                      | 114               | 114                | OFDMA                 | MCS0             |
| -                  | 802.11a                  | 5745-5825            | 149 to 165        | 149, 157, 165      | OFDM                  | 6.0              |
|                    | 802.11ac (VHT20)         |                      | 149 to 165        | 149, 157, 165      | OFDM                  | 6.5              |
|                    | 802.11ac (VHT40)         |                      | 151 to 159        | 151, 159           | OFDM                  | 13.5             |
|                    | 802.11ac (VHT80)         |                      | 155               | 155                | OFDM                  | 29.3             |
|                    | 802.11ax (HE20)_RU26     |                      | 149 to 165        | 149, 165           | OFDMA                 | MCS0             |
|                    | 802.11ax (HE20)_RU52     |                      | 149 to 165        | 165                | OFDMA                 | MCS0             |
|                    | 802.11ax (HE20)_RU106    |                      | 149 to 165        | 149, 165           | OFDMA                 | MCS0             |
|                    | 802.11ax (HE20)_Full RU  |                      | 149 to 165        | 149, 157, 165      | OFDMA                 | MCS0             |
|                    | 802.11ax (HE40)_Full RU  |                      | 151 to 159        | 151, 159           | OFDMA                 | MCS0             |
|                    | 802.11ax (HE80)_Full RU  |                      | 155               | 155                | OFDMA                 | MCS0             |

**Test Condition:**

| Applicable to                | Environmental Conditions | Input Power (System) | Tested by |
|------------------------------|--------------------------|----------------------|-----------|
| <b>RE<math>\geq</math>1G</b> | 25 deg. C, 70% RH        | 120Vac, 60Hz         | Luis Lee  |
| <b>RE&lt;1G</b>              | 21 deg. C, 64% RH        | 120Vac, 60Hz         | Luis Lee  |
| <b>PLC</b>                   | 25 deg. C, 70% RH        | 120Vac, 60Hz         | Rex Wang  |
| <b>APCM</b>                  | 25 deg. C, 70% RH        | 120Vac, 60Hz         | Dalen Dai |

### 3.3 Duty Cycle of Test Signal

Duty cycle of test signal is < 98%, duty factor is required.

802.11a: Duty cycle =  $1.385/1.625 = 0.852$ , Duty factor =  $10 * \log(1/0.852) = 0.69$

802.11ax (HE20)\_Full RU: Duty cycle =  $3.875/4.235 = 0.915$ , Duty factor =  $10 * \log(1/0.915) = 0.39$

802.11ax (HE40)\_Full RU: Duty cycle =  $3.775/4.255 = 0.887$ , Duty factor =  $10 * \log(1/0.887) = 0.52$

802.11ax (HE80)\_Full RU: Duty cycle =  $1.837/2.322 = 0.791$ , Duty factor =  $10 * \log(1/0.791) = 1.02$

802.11ax (HE160)\_Full RU: Duty cycle =  $0.955/1.430 = 0.668$ , Duty factor =  $10 * \log(1/0.668) = 1.75$

#### Spectrum Plot of Worst Value



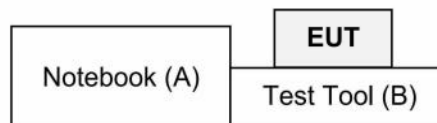
### 3.4 Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

| ID | Product   | Brand     | Model No. | Serial No. | FCC ID           | Remarks                  |
|----|-----------|-----------|-----------|------------|------------------|--------------------------|
| A. | Notebook  | DELL      | E5410     | 1HC2XM1    | FCC DoC Approved | -                        |
| B. | Test Tool | Media Tek | MTK1849   | N/A        | N/A              | Provided by manufacturer |

Note: All power cords of the above support units are non-shielded (1.8m).

#### 3.4.1 Configuration of System under Test



### 3.5 General Description of Applied Standards and References

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards and references:

#### Test standard:

**FCC Part 15, Subpart E (15.407)**

ANSI C63.10:2013

All test items have been performed and recorded as per the above standards.

#### References Test Guidance:

**KDB 789033 D02 General UNII Test Procedure New Rules v02r01**

**KDB 662911 D01 Multiple Transmitter Output v02r01**

All test items have been performed as a reference to the above KDB test guidance.

## 4 Test Types and Results

### 4.1 Radiated Emission and Bandedge Measurement

#### 4.1.1 Limits of Radiated Emission and Bandedge Measurement

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                             |

Note:

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 1000MHz, 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 20dB under any condition of modulation.

Limits of unwanted emission out of the restricted bands

| Applicable To                                                                                    |                                     |                  | Limit                                                                                                                                   |                                                                                                                                           |
|--------------------------------------------------------------------------------------------------|-------------------------------------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| 789033 D02 General UNII Test Procedure<br>New Rules v02r01                                       |                                     |                  | Field Strength at 3m                                                                                                                    |                                                                                                                                           |
|                                                                                                  |                                     |                  | PK: 74 (dBµV/m)                                                                                                                         | AV: 54 (dBµV/m)                                                                                                                           |
| Frequency Band                                                                                   | Applicable To                       |                  | EIRP Limit                                                                                                                              | Equivalent Field Strength at 3m                                                                                                           |
| 5150~5250 MHz                                                                                    | 15.407(b)(1)                        |                  | PK: -27 (dBm/MHz)                                                                                                                       | PK: 68.2(dBµV/m)                                                                                                                          |
| 5250~5350 MHz                                                                                    | 15.407(b)(2)                        |                  |                                                                                                                                         |                                                                                                                                           |
| 5470~5725 MHz                                                                                    | 15.407(b)(3)                        |                  |                                                                                                                                         |                                                                                                                                           |
| 5725~5850 MHz                                                                                    | <input checked="" type="checkbox"/> | 15.407(b)(4)(i)  | PK: -27 (dBm/MHz) <sup>*1</sup><br>PK: 10 (dBm/MHz) <sup>*2</sup><br>PK: 15.6 (dBm/MHz) <sup>*3</sup><br>PK: 27 (dBm/MHz) <sup>*4</sup> | PK: 68.2(dBµV/m) <sup>*1</sup><br>PK: 105.2 (dBµV/m) <sup>*2</sup><br>PK: 110.8(dBµV/m) <sup>*3</sup><br>PK: 122.2 (dBµV/m) <sup>*4</sup> |
|                                                                                                  | <input type="checkbox"/>            | 15.407(b)(4)(ii) | Emission limits in section 15.247(d)                                                                                                    |                                                                                                                                           |
| <sup>*1</sup> beyond 75 MHz or more above of the band edge.                                      |                                     |                  | <sup>*2</sup> below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.                                                    |                                                                                                                                           |
| <sup>*3</sup> below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above. |                                     |                  | <sup>*4</sup> from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.                    |                                                                                                                                           |

