

## FCC Test Report (WLAN)

**Report No.:** RF140407E07D-1

**FCC ID:** TLZ-CM389NF

**Test Model:** AW-CM389NF

**Received Date:** Apr. 14, 2016

**Test Date:** May 18 to June 06, 2016

**Issued Date:** June 17, 2016

**Applicant:** AzureWave Technologies, Inc.

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**Issued By:** Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch  
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### Release Control Record

| Issue No.      | Description       | Date Issued   |
|----------------|-------------------|---------------|
| RF140407E07D-1 | Original release. | June 17, 2016 |

## 1 Certificate of Conformity

**Product:** IEEE 802.11 2X2 MIMO a/b/g/n/ac Wireless LAN + Bluetooth + NFC NGFF Module

**Brand:** AzureWave

**Test Model:** AW-CM389NF

**Sample Status:** ENGINEERING SAMPLE

**Applicant:** AzureWave Technologies, Inc.

**Test Date:** May 18 to June 06, 2016

**Standard:** 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 EMC characteristics under the conditions specified in this report.

**Prepared by :**

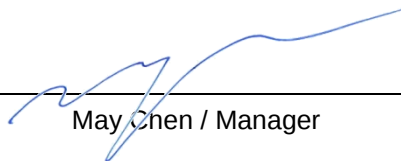


**Date:**

June 17, 2016

Claire Kuan / Specialist

**Approved by :**



**Date:**

June 17, 2016

May Chen / Manager

## 2 Summary of Test Results

| 47 CFR FCC Part 15, Subpart E (SECTION 15.407) |                                             |        |                                                                                                                        |
|------------------------------------------------|---------------------------------------------|--------|------------------------------------------------------------------------------------------------------------------------|
| FCC Clause                                     | Test Item                                   | Result | Remarks                                                                                                                |
| 15.407(b)<br>(1/2/3/4(i/ii)/6)                 | Radiated Emissions & Band Edge Measurement* | Pass   | Meet the requirement of limit.<br>Minimum passing margin is -0.1dB at 5150.00MHz, 5350.00MHz, 5470.00MHz, 15780.00MHz. |
| 15.407(a)(1/2/3)                               | Max Average Transmit Power                  | Pass   | Meet the requirement of limit.                                                                                         |
| 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.<br>(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.                                                              |

\*For U-NII-3 band compliance with rule part 15.407(b)(4)(i), the OOB test plots were recorded in Annex A.

- Note: 1. This report is prepared for FCC Class II change. (Upgrade the standard to section 15.407 under new rule (16-24) for U-NII-3 band)
2. The EUT was operating in 2.400 ~ 2.4835GHz, 5.15~5.35GHz, 5.47~5.6GHz & 5.65~5.725GHz and 5.725~5.850GHz frequencies band. This report was recorded the RF parameters including 5.15~5.35GHz, 5.47~5.6GHz & 5.65~5.725GHz and 5.725~5.850GHz. For the 2.400 ~ 2.4835GHz RF parameters was recorded in another test report.

### 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) (±) |
|--------------------------------|---------------|--------------------------------|
| Radiated Emissions up to 1 GHz | 30MHz ~ 1GHz  | 5.43 dB                        |
| Radiated Emissions above 1 GHz | 1GHz ~ 6GHz   | 3.72 dB                        |
|                                | 6GHz ~ 18GHz  | 4.00 dB                        |
|                                | 18GHz ~ 40GHz | 4.11 dB                        |

### 2.2 Modification Record

There were no modifications required for compliance.

### 3 General Information

#### 3.1 General Description of EUT

|                       |                                                                                                                                                                 |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product               | IEEE 802.11 2X2 MIMO a/b/g/n/ac Wireless LAN + Bluetooth + NFC NGFF Module                                                                                      |
| Brand                 | AzureWave                                                                                                                                                       |
| Test Model            | AW-CM389NF                                                                                                                                                      |
| Status of EUT         | ENGINEERING SAMPLE                                                                                                                                              |
| Power Supply Rating   | 3.3Vdc from host equipment                                                                                                                                      |
| Modulation Type       | CCK, DQPSK, DBPSK for DSSS<br>64QAM, 16QAM, QPSK, BPSK for OFDM<br>256QAM for OFDM in 11ac mode                                                                 |
| Modulation Technology | DSSS, OFDM                                                                                                                                                      |
| Transfer Rate         | 802.11b: up to 11Mbps<br>802.11a/g: up to 54Mbps<br>802.11n: up to 300Mbps<br>802.11ac: up to 866.7Mbps                                                         |
| Operating Frequency   | <b>For 15.407</b><br>5.18 ~ 5.24GHz, 5.26 ~ 5.32GHz, 5.5 ~ 5.7GHz, 5.745 ~ 5.825GHz                                                                             |
|                       | <b>For 15.247</b><br>2.412 ~ 2.462GHz                                                                                                                           |
| Number of Channel     | <b>For 15.407</b><br>24 for 802.11a, 802.11n (HT20), 802.11ac (VHT20)<br>11 for 802.11n (HT40), 802.11ac (VHT40)<br>5 for 802.11ac (VHT80)                      |
|                       | <b>For 15.247</b><br>11 for 802.11b, 802.11g, 802.11n (HT20)<br>7 for 802.11n (HT40)                                                                            |
| Output Power          | <b>For 15.407</b><br><b>5.18~5.24GHz</b><br>64.539mW<br><b>5.26~5.32GHz</b><br>70.809mW<br><b>5.5 ~ 5.7GHz</b><br>74.062mW<br><b>5.745~5.825GHz</b><br>69.979mW |
|                       | <b>For 15.247</b><br>624.507mW                                                                                                                                  |
| Antenna Type          | Refer to Note                                                                                                                                                   |
| Antenna Connector     | Refer to Note                                                                                                                                                   |
| Accessory Device      | NA                                                                                                                                                              |
| Data Cable Supplied   | NA                                                                                                                                                              |

Note:

1. This report is prepared for FCC Class II change. The differences between them are as below information:

- ◆ Upgrade the standard to section 15.407 under new rule (16-24) for U-NII-3 band.
- ◆ Added three sets of antennas as below table:

| Original      |                      |                           |                            |                                              |                              |              |                |                   |
|---------------|----------------------|---------------------------|----------------------------|----------------------------------------------|------------------------------|--------------|----------------|-------------------|
| For WLAN / BT |                      |                           |                            |                                              |                              |              |                |                   |
| Antenna Set.  | Transmitter Circuit  | Brand                     | Model                      | Antenna Gain(dBi)<br>< including cable loss> | Frequency range (MHz to MHz) | Antenna Type | Connector Type | Cable Length (cm) |
| 1             | Chain (0)            | MAG.LAYERS                | MSA-4008-25GC1-A1          | 2.98                                         | 2400~2500                    | PIFA         | i-pex(MHF)     | 15                |
|               |                      |                           |                            | 5.16                                         | 4900~5900                    |              |                |                   |
|               | Chain (1)            | MAG.LAYERS                | MSA-4008-25GC1-A1          | 2.98                                         | 2400~2500                    | PIFA         | i-pex(MHF)     | 15                |
|               |                      |                           |                            | 5.16                                         | 4900~5900                    |              |                |                   |
| 2             | Main Antenna Chain 0 | Wistron Neweb Corporation | DC33001KT00 (81EAAL15.G92) | 1.54                                         | 2400~2500                    | PIFA         | i-pex(MHF)     | 36.3              |
|               |                      |                           |                            | 1.26                                         | 5150~5850                    |              |                |                   |
|               | Aux Antenna Chain 1  | Wistron Neweb Corporation | DC33001KT10 (81EAAL15.G75) | 0.63                                         | 2400~2500                    | PIFA         | i-pex(MHF)     | 59.3              |
|               |                      |                           |                            | 1.84                                         | 5150~5850                    |              |                |                   |

| Newly         |                     |                 |           |                   |                              |              |                |                 |
|---------------|---------------------|-----------------|-----------|-------------------|------------------------------|--------------|----------------|-----------------|
| For WLAN / BT |                     |                 |           |                   |                              |              |                |                 |
| Antenna Set.  | Transmitter Circuit | Brand           | Model     | Antenna Gain(dBi) | Frequency range (MHz to MHz) | Antenna Type | Connector Type | Cable Loss (dB) |
| 3             | Chain (0)           | TE connectivity | 2195487   | -0.77             | 2400~2500                    | Dipole       | i-pex(MHF)     | 0.4             |
|               |                     |                 |           | 3.64              | 5150~5850                    |              |                | 0.5             |
|               | Chain (1)           | TE connectivity | 2195487   | -0.77             | 2400~2500                    | Dipole       | i-pex(MHF)     | 0.4             |
|               |                     |                 |           | 3.64              | 5150~5850                    |              |                | 0.5             |
| 4             | Chain (0)           | TE connectivity | 2195501-1 | 2.35              | 2400~2500                    | Slot         | i-pex(MHF)     | 0.35            |
|               |                     |                 |           | 4.08              | 5150~5850                    |              |                | 0.45            |
|               | Chain (1)           | TE connectivity | 2195501-1 | 2.35              | 2400~2500                    | Slot         | i-pex(MHF)     | 0.35            |
|               |                     |                 |           | 4.08              | 5150~5850                    |              |                | 0.45            |
| 5             | Chain (0)           | TE connectivity | 2195505-1 | 0.41              | 2400~2500                    | Slot         | i-pex(MHF)     | 0.35            |
|               |                     |                 |           | 4.82              | 5150~5850                    |              |                | 0.45            |
|               | Chain (1)           | TE connectivity | 2195505-1 | 0.41              | 2400~2500                    | Slot         | i-pex(MHF)     | 0.35            |
|               |                     |                 |           | 4.82              | 5150~5850                    |              |                | 0.45            |

From the above newly antenna sets, the **Set 1, Set 3 and Set 5** were selected as representative antenna for the test and its data was recorded in this report.

2. For UNII-1, UNII-2A and UNII-2C band: According to added three sets antenna, only Radiated Emissions and Max Average Transmit Power test items need to be performed. And all data were verified to meet the requirements.
3. For UNII-3 band: According to upgrade the standard to section 15.407 under new rule (16-24), all test items need to be performed. And all data were verified to meet the requirements.
4. There are Bluetooth, WLAN and NFC technology used for the EUT.
5. The NFC antenna provided to the EUT, please refer to the following table:

| Brand   | Model        | Antenna Gain(dBi) | Frequency Range (MHz) | Antenna Type | Connector Type |
|---------|--------------|-------------------|-----------------------|--------------|----------------|
| Marvell | 30X40X4T_PCB | 0.5               | 13.56                 | PCB          | i-pex(MHF)     |

## 6. WLAN/BT/NFC coexistence mode:

| Condition | Technology            |    |     |
|-----------|-----------------------|----|-----|
| 1         | WLAN(2.4GHz) 1Tx only | BT | NFC |
| 2         | WLAN(5GHz) 1Tx only   | BT | NFC |

From above coexistence mode, radiated emission of the simultaneous operation has been evaluated and no non-compliance was found.

## 7. The EUT incorporates a MIMO function.

| MODULATION MODE            | DATA RATE (MCS)       | TX & RX CONFIGURATION  |                   |
|----------------------------|-----------------------|------------------------|-------------------|
| 802.11a                    | 6 ~ 54Mbps            | 1Tx diversity/2TX(CDD) | 1Rx diversity/2RX |
| 802.11b                    | 1 ~ 11Mbps            | 1Tx diversity/2TX(CDD) | 1Rx diversity/2RX |
| 802.11g                    | 6 ~ 54Mbps            | 1Tx diversity/2TX(CDD) | 1Rx diversity/2RX |
| 802.11n (HT20)             | MCS 0~7               | 1Tx                    | 1Rx diversity     |
|                            | MCS 8~15              | 2Tx                    | 2Rx               |
| 802.11n (HT40)             | MCS 0~7               | 1Tx                    | 1Rx diversity     |
|                            | MCS 8~15              | 2Tx                    | 2Rx               |
| 802.11ac (VHT20)<br>(5GHz) | MCS0~8 (256QAM) Nss=1 | 1Tx                    | 1Rx diversity     |
|                            | MCS0~8 (256QAM) Nss=2 | 2Tx                    | 2Rx               |
| 802.11ac (VHT40)<br>(5GHz) | MCS0~9 (256QAM) Nss=1 | 1Tx                    | 1Rx diversity     |
|                            | MCS0~9 (256QAM) Nss=2 | 2Tx                    | 2Rx               |
| 802.11ac (VHT80)<br>(5GHz) | MCS0~9 (256QAM) Nss=1 | 1Tx                    | 1Rx diversity     |
|                            | MCS0~9 (256QAM) Nss=2 | 2Tx                    | 2Rx               |

Note: The modulation and bandwidth are similar for 802.11n mode for 20MHz (40MHz) and 802.11ac mode for 20MHz (40MHz), therefore investigated worst case to representative mode in test report. (Final test mode refer section 3.2.1)

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

### 3.2 Description of Test Modes

#### FOR 5180 ~ 5240MHz

4 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20):

| Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|
| 36      | 5180 MHz  | 44      | 5220 MHz  |
| 40      | 5200 MHz  | 48      | 5240 MHz  |

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

| Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|
| 38      | 5190 MHz  | 46      | 5230 MHz  |

1 channel is provided for 802.11ac (VHT80):

| Channel | Frequency |
|---------|-----------|
| 42      | 5210MHz   |

#### FOR 5260 ~ 5320MHz

4 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20):

| Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|
| 52      | 5260 MHz  | 60      | 5300 MHz  |
| 56      | 5280 MHz  | 64      | 5320 MHz  |

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

| Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|
| 54      | 5270 MHz  | 62      | 5310 MHz  |

1 channel is provided for 802.11ac (VHT80):

| Channel | Frequency |
|---------|-----------|
| 58      | 5290MHz   |

#### FOR 5500 ~ 5700MHz

11 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20):

| 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  |         |           |

5 channels are provided for 802.11n (HT40), 802.11ac (VHT40):

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

2 channel is provided for 802.11ac (VHT80):

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

#### FOR 5745 ~ 5825MHz:

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

| 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):

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

1 channel is provided for 802.11ac (VHT80):

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

### 3.2.1 Test Mode Applicability and Tested Channel Detail

| EUT Configure Mode | Applicable To |       |      | Description             |
|--------------------|---------------|-------|------|-------------------------|
|                    | RE≥1G         | RE<1G | APCM |                         |
| 1                  | √             | √     | √    | EUT With PIFA antenna   |
| 2                  | √             | √     | -    | EUT With Dipole antenna |
| 3                  | √             | √     | -    | EUT With Slot antenna   |

Where **RE≥1G**: Radiated Emission above 1GHz **RE<1G**: Radiated Emission below 1GHz

**APCM**: Antenna Port Conducted Measurement

**NOTE:** 1. "-" means no effect.

2. **For PIFA antenna:** The EUT's antenna had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on **Y-plane**.
3. **For Dipole antenna:** The EUT's antenna had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on **Y-plane**.
4. **For Slot antenna:** The EUT's antenna had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on **X-plane**.

#### 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.

| Mode             | FREQ. Band (MHz)     | Available Channel | Tested Channel | Modulation Technology | Modulation Type | Data Rate (Mbps) |
|------------------|----------------------|-------------------|----------------|-----------------------|-----------------|------------------|
| 802.11a          | 5180-5240            | 36 to 48          | 36, 40, 48     | OFDM                  | BPSK            | 6                |
| 802.11ac (VHT20) |                      | 36 to 48          | 36, 40, 48     | OFDM                  | BPSK            | 13               |
| 802.11ac (VHT40) |                      | 38 to 46          | 38, 46         | OFDM                  | BPSK            | 27               |
| 802.11ac (VHT80) |                      | 42                | 42             | OFDM                  | BPSK            | 58.5             |
| 802.11a          | 5260-5320            | 52 to 64          | 52, 60, 64     | OFDM                  | BPSK            | 6                |
| 802.11ac (VHT20) |                      | 52 to 64          | 52, 60, 64     | OFDM                  | BPSK            | 13               |
| 802.11ac (VHT40) |                      | 54 to 62          | 54, 62         | OFDM                  | BPSK            | 27               |
| 802.11ac (VHT80) |                      | 58                | 58             | OFDM                  | BPSK            | 58.5             |
| 802.11a          | 5500-5580, 5660-5700 | 100 to 140        | 100, 116, 140  | OFDM                  | BPSK            | 6                |
| 802.11ac (VHT20) |                      | 100 to 140        | 100, 116, 140  | OFDM                  | BPSK            | 13               |
| 802.11ac (VHT40) |                      | 102 to 134        | 102, 110, 134  | OFDM                  | BPSK            | 27               |
| 802.11ac (VHT80) |                      | 106               | 106            | OFDM                  | BPSK            | 58.5             |
| 802.11a          | 5745-5825            | 149 to 165        | 149, 157, 165  | OFDM                  | BPSK            | 6                |
| 802.11ac (VHT20) |                      | 149 to 165        | 149, 157, 165  | OFDM                  | BPSK            | 13               |
| 802.11ac (VHT40) |                      | 151 to 159        | 151, 159       | OFDM                  | BPSK            | 27               |
| 802.11ac (VHT80) |                      | 155               | 155            | OFDM                  | BPSK            | 58.5             |

**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.

| Mode    | FREQ. Band (MHz)     | Available Channel | Tested Channel | Modulation Technology | Modulation Type | Data Rate (Mbps) |
|---------|----------------------|-------------------|----------------|-----------------------|-----------------|------------------|
| 802.11a | 5180-5320            | 36 to 64          | 116            | OFDM                  | BPSK            | 6                |
|         | 5500-5580, 5660-5700 | 100 to 140        |                |                       |                 |                  |
|         | 5745-5825            | 149 to 165        |                |                       |                 |                  |

**Antenna Port Conducted 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.

| Mode             | FREQ. Band (MHz)     | Available Channel | Tested Channel | Modulation Technology | Modulation Type | Data Rate (Mbps) |
|------------------|----------------------|-------------------|----------------|-----------------------|-----------------|------------------|
| 802.11a          | 5180-5240            | 36 to 48          | 36, 40, 48     | OFDM                  | BPSK            | 6                |
| 802.11ac (VHT20) |                      | 36 to 48          | 36, 40, 48     | OFDM                  | BPSK            | 13               |
| 802.11ac (VHT40) |                      | 38 to 46          | 38, 46         | OFDM                  | BPSK            | 27               |
| 802.11ac (VHT80) |                      | 42                | 42             | OFDM                  | BPSK            | 58.5             |
| 802.11a          | 5260-5320            | 52 to 64          | 52, 60, 64     | OFDM                  | BPSK            | 6                |
| 802.11ac (VHT20) |                      | 52 to 64          | 52, 60, 64     | OFDM                  | BPSK            | 13               |
| 802.11ac (VHT40) |                      | 54 to 62          | 54, 62         | OFDM                  | BPSK            | 27               |
| 802.11ac (VHT80) |                      | 58                | 58             | OFDM                  | BPSK            | 58.5             |
| 802.11a          | 5500-5580, 5660-5700 | 100 to 140        | 100, 116, 140  | OFDM                  | BPSK            | 6                |
| 802.11ac (VHT20) |                      | 100 to 140        | 100, 116, 140  | OFDM                  | BPSK            | 13               |
| 802.11ac (VHT40) |                      | 102 to 134        | 102, 110, 134  | OFDM                  | BPSK            | 27               |
| 802.11ac (VHT80) |                      | 106               | 106            | OFDM                  | BPSK            | 58.5             |
| 802.11a          | 5745-5825            | 149 to 165        | 149, 157, 165  | OFDM                  | BPSK            | 6                |
| 802.11ac (VHT20) |                      | 149 to 165        | 149, 157, 165  | OFDM                  | BPSK            | 13               |
| 802.11ac (VHT40) |                      | 151 to 159        | 151, 159       | OFDM                  | BPSK            | 27               |
| 802.11ac (VHT80) |                      | 155               | 155            | OFDM                  | BPSK            | 58.5             |

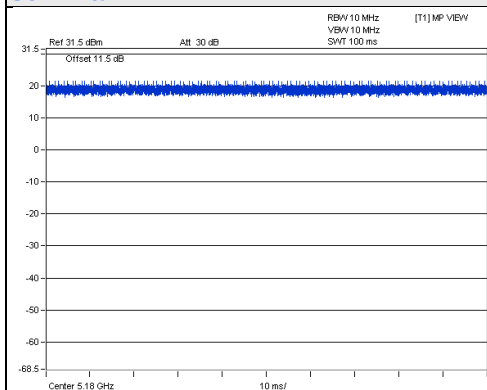
**Test Condition:**

| Applicable To | Environmental Conditions | Input Power  | Tested By     |
|---------------|--------------------------|--------------|---------------|
| RE $\geq$ 1G  | 25deg. C, 72%RH          | 120Vac, 60Hz | Andy Ho       |
| RE<1G         | 26deg. C, 69%RH          | 120Vac, 60Hz | Andy Ho       |
| APCM          | 25deg. C, 60%RH          | 120Vac, 60Hz | Anderson Chen |

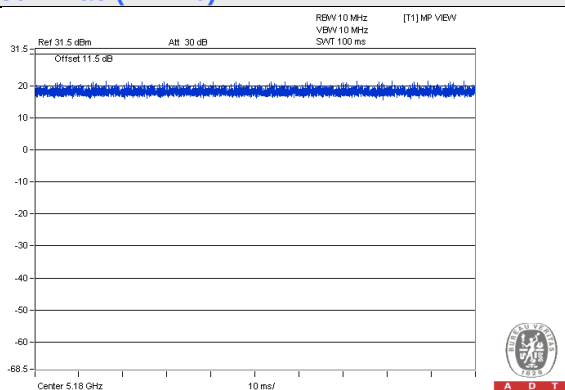
### 3.3 Duty Cycle of Test Signal

Duty cycle of test signal is 100 %, duty factor is not required.