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

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

#### 4.1.2 Test Instruments

| Description & Manufacturer                | Model No.                | Serial No.                                  | Cal. Date     | Cal. Due      |
|-------------------------------------------|--------------------------|---------------------------------------------|---------------|---------------|
| Test Receiver<br>ROHDE & SCHWARZ          | ESCI                     | 100424                                      | Dec. 31, 2020 | Dec. 30, 2021 |
| Spectrum Analyzer<br>ROHDE & SCHWARZ      | FSP40                    | 100040                                      | Sep. 16, 2020 | Sep. 15, 2021 |
| BILOG Antenna<br>SCHWARZBECK              | VULB9168                 | 9168-155                                    | Nov. 03, 2020 | Nov. 02, 2021 |
| HORN Antenna<br>SCHWARZBECK               | BBHA 9120D               | 9120D-1170                                  | Nov. 22, 2020 | Nov. 21, 2021 |
| HORN Antenna<br>SCHWARZBECK               | BBHA 9170                | BBHA9170241                                 | Nov. 22, 2020 | Nov. 21, 2021 |
| Loop Antenna<br>TESEQ                     | HLA 6121                 | 45745                                       | Jul. 06, 2020 | Jul. 05, 2021 |
| Preamplifier<br>Agilent<br>(Below 1GHz)   | 8447D                    | 2944A10631                                  | Jun. 08, 2020 | Jun. 07, 2021 |
| Preamplifier<br>KEYSIGHT<br>(Above 1GHz)  | 83017A                   | MY53270295                                  | Jun. 08, 2020 | Jun. 07, 2021 |
| RF Coaxial Cable<br>WOKEN<br>With 5dB PAD | 8D-FB                    | Cable-CH4-01                                | Aug. 16, 2020 | Aug. 15, 2021 |
| RF Coaxial Cable<br>EMCI                  | EMC102-KM-KM-3000        | 150929                                      | Aug. 16, 2020 | Aug. 15, 2021 |
| RF Coaxial Cable<br>EMCI                  | EMC102-KM-KM-600         | 150928                                      | Aug. 16, 2020 | Aug. 15, 2021 |
| RF signal cable<br>HUBER+SUHNER           | SUCOFLEX 104             | MY 13380+295012/04                          | Jun. 08, 2020 | Jun. 07, 2021 |
| RF signal cable<br>HUBER+SUHNER           | SUCOFLEX 104             | Cable-CH4-03 (250724)                       | Jun. 08, 2020 | Jun. 07, 2021 |
| Software<br>BV ADT                        | ADT_Radiated_V7.6.15.9.5 | NA                                          | NA            | NA            |
| Antenna Tower<br>inn-co GmbH              | MA 4000                  | 010303                                      | NA            | NA            |
| Antenna Tower Controller<br>BV ADT        | AT100                    | AT93021703                                  | NA            | NA            |
| Turn Table<br>BV ADT                      | TT100                    | TT93021703                                  | NA            | NA            |
| Turn Table Controller<br>BV ADT           | SC100                    | SC93021703                                  | NA            | NA            |
| Boresight Antenna Fixture                 | FBA-01                   | FBA-SIP01                                   | NA            | NA            |
| Pre-amplifier (18GHz-40GHz)<br>EMC        | EMC184045B               | 980175                                      | Sep. 04, 2020 | Sep. 03, 2021 |
| USB Wideband Power Sensor<br>KEYSIGHT     | U2021XA                  | MY55050005/MY55190004/MY55190007/MY55210005 | Jul. 13, 2020 | Jul. 12, 2021 |

Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.  
 2. The test was performed in HwaYa Chamber 4.

#### 4.1.3 Test Procedures

##### For Radiated emission below 30MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter chamber room. 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.

Note:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9kHz at frequency below 30MHz.

##### For Radiated emission above 30MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters (for 30MHz ~ 1GHz) / 1.5 meters (for above 1GHz) 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.
- f. The test-receiver system was set to peak and average detect 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.

Note:

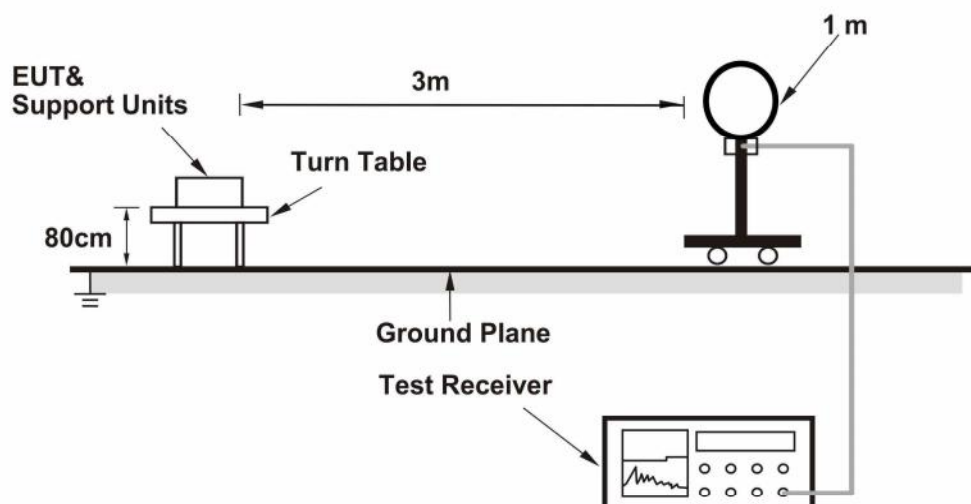
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is  $\geq 1/T$  (Duty cycle  $< 98\%$ ) or 10Hz (Duty cycle  $\geq 98\%$ ) for Average detection (AV) at frequency above 1GHz. (802.11a: RBW = 1MHz, VBW = 1kHz; 802.11ax (HE20)\_RU26, RU52, RU106 and Full RU: RBW = 1MHz, VBW = 1kHz; 802.11ax (HE40): RBW = 1MHz, VBW = 1kHz; 802.11ax (HE80): RBW = 1MHz, VBW = 1kHz; 802.11ax (HE160): RBW = 1MHz, VBW = 3kHz)
4. All modes of operation were investigated and the worst-case emissions are reported.