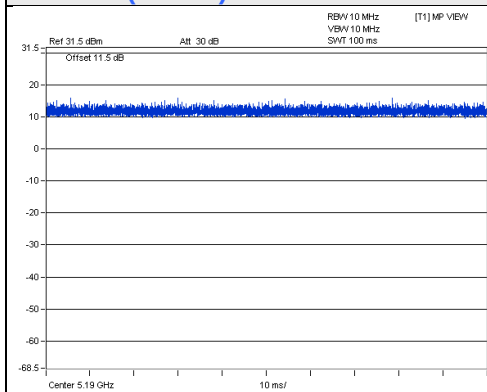
802.11a



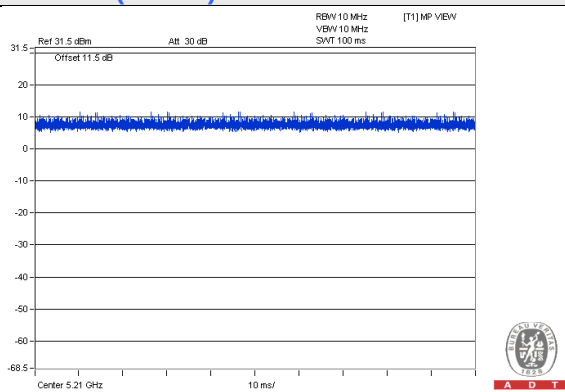
802.11ac (VHT20)



802.11ac (VHT20)



802.11ac (VHT80)



### 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.

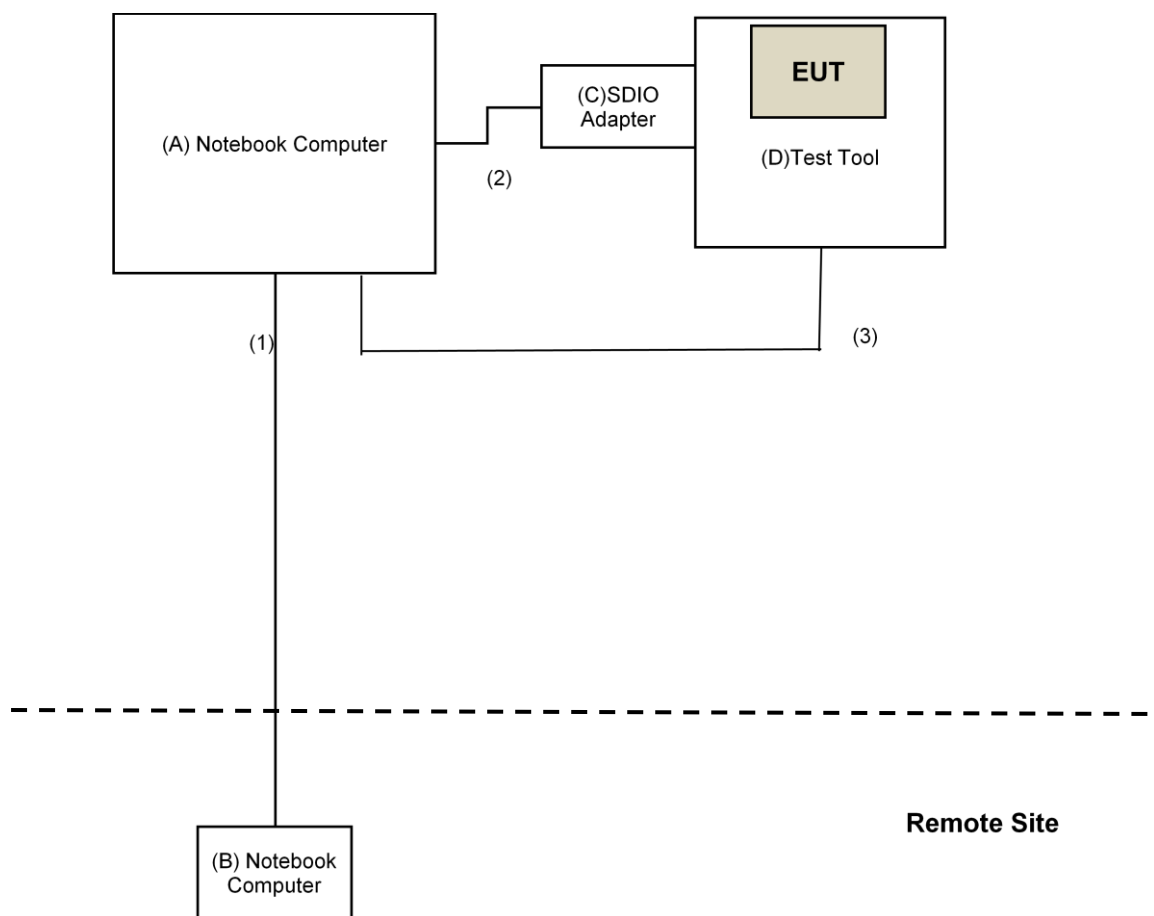
| ID | Product           | Brand     | Model No.  | Serial No.     | FCC ID  | Remarks            |
|----|-------------------|-----------|------------|----------------|---------|--------------------|
| A. | NOTEBOOK COMPUTER | Lenovo    | 769        | L3-BE428 08/01 | NA      | Provided by Lab    |
| B. | NOTEBOOK COMPUTER | DELL      | E6420      | B92T3R1        | FCC DoC | Provided by Lab    |
| C. | SDIO ADAPTER      | AzureWave | CK77 94V-0 | NA             | NA      | Supplied by client |
| D. | TEST TOOLS        | AzureWave | 1280NF I03 | NA             | NA      | Supplied by client |

Note:

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

| ID | Descriptions | Qty. | Length (m) | Shielding (Yes/No) | Cores (Qty.) | Remarks         |
|----|--------------|------|------------|--------------------|--------------|-----------------|
| 1. | RJ45         | 1    | 10         | No                 | 0            | Provided by Lab |
| 2. | USB          | 1    | 1.5        | Yes                | 0            | Provided by Lab |
| 3. | USB          | 1    | 1.8        | Yes                | 0            | Provided by Lab |

### 3.4.1 Configuration of System under Test



### 3.5 General Description of Applied Standard

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

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

**KDB 789033 D02 General UNII Test Procedure New Rules v01r02**

**KDB 662911 D01 Multiple Transmitter Output v02r01**

**ANSI C63.10-2013**

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

## 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 New Rules v01r02                                                                                                                                                                                                                                                                                                                         | FIELD STRENGTH at 3m                                                                                                                |                                                                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                 | PK:74 (dBμV/m)                                                                                                                      | AV:54 (dBμV/m)                                                                                                                          |
| Applicable To                                                                                                                                                                                                                                                                                                                                                                   | EIRP Limit                                                                                                                          | Equivalent Field Strength at 3m                                                                                                         |
| 15.407(b)(1)                                                                                                                                                                                                                                                                                                                                                                    | PK:-27 (dBm/MHz)                                                                                                                    | PK:68.2(dBμV/m)                                                                                                                         |
| 15.407(b)(2)                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                     |                                                                                                                                         |
| 15.407(b)(3)                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                     |                                                                                                                                         |
| 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> |
| 15.407(b)(4)(ii)                                                                                                                                                                                                                                                                                                                                                                | FIELD STRENGTH at 3m / § 15.247(d),                                                                                                 |                                                                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                 | PK:74 (dBμV/m)                                                                                                                      | AV:54 (dBμV/m)                                                                                                                          |
| <sup>*1</sup> beyond 75 MHz or more above of the band edge.<br><sup>*2</sup> below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.<br><sup>*3</sup> below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.<br><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:

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

#### 4.1.2 Test Instruments

| DESCRIPTION & MANUFACTURER              | MODEL NO.                | SERIAL NO.                                | CALIBRATED DATE | CALIBRATED UNTIL |
|-----------------------------------------|--------------------------|-------------------------------------------|-----------------|------------------|
| Test Receiver<br>Agilent                | N9038A                   | MY51210202                                | Dec. 16, 2015   | Dec. 15, 2016    |
| Pre-Amplifier <sup>(*)</sup><br>EMCI    | EMC001340                | 980142                                    | Jan. 20, 2016   | Jan. 19, 2018    |
| Loop Antenna(*)<br>Electro-Metrics      | EM-6879                  | 264                                       | Dec. 16, 2014   | Dec. 15, 2016    |
| RF Cable                                | NA                       | LOOPCAB-001<br>LOOPCAB-002                | Jan. 18, 2016   | Jan. 17, 2017    |
| Pre-Amplifier<br>Mini-Circuits          | ZFL-1000VH2<br>B         | AMP-ZFL-04                                | Nov. 11, 2015   | Nov. 10, 2016    |
| Trilog Broadband Antenna<br>SCHWARZBECK | VULB 9168                | 9168-361                                  | Jan. 07, 2016   | Jan. 06, 2017    |
| RF Cable                                | 8D-FB                    | CHHCAB-001-1<br>CHHCAB-001-2              | Oct. 04, 2015   | Oct. 03, 2016    |
|                                         | RF-141                   | CHHCAB-004                                | Oct. 04, 2015   | Oct. 03, 2016    |
| Horn_Antenna<br>AISI                    | AIH.8018                 | 0000220091110                             | Jan. 18, 2016   | Jan. 17, 2017    |
| Pre-Amplifier<br>Agilent                | 8449B                    | 3008A01923                                | Oct. 27, 2015   | Oct. 26, 2016    |
| RF Cable                                | NA                       | 131206<br>131213<br>131215<br>SNMY23685/4 | Jan. 15, 2016   | Jan. 14, 2017    |
| Spectrum Analyzer<br>Agilent            | E4446A                   | MY48250254                                | Nov. 25, 2015   | Nov. 24, 2016    |
| Pre-Amplifier<br>SPACEK LABS            | SLKKa-48-6               | 9K16                                      | Dec. 11, 2015   | Dec. 10, 2016    |
| Horn_Antenna<br>SCHWARZBECK             | BBHA 9170                | 9170-424                                  | Jan. 18, 2016   | Jan. 17, 2017    |
| RF Cable                                | SUCOFLEX<br>102          | 36442/2<br>36434/2                        | Dec. 10, 2015   | Dec. 09, 2016    |
| Software                                | ADT_Radiated<br>_V8.7.07 | NA                                        | NA              | NA               |
| Antenna Tower & Turn Table<br>CT        | CM100                    | NA                                        | NA              | NA               |
| Boresight Antenna Fixture               | FBA-01                   | FBA-WD02                                  | NA              | NA               |
| Spectrum Analyzer<br>R&S                | FSP40                    | 100060                                    | May 11, 2016    | May 10, 2017     |
| Power meter<br>Anritsu                  | ML2495A                  | 1014008                                   | May 05, 2016    | May 04, 2017     |
| Power sensor<br>Anritsu                 | MA2411B                  | 0917122                                   | May 05, 2016    | May 04, 2017     |

**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 calibration interval of the above test instruments is 24 months and the calibrations are traceable to NML/ROC and NIST/USA.
3. The test was performed in 966 Chamber No. H.
4. The FCC Site Registration No. is 797305.
5. The CANADA Site Registration No. is IC 7450H-3.
6. Tested Date: May 18 to June 06, 2016

**4.1.3 Test Procedure**

- a. The EUT was placed on the top of a rotating table 0.8 meters (for below 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.
- e. 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.
- f. 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.
- g. 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:**

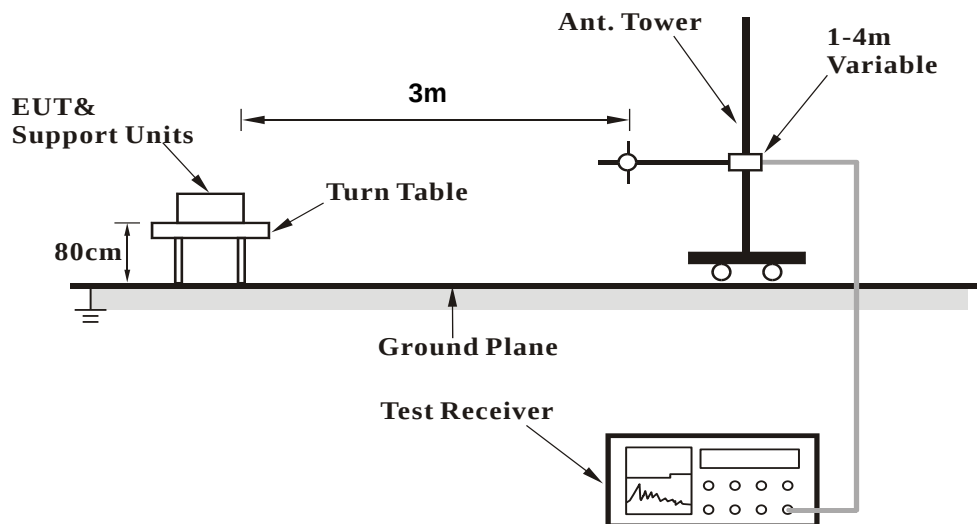
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for RMS Average (Duty cycle < 98%) for Average detection (AV) at frequency above 1GHz, then the measurement results was added to a correction factor (10 log(1/duty cycle)).
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz (Duty cycle ≥ 98%) for Average detection (AV) at frequency above 1GHz.
5. All modes of operation were investigated and the worst-case emissions are reported.

**4.1.4 Deviation from Test Standard**

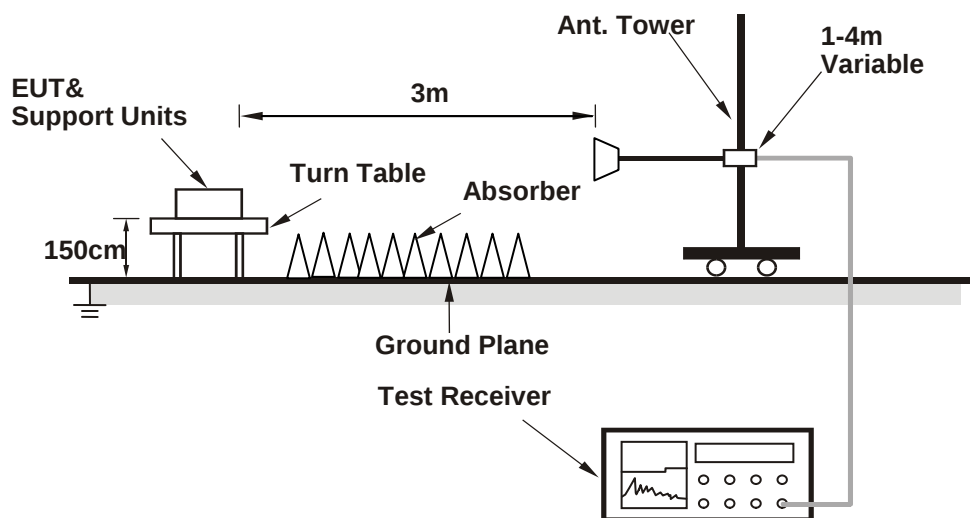
No deviation.

#### 4.1.5 Test Setup

##### <Frequency Range below 1GHz>



##### <Frequency Range above 1GHz>



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

#### 4.1.6 EUT Operating Condition

- a. Connected the EUT with the support unit A (Notebook Computer) which is placed on remote site.
- b. Contorlling software (DutApiMimoBtFmBrdigeEth.exe[ver 2.0.0.47]) has been activated to set the EUT on specific status.

#### 4.1.7 Test Results (Mode 1)

##### Above 1GHz Data :

##### 802.11a

|                        |               |                          |              |
|------------------------|---------------|--------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 36 | <b>DETECTOR FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  |                          | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |             |                         |                |             |                    |                      |                  |                          |
|-----------------------------------------------------|-------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| NO.                                                 | FREQ. (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     | 67.80 PK                | 74.00          | -6.20       | 1.44 H             | 231                  | 61.30            | 6.50                     |
| 2                                                   | 5150.00     | 52.20 AV                | 54.00          | -1.80       | 1.44 H             | 231                  | 45.70            | 6.50                     |
| 3                                                   | *5180.00    | 115.50 PK               |                |             | 1.44 H             | 231                  | 108.80           | 6.70                     |
| 4                                                   | *5180.00    | 105.40 AV               |                |             | 1.44 H             | 231                  | 98.70            | 6.70                     |
| 5                                                   | #10360.00   | 52.10 PK                | 74.00          | -21.90      | 1.82 H             | 63                   | 39.20            | 12.90                    |
| 6                                                   | #10360.00   | 43.00 AV                | 54.00          | -11.00      | 1.82 H             | 63                   | 30.10            | 12.90                    |
| 7                                                   | 15540.00    | 59.80 PK                | 74.00          | -14.20      | 1.68 H             | 216                  | 41.80            | 18.00                    |
| 8                                                   | 15540.00    | 47.40 AV                | 54.00          | -6.60       | 1.68 H             | 216                  | 29.40            | 18.00                    |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |             |                         |                |             |                    |                      |                  |                          |
| NO.                                                 | FREQ. (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     | 62.60 PK                | 74.00          | -11.40      | 1.52 V             | 293                  | 56.10            | 6.50                     |
| 2                                                   | 5150.00     | 48.10 AV                | 54.00          | -5.90       | 1.52 V             | 293                  | 41.60            | 6.50                     |
| 3                                                   | *5180.00    | 112.50 PK               |                |             | 1.52 V             | 293                  | 105.80           | 6.70                     |
| 4                                                   | *5180.00    | 101.30 AV               |                |             | 1.52 V             | 293                  | 94.60            | 6.70                     |
| 5                                                   | #10360.00   | 54.50 PK                | 74.00          | -19.50      | 1.97 V             | 319                  | 41.60            | 12.90                    |
| 6                                                   | #10360.00   | 46.90 AV                | 54.00          | -7.10       | 1.97 V             | 319                  | 34.00            | 12.90                    |
| 7                                                   | 15540.00    | 64.00 PK                | 74.00          | -10.00      | 2.08 V             | 326                  | 46.00            | 18.00                    |
| 8                                                   | 15540.00    | 50.10 AV                | 54.00          | -3.90       | 2.08 V             | 326                  | 32.10            | 18.00                    |

##### 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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                 |               |                      |              |
|-----------------|---------------|----------------------|--------------|
| CHANNEL         | TX Channel 40 | DETECTOR<br>FUNCTION | Peak (PK)    |
| FREQUENCY RANGE | 1GHz ~ 40GHz  |                      | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5200.00       | 117.00 PK                     |                   |                | 1.22 H                   | 249                        | 110.30                 | 6.70                           |
| 2                                                   | *5200.00       | 106.70 AV                     |                   |                | 1.22 H                   | 249                        | 100.00                 | 6.70                           |
| 3                                                   | #10400.00      | 51.60 PK                      | 74.00             | -22.40         | 1.77 H                   | 73                         | 38.70                  | 12.90                          |
| 4                                                   | #10400.00      | 42.50 AV                      | 54.00             | -11.50         | 1.77 H                   | 73                         | 29.60                  | 12.90                          |
| 5                                                   | 15600.00       | 64.20 PK                      | 74.00             | -9.80          | 1.63 H                   | 212                        | 45.90                  | 18.30                          |
| 6                                                   | 15600.00       | 53.00 AV                      | 54.00             | -1.00          | 1.63 H                   | 212                        | 34.70                  | 18.30                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5200.00       | 112.60 PK                     |                   |                | 1.45 V                   | 283                        | 105.90                 | 6.70                           |
| 2                                                   | *5200.00       | 102.70 AV                     |                   |                | 1.45 V                   | 283                        | 96.00                  | 6.70                           |
| 3                                                   | #10400.00      | 54.50 PK                      | 74.00             | -19.50         | 1.95 V                   | 203                        | 41.60                  | 12.90                          |
| 4                                                   | #10400.00      | 47.00 AV                      | 54.00             | -7.00          | 1.95 V                   | 203                        | 34.10                  | 12.90                          |
| 5                                                   | 15600.00       | 65.60 PK                      | 74.00             | -8.40          | 1.82 V                   | 273                        | 47.30                  | 18.30                          |
| 6                                                   | 15600.00       | 52.30 AV                      | 54.00             | -1.70          | 1.82 V                   | 273                        | 34.00                  | 18.30                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 48 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5240.00       | 116.80 PK                     |                   |                | 1.18 H                   | 239                        | 110.10                 | 6.70                           |
| 2                                                   | *5240.00       | 106.80 AV                     |                   |                | 1.18 H                   | 239                        | 100.10                 | 6.70                           |
| 3                                                   | 5350.00        | 58.60 PK                      | 74.00             | -15.40         | 1.18 H                   | 239                        | 51.90                  | 6.70                           |
| 4                                                   | 5350.00        | 46.30 AV                      | 54.00             | -7.70          | 1.18 H                   | 239                        | 39.60                  | 6.70                           |
| 5                                                   | #10480.00      | 51.40 PK                      | 74.00             | -22.60         | 1.82 H                   | 68                         | 38.60                  | 12.80                          |
| 6                                                   | #10480.00      | 42.20 AV                      | 54.00             | -11.80         | 1.82 H                   | 68                         | 29.40                  | 12.80                          |
| 7                                                   | 15720.00       | 65.60 PK                      | 74.00             | -8.40          | 1.30 H                   | 243                        | 47.00                  | 18.60                          |
| 8                                                   | 15720.00       | 53.10 AV                      | 54.00             | -0.90          | 1.30 H                   | 243                        | 34.50                  | 18.60                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5240.00       | 112.50 PK                     |                   |                | 1.50 V                   | 294                        | 105.80                 | 6.70                           |
| 2                                                   | *5240.00       | 102.40 AV                     |                   |                | 1.50 V                   | 294                        | 95.70                  | 6.70                           |
| 3                                                   | 5350.00        | 58.40 PK                      | 74.00             | -15.60         | 1.05 V                   | 294                        | 51.70                  | 6.70                           |
| 4                                                   | 5350.00        | 46.10 AV                      | 54.00             | -7.90          | 1.05 V                   | 294                        | 39.40                  | 6.70                           |
| 5                                                   | #10480.00      | 55.10 PK                      | 74.00             | -18.90         | 1.96 V                   | 197                        | 42.30                  | 12.80                          |
| 6                                                   | #10480.00      | 47.50 AV                      | 54.00             | -6.50          | 1.96 V                   | 197                        | 34.70                  | 12.80                          |
| 7                                                   | 15720.00       | 67.10 PK                      | 74.00             | -6.90          | 1.30 V                   | 52                         | 48.50                  | 18.60                          |
| 8                                                   | 15720.00       | 52.40 AV                      | 54.00             | -1.60          | 1.30 V                   | 52                         | 33.80                  | 18.60                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 52 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5150.00        | 58.50 PK                      | 74.00             | -15.50         | 1.44 H                   | 64                         | 52.00                  | 6.50                           |
| 2                                                   | 5150.00        | 46.20 AV                      | 54.00             | -7.80          | 1.44 H                   | 64                         | 39.70                  | 6.50                           |
| 3                                                   | *5260.00       | 115.60 PK                     |                   |                | 1.44 H                   | 64                         | 108.80                 | 6.80                           |
| 4                                                   | *5260.00       | 105.20 AV                     |                   |                | 1.44 H                   | 64                         | 98.40                  | 6.80                           |
| 5                                                   | #10520.00      | 51.60 PK                      | 74.00             | -22.40         | 1.86 H                   | 71                         | 38.80                  | 12.80                          |
| 6                                                   | #10520.00      | 42.20 AV                      | 54.00             | -11.80         | 1.86 H                   | 71                         | 29.40                  | 12.80                          |
| 7                                                   | 15780.00       | 65.10 PK                      | 74.00             | -8.90          | 1.28 H                   | 231                        | 46.60                  | 18.50                          |
| 8                                                   | 15780.00       | 52.80 AV                      | 54.00             | -1.20          | 1.28 H                   | 231                        | 34.30                  | 18.50                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5150.00        | 59.00 PK                      | 74.00             | -15.00         | 2.13 V                   | 190                        | 52.50                  | 6.50                           |
| 2                                                   | 5150.00        | 46.60 AV                      | 54.00             | -7.40          | 2.13 V                   | 190                        | 40.10                  | 6.50                           |
| 3                                                   | *5260.00       | 112.10 PK                     |                   |                | 2.13 V                   | 190                        | 105.30                 | 6.80                           |
| 4                                                   | *5260.00       | 102.10 AV                     |                   |                | 2.13 V                   | 190                        | 95.30                  | 6.80                           |
| 5                                                   | #10520.00      | 55.00 PK                      | 74.00             | -19.00         | 1.94 V                   | 194                        | 42.20                  | 12.80                          |
| 6                                                   | #10520.00      | 47.30 AV                      | 54.00             | -6.70          | 1.94 V                   | 194                        | 34.50                  | 12.80                          |
| 7                                                   | 15780.00       | 66.60 PK                      | 74.00             | -7.40          | 1.31 V                   | 40                         | 48.10                  | 18.50                          |
| 8                                                   | 15780.00       | 51.90 AV                      | 54.00             | -2.10          | 1.31 V                   | 40                         | 33.40                  | 18.50                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 60 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5300.00       | 114.70 PK                     |                   |                | 1.35 H                   | 63                         | 108.00                 | 6.70                           |
| 2                                                   | *5300.00       | 104.80 AV                     |                   |                | 1.35 H                   | 63                         | 98.10                  | 6.70                           |
| 3                                                   | 10600.00       | 51.00 PK                      | 74.00             | -23.00         | 1.92 H                   | 63                         | 38.20                  | 12.80                          |
| 4                                                   | 10600.00       | 41.70 AV                      | 54.00             | -12.30         | 1.92 H                   | 63                         | 28.90                  | 12.80                          |
| 5                                                   | 15900.00       | 65.40 PK                      | 74.00             | -8.60          | 1.25 H                   | 246                        | 47.00                  | 18.40                          |
| 6                                                   | 15900.00       | 52.90 AV                      | 54.00             | -1.10          | 1.25 H                   | 246                        | 34.50                  | 18.40                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5300.00       | 112.20 PK                     |                   |                | 2.11 V                   | 192                        | 105.50                 | 6.70                           |
| 2                                                   | *5300.00       | 102.40 AV                     |                   |                | 2.11 V                   | 192                        | 95.70                  | 6.70                           |
| 3                                                   | 10600.00       | 54.70 PK                      | 74.00             | -19.30         | 1.89 V                   | 186                        | 41.90                  | 12.80                          |
| 4                                                   | 10600.00       | 46.80 AV                      | 54.00             | -7.20          | 1.89 V                   | 186                        | 34.00                  | 12.80                          |
| 5                                                   | 15900.00       | 66.60 PK                      | 74.00             | -7.40          | 1.29 V                   | 53                         | 48.20                  | 18.40                          |
| 6                                                   | 15900.00       | 52.00 AV                      | 54.00             | -2.00          | 1.29 V                   | 53                         | 33.60                  | 18.40                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 64 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5320.00       | 112.10 PK                     |                   |                | 1.26 H                   | 85                         | 105.40                 | 6.70                           |
| 2                                                   | *5320.00       | 104.30 AV                     |                   |                | 1.26 H                   | 85                         | 97.60                  | 6.70                           |
| 3                                                   | 5350.00        | 63.20 PK                      | 74.00             | -10.80         | 1.26 H                   | 85                         | 56.50                  | 6.70                           |
| 4                                                   | 5350.00        | 51.00 AV                      | 54.00             | -3.00          | 1.26 H                   | 85                         | 44.30                  | 6.70                           |
| 5                                                   | 10640.00       | 50.80 PK                      | 74.00             | -23.20         | 1.87 H                   | 72                         | 38.00                  | 12.80                          |
| 6                                                   | 10640.00       | 41.50 AV                      | 54.00             | -12.50         | 1.87 H                   | 72                         | 28.70                  | 12.80                          |
| 7                                                   | 15960.00       | 64.20 PK                      | 74.00             | -9.80          | 1.27 H                   | 251                        | 45.70                  | 18.50                          |
| 8                                                   | 15960.00       | 51.70 AV                      | 54.00             | -2.30          | 1.27 H                   | 251                        | 33.20                  | 18.50                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5320.00       | 111.80 PK                     |                   |                | 2.17 V                   | 193                        | 105.10                 | 6.70                           |
| 2                                                   | *5320.00       | 101.80 AV                     |                   |                | 2.17 V                   | 193                        | 95.10                  | 6.70                           |
| 3                                                   | 5350.00        | 60.10 PK                      | 74.00             | -13.90         | 2.17 V                   | 193                        | 53.40                  | 6.70                           |
| 4                                                   | 5350.00        | 47.90 AV                      | 54.00             | -6.10          | 2.17 V                   | 193                        | 41.20                  | 6.70                           |
| 5                                                   | 10640.00       | 54.80 PK                      | 74.00             | -19.20         | 1.90 V                   | 176                        | 42.00                  | 12.80                          |
| 6                                                   | 10640.00       | 46.70 AV                      | 54.00             | -7.30          | 1.90 V                   | 176                        | 33.90                  | 12.80                          |
| 7                                                   | 15960.00       | 64.20 PK                      | 74.00             | -9.80          | 1.24 V                   | 54                         | 45.70                  | 18.50                          |
| 8                                                   | 15960.00       | 50.70 AV                      | 54.00             | -3.30          | 1.24 V                   | 54                         | 32.20                  | 18.50                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 100 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5470.00       | 65.50 PK                      | 74.00             | -8.50          | 1.24 H                   | 44                         | 58.60                  | 6.90                           |
| 2                                                   | #5470.00       | 52.20 AV                      | 54.00             | -1.80          | 1.24 H                   | 44                         | 45.30                  | 6.90                           |
| 3                                                   | *5500.00       | 114.10 PK                     |                   |                | 1.24 H                   | 44                         | 107.10                 | 7.00                           |
| 4                                                   | *5500.00       | 106.50 AV                     |                   |                | 1.24 H                   | 44                         | 99.50                  | 7.00                           |
| 5                                                   | 11000.00       | 50.90 PK                      | 74.00             | -23.10         | 1.89 H                   | 58                         | 37.40                  | 13.50                          |
| 6                                                   | 11000.00       | 41.60 AV                      | 54.00             | -12.40         | 1.89 H                   | 58                         | 28.10                  | 13.50                          |
| 7                                                   | #16500.00      | 64.30 PK                      | 74.00             | -9.70          | 1.23 H                   | 261                        | 43.40                  | 20.90                          |
| 8                                                   | #16500.00      | 52.10 AV                      | 54.00             | -1.90          | 1.23 H                   | 261                        | 31.20                  | 20.90                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5470.00       | 60.60 PK                      | 74.00             | -13.40         | 2.16 V                   | 180                        | 53.70                  | 6.90                           |
| 2                                                   | #5470.00       | 48.30 AV                      | 54.00             | -5.70          | 2.16 V                   | 180                        | 41.40                  | 6.90                           |
| 3                                                   | *5500.00       | 111.20 PK                     |                   |                | 2.16 V                   | 180                        | 104.20                 | 7.00                           |
| 4                                                   | *5500.00       | 103.10 AV                     |                   |                | 2.16 V                   | 180                        | 96.10                  | 7.00                           |
| 5                                                   | 11000.00       | 54.70 PK                      | 74.00             | -19.30         | 1.89 V                   | 173                        | 41.20                  | 13.50                          |
| 6                                                   | 11000.00       | 46.80 AV                      | 54.00             | -7.20          | 1.89 V                   | 173                        | 33.30                  | 13.50                          |
| 7                                                   | #16500.00      | 64.40 PK                      | 74.00             | -9.60          | 1.27 V                   | 50                         | 43.50                  | 20.90                          |
| 8                                                   | #16500.00      | 50.70 AV                      | 54.00             | -3.30          | 1.27 V                   | 50                         | 29.80                  | 20.90                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 116 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5580.00       | 114.70 PK                     |                   |                | 1.20 H                   | 33                         | 107.60                 | 7.10                           |
| 2                                                   | *5580.00       | 106.90 AV                     |                   |                | 1.20 H                   | 33                         | 99.80                  | 7.10                           |
| 3                                                   | 11160.00       | 51.50 PK                      | 74.00             | -22.50         | 1.81 H                   | 72                         | 37.90                  | 13.60                          |
| 4                                                   | 11160.00       | 42.30 AV                      | 54.00             | -11.70         | 1.81 H                   | 72                         | 28.70                  | 13.60                          |
| 5                                                   | #16740.00      | 65.30 PK                      | 74.00             | -8.70          | 1.24 H                   | 233                        | 44.00                  | 21.30                          |
| 6                                                   | #16740.00      | 52.90 AV                      | 54.00             | -1.10          | 1.24 H                   | 233                        | 31.60                  | 21.30                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5580.00       | 111.70 PK                     |                   |                | 2.14 V                   | 191                        | 104.60                 | 7.10                           |
| 2                                                   | *5580.00       | 103.40 AV                     |                   |                | 2.14 V                   | 191                        | 96.30                  | 7.10                           |
| 3                                                   | 11160.00       | 52.30 PK                      | 74.00             | -21.70         | 1.66 V                   | 342                        | 38.70                  | 13.60                          |
| 4                                                   | 11160.00       | 40.30 AV                      | 54.00             | -13.70         | 1.66 V                   | 342                        | 26.70                  | 13.60                          |
| 5                                                   | #16740.00      | 64.40 PK                      | 74.00             | -9.60          | 1.74 V                   | 307                        | 43.10                  | 21.30                          |
| 6                                                   | #16740.00      | 50.60 AV                      | 54.00             | -3.40          | 1.74 V                   | 307                        | 29.30                  | 21.30                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                 |                |                      |              |
|-----------------|----------------|----------------------|--------------|
| CHANNEL         | TX Channel 140 | DETECTOR<br>FUNCTION | Peak (PK)    |
| FREQUENCY RANGE | 1GHz ~ 40GHz   |                      | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5700.00       | 114.30 PK                     |                   |                | 1.20 H                   | 67                         | 106.70                 | 7.60                           |
| 2                                                   | *5700.00       | 103.90 AV                     |                   |                | 1.20 H                   | 67                         | 96.30                  | 7.60                           |
| 3                                                   | #5725.00       | 72.10 PK                      | 74.00             | -1.90          | 1.20 H                   | 67                         | 64.40                  | 7.70                           |
| 4                                                   | #5725.00       | 52.50 AV                      | 54.00             | -1.50          | 1.20 H                   | 67                         | 44.80                  | 7.70                           |
| 5                                                   | 11400.00       | 52.40 PK                      | 74.00             | -21.60         | 1.94 H                   | 62                         | 39.10                  | 13.30                          |
| 6                                                   | 11400.00       | 43.20 AV                      | 54.00             | -10.80         | 1.94 H                   | 62                         | 29.90                  | 13.30                          |
| 7                                                   | #17100.00      | 60.80 PK                      | 74.00             | -13.20         | 1.75 H                   | 191                        | 38.50                  | 22.30                          |
| 8                                                   | #17100.00      | 48.30 AV                      | 54.00             | -5.70          | 1.75 H                   | 191                        | 26.00                  | 22.30                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5700.00       | 111.20 PK                     |                   |                | 2.17 V                   | 183                        | 103.60                 | 7.60                           |
| 2                                                   | *5700.00       | 100.80 AV                     |                   |                | 2.17 V                   | 183                        | 93.20                  | 7.60                           |
| 3                                                   | #5725.00       | 59.70 PK                      | 74.00             | -14.30         | 2.17 V                   | 183                        | 52.00                  | 7.70                           |
| 4                                                   | #5725.00       | 47.70 AV                      | 54.00             | -6.30          | 2.17 V                   | 183                        | 40.00                  | 7.70                           |
| 5                                                   | 11400.00       | 55.70 PK                      | 74.00             | -18.30         | 1.93 V                   | 324                        | 42.40                  | 13.30                          |
| 6                                                   | 11400.00       | 47.80 AV                      | 54.00             | -6.20          | 1.93 V                   | 324                        | 34.50                  | 13.30                          |
| 7                                                   | #17100.00      | 64.70 PK                      | 74.00             | -9.30          | 2.12 V                   | 320                        | 42.40                  | 22.30                          |
| 8                                                   | #17100.00      | 50.40 AV                      | 54.00             | -3.60          | 2.12 V                   | 320                        | 28.10                  | 22.30                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 149 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5582.30       | 65.70 PK                      | 68.20             | -2.50          | 1.31 H                   | 56                         | 54.00                  | 11.70                          |
| 2                                                   | *5745.00       | 115.10 PK                     |                   |                | 1.31 H                   | 56                         | 107.40                 | 7.70                           |
| 3                                                   | *5745.00       | 105.30 AV                     |                   |                | 1.31 H                   | 56                         | 97.60                  | 7.70                           |
| 4                                                   | #5993.65       | 66.20 PK                      | 68.20             | -2.00          | 1.31 H                   | 56                         | 54.30                  | 11.90                          |
| 5                                                   | 11490.00       | 51.40 PK                      | 74.00             | -22.60         | 1.82 H                   | 55                         | 38.30                  | 13.10                          |
| 6                                                   | 11490.00       | 42.20 AV                      | 54.00             | -11.80         | 1.82 H                   | 55                         | 29.10                  | 13.10                          |
| 7                                                   | #17235.00      | 61.10 PK                      | 74.00             | -12.90         | 1.67 H                   | 233                        | 38.10                  | 23.00                          |
| 8                                                   | #17235.00      | 48.60 AV                      | 54.00             | -5.40          | 1.67 H                   | 233                        | 25.60                  | 23.00                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5601.80       | 66.60 PK                      | 68.20             | -1.60          | 1.00 V                   | 96                         | 21.60                  | 45.00                          |
| 2                                                   | *5745.00       | 112.10 PK                     |                   |                | 1.00 V                   | 96                         | 104.40                 | 7.70                           |
| 3                                                   | *5745.00       | 102.50 AV                     |                   |                | 1.00 V                   | 96                         | 94.80                  | 7.70                           |
| 4                                                   | #5977.50       | 64.90 PK                      | 68.20             | -3.30          | 1.00 V                   | 96                         | 19.80                  | 45.10                          |
| 5                                                   | 11490.00       | 52.70 PK                      | 74.00             | -21.30         | 1.69 V                   | 321                        | 39.60                  | 13.10                          |
| 6                                                   | 11490.00       | 40.80 AV                      | 54.00             | -13.20         | 1.69 V                   | 321                        | 27.70                  | 13.10                          |
| 7                                                   | #17235.00      | 64.70 PK                      | 74.00             | -9.30          | 1.71 V                   | 307                        | 41.70                  | 23.00                          |
| 8                                                   | #17235.00      | 50.80 AV                      | 54.00             | -3.20          | 1.71 V                   | 307                        | 27.80                  | 23.00                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 157 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5569.00       | 64.90 PK                      | 68.20             | -3.30          | 1.35 H                   | 61                         | 53.20                  | 11.70                          |
| 2                                                   | *5785.00       | 115.30 PK                     |                   |                | 1.35 H                   | 61                         | 107.50                 | 7.80                           |
| 3                                                   | *5785.00       | 105.60 AV                     |                   |                | 1.35 H                   | 61                         | 97.80                  | 7.80                           |
| 4                                                   | #5982.25       | 65.40 PK                      | 68.20             | -2.80          | 1.35 H                   | 61                         | 53.60                  | 11.80                          |
| 5                                                   | 11570.00       | 51.40 PK                      | 74.00             | -22.60         | 1.93 H                   | 47                         | 38.10                  | 13.30                          |
| 6                                                   | 11570.00       | 42.10 AV                      | 54.00             | -11.90         | 1.93 H                   | 47                         | 28.80                  | 13.30                          |
| 7                                                   | #17355.00      | 60.50 PK                      | 74.00             | -13.50         | 1.65 H                   | 223                        | 37.40                  | 23.10                          |
| 8                                                   | #17355.00      | 48.20 AV                      | 54.00             | -5.80          | 1.65 H                   | 223                        | 25.10                  | 23.10                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5630.20       | 66.00 PK                      | 68.20             | -2.20          | 1.04 V                   | 105                        | 21.10                  | 44.90                          |
| 2                                                   | *5785.00       | 112.80 PK                     |                   |                | 1.04 V                   | 105                        | 105.00                 | 7.80                           |
| 3                                                   | *5785.00       | 102.90 AV                     |                   |                | 1.04 V                   | 105                        | 95.10                  | 7.80                           |
| 4                                                   | #5977.50       | 64.50 PK                      | 68.20             | -3.70          | 1.04 V                   | 105                        | 19.40                  | 45.10                          |
| 5                                                   | 11570.00       | 52.00 PK                      | 74.00             | -22.00         | 1.69 V                   | 318                        | 38.70                  | 13.30                          |
| 6                                                   | 11570.00       | 40.10 AV                      | 54.00             | -13.90         | 1.69 V                   | 318                        | 26.80                  | 13.30                          |
| 7                                                   | #17355.00      | 63.50 PK                      | 74.00             | -10.50         | 1.72 V                   | 312                        | 40.40                  | 23.10                          |
| 8                                                   | #17355.00      | 50.20 AV                      | 54.00             | -3.80          | 1.72 V                   | 312                        | 27.10                  | 23.10                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 165 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5569.00       | 65.50 PK                      | 68.20             | -2.70          | 1.37 H                   | 71                         | 53.80                  | 11.70                          |
| 2                                                   | *5825.00       | 115.30 PK                     |                   |                | 1.37 H                   | 71                         | 107.60                 | 7.70                           |
| 3                                                   | *5825.00       | 105.30 AV                     |                   |                | 1.37 H                   | 71                         | 97.60                  | 7.70                           |
| 4                                                   | #6015.50       | 66.50 PK                      | 68.20             | -1.70          | 1.37 H                   | 71                         | 54.50                  | 12.00                          |
| 5                                                   | 11650.00       | 52.00 PK                      | 74.00             | -22.00         | 1.83 H                   | 71                         | 38.80                  | 13.20                          |
| 6                                                   | 11650.00       | 42.70 AV                      | 54.00             | -11.30         | 1.83 H                   | 71                         | 29.50                  | 13.20                          |
| 7                                                   | #17475.00      | 60.90 PK                      | 74.00             | -13.10         | 1.69 H                   | 215                        | 37.80                  | 23.10                          |
| 8                                                   | #17475.00      | 48.40 AV                      | 54.00             | -5.60          | 1.69 H                   | 215                        | 25.30                  | 23.10                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5609.80       | 66.50 PK                      | 68.20             | -1.70          | 1.00 V                   | 111                        | 21.60                  | 44.90                          |
| 2                                                   | *5825.00       | 112.60 PK                     |                   |                | 1.00 V                   | 111                        | 104.90                 | 7.70                           |
| 3                                                   | *5825.00       | 102.90 AV                     |                   |                | 1.00 V                   | 111                        | 95.20                  | 7.70                           |
| 4                                                   | #5945.60       | 64.70 PK                      | 68.20             | -3.50          | 1.00 V                   | 111                        | 19.80                  | 44.90                          |
| 5                                                   | 11650.00       | 52.30 PK                      | 74.00             | -21.70         | 1.65 V                   | 335                        | 39.10                  | 13.20                          |
| 6                                                   | 11650.00       | 40.40 AV                      | 54.00             | -13.60         | 1.65 V                   | 335                        | 27.20                  | 13.20                          |
| 7                                                   | #17475.00      | 64.30 PK                      | 74.00             | -9.70          | 1.82 V                   | 303                        | 41.20                  | 23.10                          |
| 8                                                   | #17475.00      | 50.90 AV                      | 54.00             | -3.10          | 1.82 V                   | 303                        | 27.80                  | 23.10                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