#### 4.1.4 Deviation from Test Standard

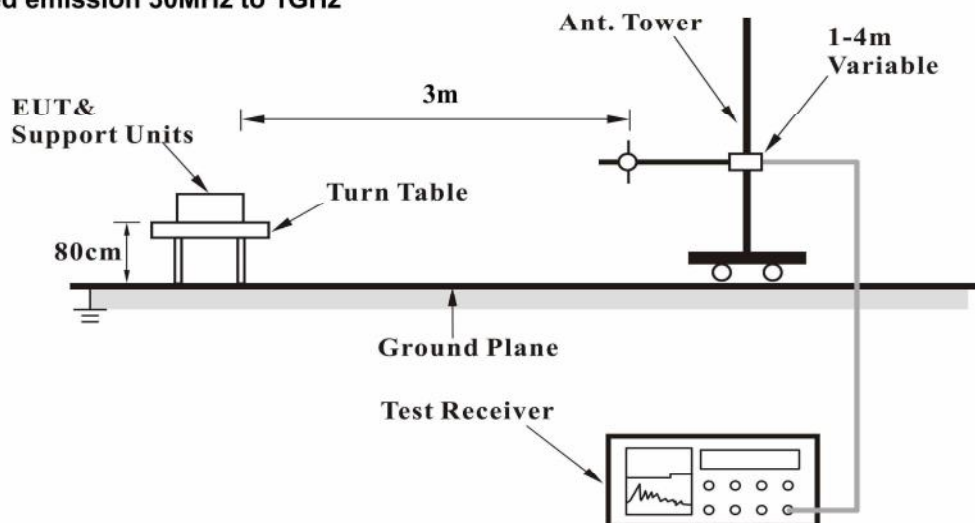
No deviation.

#### 4.1.5 Test Setup

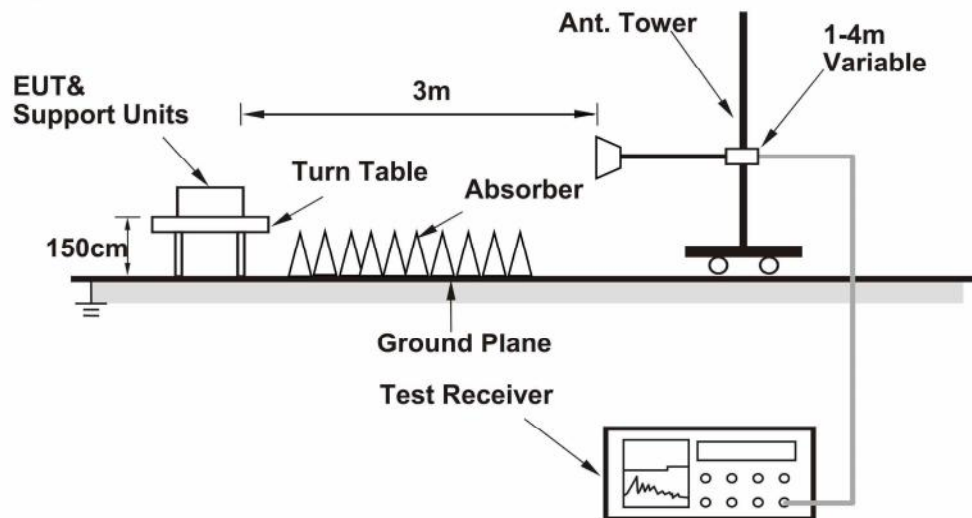
For Radiated emission below 30MHz



For Radiated emission 30MHz to 1GHz



#### For Radiated emission above 1GHz



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

#### 4.1.6 EUT Operating Conditions

- Set the EUT under transmission condition continuously at specific channel frequency.

#### 4.1.7 Test Results

Above 1GHz data:

|                 |              |                   |                           |
|-----------------|--------------|-------------------|---------------------------|
| RF Mode         | TX 802.11a   | Channel           | CH 36 : 5180 MHz          |
| Frequency Range | 1GHz ~ 40GHz | Detector Function | Peak (PK)<br>Average (AV) |

| 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                                                    | 5147.50         | 64.4 PK                 | 74.0           | -9.6        | 2.36 H             | 220                  | 61.1             | 3.3                      |
| 2                                                    | 5147.50         | 52.3 AV                 | 54.0           | -1.7        | 2.36 H             | 220                  | 49.0             | 3.3                      |
| 3                                                    | *5180.00        | 118.8 PK                |                |             | 2.36 H             | 220                  | 78.0             | 40.8                     |
| 4                                                    | *5180.00        | 110.1 AV                |                |             | 2.36 H             | 220                  | 69.3             | 40.8                     |
| 5                                                    | #10360.00       | 58.3 PK                 | 68.2           | -9.9        | 2.46 H             | 202                  | 50.3             | 8.0                      |
| 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                                                    | 5147.50         | 70.1 PK                 | 74.0           | -3.9        | 1.00 V             | 182                  | 66.8             | 3.3                      |
| 2                                                    | 5147.50         | 53.6 AV                 | 54.0           | -0.4        | 1.00 V             | 182                  | 50.3             | 3.3                      |
| 3                                                    | *5180.00        | 120.5 PK                |                |             | 1.00 V             | 182                  | 79.7             | 40.8                     |
| 4                                                    | *5180.00        | 111.6 AV                |                |             | 1.00 V             | 182                  | 70.8             | 40.8                     |
| 5                                                    | #10360.00       | 58.5 PK                 | 68.2           | -9.7        | 1.11 V             | 284                  | 50.4             | 8.1                      |

Remarks:

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

|                 |              |                   |                           |
|-----------------|--------------|-------------------|---------------------------|
| RF Mode         | TX 802.11a   | Channel           | CH 40 : 5200 MHz          |
| Frequency Range | 1GHz ~ 40GHz | Detector Function | Peak (PK)<br>Average (AV) |

| 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                                                    | 5147.70         | 62.5 PK                 | 74.0           | -11.5       | 2.38 H             | 229                  | 59.2             | 3.3                      |
| 2                                                    | 5147.70         | 50.1 AV                 | 54.0           | -3.9        | 2.38 H             | 229                  | 46.8             | 3.3                      |
| 3                                                    | *5200.00        | 120.0 PK                |                |             | 2.38 H             | 229                  | 79.2             | 40.8                     |
| 4                                                    | *5200.00        | 110.9 AV                |                |             | 2.38 H             | 229                  | 70.1             | 40.8                     |
| 5                                                    | #10400.00       | 58.7 PK                 | 68.2           | -9.5        | 2.33 H             | 214                  | 50.6             | 8.1                      |
| 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                                                    | 5147.70         | 67.0 PK                 | 74.0           | -7.0        | 1.10 V             | 182                  | 63.7             | 3.3                      |
| 2                                                    | 5147.70         | 53.6 AV                 | 54.0           | -0.4        | 1.10 V             | 182                  | 50.3             | 3.3                      |
| 3                                                    | *5200.00        | 122.2 PK                |                |             | 1.10 V             | 182                  | 81.4             | 40.8                     |
| 4                                                    | *5200.00        | 113.1 AV                |                |             | 1.10 V             | 182                  | 72.3             | 40.8                     |
| 5                                                    | #10400.00       | 60.2 PK                 | 68.2           | -8.0        | 1.13 V             | 285                  | 52.1             | 8.1                      |

Remarks:

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

|                 |              |                   |                           |
|-----------------|--------------|-------------------|---------------------------|
| RF Mode         | TX 802.11a   | Channel           | CH 48 : 5240 MHz          |
| Frequency Range | 1GHz ~ 40GHz | Detector Function | Peak (PK)<br>Average (AV) |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |                         |                |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | *5240.00        | 117.3 PK                |                |             | 2.37 H             | 225                  | 76.5             | 40.8                     |
| 2                                                    | *5240.00        | 109.4 AV                |                |             | 2.37 H             | 225                  | 68.6             | 40.8                     |
| 3                                                    | 5350.00         | 57.1 PK                 | 74.0           | -16.9       | 2.37 H             | 225                  | 54.2             | 2.9                      |
| 4                                                    | 5350.00         | 46.7 AV                 | 54.0           | -7.3        | 2.37 H             | 225                  | 43.8             | 2.9                      |
| 5                                                    | #10480.00       | 58.1 PK                 | 68.2           | -10.1       | 2.29 H             | 254                  | 50.3             | 7.8                      |
| 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                                                    | *5240.00        | 119.6 PK                |                |             | 1.03 V             | 182                  | 78.8             | 40.8                     |
| 2                                                    | *5240.00        | 111.6 AV                |                |             | 1.03 V             | 182                  | 70.8             | 40.8                     |
| 3                                                    | 5350.00         | 57.8 PK                 | 74.0           | -16.2       | 1.03 V             | 182                  | 54.9             | 2.9                      |
| 4                                                    | 5350.00         | 47.1 AV                 | 54.0           | -6.9        | 1.03 V             | 182                  | 44.2             | 2.9                      |
| 5                                                    | #10480.00       | 59.6 PK                 | 68.2           | -8.6        | 1.15 V             | 285                  | 51.8             | 7.8                      |

Remarks:

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

|                 |              |                   |                           |
|-----------------|--------------|-------------------|---------------------------|
| RF Mode         | TX 802.11a   | Channel           | CH 52 : 5260 MHz          |
| Frequency Range | 1GHz ~ 40GHz | Detector Function | Peak (PK)<br>Average (AV) |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |                         |                |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 5150.00         | 57.6 PK                 | 74.0           | -16.4       | 2.34 H             | 216                  | 54.3             | 3.3                      |
| 2                                                    | 5150.00         | 46.4 AV                 | 54.0           | -7.6        | 2.34 H             | 216                  | 43.1             | 3.3                      |
| 3                                                    | *5260.00        | 121.3 PK                |                |             | 2.34 H             | 216                  | 80.5             | 40.8                     |
| 4                                                    | *5260.00        | 112.0 AV                |                |             | 2.34 H             | 216                  | 71.2             | 40.8                     |
| 5                                                    | #10520.00       | 57.1 PK                 | 68.2           | -11.1       | 2.10 H             | 185                  | 49.4             | 7.7                      |
| 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                                                    | 5150.00         | 58.1 PK                 | 74.0           | -15.9       | 1.07 V             | 191                  | 54.8             | 3.3                      |
| 2                                                    | 5150.00         | 46.6 AV                 | 54.0           | -7.4        | 1.07 V             | 191                  | 43.3             | 3.3                      |
| 3                                                    | *5260.00        | 122.6 PK                |                |             | 1.07 V             | 191                  | 81.8             | 40.8                     |
| 4                                                    | *5260.00        | 113.1 AV                |                |             | 1.07 V             | 191                  | 72.3             | 40.8                     |
| 5                                                    | #10520.00       | 59.6 PK                 | 68.2           | -8.6        | 1.14 V             | 286                  | 51.9             | 7.7                      |

Remarks:

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

|                 |              |                   |                           |
|-----------------|--------------|-------------------|---------------------------|
| RF Mode         | TX 802.11a   | Channel           | CH 60 : 5300 MHz          |
| Frequency Range | 1GHz ~ 40GHz | Detector Function | Peak (PK)<br>Average (AV) |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |                         |                |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | *5300.00        | 121.7 PK                |                |             | 2.35 H             | 216                  | 80.9             | 40.8                     |
| 2                                                    | *5300.00        | 112.0 AV                |                |             | 2.35 H             | 216                  | 71.2             | 40.8                     |
| 3                                                    | 5350.00         | 62.2 PK                 | 74.0           | -11.8       | 2.35 H             | 216                  | 59.3             | 2.9                      |
| 4                                                    | 5350.00         | 51.3 AV                 | 54.0           | -2.7        | 2.35 H             | 216                  | 48.4             | 2.9                      |
| 5                                                    | 10600.00        | 56.0 PK                 | 74.0           | -18.0       | 2.41 H             | 215                  | 48.2             | 7.8                      |
| 6                                                    | 10600.00        | 44.8 AV                 | 54.0           | -9.2        | 2.41 H             | 215                  | 37.0             | 7.8                      |
| 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                                                    | *5300.00        | 122.1 PK                |                |             | 1.05 V             | 191                  | 81.3             | 40.8                     |
| 2                                                    | *5300.00        | 112.4 AV                |                |             | 1.05 V             | 191                  | 71.6             | 40.8                     |
| 3                                                    | 5350.00         | 65.4 PK                 | 74.0           | -8.6        | 1.05 V             | 191                  | 62.5             | 2.9                      |
| 4                                                    | 5350.00         | 53.2 AV                 | 54.0           | -0.8        | 1.05 V             | 191                  | 50.3             | 2.9                      |
| 5                                                    | 10600.00        | 56.1 PK                 | 74.0           | -17.9       | 2.14 V             | 186                  | 48.3             | 7.8                      |
| 6                                                    | 10600.00        | 45.0 AV                 | 54.0           | -9.0        | 2.14 V             | 186                  | 37.2             | 7.8                      |