# 802.11ac (VHT20)

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 36 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5150.00        | 64.60 PK                      | 74.00             | -9.40          | 1.42 H                   | 233                        | 58.10                  | 6.50                           |
| 2                                                   | 5150.00        | 52.80 AV                      | 54.00             | -1.20          | 1.42 H                   | 233                        | 46.30                  | 6.50                           |
| 3                                                   | *5180.00       | 112.50 PK                     |                   |                | 1.42 H                   | 233                        | 105.80                 | 6.70                           |
| 4                                                   | *5180.00       | 101.70 AV                     |                   |                | 1.42 H                   | 233                        | 95.00                  | 6.70                           |
| 5                                                   | #10360.00      | 53.40 PK                      | 74.00             | -20.60         | 1.90 H                   | 69                         | 40.50                  | 12.90                          |
| 6                                                   | #10360.00      | 43.90 AV                      | 54.00             | -10.10         | 1.90 H                   | 69                         | 31.00                  | 12.90                          |
| 7                                                   | 15540.00       | 60.80 PK                      | 74.00             | -13.20         | 1.80 H                   | 201                        | 42.80                  | 18.00                          |
| 8                                                   | 15540.00       | 48.10 AV                      | 54.00             | -5.90          | 1.80 H                   | 201                        | 30.10                  | 18.00                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5150.00        | 60.50 PK                      | 74.00             | -13.50         | 1.25 V                   | 211                        | 54.00                  | 6.50                           |
| 2                                                   | 5150.00        | 47.80 AV                      | 54.00             | -6.20          | 1.25 V                   | 211                        | 41.30                  | 6.50                           |
| 3                                                   | *5180.00       | 109.50 PK                     |                   |                | 1.25 V                   | 211                        | 102.80                 | 6.70                           |
| 4                                                   | *5180.00       | 98.80 AV                      |                   |                | 1.25 V                   | 211                        | 92.10                  | 6.70                           |
| 5                                                   | #10360.00      | 55.20 PK                      | 74.00             | -18.80         | 1.99 V                   | 305                        | 42.30                  | 12.90                          |
| 6                                                   | #10360.00      | 47.50 AV                      | 54.00             | -6.50          | 1.99 V                   | 305                        | 34.60                  | 12.90                          |
| 7                                                   | 15540.00       | 64.20 PK                      | 74.00             | -9.80          | 2.07 V                   | 313                        | 46.20                  | 18.00                          |
| 8                                                   | 15540.00       | 50.10 AV                      | 54.00             | -3.90          | 2.07 V                   | 313                        | 32.10                  | 18.00                          |

## REMARKS:

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

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 40 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5200.00       | 114.50 PK                     |                   |                | 1.25 H                   | 241                        | 107.80                 | 6.70                           |
| 2                                                   | *5200.00       | 103.80 AV                     |                   |                | 1.25 H                   | 241                        | 97.10                  | 6.70                           |
| 3                                                   | #10400.00      | 52.10 PK                      | 74.00             | -21.90         | 1.77 H                   | 74                         | 39.20                  | 12.90                          |
| 4                                                   | #10400.00      | 42.80 AV                      | 54.00             | -11.20         | 1.77 H                   | 74                         | 29.90                  | 12.90                          |
| 5                                                   | 15600.00       | 64.70 PK                      | 74.00             | -9.30          | 1.63 H                   | 208                        | 46.40                  | 18.30                          |
| 6                                                   | 15600.00       | 53.20 AV                      | 54.00             | -0.80          | 1.63 H                   | 208                        | 34.90                  | 18.30                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5200.00       | 112.40 PK                     |                   |                | 1.49 V                   | 272                        | 105.70                 | 6.70                           |
| 2                                                   | *5200.00       | 101.70 AV                     |                   |                | 1.49 V                   | 272                        | 95.00                  | 6.70                           |
| 3                                                   | #10400.00      | 54.60 PK                      | 74.00             | -19.40         | 1.90 V                   | 192                        | 41.70                  | 12.90                          |
| 4                                                   | #10400.00      | 47.10 AV                      | 54.00             | -6.90          | 1.90 V                   | 192                        | 34.20                  | 12.90                          |
| 5                                                   | 15600.00       | 65.90 PK                      | 74.00             | -8.10          | 1.86 V                   | 279                        | 47.60                  | 18.30                          |
| 6                                                   | 15600.00       | 52.60 AV                      | 54.00             | -1.40          | 1.86 V                   | 279                        | 34.30                  | 18.30                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 48 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5240.00       | 112.50 PK                     |                   |                | 1.46 H                   | 232                        | 105.80                 | 6.70                           |
| 2                                                   | *5240.00       | 102.00 AV                     |                   |                | 1.46 H                   | 232                        | 95.30                  | 6.70                           |
| 3                                                   | 5350.00        | 55.40 PK                      | 74.00             | -18.60         | 1.46 H                   | 232                        | 48.70                  | 6.70                           |
| 4                                                   | 5350.00        | 43.20 AV                      | 54.00             | -10.80         | 1.46 H                   | 232                        | 36.50                  | 6.70                           |
| 5                                                   | #10480.00      | 51.60 PK                      | 74.00             | -22.40         | 1.81 H                   | 76                         | 38.80                  | 12.80                          |
| 6                                                   | #10480.00      | 42.50 AV                      | 54.00             | -11.50         | 1.81 H                   | 76                         | 29.70                  | 12.80                          |
| 7                                                   | 15720.00       | 64.30 PK                      | 74.00             | -9.70          | 1.66 H                   | 202                        | 45.70                  | 18.60                          |
| 8                                                   | 15720.00       | 53.00 AV                      | 54.00             | -1.00          | 1.66 H                   | 202                        | 34.40                  | 18.60                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5240.00       | 110.50 PK                     |                   |                | 2.19 V                   | 197                        | 103.80                 | 6.70                           |
| 2                                                   | *5240.00       | 100.30 AV                     |                   |                | 2.19 V                   | 197                        | 93.60                  | 6.70                           |
| 3                                                   | 5350.00        | 50.40 PK                      | 74.00             | -23.60         | 2.19 V                   | 197                        | 43.70                  | 6.70                           |
| 4                                                   | 5350.00        | 40.10 AV                      | 54.00             | -13.90         | 2.19 V                   | 197                        | 33.40                  | 6.70                           |
| 5                                                   | #10480.00      | 54.70 PK                      | 74.00             | -19.30         | 1.94 V                   | 208                        | 41.90                  | 12.80                          |
| 6                                                   | #10480.00      | 47.00 AV                      | 54.00             | -7.00          | 1.94 V                   | 208                        | 34.20                  | 12.80                          |
| 7                                                   | 15720.00       | 65.90 PK                      | 74.00             | -8.10          | 1.83 V                   | 282                        | 47.30                  | 18.60                          |
| 8                                                   | 15720.00       | 52.90 AV                      | 54.00             | -1.10          | 1.83 V                   | 282                        | 34.30                  | 18.60                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 52 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5260.00       | 115.30 PK                     |                   |                | 1.40 H                   | 65                         | 108.50                 | 6.80                           |
| 2                                                   | *5260.00       | 105.20 AV                     |                   |                | 1.40 H                   | 65                         | 98.40                  | 6.80                           |
| 3                                                   | #10520.00      | 51.00 PK                      | 74.00             | -23.00         | 1.77 H                   | 71                         | 38.20                  | 12.80                          |
| 4                                                   | #10520.00      | 42.00 AV                      | 54.00             | -12.00         | 1.77 H                   | 71                         | 29.20                  | 12.80                          |
| 5                                                   | 15780.00       | 64.90 PK                      | 74.00             | -9.10          | 1.63 H                   | 195                        | 46.40                  | 18.50                          |
| 6                                                   | 15780.00       | 52.80 AV                      | 54.00             | -1.20          | 1.63 H                   | 195                        | 34.30                  | 18.50                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5260.00       | 110.90 PK                     |                   |                | 2.08 V                   | 185                        | 104.10                 | 6.80                           |
| 2                                                   | *5260.00       | 100.80 AV                     |                   |                | 2.08 V                   | 185                        | 94.00                  | 6.80                           |
| 3                                                   | #10520.00      | 54.80 PK                      | 74.00             | -19.20         | 1.99 V                   | 204                        | 42.00                  | 12.80                          |
| 4                                                   | #10520.00      | 47.30 AV                      | 54.00             | -6.70          | 1.99 V                   | 204                        | 34.50                  | 12.80                          |
| 5                                                   | 15780.00       | 66.10 PK                      | 74.00             | -7.90          | 1.84 V                   | 282                        | 47.60                  | 18.50                          |
| 6                                                   | 15780.00       | 50.90 AV                      | 54.00             | -3.10          | 1.84 V                   | 282                        | 32.40                  | 18.50                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 60 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5300.00       | 115.10 PK                     |                   |                | 1.38 H                   | 53                         | 108.40                 | 6.70                           |
| 2                                                   | *5300.00       | 105.20 AV                     |                   |                | 1.38 H                   | 53                         | 98.50                  | 6.70                           |
| 3                                                   | 10600.00       | 51.40 PK                      | 74.00             | -22.60         | 1.72 H                   | 63                         | 38.60                  | 12.80                          |
| 4                                                   | 10600.00       | 42.50 AV                      | 54.00             | -11.50         | 1.72 H                   | 63                         | 29.70                  | 12.80                          |
| 5                                                   | 15900.00       | 64.20 PK                      | 74.00             | -9.80          | 1.62 H                   | 196                        | 45.80                  | 18.40                          |
| 6                                                   | 15900.00       | 52.40 AV                      | 54.00             | -1.60          | 1.62 H                   | 196                        | 34.00                  | 18.40                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5300.00       | 110.70 PK                     |                   |                | 2.03 V                   | 186                        | 104.00                 | 6.70                           |
| 2                                                   | *5300.00       | 100.80 AV                     |                   |                | 2.03 V                   | 186                        | 94.10                  | 6.70                           |
| 3                                                   | 10600.00       | 54.80 PK                      | 74.00             | -19.20         | 2.00 V                   | 216                        | 42.00                  | 12.80                          |
| 4                                                   | 10600.00       | 47.60 AV                      | 54.00             | -6.40          | 2.00 V                   | 216                        | 34.80                  | 12.80                          |
| 5                                                   | 15900.00       | 66.30 PK                      | 74.00             | -7.70          | 1.83 V                   | 295                        | 47.90                  | 18.40                          |
| 6                                                   | 15900.00       | 51.10 AV                      | 54.00             | -2.90          | 1.83 V                   | 295                        | 32.70                  | 18.40                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 64 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5320.00       | 112.80 PK                     |                   |                | 1.27 H                   | 57                         | 106.10                 | 6.70                           |
| 2                                                   | *5320.00       | 103.70 AV                     |                   |                | 1.27 H                   | 57                         | 97.00                  | 6.70                           |
| 3                                                   | 5350.00        | 70.60 PK                      | 74.00             | -3.40          | 1.27 H                   | 57                         | 63.90                  | 6.70                           |
| 4                                                   | 5350.00        | 53.00 AV                      | 54.00             | -1.00          | 1.27 H                   | 57                         | 46.30                  | 6.70                           |
| 5                                                   | 10640.00       | 50.90 PK                      | 74.00             | -23.10         | 1.91 H                   | 85                         | 38.10                  | 12.80                          |
| 6                                                   | 10640.00       | 41.70 AV                      | 54.00             | -12.30         | 1.91 H                   | 85                         | 28.90                  | 12.80                          |
| 7                                                   | 15960.00       | 64.20 PK                      | 74.00             | -9.80          | 1.22 H                   | 254                        | 45.70                  | 18.50                          |
| 8                                                   | 15960.00       | 51.40 AV                      | 54.00             | -2.60          | 1.22 H                   | 254                        | 32.90                  | 18.50                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5320.00       | 109.80 PK                     |                   |                | 2.06 V                   | 192                        | 103.10                 | 6.70                           |
| 2                                                   | *5320.00       | 100.10 AV                     |                   |                | 2.06 V                   | 192                        | 93.40                  | 6.70                           |
| 3                                                   | 5350.00        | 67.90 PK                      | 74.00             | -6.10          | 2.06 V                   | 192                        | 61.20                  | 6.70                           |
| 4                                                   | 5350.00        | 49.70 AV                      | 54.00             | -4.30          | 2.06 V                   | 192                        | 43.00                  | 6.70                           |
| 5                                                   | 10640.00       | 55.00 PK                      | 74.00             | -19.00         | 1.94 V                   | 171                        | 42.20                  | 12.80                          |
| 6                                                   | 10640.00       | 46.90 AV                      | 54.00             | -7.10          | 1.94 V                   | 171                        | 34.10                  | 12.80                          |
| 7                                                   | 15960.00       | 63.40 PK                      | 74.00             | -10.60         | 1.25 V                   | 46                         | 44.90                  | 18.50                          |
| 8                                                   | 15960.00       | 50.20 AV                      | 54.00             | -3.80          | 1.25 V                   | 46                         | 31.70                  | 18.50                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 100 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5470.00       | 67.40 PK                      | 74.00             | -6.60          | 1.27 H                   | 62                         | 60.50                  | 6.90                           |
| 2                                                   | #5470.00       | 52.20 AV                      | 54.00             | -1.80          | 1.27 H                   | 62                         | 45.30                  | 6.90                           |
| 3                                                   | *5500.00       | 113.10 PK                     |                   |                | 1.27 H                   | 62                         | 106.10                 | 7.00                           |
| 4                                                   | *5500.00       | 104.10 AV                     |                   |                | 1.27 H                   | 62                         | 97.10                  | 7.00                           |
| 5                                                   | 11000.00       | 50.80 PK                      | 74.00             | -23.20         | 1.97 H                   | 91                         | 37.30                  | 13.50                          |
| 6                                                   | 11000.00       | 41.70 AV                      | 54.00             | -12.30         | 1.97 H                   | 91                         | 28.20                  | 13.50                          |
| 7                                                   | #16500.00      | 64.40 PK                      | 74.00             | -9.60          | 1.25 H                   | 251                        | 43.50                  | 20.90                          |
| 8                                                   | #16500.00      | 51.70 AV                      | 54.00             | -2.30          | 1.25 H                   | 251                        | 30.80                  | 20.90                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5470.00       | 61.50 PK                      | 74.00             | -12.50         | 2.00 V                   | 199                        | 54.60                  | 6.90                           |
| 2                                                   | #5470.00       | 48.90 AV                      | 54.00             | -5.10          | 2.00 V                   | 199                        | 42.00                  | 6.90                           |
| 3                                                   | *5500.00       | 110.10 PK                     |                   |                | 2.00 V                   | 199                        | 103.10                 | 7.00                           |
| 4                                                   | *5500.00       | 101.60 AV                     |                   |                | 2.00 V                   | 199                        | 94.60                  | 7.00                           |
| 5                                                   | 11000.00       | 55.60 PK                      | 74.00             | -18.40         | 1.92 V                   | 185                        | 42.10                  | 13.50                          |
| 6                                                   | 11000.00       | 47.30 AV                      | 54.00             | -6.70          | 1.92 V                   | 185                        | 33.80                  | 13.50                          |
| 7                                                   | #16500.00      | 63.20 PK                      | 74.00             | -10.80         | 1.22 V                   | 51                         | 42.30                  | 20.90                          |
| 8                                                   | #16500.00      | 49.80 AV                      | 54.00             | -4.20          | 1.22 V                   | 51                         | 28.90                  | 20.90                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 116 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5580.00       | 115.80 PK                     |                   |                | 1.27 H                   | 62                         | 108.70                 | 7.10                           |
| 2                                                   | *5580.00       | 106.60 AV                     |                   |                | 1.27 H                   | 62                         | 99.50                  | 7.10                           |
| 3                                                   | 11160.00       | 51.80 PK                      | 74.00             | -22.20         | 1.81 H                   | 64                         | 38.20                  | 13.60                          |
| 4                                                   | 11160.00       | 42.70 AV                      | 54.00             | -11.30         | 1.81 H                   | 64                         | 29.10                  | 13.60                          |
| 5                                                   | #16740.00      | 64.80 PK                      | 74.00             | -9.20          | 1.20 H                   | 226                        | 43.50                  | 21.30                          |
| 6                                                   | #16740.00      | 52.60 AV                      | 54.00             | -1.40          | 1.20 H                   | 226                        | 31.30                  | 21.30                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5580.00       | 112.10 PK                     |                   |                | 2.08 V                   | 192                        | 105.00                 | 7.10                           |
| 2                                                   | *5580.00       | 103.70 AV                     |                   |                | 2.08 V                   | 192                        | 96.60                  | 7.10                           |
| 3                                                   | 11160.00       | 52.10 PK                      | 74.00             | -21.90         | 1.61 V                   | 348                        | 38.50                  | 13.60                          |
| 4                                                   | 11160.00       | 40.20 AV                      | 54.00             | -13.80         | 1.61 V                   | 348                        | 26.60                  | 13.60                          |
| 5                                                   | #16740.00      | 64.60 PK                      | 74.00             | -9.40          | 1.77 V                   | 298                        | 43.30                  | 21.30                          |
| 6                                                   | #16740.00      | 50.80 AV                      | 54.00             | -3.20          | 1.77 V                   | 298                        | 29.50                  | 21.30                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 140 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5700.00       | 112.80 PK                     |                   |                | 1.28 H                   | 68                         | 105.20                 | 7.60                           |
| 2                                                   | *5700.00       | 103.10 AV                     |                   |                | 1.28 H                   | 68                         | 95.50                  | 7.60                           |
| 3                                                   | #5725.00       | 67.10 PK                      | 74.00             | -6.90          | 1.28 H                   | 68                         | 59.40                  | 7.70                           |
| 4                                                   | #5725.00       | 50.10 AV                      | 54.00             | -3.90          | 1.28 H                   | 68                         | 42.40                  | 7.70                           |
| 5                                                   | 11400.00       | 50.40 PK                      | 74.00             | -23.60         | 1.95 H                   | 96                         | 37.10                  | 13.30                          |
| 6                                                   | 11400.00       | 41.60 AV                      | 54.00             | -12.40         | 1.95 H                   | 96                         | 28.30                  | 13.30                          |
| 7                                                   | #17100.00      | 63.80 PK                      | 74.00             | -10.20         | 1.29 H                   | 247                        | 41.50                  | 22.30                          |
| 8                                                   | #17100.00      | 51.20 AV                      | 54.00             | -2.80          | 1.29 H                   | 247                        | 28.90                  | 22.30                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5700.00       | 109.70 PK                     |                   |                | 2.01 V                   | 200                        | 102.10                 | 7.60                           |
| 2                                                   | *5700.00       | 100.00 AV                     |                   |                | 2.01 V                   | 200                        | 92.40                  | 7.60                           |
| 3                                                   | #5725.00       | 66.70 PK                      | 74.00             | -7.30          | 2.01 V                   | 200                        | 59.00                  | 7.70                           |
| 4                                                   | #5725.00       | 48.70 AV                      | 54.00             | -5.30          | 2.01 V                   | 200                        | 41.00                  | 7.70                           |
| 5                                                   | 11400.00       | 55.20 PK                      | 74.00             | -18.80         | 1.88 V                   | 325                        | 41.90                  | 13.30                          |
| 6                                                   | 11400.00       | 47.50 AV                      | 54.00             | -6.50          | 1.88 V                   | 325                        | 34.20                  | 13.30                          |
| 7                                                   | #17100.00      | 64.50 PK                      | 74.00             | -9.50          | 2.08 V                   | 331                        | 42.20                  | 22.30                          |
| 8                                                   | #17100.00      | 50.30 AV                      | 54.00             | -3.70          | 2.08 V                   | 331                        | 28.00                  | 22.30                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 149 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5611.70       | 66.30 PK                      | 68.20             | -1.90          | 1.42 H                   | 80                         | 21.40                  | 44.90                          |
| 2                                                   | *5745.00       | 115.20 PK                     |                   |                | 1.42 H                   | 80                         | 107.50                 | 7.70                           |
| 3                                                   | *5745.00       | 105.10 AV                     |                   |                | 1.42 H                   | 80                         | 97.40                  | 7.70                           |
| 4                                                   | #5952.20       | 64.60 PK                      | 68.20             | -3.60          | 1.42 H                   | 80                         | 19.70                  | 44.90                          |
| 5                                                   | 11490.00       | 51.50 PK                      | 74.00             | -22.50         | 1.79 H                   | 55                         | 38.40                  | 13.10                          |
| 6                                                   | 11490.00       | 42.00 AV                      | 54.00             | -12.00         | 1.79 H                   | 55                         | 28.90                  | 13.10                          |
| 7                                                   | #17235.00      | 61.50 PK                      | 74.00             | -12.50         | 1.63 H                   | 230                        | 38.50                  | 23.00                          |
| 8                                                   | #17235.00      | 48.70 AV                      | 54.00             | -5.30          | 1.63 H                   | 230                        | 25.70                  | 23.00                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5641.80       | 66.70 PK                      | 68.20             | -1.50          | 1.00 V                   | 109                        | 21.80                  | 44.90                          |
| 2                                                   | *5745.00       | 112.10 PK                     |                   |                | 1.00 V                   | 109                        | 104.40                 | 7.70                           |
| 3                                                   | *5745.00       | 102.30 AV                     |                   |                | 1.00 V                   | 109                        | 94.60                  | 7.70                           |
| 4                                                   | #5961.30       | 64.70 PK                      | 68.20             | -3.50          | 1.00 V                   | 109                        | 19.70                  | 45.00                          |
| 5                                                   | 11490.00       | 52.80 PK                      | 74.00             | -21.20         | 1.71 V                   | 319                        | 39.70                  | 13.10                          |
| 6                                                   | 11490.00       | 40.90 AV                      | 54.00             | -13.10         | 1.71 V                   | 319                        | 27.80                  | 13.10                          |
| 7                                                   | #17235.00      | 64.70 PK                      | 74.00             | -9.30          | 1.67 V                   | 299                        | 41.70                  | 23.00                          |
| 8                                                   | #17235.00      | 50.50 AV                      | 54.00             | -3.50          | 1.67 V                   | 299                        | 27.50                  | 23.00                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 157 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5614.60       | 66.10 PK                      | 68.20             | -2.10          | 1.37 H                   | 85                         | 21.20                  | 44.90                          |
| 2                                                   | *5785.00       | 115.30 PK                     |                   |                | 1.37 H                   | 85                         | 107.50                 | 7.80                           |
| 3                                                   | *5785.00       | 105.50 AV                     |                   |                | 1.37 H                   | 85                         | 97.70                  | 7.80                           |
| 4                                                   | #5960.40       | 65.20 PK                      | 68.20             | -3.00          | 1.37 H                   | 85                         | 20.20                  | 45.00                          |
| 5                                                   | 11570.00       | 51.60 PK                      | 74.00             | -22.40         | 1.87 H                   | 51                         | 38.30                  | 13.30                          |
| 6                                                   | 11570.00       | 42.60 AV                      | 54.00             | -11.40         | 1.87 H                   | 51                         | 29.30                  | 13.30                          |
| 7                                                   | #17355.00      | 61.30 PK                      | 74.00             | -12.70         | 1.62 H                   | 242                        | 38.20                  | 23.10                          |
| 8                                                   | #17355.00      | 48.60 AV                      | 54.00             | -5.40          | 1.62 H                   | 242                        | 25.50                  | 23.10                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5652.60       | 66.40 PK                      | 70.10             | -3.70          | 1.00 V                   | 95                         | 21.50                  | 44.90                          |
| 2                                                   | *5785.00       | 112.10 PK                     |                   |                | 1.00 V                   | 95                         | 104.30                 | 7.80                           |
| 3                                                   | *5785.00       | 102.70 AV                     |                   |                | 1.00 V                   | 95                         | 94.90                  | 7.80                           |
| 4                                                   | #5969.40       | 65.50 PK                      | 68.20             | -2.70          | 1.00 V                   | 95                         | 20.40                  | 45.10                          |
| 5                                                   | 11570.00       | 52.80 PK                      | 74.00             | -21.20         | 1.66 V                   | 317                        | 39.50                  | 13.30                          |
| 6                                                   | 11570.00       | 40.80 AV                      | 54.00             | -13.20         | 1.66 V                   | 317                        | 27.50                  | 13.30                          |
| 7                                                   | #17355.00      | 64.60 PK                      | 74.00             | -9.40          | 1.68 V                   | 300                        | 41.50                  | 23.10                          |
| 8                                                   | #17355.00      | 50.50 AV                      | 54.00             | -3.50          | 1.68 V                   | 300                        | 27.40                  | 23.10                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 165 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5604.10       | 66.30 PK                      | 68.20             | -1.90          | 1.38 H                   | 59                         | 21.40                  | 44.90                          |
| 2                                                   | *5825.00       | 115.70 PK                     |                   |                | 1.38 H                   | 59                         | 108.00                 | 7.70                           |
| 3                                                   | *5825.00       | 105.80 AV                     |                   |                | 1.38 H                   | 59                         | 98.10                  | 7.70                           |
| 4                                                   | #5952.80       | 65.00 PK                      | 68.20             | -3.20          | 1.38 H                   | 59                         | 20.10                  | 44.90                          |
| 5                                                   | 11650.00       | 51.70 PK                      | 74.00             | -22.30         | 1.79 H                   | 70                         | 38.50                  | 13.20                          |
| 6                                                   | 11650.00       | 42.40 AV                      | 54.00             | -11.60         | 1.79 H                   | 70                         | 29.20                  | 13.20                          |
| 7                                                   | #17475.00      | 61.50 PK                      | 74.00             | -12.50         | 1.71 H                   | 241                        | 38.40                  | 23.10                          |
| 8                                                   | #17475.00      | 48.70 AV                      | 54.00             | -5.30          | 1.71 H                   | 241                        | 25.60                  | 23.10                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5633.10       | 66.40 PK                      | 68.20             | -1.80          | 1.01 V                   | 97                         | 21.50                  | 44.90                          |
| 2                                                   | *5825.00       | 112.20 PK                     |                   |                | 1.01 V                   | 97                         | 104.50                 | 7.70                           |
| 3                                                   | *5825.00       | 102.50 AV                     |                   |                | 1.01 V                   | 97                         | 94.80                  | 7.70                           |
| 4                                                   | #5943.30       | 65.10 PK                      | 68.20             | -3.10          | 1.01 V                   | 97                         | 20.20                  | 44.90                          |
| 5                                                   | 11650.00       | 52.70 PK                      | 74.00             | -21.30         | 1.66 V                   | 327                        | 39.50                  | 13.20                          |
| 6                                                   | 11650.00       | 40.60 AV                      | 54.00             | -13.40         | 1.66 V                   | 327                        | 27.40                  | 13.20                          |
| 7                                                   | #17475.00      | 64.40 PK                      | 74.00             | -9.60          | 1.77 V                   | 305                        | 41.30                  | 23.10                          |
| 8                                                   | #17475.00      | 50.40 AV                      | 54.00             | -3.60          | 1.77 V                   | 305                        | 27.30                  | 23.10                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

## 802.11ac (VHT40)

|                 |               |                      |              |
|-----------------|---------------|----------------------|--------------|
| CHANNEL         | TX Channel 38 | DETECTOR<br>FUNCTION | Peak (PK)    |
| FREQUENCY RANGE | 1GHz ~ 40GHz  |                      | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5150.00        | 66.30 PK                      | 74.00             | -7.70          | 1.50 H                   | 232                        | 59.80                  | 6.50                           |
| 2                                                   | 5150.00        | 53.90 AV                      | 54.00             | -0.10          | 1.50 H                   | 232                        | 47.40                  | 6.50                           |
| 3                                                   | *5190.00       | 104.30 PK                     |                   |                | 1.50 H                   | 232                        | 97.60                  | 6.70                           |
| 4                                                   | *5190.00       | 95.20 AV                      |                   |                | 1.50 H                   | 232                        | 88.50                  | 6.70                           |
| 5                                                   | 5350.00        | 55.20 PK                      | 74.00             | -18.80         | 1.50 H                   | 232                        | 48.50                  | 6.70                           |
| 6                                                   | 5350.00        | 42.90 AV                      | 54.00             | -11.10         | 1.50 H                   | 232                        | 36.20                  | 6.70                           |
| 7                                                   | #10380.00      | 51.70 PK                      | 74.00             | -22.30         | 1.75 H                   | 45                         | 38.90                  | 12.80                          |
| 8                                                   | #10380.00      | 42.40 AV                      | 54.00             | -11.60         | 1.75 H                   | 45                         | 29.60                  | 12.80                          |
| 9                                                   | 15570.00       | 61.00 PK                      | 74.00             | -13.00         | 1.64 H                   | 221                        | 42.90                  | 18.10                          |
| 10                                                  | 15570.00       | 48.30 AV                      | 54.00             | -5.70          | 1.64 H                   | 221                        | 30.20                  | 18.10                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5150.00        | 62.70 PK                      | 74.00             | -11.30         | 2.10 V                   | 100                        | 56.20                  | 6.50                           |
| 2                                                   | 5150.00        | 50.70 AV                      | 54.00             | -3.30          | 2.10 V                   | 100                        | 44.20                  | 6.50                           |
| 3                                                   | *5190.00       | 100.20 PK                     |                   |                | 2.10 V                   | 100                        | 93.50                  | 6.70                           |
| 4                                                   | *5190.00       | 92.40 AV                      |                   |                | 2.10 V                   | 100                        | 85.70                  | 6.70                           |
| 5                                                   | 5350.00        | 53.10 PK                      | 74.00             | -20.90         | 2.10 V                   | 100                        | 46.40                  | 6.70                           |
| 6                                                   | 5350.00        | 40.70 AV                      | 54.00             | -13.30         | 2.10 V                   | 100                        | 34.00                  | 6.70                           |
| 7                                                   | #10380.00      | 53.50 PK                      | 74.00             | -20.50         | 1.74 V                   | 324                        | 40.70                  | 12.80                          |
| 8                                                   | #10380.00      | 41.40 AV                      | 54.00             | -12.60         | 1.74 V                   | 324                        | 28.60                  | 12.80                          |
| 9                                                   | 15570.00       | 64.50 PK                      | 74.00             | -9.50          | 1.66 V                   | 300                        | 46.40                  | 18.10                          |
| 10                                                  | 15570.00       | 50.10 AV                      | 54.00             | -3.90          | 1.66 V                   | 300                        | 32.00                  | 18.10                          |