Remarks:

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

|                 |              |                   |                           |
|-----------------|--------------|-------------------|---------------------------|
| RF Mode         | TX 802.11a   | Channel           | CH 64 : 5320 MHz          |
| Frequency Range | 1GHz ~ 40GHz | Detector Function | Peak (PK)<br>Average (AV) |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |                         |                |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | *5320.00        | 119.5 PK                |                |             | 2.32 H             | 219                  | 78.8             | 40.7                     |
| 2                                                    | *5320.00        | 110.7 AV                |                |             | 2.32 H             | 219                  | 70.0             | 40.7                     |
| 3                                                    | 5351.00         | 64.6 PK                 | 74.0           | -9.4        | 2.32 H             | 219                  | 61.7             | 2.9                      |
| 4                                                    | 5351.00         | 53.3 AV                 | 54.0           | -0.7        | 2.32 H             | 219                  | 50.4             | 2.9                      |
| 5                                                    | 10640.00        | 56.5 PK                 | 74.0           | -17.5       | 2.44 H             | 210                  | 48.5             | 8.0                      |
| 6                                                    | 10640.00        | 45.5 AV                 | 54.0           | -8.5        | 2.44 H             | 210                  | 37.5             | 8.0                      |
| 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                                                    | *5320.00        | 119.2 PK                |                |             | 1.06 V             | 201                  | 78.5             | 40.7                     |
| 2                                                    | *5320.00        | 110.8 AV                |                |             | 1.06 V             | 201                  | 70.1             | 40.7                     |
| 3                                                    | 5351.00         | 64.7 PK                 | 74.0           | -9.3        | 1.06 V             | 201                  | 61.8             | 2.9                      |
| 4                                                    | 5351.00         | 53.5 AV                 | 54.0           | -0.5        | 1.06 V             | 201                  | 50.6             | 2.9                      |
| 5                                                    | 10640.00        | 56.8 PK                 | 74.0           | -17.2       | 1.53 V             | 188                  | 48.8             | 8.0                      |
| 6                                                    | 10640.00        | 45.6 AV                 | 54.0           | -8.4        | 1.53 V             | 188                  | 37.6             | 8.0                      |

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.

|                 |              |                   |                           |
|-----------------|--------------|-------------------|---------------------------|
| RF Mode         | TX 802.11a   | Channel           | CH 100 : 5500 MHz         |
| Frequency Range | 1GHz ~ 40GHz | Detector Function | Peak (PK)<br>Average (AV) |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |                         |                |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 5460.00         | 60.8 PK                 | 74.0           | -13.2       | 2.45 H             | 217                  | 57.8             | 3.0                      |
| 2                                                    | 5460.00         | 47.7 AV                 | 54.0           | -6.3        | 2.45 H             | 217                  | 44.7             | 3.0                      |
| 3                                                    | #5466.60        | 68.1 PK                 | 68.2           | -0.1        | 2.45 H             | 217                  | 65.1             | 3.0                      |
| 4                                                    | *5500.00        | 118.7 PK                |                |             | 2.45 H             | 217                  | 77.5             | 41.2                     |
| 5                                                    | *5500.00        | 108.7 AV                |                |             | 2.45 H             | 217                  | 67.5             | 41.2                     |
| 6                                                    | 11000.00        | 54.9 PK                 | 74.0           | -19.1       | 2.56 H             | 227                  | 47.4             | 7.5                      |
| 7                                                    | 11000.00        | 44.4 AV                 | 54.0           | -9.6        | 2.56 H             | 227                  | 36.9             | 7.5                      |
| 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                                                    | 5460.00         | 60.2 PK                 | 74.0           | -13.8       | 1.12 V             | 191                  | 57.2             | 3.0                      |
| 2                                                    | 5460.00         | 49.3 AV                 | 54.0           | -4.7        | 1.12 V             | 191                  | 46.3             | 3.0                      |
| 3                                                    | #5470.00        | 67.0 PK                 | 68.2           | -1.2        | 1.12 V             | 191                  | 64.0             | 3.0                      |
| 4                                                    | *5500.00        | 118.3 PK                |                |             | 1.12 V             | 191                  | 77.1             | 41.2                     |
| 5                                                    | *5500.00        | 109.9 AV                |                |             | 1.12 V             | 191                  | 68.7             | 41.2                     |
| 6                                                    | 11000.00        | 55.1 PK                 | 74.0           | -18.9       | 1.52 V             | 188                  | 47.6             | 7.5                      |
| 7                                                    | 11000.00        | 44.4 AV                 | 54.0           | -9.6        | 1.52 V             | 188                  | 36.9             | 7.5                      |

Remarks:

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

|                 |              |                   |                           |
|-----------------|--------------|-------------------|---------------------------|
| RF Mode         | TX 802.11a   | Channel           | CH 116 : 5580 MHz         |
| Frequency Range | 1GHz ~ 40GHz | Detector Function | Peak (PK)<br>Average (AV) |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |                         |                |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | *5580.00        | 119.5 PK                |                |             | 2.35 H             | 214                  | 78.1             | 41.4                     |
| 2                                                    | *5580.00        | 110.4 AV                |                |             | 2.35 H             | 214                  | 69.0             | 41.4                     |
| 3                                                    | 11160.00        | 57.0 PK                 | 74.0           | -17.0       | 2.49 H             | 200                  | 48.5             | 8.5                      |
| 4                                                    | 11160.00        | 45.8 AV                 | 54.0           | -8.2        | 2.49 H             | 200                  | 37.3             | 8.5                      |
| 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                                                    | *5580.00        | 120.8 PK                |                |             | 1.17 V             | 192                  | 79.4             | 41.4                     |
| 2                                                    | *5580.00        | 111.7 AV                |                |             | 1.17 V             | 192                  | 70.3             | 41.4                     |
| 3                                                    | 11160.00        | 57.2 PK                 | 74.0           | -16.8       | 1.61 V             | 182                  | 48.7             | 8.5                      |
| 4                                                    | 11160.00        | 46.1 AV                 | 54.0           | -7.9        | 1.61 V             | 182                  | 37.6             | 8.5                      |