## REMARKS:

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

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 46 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5230.00       | 107.80 PK                     |                   |                | 1.48 H                   | 228                        | 101.10                 | 6.70                           |
| 2                                                   | *5230.00       | 97.70 AV                      |                   |                | 1.48 H                   | 228                        | 91.00                  | 6.70                           |
| 3                                                   | 5350.00        | 55.50 PK                      | 74.00             | -18.50         | 1.48 H                   | 228                        | 48.80                  | 6.70                           |
| 4                                                   | 5350.00        | 43.30 AV                      | 54.00             | -10.70         | 1.48 H                   | 228                        | 36.60                  | 6.70                           |
| 5                                                   | #10460.00      | 50.80 PK                      | 74.00             | -23.20         | 2.00 H                   | 106                        | 38.00                  | 12.80                          |
| 6                                                   | #10460.00      | 42.00 AV                      | 54.00             | -12.00         | 2.00 H                   | 106                        | 29.20                  | 12.80                          |
| 7                                                   | 15690.00       | 64.00 PK                      | 74.00             | -10.00         | 1.30 H                   | 252                        | 45.30                  | 18.70                          |
| 8                                                   | 15690.00       | 51.50 AV                      | 54.00             | -2.50          | 1.30 H                   | 252                        | 32.80                  | 18.70                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5230.00       | 103.50 PK                     |                   |                | 2.00 V                   | 102                        | 96.80                  | 6.70                           |
| 2                                                   | *5230.00       | 94.60 AV                      |                   |                | 2.00 V                   | 102                        | 87.90                  | 6.70                           |
| 3                                                   | 5350.00        | 53.80 PK                      | 74.00             | -20.20         | 2.00 V                   | 102                        | 47.10                  | 6.70                           |
| 4                                                   | 5350.00        | 40.80 AV                      | 54.00             | -13.20         | 2.00 V                   | 102                        | 34.10                  | 6.70                           |
| 5                                                   | #10460.00      | 55.20 PK                      | 74.00             | -18.80         | 1.90 V                   | 317                        | 42.40                  | 12.80                          |
| 6                                                   | #10460.00      | 47.30 AV                      | 54.00             | -6.70          | 1.90 V                   | 317                        | 34.50                  | 12.80                          |
| 7                                                   | 15690.00       | 64.50 PK                      | 74.00             | -9.50          | 2.12 V                   | 339                        | 45.80                  | 18.70                          |
| 8                                                   | 15690.00       | 50.50 AV                      | 54.00             | -3.50          | 2.12 V                   | 339                        | 31.80                  | 18.70                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 54 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5270.00       | 111.60 PK                     |                   |                | 1.26 H                   | 87                         | 104.90                 | 6.70                           |
| 2                                                   | *5270.00       | 101.90 AV                     |                   |                | 1.26 H                   | 87                         | 95.20                  | 6.70                           |
| 3                                                   | #10540.00      | 50.50 PK                      | 74.00             | -23.50         | 1.95 H                   | 98                         | 37.70                  | 12.80                          |
| 4                                                   | #10540.00      | 41.50 AV                      | 54.00             | -12.50         | 1.95 H                   | 98                         | 28.70                  | 12.80                          |
| 5                                                   | 15810.00       | 63.70 PK                      | 74.00             | -10.30         | 1.33 H                   | 234                        | 45.30                  | 18.40                          |
| 6                                                   | 15810.00       | 51.40 AV                      | 54.00             | -2.60          | 1.33 H                   | 234                        | 33.00                  | 18.40                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5270.00       | 107.50 PK                     |                   |                | 2.11 V                   | 101                        | 100.80                 | 6.70                           |
| 2                                                   | *5270.00       | 98.90 AV                      |                   |                | 2.11 V                   | 101                        | 92.20                  | 6.70                           |
| 3                                                   | #10540.00      | 55.60 PK                      | 74.00             | -18.40         | 1.90 V                   | 329                        | 42.80                  | 12.80                          |
| 4                                                   | #10540.00      | 47.70 AV                      | 54.00             | -6.30          | 1.90 V                   | 329                        | 34.90                  | 12.80                          |
| 5                                                   | 15810.00       | 64.50 PK                      | 74.00             | -9.50          | 2.07 V                   | 326                        | 46.10                  | 18.40                          |
| 6                                                   | 15810.00       | 50.40 AV                      | 54.00             | -3.60          | 2.07 V                   | 326                        | 32.00                  | 18.40                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 62 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5310.00       | 108.10 PK                     |                   |                | 1.27 H                   | 85                         | 101.40                 | 6.70                           |
| 2                                                   | *5310.00       | 98.40 AV                      |                   |                | 1.27 H                   | 85                         | 91.70                  | 6.70                           |
| 3                                                   | 5350.00        | 71.10 PK                      | 74.00             | -2.90          | 1.27 H                   | 85                         | 64.40                  | 6.70                           |
| 4                                                   | 5350.00        | 53.70 AV                      | 54.00             | -0.30          | 1.27 H                   | 85                         | 47.00                  | 6.70                           |
| 5                                                   | 10620.00       | 51.30 PK                      | 74.00             | -22.70         | 1.79 H                   | 75                         | 38.50                  | 12.80                          |
| 6                                                   | 10620.00       | 41.90 AV                      | 54.00             | -12.10         | 1.79 H                   | 75                         | 29.10                  | 12.80                          |
| 7                                                   | 15930.00       | 61.10 PK                      | 74.00             | -12.90         | 1.65 H                   | 250                        | 42.60                  | 18.50                          |
| 8                                                   | 15930.00       | 48.20 AV                      | 54.00             | -5.80          | 1.65 H                   | 250                        | 29.70                  | 18.50                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5310.00       | 104.20 PK                     |                   |                | 1.98 V                   | 110                        | 97.50                  | 6.70                           |
| 2                                                   | *5310.00       | 96.10 AV                      |                   |                | 1.98 V                   | 110                        | 89.40                  | 6.70                           |
| 3                                                   | 5350.00        | 62.30 PK                      | 74.00             | -11.70         | 1.98 V                   | 110                        | 55.60                  | 6.70                           |
| 4                                                   | 5350.00        | 50.30 AV                      | 54.00             | -3.70          | 1.98 V                   | 110                        | 43.60                  | 6.70                           |
| 5                                                   | 10620.00       | 53.20 PK                      | 74.00             | -20.80         | 1.61 V                   | 313                        | 40.40                  | 12.80                          |
| 6                                                   | 10620.00       | 41.10 AV                      | 54.00             | -12.90         | 1.61 V                   | 313                        | 28.30                  | 12.80                          |
| 7                                                   | 15930.00       | 64.50 PK                      | 74.00             | -9.50          | 1.72 V                   | 289                        | 46.00                  | 18.50                          |
| 8                                                   | 15930.00       | 50.50 AV                      | 54.00             | -3.50          | 1.72 V                   | 289                        | 32.00                  | 18.50                          |

#### 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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 102 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5470.00       | 70.10 PK                      | 74.00             | -3.90          | 1.22 H                   | 61                         | 63.20                  | 6.90                           |
| 2                                                   | #5470.00       | 53.90 AV                      | 54.00             | -0.10          | 1.22 H                   | 61                         | 47.00                  | 6.90                           |
| 3                                                   | *5510.00       | 108.30 PK                     |                   |                | 1.22 H                   | 61                         | 101.30                 | 7.00                           |
| 4                                                   | *5510.00       | 97.50 AV                      |                   |                | 1.22 H                   | 61                         | 90.50                  | 7.00                           |
| 5                                                   | 11020.00       | 51.70 PK                      | 74.00             | -22.30         | 1.79 H                   | 65                         | 38.20                  | 13.50                          |
| 6                                                   | 11020.00       | 42.30 AV                      | 54.00             | -11.70         | 1.79 H                   | 65                         | 28.80                  | 13.50                          |
| 7                                                   | #16530.00      | 61.30 PK                      | 74.00             | -12.70         | 1.70 H                   | 230                        | 40.50                  | 20.80                          |
| 8                                                   | #16530.00      | 48.70 AV                      | 54.00             | -5.30          | 1.70 H                   | 230                        | 27.90                  | 20.80                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5470.00       | 61.60 PK                      | 74.00             | -12.40         | 2.00 V                   | 100                        | 54.70                  | 6.90                           |
| 2                                                   | #5470.00       | 49.80 AV                      | 54.00             | -4.20          | 2.00 V                   | 100                        | 42.90                  | 6.90                           |
| 3                                                   | *5510.00       | 104.80 PK                     |                   |                | 2.00 V                   | 100                        | 97.80                  | 7.00                           |
| 4                                                   | *5510.00       | 95.40 AV                      |                   |                | 2.00 V                   | 100                        | 88.40                  | 7.00                           |
| 5                                                   | 11020.00       | 52.80 PK                      | 74.00             | -21.20         | 1.64 V                   | 315                        | 39.30                  | 13.50                          |
| 6                                                   | 11020.00       | 40.90 AV                      | 54.00             | -13.10         | 1.64 V                   | 315                        | 27.40                  | 13.50                          |
| 7                                                   | #16530.00      | 64.30 PK                      | 74.00             | -9.70          | 1.75 V                   | 315                        | 43.50                  | 20.80                          |
| 8                                                   | #16530.00      | 50.00 AV                      | 54.00             | -4.00          | 1.75 V                   | 315                        | 29.20                  | 20.80                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 110 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5550.00       | 112.70 PK                     |                   |                | 1.21 H                   | 61                         | 105.60                 | 7.10                           |
| 2                                                   | *5550.00       | 103.80 AV                     |                   |                | 1.21 H                   | 61                         | 96.70                  | 7.10                           |
| 3                                                   | 11100.00       | 51.10 PK                      | 74.00             | -22.90         | 1.99 H                   | 100                        | 37.50                  | 13.60                          |
| 4                                                   | 11100.00       | 41.90 AV                      | 54.00             | -12.10         | 1.99 H                   | 100                        | 28.30                  | 13.60                          |
| 5                                                   | #16650.00      | 63.50 PK                      | 74.00             | -10.50         | 1.35 H                   | 240                        | 42.50                  | 21.00                          |
| 6                                                   | #16650.00      | 51.40 AV                      | 54.00             | -2.60          | 1.35 H                   | 240                        | 30.40                  | 21.00                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5550.00       | 108.00 PK                     |                   |                | 2.11 V                   | 110                        | 100.90                 | 7.10                           |
| 2                                                   | *5550.00       | 100.70 AV                     |                   |                | 2.11 V                   | 110                        | 93.60                  | 7.10                           |
| 3                                                   | 11100.00       | 55.00 PK                      | 74.00             | -19.00         | 1.90 V                   | 332                        | 41.40                  | 13.60                          |
| 4                                                   | 11100.00       | 47.30 AV                      | 54.00             | -6.70          | 1.90 V                   | 332                        | 33.70                  | 13.60                          |
| 5                                                   | #16650.00      | 64.90 PK                      | 74.00             | -9.10          | 2.12 V                   | 310                        | 43.90                  | 21.00                          |
| 6                                                   | #16650.00      | 50.70 AV                      | 54.00             | -3.30          | 2.12 V                   | 310                        | 29.70                  | 21.00                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 134 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5670.00       | 111.20 PK                     |                   |                | 1.13 H                   | 61                         | 103.70                 | 7.50                           |
| 2                                                   | *5670.00       | 101.50 AV                     |                   |                | 1.13 H                   | 61                         | 94.00                  | 7.50                           |
| 3                                                   | #5725.00       | 71.10 PK                      | 74.00             | -2.90          | 1.13 H                   | 61                         | 63.40                  | 7.70                           |
| 4                                                   | #5725.00       | 52.80 AV                      | 54.00             | -1.20          | 1.13 H                   | 61                         | 45.10                  | 7.70                           |
| 5                                                   | 11340.00       | 51.30 PK                      | 74.00             | -22.70         | 1.83 H                   | 56                         | 37.90                  | 13.40                          |
| 6                                                   | 11340.00       | 41.90 AV                      | 54.00             | -12.10         | 1.83 H                   | 56                         | 28.50                  | 13.40                          |
| 7                                                   | #17010.00      | 60.60 PK                      | 74.00             | -13.40         | 1.66 H                   | 232                        | 38.50                  | 22.10                          |
| 8                                                   | #17010.00      | 48.20 AV                      | 54.00             | -5.80          | 1.66 H                   | 232                        | 26.10                  | 22.10                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5670.00       | 107.70 PK                     |                   |                | 2.10 V                   | 99                         | 100.20                 | 7.50                           |
| 2                                                   | *5670.00       | 99.30 AV                      |                   |                | 2.10 V                   | 99                         | 91.80                  | 7.50                           |
| 3                                                   | #5725.00       | 69.80 PK                      | 74.00             | -4.20          | 2.10 V                   | 99                         | 62.10                  | 7.70                           |
| 4                                                   | #5725.00       | 49.70 AV                      | 54.00             | -4.30          | 2.10 V                   | 99                         | 42.00                  | 7.70                           |
| 5                                                   | 11340.00       | 53.30 PK                      | 74.00             | -20.70         | 1.65 V                   | 322                        | 39.90                  | 13.40                          |
| 6                                                   | 11340.00       | 41.20 AV                      | 54.00             | -12.80         | 1.65 V                   | 322                        | 27.80                  | 13.40                          |
| 7                                                   | #17010.00      | 64.60 PK                      | 74.00             | -9.40          | 1.70 V                   | 327                        | 42.50                  | 22.10                          |
| 8                                                   | #17010.00      | 50.50 AV                      | 54.00             | -3.50          | 1.70 V                   | 327                        | 28.40                  | 22.10                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 151 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5610.30       | 66.50 PK                      | 68.20             | -1.70          | 1.36 H                   | 73                         | 21.60                  | 44.90                          |
| 2                                                   | *5755.00       | 112.70 PK                     |                   |                | 1.36 H                   | 73                         | 105.00                 | 7.70                           |
| 3                                                   | *5755.00       | 102.60 AV                     |                   |                | 1.36 H                   | 73                         | 94.90                  | 7.70                           |
| 4                                                   | #5969.30       | 65.00 PK                      | 68.20             | -3.20          | 1.36 H                   | 73                         | 19.90                  | 45.10                          |
| 5                                                   | 11510.00       | 52.10 PK                      | 74.00             | -21.90         | 1.92 H                   | 65                         | 39.00                  | 13.10                          |
| 6                                                   | 11510.00       | 43.10 AV                      | 54.00             | -10.90         | 1.92 H                   | 65                         | 30.00                  | 13.10                          |
| 7                                                   | #17265.00      | 60.70 PK                      | 74.00             | -13.30         | 1.57 H                   | 237                        | 37.50                  | 23.20                          |
| 8                                                   | #17265.00      | 48.10 AV                      | 54.00             | -5.90          | 1.57 H                   | 237                        | 24.90                  | 23.20                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5611.70       | 66.00 PK                      | 68.20             | -2.20          | 1.00 V                   | 102                        | 21.10                  | 44.90                          |
| 2                                                   | *5755.00       | 109.20 PK                     |                   |                | 1.00 V                   | 102                        | 101.50                 | 7.70                           |
| 3                                                   | *5755.00       | 99.80 AV                      |                   |                | 1.00 V                   | 102                        | 92.10                  | 7.70                           |
| 4                                                   | #5938.50       | 64.60 PK                      | 68.20             | -3.60          | 1.00 V                   | 102                        | 19.80                  | 44.80                          |
| 5                                                   | 11510.00       | 53.10 PK                      | 74.00             | -20.90         | 1.64 V                   | 302                        | 40.00                  | 13.10                          |
| 6                                                   | 11510.00       | 40.90 AV                      | 54.00             | -13.10         | 1.64 V                   | 302                        | 27.80                  | 13.10                          |
| 7                                                   | #17265.00      | 64.00 PK                      | 74.00             | -10.00         | 1.71 V                   | 306                        | 40.80                  | 23.20                          |
| 8                                                   | #17265.00      | 50.20 AV                      | 54.00             | -3.80          | 1.71 V                   | 306                        | 27.00                  | 23.20                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 159 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5599.40       | 66.20 PK                      | 68.20             | -2.00          | 1.39 H                   | 58                         | 21.20                  | 45.00                          |
| 2                                                   | *5795.00       | 112.10 PK                     |                   |                | 1.39 H                   | 58                         | 104.30                 | 7.80                           |
| 3                                                   | *5795.00       | 102.20 AV                     |                   |                | 1.39 H                   | 58                         | 94.40                  | 7.80                           |
| 4                                                   | #5974.10       | 64.70 PK                      | 68.20             | -3.50          | 1.39 H                   | 58                         | 19.60                  | 45.10                          |
| 5                                                   | 11590.00       | 51.50 PK                      | 74.00             | -22.50         | 1.86 H                   | 53                         | 38.30                  | 13.20                          |
| 6                                                   | 11590.00       | 42.60 AV                      | 54.00             | -11.40         | 1.86 H                   | 53                         | 29.40                  | 13.20                          |
| 7                                                   | #17385.00      | 61.40 PK                      | 74.00             | -12.60         | 1.62 H                   | 257                        | 38.30                  | 23.10                          |
| 8                                                   | #17385.00      | 48.50 AV                      | 54.00             | -5.50          | 1.62 H                   | 257                        | 25.40                  | 23.10                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5575.60       | 66.50 PK                      | 68.20             | -1.70          | 1.00 V                   | 115                        | 21.50                  | 45.00                          |
| 2                                                   | *5795.00       | 109.60 PK                     |                   |                | 1.00 V                   | 115                        | 101.80                 | 7.80                           |
| 3                                                   | *5795.00       | 100.20 AV                     |                   |                | 1.00 V                   | 115                        | 92.40                  | 7.80                           |
| 4                                                   | #5998.40       | 64.90 PK                      | 68.20             | -3.30          | 1.00 V                   | 115                        | 19.70                  | 45.20                          |
| 5                                                   | 11590.00       | 53.30 PK                      | 74.00             | -20.70         | 1.68 V                   | 329                        | 40.10                  | 13.20                          |
| 6                                                   | 11590.00       | 41.30 AV                      | 54.00             | -12.70         | 1.68 V                   | 329                        | 28.10                  | 13.20                          |
| 7                                                   | #17385.00      | 64.30 PK                      | 74.00             | -9.70          | 1.72 V                   | 294                        | 41.20                  | 23.10                          |
| 8                                                   | #17385.00      | 50.50 AV                      | 54.00             | -3.50          | 1.72 V                   | 294                        | 27.40                  | 23.10                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

## 802.11ac (VHT80)

|                 |               |                      |              |
|-----------------|---------------|----------------------|--------------|
| CHANNEL         | TX Channel 42 | DETECTOR<br>FUNCTION | Peak (PK)    |
| FREQUENCY RANGE | 1GHz ~ 40GHz  |                      | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5150.00        | 65.80 PK                      | 74.00             | -8.20          | 1.22 H                   | 84                         | 59.30                  | 6.50                           |
| 2                                                   | 5150.00        | 52.80 AV                      | 54.00             | -1.20          | 1.22 H                   | 84                         | 46.30                  | 6.50                           |
| 3                                                   | *5210.00       | 100.70 PK                     |                   |                | 1.22 H                   | 84                         | 94.00                  | 6.70                           |
| 4                                                   | *5210.00       | 90.40 AV                      |                   |                | 1.22 H                   | 84                         | 83.70                  | 6.70                           |
| 5                                                   | 5350.00        | 55.50 PK                      | 74.00             | -18.50         | 1.22 H                   | 84                         | 48.80                  | 6.70                           |
| 6                                                   | 5350.00        | 42.80 AV                      | 54.00             | -11.20         | 1.22 H                   | 84                         | 36.10                  | 6.70                           |
| 7                                                   | #10420.00      | 55.90 PK                      | 74.00             | -18.10         | 1.83 H                   | 114                        | 43.10                  | 12.80                          |
| 8                                                   | #10420.00      | 44.60 AV                      | 54.00             | -9.40          | 1.83 H                   | 114                        | 31.80                  | 12.80                          |
| 9                                                   | 15630.00       | 65.60 PK                      | 74.00             | -8.40          | 1.78 H                   | 193                        | 47.20                  | 18.40                          |
| 10                                                  | 15630.00       | 49.90 AV                      | 54.00             | -4.10          | 1.78 H                   | 193                        | 31.50                  | 18.40                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5150.00        | 61.90 PK                      | 74.00             | -12.10         | 1.99 V                   | 101                        | 55.40                  | 6.50                           |
| 2                                                   | 5150.00        | 48.70 AV                      | 54.00             | -5.30          | 1.99 V                   | 101                        | 42.20                  | 6.50                           |
| 3                                                   | *5210.00       | 97.40 PK                      |                   |                | 1.99 V                   | 101                        | 90.70                  | 6.70                           |
| 4                                                   | *5210.00       | 88.80 AV                      |                   |                | 1.99 V                   | 101                        | 82.10                  | 6.70                           |
| 5                                                   | 5350.00        | 53.50 PK                      | 74.00             | -20.50         | 1.99 V                   | 101                        | 46.80                  | 6.70                           |
| 6                                                   | 5350.00        | 40.10 AV                      | 54.00             | -13.90         | 1.99 V                   | 101                        | 33.40                  | 6.70                           |
| 7                                                   | #10420.00      | 53.80 PK                      | 74.00             | -20.20         | 1.65 V                   | 327                        | 41.00                  | 12.80                          |
| 8                                                   | #10420.00      | 41.50 AV                      | 54.00             | -12.50         | 1.65 V                   | 327                        | 28.70                  | 12.80                          |
| 9                                                   | 15630.00       | 62.60 PK                      | 74.00             | -11.40         | 1.63 V                   | 344                        | 44.20                  | 18.40                          |
| 10                                                  | 15630.00       | 47.70 AV                      | 54.00             | -6.30          | 1.63 V                   | 344                        | 29.30                  | 18.40                          |

## 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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 58 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5290.00       | 101.10 PK                     |                   |                | 1.23 H                   | 86                         | 94.40                  | 6.70                           |
| 2                                                   | *5290.00       | 90.80 AV                      |                   |                | 1.23 H                   | 86                         | 84.10                  | 6.70                           |
| 3                                                   | 5350.00        | 66.40 PK                      | 74.00             | -7.60          | 1.23 H                   | 86                         | 59.70                  | 6.70                           |
| 4                                                   | 5350.00        | 53.10 AV                      | 54.00             | -0.90          | 1.23 H                   | 86                         | 46.40                  | 6.70                           |
| 5                                                   | #10580.00      | 56.30 PK                      | 74.00             | -17.70         | 1.82 H                   | 114                        | 43.50                  | 12.80                          |
| 6                                                   | #10580.00      | 45.10 AV                      | 54.00             | -8.90          | 1.82 H                   | 114                        | 32.30                  | 12.80                          |
| 7                                                   | 15870.00       | 65.70 PK                      | 74.00             | -8.30          | 1.79 H                   | 207                        | 47.30                  | 18.40                          |
| 8                                                   | 15870.00       | 50.00 AV                      | 54.00             | -4.00          | 1.79 H                   | 207                        | 31.60                  | 18.40                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5290.00       | 97.00 PK                      |                   |                | 2.11 V                   | 100                        | 90.30                  | 6.70                           |
| 2                                                   | *5290.00       | 87.60 AV                      |                   |                | 2.11 V                   | 100                        | 80.90                  | 6.70                           |
| 3                                                   | 5350.00        | 60.90 PK                      | 74.00             | -13.10         | 2.11 V                   | 100                        | 54.20                  | 6.70                           |
| 4                                                   | 5350.00        | 48.90 AV                      | 54.00             | -5.10          | 2.11 V                   | 100                        | 42.20                  | 6.70                           |
| 5                                                   | #10580.00      | 54.10 PK                      | 74.00             | -19.90         | 1.61 V                   | 329                        | 41.30                  | 12.80                          |
| 6                                                   | #10580.00      | 41.50 AV                      | 54.00             | -12.50         | 1.61 V                   | 329                        | 28.70                  | 12.80                          |
| 7                                                   | 15870.00       | 62.00 PK                      | 74.00             | -12.00         | 1.58 V                   | 354                        | 43.60                  | 18.40                          |
| 8                                                   | 15870.00       | 47.40 AV                      | 54.00             | -6.60          | 1.58 V                   | 354                        | 29.00                  | 18.40                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 106 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5470.00       | 66.80 PK                      | 74.00             | -7.20          | 1.12 H                   | 64                         | 59.90                  | 6.90                           |
| 2                                                   | #5470.00       | 51.90 AV                      | 54.00             | -2.10          | 1.12 H                   | 64                         | 45.00                  | 6.90                           |
| 3                                                   | *5530.00       | 101.20 PK                     |                   |                | 1.12 H                   | 64                         | 94.20                  | 7.00                           |
| 4                                                   | *5530.00       | 90.90 AV                      |                   |                | 1.12 H                   | 64                         | 83.90                  | 7.00                           |
| 5                                                   | 11060.00       | 55.60 PK                      | 74.00             | -18.40         | 1.80 H                   | 128                        | 42.00                  | 13.60                          |
| 6                                                   | 11060.00       | 44.10 AV                      | 54.00             | -9.90          | 1.80 H                   | 128                        | 30.50                  | 13.60                          |
| 7                                                   | #16590.00      | 65.60 PK                      | 74.00             | -8.40          | 1.77 H                   | 199                        | 44.70                  | 20.90                          |
| 8                                                   | #16590.00      | 50.20 AV                      | 54.00             | -3.80          | 1.77 H                   | 199                        | 29.30                  | 20.90                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5470.00       | 61.40 PK                      | 74.00             | -12.60         | 2.08 V                   | 107                        | 54.50                  | 6.90                           |
| 2                                                   | #5470.00       | 49.30 AV                      | 54.00             | -4.70          | 2.08 V                   | 107                        | 42.40                  | 6.90                           |
| 3                                                   | *5530.00       | 97.60 PK                      |                   |                | 2.08 V                   | 107                        | 90.60                  | 7.00                           |
| 4                                                   | *5530.00       | 88.10 AV                      |                   |                | 2.08 V                   | 107                        | 81.10                  | 7.00                           |
| 5                                                   | 11060.00       | 53.60 PK                      | 74.00             | -20.40         | 1.66 V                   | 335                        | 40.00                  | 13.60                          |
| 6                                                   | 11060.00       | 41.00 AV                      | 54.00             | -13.00         | 1.66 V                   | 335                        | 27.40                  | 13.60                          |
| 7                                                   | #16590.00      | 62.40 PK                      | 74.00             | -11.60         | 1.65 V                   | 342                        | 41.50                  | 20.90                          |
| 8                                                   | #16590.00      | 47.50 AV                      | 54.00             | -6.50          | 1.65 V                   | 342                        | 26.60                  | 20.90                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 155 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5656.40       | 70.20 PK                      | 74.00             | -3.80          | 1.40 H                   | 80                         | 25.26                  | 44.94                          |
| 2                                                   | #5656.40       | 52.80 AV                      | 54.00             | -1.20          | 1.40 H                   | 80                         | 7.86                   | 44.94                          |
| 3                                                   | *5775.00       | 106.30 PK                     |                   |                | 1.40 H                   | 80                         | 98.60                  | 7.70                           |
| 4                                                   | *5775.00       | 97.40 AV                      |                   |                | 1.40 H                   | 80                         | 89.70                  | 7.70                           |
| 5                                                   | #5968.00       | 69.50 PK                      | 74.00             | -4.50          | 1.40 H                   | 80                         | 24.50                  | 45.00                          |
| 6                                                   | #5968.00       | 50.10 AV                      | 54.00             | -3.90          | 1.40 H                   | 80                         | 5.10                   | 45.00                          |
| 7                                                   | 11550.00       | 56.10 PK                      | 74.00             | -17.90         | 1.80 H                   | 103                        | 42.90                  | 13.20                          |
| 8                                                   | 11550.00       | 44.80 AV                      | 54.00             | -9.20          | 1.80 H                   | 103                        | 31.60                  | 13.20                          |
| 9                                                   | #17325.00      | 65.80 PK                      | 74.00             | -8.20          | 1.80 H                   | 198                        | 42.60                  | 23.20                          |
| 10                                                  | #17325.00      | 50.00 AV                      | 54.00             | -4.00          | 1.80 H                   | 198                        | 26.80                  | 23.20                          |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | #5607.40       | 65.70 PK                      | 74.00             | -8.30          | 1.02 V                   | 107                        | 20.76                  | 44.94                          |
| 2                                                 | #5607.40       | 43.20 AV                      | 54.00             | -10.80         | 1.02 V                   | 107                        | -1.74                  | 44.94                          |
| 3                                                 | *5775.00       | 103.70 PK                     |                   |                | 1.02 V                   | 107                        | 96.00                  | 7.70                           |
| 4                                                 | *5775.00       | 94.60 AV                      |                   |                | 1.02 V                   | 107                        | 86.90                  | 7.70                           |
| 5                                                 | #5964.20       | 65.10 PK                      | 74.00             | -8.90          | 1.02 V                   | 107                        | 20.11                  | 44.99                          |
| 6                                                 | #5964.20       | 43.80 AV                      | 54.00             | -10.20         | 1.02 V                   | 107                        | -1.19                  | 44.99                          |
| 7                                                 | 11550.00       | 53.80 PK                      | 74.00             | -20.20         | 1.68 V                   | 322                        | 40.60                  | 13.20                          |
| 8                                                 | 11550.00       | 41.70 AV                      | 54.00             | -12.30         | 1.68 V                   | 322                        | 28.50                  | 13.20                          |
| 9                                                 | #17325.00      | 62.50 PK                      | 74.00             | -11.50         | 1.60 V                   | 330                        | 39.30                  | 23.20                          |
| 10                                                | #17325.00      | 47.90 AV                      | 54.00             | -6.10          | 1.60 V                   | 330                        | 24.70                  | 23.20                          |

#### 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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

## Below 1GHz Data

### 802.11a

|                        |                |                              |                 |
|------------------------|----------------|------------------------------|-----------------|
| <b>CHANNEL</b>         | TX Channel 116 | <b>DETECTOR<br/>FUNCTION</b> | Quasi-Peak (QP) |
| <b>FREQUENCY RANGE</b> | Below 1GHz     |                              |                 |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 48.02          | 30.35 QP                      | 40.00             | -9.65          | 2.00 H                   | 180                        | 38.81                  | -8.46                          |
| 2                                                   | 183.87         | 38.66 QP                      | 43.50             | -4.84          | 1.50 H                   | 43                         | 48.45                  | -9.79                          |
| 3                                                   | 431.99         | 39.35 QP                      | 46.00             | -6.65          | 2.00 H                   | 145                        | 42.27                  | -2.92                          |
| 4                                                   | 551.98         | 36.10 QP                      | 46.00             | -9.90          | 1.50 H                   | 132                        | 36.81                  | -0.71                          |
| 5                                                   | 792.01         | 38.12 QP                      | 46.00             | -7.88          | 1.00 H                   | 97                         | 34.09                  | 4.03                           |
| 6                                                   | 984.00         | 42.08 QP                      | 54.00             | -11.92         | 1.00 H                   | 179                        | 34.72                  | 7.36                           |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 183.84         | 38.27 QP                      | 43.50             | -5.23          | 1.00 V                   | 106                        | 48.06                  | -9.79                          |
| 2                                                   | 312.00         | 33.22 QP                      | 46.00             | -12.78         | 1.00 V                   | 74                         | 39.38                  | -6.16                          |
| 3                                                   | 528.00         | 38.66 QP                      | 46.00             | -7.34          | 1.50 V                   | 107                        | 39.79                  | -1.13                          |
| 4                                                   | 791.98         | 33.62 QP                      | 46.00             | -12.38         | 1.00 V                   | 80                         | 29.59                  | 4.03                           |
| 5                                                   | 887.99         | 37.35 QP                      | 46.00             | -8.65          | 1.50 V                   | 99                         | 31.85                  | 5.50                           |
| 6                                                   | 984.00         | 38.84 QP                      | 54.00             | -15.16         | 1.50 V                   | 100                        | 31.48                  | 7.36                           |

#### 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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

#### 4.1.8 Test Results (Mode 2)

##### Above 1GHz Data :

##### 802.11a

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 36 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5150.00        | 67.80 PK                      | 74.00             | -6.20          | 1.56 H                   | 36                         | 61.30                  | 6.50                           |
| 2                                                   | 5150.00        | 50.10 AV                      | 54.00             | -3.90          | 1.56 H                   | 36                         | 43.60                  | 6.50                           |
| 3                                                   | *5180.00       | 107.20 PK                     |                   |                | 1.56 H                   | 36                         | 100.50                 | 6.70                           |
| 4                                                   | *5180.00       | 96.60 AV                      |                   |                | 1.56 H                   | 36                         | 89.90                  | 6.70                           |
| 5                                                   | #10360.00      | 51.80 PK                      | 74.00             | -22.20         | 1.87 H                   | 54                         | 38.90                  | 12.90                          |
| 6                                                   | #10360.00      | 42.60 AV                      | 54.00             | -11.40         | 1.87 H                   | 54                         | 29.70                  | 12.90                          |
| 7                                                   | 15540.00       | 60.00 PK                      | 74.00             | -14.00         | 1.74 H                   | 213                        | 42.00                  | 18.00                          |
| 8                                                   | 15540.00       | 47.70 AV                      | 54.00             | -6.30          | 1.74 H                   | 213                        | 29.70                  | 18.00                          |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | 5150.00        | 68.60 PK                      | 74.00             | -5.40          | 1.88 V                   | 224                        | 62.10                  | 6.50                           |
| 2                                                 | 5150.00        | 53.10 AV                      | 54.00             | -0.90          | 1.88 V                   | 224                        | 46.60                  | 6.50                           |
| 3                                                 | *5180.00       | 113.50 PK                     |                   |                | 1.88 V                   | 224                        | 106.80                 | 6.70                           |
| 4                                                 | *5180.00       | 103.10 AV                     |                   |                | 1.88 V                   | 224                        | 96.40                  | 6.70                           |
| 5                                                 | #10360.00      | 55.10 PK                      | 74.00             | -18.90         | 1.98 V                   | 310                        | 42.20                  | 12.90                          |
| 6                                                 | #10360.00      | 47.40 AV                      | 54.00             | -6.60          | 1.98 V                   | 310                        | 34.50                  | 12.90                          |
| 7                                                 | 15540.00       | 64.50 PK                      | 74.00             | -9.50          | 2.08 V                   | 323                        | 46.50                  | 18.00                          |
| 8                                                 | 15540.00       | 50.30 AV                      | 54.00             | -3.70          | 2.08 V                   | 323                        | 32.30                  | 18.00                          |