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.

|                 |              |                   |                           |
|-----------------|--------------|-------------------|---------------------------|
| RF Mode         | TX 802.11a   | Channel           | CH 140 : 5700 MHz         |
| Frequency Range | 1GHz ~ 40GHz | Detector Function | Peak (PK)<br>Average (AV) |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |                         |                |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | *5700.00        | 116.8 PK                |                |             | 2.32 H             | 219                  | 74.8             | 42.0                     |
| 2                                                    | *5700.00        | 108.2 AV                |                |             | 2.32 H             | 219                  | 66.2             | 42.0                     |
| 3                                                    | #5725.00        | 67.3 PK                 | 68.2           | -0.9        | 2.32 H             | 219                  | 63.2             | 4.1                      |
| 4                                                    | 11400.00        | 54.8 PK                 | 74.0           | -19.2       | 2.49 H             | 203                  | 46.4             | 8.4                      |
| 5                                                    | 11400.00        | 43.8 AV                 | 54.0           | -10.2       | 2.49 H             | 203                  | 35.4             | 8.4                      |
| 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                                                    | *5700.00        | 117.1 PK                |                |             | 1.09 V             | 191                  | 75.1             | 42.0                     |
| 2                                                    | *5700.00        | 109.1 AV                |                |             | 1.09 V             | 191                  | 67.1             | 42.0                     |
| 3                                                    | #5725.00        | 68.0 PK                 | 68.2           | -0.2        | 1.09 V             | 191                  | 63.9             | 4.1                      |
| 4                                                    | 11400.00        | 55.1 PK                 | 74.0           | -18.9       | 1.42 V             | 193                  | 46.7             | 8.4                      |
| 5                                                    | 11400.00        | 44.9 AV                 | 54.0           | -9.1        | 1.42 V             | 193                  | 36.5             | 8.4                      |

Remarks:

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

|                 |              |                   |                           |
|-----------------|--------------|-------------------|---------------------------|
| RF Mode         | TX 802.11a   | Channel           | CH 144 : 5720 MHz         |
| Frequency Range | 1GHz ~ 40GHz | Detector Function | Peak (PK)<br>Average (AV) |

| 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                                                    | #5470.00        | 59.4 PK                 | 68.2           | -8.8        | 2.40 H             | 219                  | 56.4             | 3.0                      |
| 2                                                    | *5720.00        | 121.1 PK                |                |             | 2.40 H             | 219                  | 79.0             | 42.1                     |
| 3                                                    | *5720.00        | 112.0 AV                |                |             | 2.40 H             | 219                  | 69.9             | 42.1                     |
| 4                                                    | #5850.00        | 61.9 PK                 | 68.2           | -6.3        | 2.40 H             | 219                  | 57.5             | 4.4                      |
| 5                                                    | 11440.00        | 55.3 PK                 | 74.0           | -18.7       | 2.49 H             | 231                  | 46.9             | 8.4                      |
| 6                                                    | 11440.00        | 43.6 AV                 | 54.0           | -10.4       | 2.49 H             | 231                  | 35.2             | 8.4                      |
| 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                                                    | #5470.00        | 59.9 PK                 | 68.2           | -8.3        | 1.00 V             | 184                  | 56.9             | 3.0                      |
| 2                                                    | *5720.00        | 113.3 PK                |                |             | 1.00 V             | 184                  | 71.2             | 42.1                     |
| 3                                                    | *5720.00        | 112.1 AV                |                |             | 1.00 V             | 184                  | 70.0             | 42.1                     |
| 4                                                    | #5850.00        | 62.2 PK                 | 68.2           | -6.0        | 1.00 V             | 184                  | 57.8             | 4.4                      |
| 5                                                    | 11440.00        | 55.6 PK                 | 74.0           | -18.4       | 1.63 V             | 199                  | 47.2             | 8.4                      |
| 6                                                    | 11440.00        | 44.6 AV                 | 54.0           | -9.4        | 1.63 V             | 199                  | 36.2             | 8.4                      |

Remarks:

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

|                 |              |                   |                           |
|-----------------|--------------|-------------------|---------------------------|
| RF Mode         | TX 802.11a   | Channel           | CH 149 : 5745 MHz         |
| Frequency Range | 1GHz ~ 40GHz | Detector Function | Peak (PK)<br>Average (AV) |

| 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                                                    | #5608.00        | 59.6 PK                 | 68.2           | -8.6        | 2.32 H             | 223                  | 56.1             | 3.5                      |
| 2                                                    | *5745.00        | 120.3 PK                |                |             | 2.32 H             | 223                  | 116.2            | 4.1                      |
| 3                                                    | *5745.00        | 110.0 AV                |                |             | 2.32 H             | 223                  | 105.9            | 4.1                      |
| 4                                                    | #5943.60        | 61.7 PK                 | 68.2           | -6.5        | 2.32 H             | 223                  | 57.2             | 4.5                      |
| 5                                                    | 11490.00        | 60.8 PK                 | 74.0           | -13.2       | 2.01 H             | 198                  | 52.3             | 8.5                      |
| 6                                                    | 11490.00        | 47.6 AV                 | 54.0           | -6.4        | 2.01 H             | 198                  | 39.1             | 8.5                      |
| 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                                                    | #5644.80        | 63.0 PK                 | 68.2           | -5.2        | 1.12 V             | 175                  | 59.2             | 3.8                      |
| 2                                                    | *5745.00        | 120.9 PK                |                |             | 1.12 V             | 175                  | 116.8            | 4.1                      |
| 3                                                    | *5745.00        | 110.2 AV                |                |             | 1.12 V             | 175                  | 106.1            | 4.1                      |
| 4                                                    | #5981.20        | 62.4 PK                 | 68.2           | -5.8        | 1.12 V             | 175                  | 57.8             | 4.6                      |
| 5                                                    | 11490.00        | 61.1 PK                 | 74.0           | -12.9       | 1.51 V             | 180                  | 52.6             | 8.5                      |
| 6                                                    | 11490.00        | 48.2 AV                 | 54.0           | -5.8        | 1.51 V             | 180                  | 39.7             | 8.5                      |

Remarks:

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

|                 |              |                   |                           |
|-----------------|--------------|-------------------|---------------------------|
| RF Mode         | TX 802.11a   | Channel           | CH 157 : 5785 MHz         |
| Frequency Range | 1GHz ~ 40GHz | Detector Function | Peak (PK)<br>Average (AV) |

| 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                                                    | #5637.60        | 61.0 PK                 | 68.2           | -7.2        | 2.37 H             | 225                  | 57.2             | 3.8                      |
| 2                                                    | *5785.00        | 119.2 PK                |                |             | 2.37 H             | 225                  | 76.7             | 42.5                     |
| 3                                                    | *5785.00        | 109.8 AV                |                |             | 2.37 H             | 225                  | 67.3             | 42.5                     |
| 4                                                    | #5942.40        | 62.4 PK                 | 68.2           | -5.8        | 2.37 H             | 225                  | 57.9             | 4.5                      |
| 5                                                    | 11570.00        | 60.4 PK                 | 74.0           | -13.6       | 1.97 H             | 196                  | 51.6             | 8.8                      |
| 6                                                    | 11570.00        | 47.3 AV                 | 54.0           | -6.7        | 1.97 H             | 196                  | 38.5             | 8.8                      |
| 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                                                    | #5611.20        | 62.1 PK                 | 68.2           | -6.1        | 1.00 V             | 185                  | 58.6             | 3.5                      |
| 2                                                    | *5785.00        | 120.0 PK                |                |             | 1.00 V             | 185                  | 115.7            | 4.3                      |
| 3                                                    | *5785.00        | 109.8 AV                |                |             | 1.00 V             | 185                  | 105.5            | 4.3                      |
| 4                                                    | #5934.40        | 63.3 PK                 | 68.2           | -4.9        | 1.00 V             | 185                  | 58.8             | 4.5                      |
| 5                                                    | 11570.00        | 60.8 PK                 | 74.0           | -13.2       | 1.43 V             | 178                  | 52.0             | 8.8                      |
| 6                                                    | 11570.00        | 48.0 AV                 | 54.0           | -6.0        | 1.43 V             | 178                  | 39.2             | 8.8                      |

Remarks:

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

|                 |              |                   |                           |
|-----------------|--------------|-------------------|---------------------------|
| RF Mode         | TX 802.11a   | Channel           | CH 165 : 5825 MHz         |
| Frequency Range | 1GHz ~ 40GHz | Detector Function | Peak (PK)<br>Average (AV) |

| 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                                                    | #5647.60        | 60.5 PK                 | 68.2           | -7.7        | 2.45 H             | 219                  | 56.7             | 3.8                      |
| 2                                                    | *5825.00        | 120.5 PK                |                |             | 2.45 H             | 219                  | 77.9             | 42.6                     |
| 3                                                    | *5825.00        | 110.3 AV                |                |             | 2.45 H             | 219                  | 67.7             | 42.6                     |
| 4                                                    | #5953.20        | 61.9 PK                 | 68.2           | -6.3        | 2.45 H             | 219                  | 57.3             | 4.6                      |
| 5                                                    | 11650.00        | 60.2 PK                 | 74.0           | -13.8       | 1.98 H             | 202                  | 51.4             | 8.8                      |
| 6                                                    | 11650.00        | 47.4 AV                 | 54.0           | -6.6        | 1.98 H             | 202                  | 38.6             | 8.8                      |
| 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                                                    | #5642.40        | 60.8 PK                 | 68.2           | -7.4        | 1.02 V             | 187                  | 57.0             | 3.8                      |
| 2                                                    | *5825.00        | 120.3 PK                |                |             | 1.02 V             | 187                  | 77.7             | 42.6                     |
| 3                                                    | *5825.00        | 109.9 AV                |                |             | 1.02 V             | 187                  | 67.3             | 42.6                     |
| 4                                                    | #5946.40        | 62.8 PK                 | 68.2           | -5.4        | 1.02 V             | 187                  | 58.2             | 4.6                      |
| 5                                                    | 11650.00        | 60.7 PK                 | 74.0           | -13.3       | 1.51 V             | 182                  | 51.9             | 8.8                      |
| 6                                                    | 11650.00        | 48.1 AV                 | 54.0           | -5.9        | 1.51 V             | 182                  | 39.3             | 8.8                      |

Remarks:

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

|                 |                            |                   |                           |
|-----------------|----------------------------|-------------------|---------------------------|
| RF Mode         | TX 802.11ax (HE20)<br>RU26 | Channel           | CH 36 : 5180 MHz          |
| Frequency Range | 1GHz ~ 40GHz               | Detector Function | Peak (PK)<br>Average (AV) |

| 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                                                    | 5136.05         | 73.5 PK                 | 74.0           | -0.5        | 2.57 H             | 214                  | 70.3             | 3.2                      |
| 2                                                    | 5136.05         | 50.9 AV                 | 54.0           | -3.1        | 2.57 H             | 214                  | 47.7             | 3.2                      |
| 3                                                    | *5180.00        | 126.1 PK                |                |             | 2.57 H             | 214                  | 85.3             | 40.8                     |
| 4                                                    | *5180.00        | 114.9 AV                |                |             | 2.57 H             | 214                  | 74.1             | 40.8                     |
| 5                                                    | #10360.00       | 66.2 PK                 | 68.2           | -2.0        | 3.02 H             | 216                  | 58.2             | 8.0                      |
| 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                                                    | 5136.50         | 73.3 PK                 | 74.0           | -0.7        | 1.25 V             | 174                  | 70.1             | 3.2                      |
| 2                                                    | 5136.50         | 50.7 AV                 | 54.0           | -3.3        | 1.25 V             | 174                  | 47.5             | 3.2                      |
| 3                                                    | *5180.00        | 128.3 PK                |                |             | 1.25 V             | 174                  | 87.5             | 40.8                     |
| 4                                                    | *5180.00        | 117.6 AV                |                |             | 1.25 V             | 174                  | 76.8             | 40.8                     |
| 5                                                    | #10360.00       | 67.2 PK                 | 68.2           | -1.0        | 2.51 V             | 226                  | 59.2             | 8.0                      |

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.
6. " # " : The radiated frequency is out of the restricted band.

|                 |                            |                   |                           |
|-----------------|----------------------------|-------------------|---------------------------|
| RF Mode         | TX 802.11ax (HE20)<br>RU26 | Channel           | CH 64 : 5320 MHz          |
| Frequency Range | 1GHz ~ 40GHz               | Detector Function | Peak (PK)<br>Average (AV) |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |                         |                |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | *5320.00        | 125.0 PK                |                |             | 2.59 H             | 212                  | 84.3             | 40.7                     |
| 2                                                    | *5320.00        | 115.2 AV                |                |             | 2.59 H             | 212                  | 74.5             | 40.7                     |
| 3                                                    | 5361.30         | 73.4 PK                 | 74.0           | -0.6        | 2.59 H             | 212                  | 70.6             | 2.8                      |
| 4                                                    | 5361.30         | 49.1 AV                 | 54.0           | -4.9        | 2.59 H             | 212                  | 46.3             | 2.8                      |
| 5                                                    | 10640.00        | 60.5 PK                 | 74.0           | -13.5       | 2.83 H             | 218                  | 52.5             | 8.0                      |
| 6                                                    | 10640.00        | 50.9 AV                 | 54.0           | -3.1        | 2.83 H             | 218                  | 42.9             | 8.0                      |
| 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                                                    | *5320.00        | 128.4 PK                |                |             | 1.22 V             | 186                  | 87.7             | 40.7                     |
| 2                                                    | *5320.00        | 116.0 AV                |                |             | 1.22 V             | 186                  | 75.3             | 40.7                     |
| 3                                                    | 5361.30         | 71.5 PK                 | 74.0           | -2.5        | 1.22 V             | 186                  | 68.7             | 2.8                      |
| 4                                                    | 5361.30         | 50.0 AV                 | 54.0           | -4.0        | 1.22 V             | 186                  | 47.2             | 2.8                      |
| 5                                                    | 10640.00        | 60.3 PK                 | 74.0           | -13.7       | 2.55 V             | 230                  | 52.3             | 8.0                      |
| 6                                                    | 10640.00        | 50.8 AV                 | 54.0           | -3.2        | 2.55 V             | 230                  | 42.8             | 8.0                      |

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.

|                 |                            |                   |                           |
|-----------------|----------------------------|-------------------|---------------------------|
| RF Mode         | TX 802.11ax (HE20)<br>RU26 | Channel           | CH 100 : 5500 MHz         |
| Frequency Range | 1GHz ~ 40GHz               | Detector Function | Peak (PK)<br>Average (AV) |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |                         |                |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 5460.00         | 71.1 PK                 | 74.0           | -2.9        | 2.37 H             | 219                  | 68.1             | 3.0                      |
| 2                                                    | 5460.00         | 48.6 AV                 | 54.0           | -5.4        | 2.37 H             | 219                  | 45.6             | 3.0                      |
| 3                                                    | #5461.70        | 67.6 PK                 | 68.2           | -0.6        | 2.37 H             | 219                  | 64.6             | 3.0                      |
| 4                                                    | *5500.00        | 129.0 PK                |                |             | 2.37 H             | 219                  | 87.8             | 41.2                     |
| 5                                                    | *5500.00        | 117.8 AV                |                |             | 2.37 H             | 219                  | 76.6             | 41.2                     |
| 6                                                    | 11000.00        | 61.7 PK                 | 74.0           | -12.3       | 2.28 H             | 220                  | 54.2             | 7.5                      |
| 7                                                    | 11000.00        | 52.0 AV                 | 54.0           | -2.0        | 2.28 H             | 220                  | 44.5             | 7.5                      |
| 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                                                    | 5460.00         | 61.2 PK                 | 74.0           | -12.8       | 1.11 V             | 188                  | 58.2             | 3.0                      |
| 2                                                    | 5460.00         | 48.9 AV                 | 54.0           | -5.1        | 1.11 V             | 188                  | 45.9             | 3.0                      |
| 3                                                    | #5461.70        | 66.5 PK                 | 68.2           | -1.7        | 1.11 V             | 188                  | 63.5             | 3.0                      |
| 4                                                    | *5500.00        | 126.0 PK                |                |             | 1.11 V             | 188                  | 84.8             | 41.2                     |
| 5                                                    | *5500.00        | 116.0 AV                |                |             | 1.11 V             | 188                  | 74.8             | 41.2                     |
| 6                                                    | 11000.00        | 61.5 PK                 | 74.0           | -12.5       | 2.56 V             | 227                  | 54.0             | 7.5                      |
| 7                                                    | 11000.00        | 51.3 AV                 | 54.0           | -2.7        | 2.56 V             | 227                  | 43.8             | 7.5                      |

Remarks:

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

|                 |                            |                   |                           |
|-----------------|----------------------------|-------------------|---------------------------|
| RF Mode         | TX 802.11ax (HE20)<br>RU26 | Channel           | CH 140 : 5700 MHz         |
| Frequency Range | 1GHz ~ 40GHz               | Detector Function | Peak (PK)<br>Average (AV) |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |                         |                |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | *5700.00        | 124.6 PK                |                |             | 2.47 H             | 235                  | 82.6             | 42.0                     |
| 2                                                    | *5700.00        | 113.9 AV                |                |             | 2.47 H             | 235                  | 71.9             | 42.0                     |
| 3                                                    | #5725.90        | 67.6 PK                 | 68.2           | -0.6        | 2.47 H             | 235                  | 63.5             | 4.1                      |
| 4                                                    | 11400.00        | 60.5 PK                 | 74.0           | -13.5       | 2.21 H             | 217                  | 52.1             | 8.4                      |
| 5                                                    | 11400.00        | 50.7 AV                 | 54.0           | -3.3        | 2.21 H             | 217                  | 42.3             | 8.4                      |
| 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                                                    | *5700.00        | 123.5 PK                |                |             | 1.19 V             | 197                  | 81.5             | 42.0                     |
| 2                                                    | *5700.00        | 112.8 AV                |                |             | 1.19 V             | 197                  | 70.8             | 42.0                     |
| 3                                                    | #5725.90        | 65.8 PK                 | 68.2           | -2.4        | 1.19 V             | 197                  | 61.7             | 4.1                      |
| 4                                                    | 11400.00        | 60.2 PK                 | 74.0           | -13.8       | 2.56 V             | 221                  | 51.8             | 8.4                      |
| 5                                                    | 11400.00        | 50.5 AV                 | 54.0           | -3.5        | 2.56 V             | 221                  | 42.1             | 8.4                      |

Remarks:

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