#### 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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 40 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5200.00       | 108.80 PK                     |                   |                | 1.57 H                   | 40                         | 102.10                 | 6.70                           |
| 2                                                   | *5200.00       | 97.60 AV                      |                   |                | 1.57 H                   | 40                         | 90.90                  | 6.70                           |
| 3                                                   | #10400.00      | 52.10 PK                      | 74.00             | -21.90         | 1.88 H                   | 43                         | 39.20                  | 12.90                          |
| 4                                                   | #10400.00      | 42.90 AV                      | 54.00             | -11.10         | 1.88 H                   | 43                         | 30.00                  | 12.90                          |
| 5                                                   | 15600.00       | 60.40 PK                      | 74.00             | -13.60         | 1.69 H                   | 205                        | 42.10                  | 18.30                          |
| 6                                                   | 15600.00       | 47.80 AV                      | 54.00             | -6.20          | 1.69 H                   | 205                        | 29.50                  | 18.30                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5200.00       | 115.20 PK                     |                   |                | 1.71 V                   | 344                        | 108.50                 | 6.70                           |
| 2                                                   | *5200.00       | 105.60 AV                     |                   |                | 1.71 V                   | 344                        | 98.90                  | 6.70                           |
| 3                                                   | #10400.00      | 54.90 PK                      | 74.00             | -19.10         | 1.94 V                   | 219                        | 42.00                  | 12.90                          |
| 4                                                   | #10400.00      | 47.30 AV                      | 54.00             | -6.70          | 1.94 V                   | 219                        | 34.40                  | 12.90                          |
| 5                                                   | 15600.00       | 65.40 PK                      | 74.00             | -8.60          | 1.87 V                   | 265                        | 47.10                  | 18.30                          |
| 6                                                   | 15600.00       | 52.10 AV                      | 54.00             | -1.90          | 1.87 V                   | 265                        | 33.80                  | 18.30                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 48 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5240.00       | 108.90 PK                     |                   |                | 1.59 H                   | 51                         | 102.20                 | 6.70                           |
| 2                                                   | *5240.00       | 97.70 AV                      |                   |                | 1.59 H                   | 51                         | 91.00                  | 6.70                           |
| 3                                                   | 5350.00        | 57.60 PK                      | 74.00             | -16.40         | 1.59 H                   | 51                         | 50.90                  | 6.70                           |
| 4                                                   | 5350.00        | 42.80 AV                      | 54.00             | -11.20         | 1.59 H                   | 51                         | 36.10                  | 6.70                           |
| 5                                                   | #10480.00      | 52.40 PK                      | 74.00             | -21.60         | 1.83 H                   | 46                         | 39.60                  | 12.80                          |
| 6                                                   | #10480.00      | 43.20 AV                      | 54.00             | -10.80         | 1.83 H                   | 46                         | 30.40                  | 12.80                          |
| 7                                                   | 15720.00       | 60.40 PK                      | 74.00             | -13.60         | 1.65 H                   | 215                        | 41.80                  | 18.60                          |
| 8                                                   | 15720.00       | 47.80 AV                      | 54.00             | -6.20          | 1.65 H                   | 215                        | 29.20                  | 18.60                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5240.00       | 115.20 PK                     |                   |                | 1.73 V                   | 335                        | 108.50                 | 6.70                           |
| 2                                                   | *5240.00       | 105.30 AV                     |                   |                | 1.73 V                   | 335                        | 98.60                  | 6.70                           |
| 3                                                   | 5350.00        | 59.60 PK                      | 74.00             | -14.40         | 1.73 V                   | 335                        | 52.90                  | 6.70                           |
| 4                                                   | 5350.00        | 46.10 AV                      | 54.00             | -7.90          | 1.73 V                   | 335                        | 39.40                  | 6.70                           |
| 5                                                   | #10480.00      | 55.60 PK                      | 74.00             | -18.40         | 1.89 V                   | 214                        | 42.80                  | 12.80                          |
| 6                                                   | #10480.00      | 47.70 AV                      | 54.00             | -6.30          | 1.89 V                   | 214                        | 34.90                  | 12.80                          |
| 7                                                   | 15720.00       | 65.80 PK                      | 74.00             | -8.20          | 1.86 V                   | 251                        | 47.20                  | 18.60                          |
| 8                                                   | 15720.00       | 52.60 AV                      | 54.00             | -1.40          | 1.86 V                   | 251                        | 34.00                  | 18.60                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                 |               |                      |              |
|-----------------|---------------|----------------------|--------------|
| CHANNEL         | TX Channel 52 | DETECTOR<br>FUNCTION | Peak (PK)    |
| FREQUENCY RANGE | 1GHz ~ 40GHz  |                      | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5150.00        | 58.30 PK                      | 74.00             | -15.70         | 1.53 H                   | 50                         | 51.80                  | 6.50                           |
| 2                                                   | 5150.00        | 43.20 AV                      | 54.00             | -10.80         | 1.53 H                   | 50                         | 36.70                  | 6.50                           |
| 3                                                   | *5260.00       | 108.60 PK                     |                   |                | 1.53 H                   | 50                         | 101.80                 | 6.80                           |
| 4                                                   | *5260.00       | 97.30 AV                      |                   |                | 1.53 H                   | 50                         | 90.50                  | 6.80                           |
| 5                                                   | #10520.00      | 52.20 PK                      | 74.00             | -21.80         | 1.86 H                   | 47                         | 39.40                  | 12.80                          |
| 6                                                   | #10520.00      | 43.10 AV                      | 54.00             | -10.90         | 1.86 H                   | 47                         | 30.30                  | 12.80                          |
| 7                                                   | 15780.00       | 60.60 PK                      | 74.00             | -13.40         | 1.63 H                   | 218                        | 42.10                  | 18.50                          |
| 8                                                   | 15780.00       | 47.80 AV                      | 54.00             | -6.20          | 1.63 H                   | 218                        | 29.30                  | 18.50                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5150.00        | 59.70 PK                      | 74.00             | -14.30         | 1.69 V                   | 323                        | 53.20                  | 6.50                           |
| 2                                                   | 5150.00        | 46.10 AV                      | 54.00             | -7.90          | 1.69 V                   | 323                        | 39.60                  | 6.50                           |
| 3                                                   | *5260.00       | 115.30 PK                     |                   |                | 1.69 V                   | 323                        | 108.50                 | 6.80                           |
| 4                                                   | *5260.00       | 105.30 AV                     |                   |                | 1.69 V                   | 323                        | 98.50                  | 6.80                           |
| 5                                                   | #10520.00      | 55.20 PK                      | 74.00             | -18.80         | 1.96 V                   | 207                        | 42.40                  | 12.80                          |
| 6                                                   | #10520.00      | 47.60 AV                      | 54.00             | -6.40          | 1.96 V                   | 207                        | 34.80                  | 12.80                          |
| 7                                                   | 15780.00       | 65.30 PK                      | 74.00             | -8.70          | 1.90 V                   | 254                        | 46.80                  | 18.50                          |
| 8                                                   | 15780.00       | 52.00 AV                      | 54.00             | -2.00          | 1.90 V                   | 254                        | 33.50                  | 18.50                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 60 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5300.00       | 109.00 PK                     |                   |                | 1.59 H                   | 26                         | 102.30                 | 6.70                           |
| 2                                                   | *5300.00       | 97.60 AV                      |                   |                | 1.59 H                   | 26                         | 90.90                  | 6.70                           |
| 3                                                   | 10600.00       | 51.80 PK                      | 74.00             | -22.20         | 1.87 H                   | 30                         | 39.00                  | 12.80                          |
| 4                                                   | 10600.00       | 42.80 AV                      | 54.00             | -11.20         | 1.87 H                   | 30                         | 30.00                  | 12.80                          |
| 5                                                   | 15900.00       | 60.40 PK                      | 74.00             | -13.60         | 1.73 H                   | 196                        | 42.00                  | 18.40                          |
| 6                                                   | 15900.00       | 48.00 AV                      | 54.00             | -6.00          | 1.73 H                   | 196                        | 29.60                  | 18.40                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5300.00       | 115.60 PK                     |                   |                | 1.76 V                   | 342                        | 108.90                 | 6.70                           |
| 2                                                   | *5300.00       | 105.70 AV                     |                   |                | 1.76 V                   | 342                        | 99.00                  | 6.70                           |
| 3                                                   | 10600.00       | 54.60 PK                      | 74.00             | -19.40         | 1.96 V                   | 222                        | 41.80                  | 12.80                          |
| 4                                                   | 10600.00       | 47.00 AV                      | 54.00             | -7.00          | 1.96 V                   | 222                        | 34.20                  | 12.80                          |
| 5                                                   | 15900.00       | 64.60 PK                      | 74.00             | -9.40          | 1.93 V                   | 262                        | 46.20                  | 18.40                          |
| 6                                                   | 15900.00       | 51.60 AV                      | 54.00             | -2.40          | 1.93 V                   | 262                        | 33.20                  | 18.40                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 64 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5320.00       | 107.00 PK                     |                   |                | 1.60 H                   | 30                         | 100.30                 | 6.70                           |
| 2                                                   | *5320.00       | 96.60 AV                      |                   |                | 1.60 H                   | 30                         | 89.90                  | 6.70                           |
| 3                                                   | 5350.00        | 68.30 PK                      | 74.00             | -5.70          | 1.60 H                   | 30                         | 61.60                  | 6.70                           |
| 4                                                   | 5350.00        | 50.10 AV                      | 54.00             | -3.90          | 1.60 H                   | 30                         | 43.40                  | 6.70                           |
| 5                                                   | 10640.00       | 52.00 PK                      | 74.00             | -22.00         | 1.89 H                   | 48                         | 39.20                  | 12.80                          |
| 6                                                   | 10640.00       | 42.60 AV                      | 54.00             | -11.40         | 1.89 H                   | 48                         | 29.80                  | 12.80                          |
| 7                                                   | 15960.00       | 59.80 PK                      | 74.00             | -14.20         | 1.66 H                   | 203                        | 41.30                  | 18.50                          |
| 8                                                   | 15960.00       | 47.40 AV                      | 54.00             | -6.60          | 1.66 H                   | 203                        | 28.90                  | 18.50                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5320.00       | 115.20 PK                     |                   |                | 2.22 V                   | 238                        | 108.50                 | 6.70                           |
| 2                                                   | *5320.00       | 106.10 AV                     |                   |                | 2.22 V                   | 238                        | 99.40                  | 6.70                           |
| 3                                                   | 5350.00        | 69.20 PK                      | 74.00             | -4.80          | 2.22 V                   | 238                        | 62.50                  | 6.70                           |
| 4                                                   | 5350.00        | 53.00 AV                      | 54.00             | -1.00          | 2.22 V                   | 238                        | 46.30                  | 6.70                           |
| 5                                                   | 10640.00       | 54.80 PK                      | 74.00             | -19.20         | 2.03 V                   | 299                        | 42.00                  | 12.80                          |
| 6                                                   | 10640.00       | 47.30 AV                      | 54.00             | -6.70          | 2.03 V                   | 299                        | 34.50                  | 12.80                          |
| 7                                                   | 15960.00       | 63.90 PK                      | 74.00             | -10.10         | 2.07 V                   | 322                        | 45.40                  | 18.50                          |
| 8                                                   | 15960.00       | 49.90 AV                      | 54.00             | -4.10          | 2.07 V                   | 322                        | 31.40                  | 18.50                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 100 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5470.00       | 68.30 PK                      | 74.00             | -5.70          | 1.57 H                   | 40                         | 61.40                  | 6.90                           |
| 2                                                   | #5470.00       | 50.00 AV                      | 54.00             | -4.00          | 1.57 H                   | 40                         | 43.10                  | 6.90                           |
| 3                                                   | *5500.00       | 107.30 PK                     |                   |                | 1.57 H                   | 40                         | 100.30                 | 7.00                           |
| 4                                                   | *5500.00       | 96.40 AV                      |                   |                | 1.57 H                   | 40                         | 89.40                  | 7.00                           |
| 5                                                   | 11000.00       | 51.70 PK                      | 74.00             | -22.30         | 1.87 H                   | 47                         | 38.20                  | 13.50                          |
| 6                                                   | 11000.00       | 42.40 AV                      | 54.00             | -11.60         | 1.87 H                   | 47                         | 28.90                  | 13.50                          |
| 7                                                   | #16500.00      | 60.20 PK                      | 74.00             | -13.80         | 1.64 H                   | 219                        | 39.30                  | 20.90                          |
| 8                                                   | #16500.00      | 47.90 AV                      | 54.00             | -6.10          | 1.64 H                   | 219                        | 27.00                  | 20.90                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5470.00       | 69.40 PK                      | 74.00             | -4.60          | 2.04 V                   | 246                        | 62.50                  | 6.90                           |
| 2                                                   | #5470.00       | 53.60 AV                      | 54.00             | -0.40          | 2.04 V                   | 246                        | 46.70                  | 6.90                           |
| 3                                                   | *5500.00       | 116.10 PK                     |                   |                | 2.11 V                   | 245                        | 109.10                 | 7.00                           |
| 4                                                   | *5500.00       | 107.10 AV                     |                   |                | 2.11 V                   | 245                        | 100.10                 | 7.00                           |
| 5                                                   | 11000.00       | 54.80 PK                      | 74.00             | -19.20         | 2.00 V                   | 318                        | 41.30                  | 13.50                          |
| 6                                                   | 11000.00       | 46.90 AV                      | 54.00             | -7.10          | 2.00 V                   | 318                        | 33.40                  | 13.50                          |
| 7                                                   | #16500.00      | 65.10 PK                      | 74.00             | -8.90          | 2.09 V                   | 325                        | 44.20                  | 20.90                          |
| 8                                                   | #16500.00      | 50.70 AV                      | 54.00             | -3.30          | 2.09 V                   | 325                        | 29.80                  | 20.90                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 116 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5580.00       | 108.50 PK                     |                   |                | 1.54 H                   | 49                         | 101.40                 | 7.10                           |
| 2                                                   | *5580.00       | 97.20 AV                      |                   |                | 1.54 H                   | 49                         | 90.10                  | 7.10                           |
| 3                                                   | 11160.00       | 52.60 PK                      | 74.00             | -21.40         | 1.83 H                   | 43                         | 39.00                  | 13.60                          |
| 4                                                   | 11160.00       | 43.20 AV                      | 54.00             | -10.80         | 1.83 H                   | 43                         | 29.60                  | 13.60                          |
| 5                                                   | #16740.00      | 60.00 PK                      | 74.00             | -14.00         | 1.68 H                   | 204                        | 38.70                  | 21.30                          |
| 6                                                   | #16740.00      | 47.60 AV                      | 54.00             | -6.40          | 1.68 H                   | 204                        | 26.30                  | 21.30                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5580.00       | 115.30 PK                     |                   |                | 1.70 V                   | 335                        | 108.20                 | 7.10                           |
| 2                                                   | *5580.00       | 105.30 AV                     |                   |                | 1.70 V                   | 335                        | 98.20                  | 7.10                           |
| 3                                                   | 11160.00       | 54.70 PK                      | 74.00             | -19.30         | 1.91 V                   | 233                        | 41.10                  | 13.60                          |
| 4                                                   | 11160.00       | 46.90 AV                      | 54.00             | -7.10          | 1.91 V                   | 233                        | 33.30                  | 13.60                          |
| 5                                                   | #16740.00      | 65.60 PK                      | 74.00             | -8.40          | 1.91 V                   | 257                        | 44.30                  | 21.30                          |
| 6                                                   | #16740.00      | 52.40 AV                      | 54.00             | -1.60          | 1.91 V                   | 257                        | 31.10                  | 21.30                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 140 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5700.00       | 106.70 PK                     |                   |                | 1.55 H                   | 50                         | 99.10                  | 7.60                           |
| 2                                                   | *5700.00       | 95.90 AV                      |                   |                | 1.55 H                   | 50                         | 88.30                  | 7.60                           |
| 3                                                   | #5725.00       | 70.60 PK                      | 74.00             | -3.40          | 1.55 H                   | 50                         | 62.90                  | 7.70                           |
| 4                                                   | #5725.00       | 50.20 AV                      | 54.00             | -3.80          | 1.55 H                   | 50                         | 42.50                  | 7.70                           |
| 5                                                   | 11400.00       | 51.40 PK                      | 74.00             | -22.60         | 1.88 H                   | 29                         | 38.10                  | 13.30                          |
| 6                                                   | 11400.00       | 42.40 AV                      | 54.00             | -11.60         | 1.88 H                   | 29                         | 29.10                  | 13.30                          |
| 7                                                   | #17100.00      | 60.60 PK                      | 74.00             | -13.40         | 1.69 H                   | 204                        | 38.30                  | 22.30                          |
| 8                                                   | #17100.00      | 47.80 AV                      | 54.00             | -6.20          | 1.69 H                   | 204                        | 25.50                  | 22.30                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5700.00       | 115.10 PK                     |                   |                | 2.20 V                   | 227                        | 107.50                 | 7.60                           |
| 2                                                   | *5700.00       | 105.90 AV                     |                   |                | 2.20 V                   | 227                        | 98.30                  | 7.60                           |
| 3                                                   | #5725.00       | 71.30 PK                      | 74.00             | -2.70          | 2.20 V                   | 227                        | 63.60                  | 7.70                           |
| 4                                                   | #5725.00       | 53.10 AV                      | 54.00             | -0.90          | 2.20 V                   | 227                        | 45.40                  | 7.70                           |
| 5                                                   | 11400.00       | 55.00 PK                      | 74.00             | -19.00         | 1.99 V                   | 320                        | 41.70                  | 13.30                          |
| 6                                                   | 11400.00       | 47.40 AV                      | 54.00             | -6.60          | 1.99 V                   | 320                        | 34.10                  | 13.30                          |
| 7                                                   | #17100.00      | 64.00 PK                      | 74.00             | -10.00         | 2.03 V                   | 329                        | 41.70                  | 22.30                          |
| 8                                                   | #17100.00      | 50.00 AV                      | 54.00             | -4.00          | 2.03 V                   | 329                        | 27.70                  | 22.30                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 149 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5558.22       | 63.96 PK                      | 68.20             | -4.24          | 2.52 H                   | 253                        | 52.97                  | 10.99                          |
| 2                                                   | *5745.00       | 109.50 PK                     |                   |                | 2.52 H                   | 253                        | 101.80                 | 7.70                           |
| 3                                                   | *5745.00       | 101.90 AV                     |                   |                | 2.52 H                   | 253                        | 94.20                  | 7.70                           |
| 4                                                   | #6014.89       | 64.05 PK                      | 68.20             | -4.15          | 2.52 H                   | 253                        | 52.80                  | 11.25                          |
| 5                                                   | 11490.00       | 51.80 PK                      | 74.00             | -22.20         | 1.87 H                   | 58                         | 38.70                  | 13.10                          |
| 6                                                   | 11490.00       | 42.60 AV                      | 54.00             | -11.40         | 1.87 H                   | 58                         | 29.50                  | 13.10                          |
| 7                                                   | #17235.00      | 60.50 PK                      | 74.00             | -13.50         | 1.69 H                   | 220                        | 37.50                  | 23.00                          |
| 8                                                   | #17235.00      | 48.20 AV                      | 54.00             | -5.80          | 1.69 H                   | 220                        | 25.20                  | 23.00                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5575.04       | 65.00 PK                      | 68.20             | -3.20          | 2.07 V                   | 243                        | 54.03                  | 10.97                          |
| 2                                                   | *5745.00       | 117.00 PK                     |                   |                | 2.07 V                   | 243                        | 109.30                 | 7.70                           |
| 3                                                   | *5745.00       | 109.20 AV                     |                   |                | 2.07 V                   | 243                        | 101.50                 | 7.70                           |
| 4                                                   | #5983.38       | 64.58 PK                      | 68.20             | -3.62          | 2.07 V                   | 243                        | 53.41                  | 11.17                          |
| 5                                                   | 11490.00       | 52.20 PK                      | 74.00             | -21.80         | 1.64 V                   | 329                        | 39.10                  | 13.10                          |
| 6                                                   | 11490.00       | 40.30 AV                      | 54.00             | -13.70         | 1.64 V                   | 329                        | 27.20                  | 13.10                          |
| 7                                                   | #17235.00      | 64.10 PK                      | 74.00             | -9.90          | 1.77 V                   | 319                        | 41.10                  | 23.00                          |
| 8                                                   | #17235.00      | 50.50 AV                      | 54.00             | -3.50          | 1.77 V                   | 319                        | 27.50                  | 23.00                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                 |                |                      |              |
|-----------------|----------------|----------------------|--------------|
| CHANNEL         | TX Channel 157 | DETECTOR<br>FUNCTION | Peak (PK)    |
| FREQUENCY RANGE | 1GHz ~ 40GHz   |                      | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5592.93       | 63.42 PK                      | 68.20             | -4.78          | 2.32 H                   | 253                        | 52.47                  | 10.95                          |
| 2                                                   | *5785.00       | 108.50 PK                     |                   |                | 2.32 H                   | 253                        | 100.70                 | 7.80                           |
| 3                                                   | *5785.00       | 100.80 AV                     |                   |                | 2.32 H                   | 253                        | 93.00                  | 7.80                           |
| 4                                                   | #5997.03       | 64.35 PK                      | 68.20             | -3.85          | 2.32 H                   | 253                        | 53.10                  | 11.25                          |
| 5                                                   | 11570.00       | 52.80 PK                      | 74.00             | -21.20         | 1.89 H                   | 30                         | 39.50                  | 13.30                          |
| 6                                                   | 11570.00       | 43.40 AV                      | 54.00             | -10.60         | 1.89 H                   | 30                         | 30.10                  | 13.30                          |
| 7                                                   | #17355.00      | 60.70 PK                      | 74.00             | -13.30         | 1.70 H                   | 202                        | 37.60                  | 23.10                          |
| 8                                                   | #17355.00      | 48.10 AV                      | 54.00             | -5.90          | 1.70 H                   | 202                        | 25.00                  | 23.10                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5618.86       | 64.61 PK                      | 68.20             | -3.59          | 2.06 V                   | 245                        | 53.61                  | 11.00                          |
| 2                                                   | *5785.00       | 115.20 PK                     |                   |                | 2.06 V                   | 245                        | 107.40                 | 7.80                           |
| 3                                                   | *5785.00       | 108.60 AV                     |                   |                | 2.06 V                   | 245                        | 100.80                 | 7.80                           |
| 4                                                   | #6001.12       | 64.28 PK                      | 68.20             | -3.92          | 2.06 V                   | 245                        | 53.02                  | 11.26                          |
| 5                                                   | 11570.00       | 52.20 PK                      | 74.00             | -21.80         | 1.60 V                   | 327                        | 38.90                  | 13.30                          |
| 6                                                   | 11570.00       | 40.30 AV                      | 54.00             | -13.70         | 1.60 V                   | 327                        | 27.00                  | 13.30                          |
| 7                                                   | #17355.00      | 64.70 PK                      | 74.00             | -9.30          | 1.72 V                   | 305                        | 41.60                  | 23.10                          |
| 8                                                   | #17355.00      | 50.90 AV                      | 54.00             | -3.10          | 1.72 V                   | 305                        | 27.80                  | 23.10                          |

#### 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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 165 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5645.15       | 63.84 PK                      | 68.20             | -4.36          | 2.39 H                   | 253                        | 52.76                  | 11.08                          |
| 2                                                   | *5825.00       | 110.30 PK                     |                   |                | 2.39 H                   | 253                        | 102.60                 | 7.70                           |
| 3                                                   | *5825.00       | 103.30 AV                     |                   |                | 2.39 H                   | 253                        | 95.60                  | 7.70                           |
| 4                                                   | #6001.93       | 63.67 PK                      | 68.20             | -4.53          | 2.39 H                   | 253                        | 52.40                  | 11.27                          |
| 5                                                   | 11650.00       | 51.90 PK                      | 74.00             | -22.10         | 1.92 H                   | 58                         | 38.70                  | 13.20                          |
| 6                                                   | 11650.00       | 42.90 AV                      | 54.00             | -11.10         | 1.92 H                   | 58                         | 29.70                  | 13.20                          |
| 7                                                   | #17475.00      | 60.70 PK                      | 74.00             | -13.30         | 1.67 H                   | 218                        | 37.60                  | 23.10                          |
| 8                                                   | #17475.00      | 48.10 AV                      | 54.00             | -5.90          | 1.67 H                   | 218                        | 25.00                  | 23.10                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5590.61       | 64.12 PK                      | 68.20             | -4.08          | 2.02 V                   | 246                        | 53.17                  | 10.95                          |
| 2                                                   | *5825.00       | 116.70 PK                     |                   |                | 2.02 V                   | 246                        | 109.00                 | 7.70                           |
| 3                                                   | *5825.00       | 109.70 AV                     |                   |                | 2.02 V                   | 246                        | 102.00                 | 7.70                           |
| 4                                                   | #5980.54       | 64.21 PK                      | 68.20             | -3.99          | 2.02 V                   | 246                        | 53.06                  | 11.15                          |
| 5                                                   | 11650.00       | 52.10 PK                      | 74.00             | -21.90         | 1.69 V                   | 321                        | 38.90                  | 13.20                          |
| 6                                                   | 11650.00       | 40.50 AV                      | 54.00             | -13.50         | 1.69 V                   | 321                        | 27.30                  | 13.20                          |
| 7                                                   | #17475.00      | 64.20 PK                      | 74.00             | -9.80          | 1.73 V                   | 318                        | 41.10                  | 23.10                          |
| 8                                                   | #17475.00      | 50.30 AV                      | 54.00             | -3.70          | 1.73 V                   | 318                        | 27.20                  | 23.10                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

# 802.11ac (VHT20)

|                 |               |                      |              |
|-----------------|---------------|----------------------|--------------|
| CHANNEL         | TX Channel 36 | DETECTOR<br>FUNCTION | Peak (PK)    |
| FREQUENCY RANGE | 1GHz ~ 40GHz  |                      | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5150.00        | 68.30 PK                      | 74.00             | -5.70          | 1.59 H                   | 54                         | 61.80                  | 6.50                           |
| 2                                                   | 5150.00        | 49.80 AV                      | 54.00             | -4.20          | 1.59 H                   | 54                         | 43.30                  | 6.50                           |
| 3                                                   | *5180.00       | 107.30 PK                     |                   |                | 1.52 H                   | 44                         | 100.60                 | 6.70                           |
| 4                                                   | *5180.00       | 96.80 AV                      |                   |                | 1.52 H                   | 44                         | 90.10                  | 6.70                           |
| 5                                                   | #10360.00      | 52.70 PK                      | 74.00             | -21.30         | 1.90 H                   | 55                         | 39.80                  | 12.90                          |
| 6                                                   | #10360.00      | 43.40 AV                      | 54.00             | -10.60         | 1.90 H                   | 55                         | 30.50                  | 12.90                          |
| 7                                                   | 15540.00       | 60.40 PK                      | 74.00             | -13.60         | 1.75 H                   | 197                        | 42.40                  | 18.00                          |
| 8                                                   | 15540.00       | 47.90 AV                      | 54.00             | -6.10          | 1.75 H                   | 197                        | 29.90                  | 18.00                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5150.00        | 71.40 PK                      | 74.00             | -2.60          | 2.08 V                   | 286                        | 64.90                  | 6.50                           |
| 2                                                   | 5150.00        | 53.70 AV                      | 54.00             | -0.30          | 2.08 V                   | 286                        | 47.20                  | 6.50                           |
| 3                                                   | *5180.00       | 114.60 PK                     |                   |                | 2.08 V                   | 286                        | 107.90                 | 6.70                           |
| 4                                                   | *5180.00       | 103.00 AV                     |                   |                | 2.08 V                   | 286                        | 96.30                  | 6.70                           |
| 5                                                   | #10360.00      | 55.60 PK                      | 74.00             | -18.40         | 1.93 V                   | 319                        | 42.70                  | 12.90                          |
| 6                                                   | #10360.00      | 47.80 AV                      | 54.00             | -6.20          | 1.93 V                   | 319                        | 34.90                  | 12.90                          |
| 7                                                   | 15540.00       | 64.30 PK                      | 74.00             | -9.70          | 2.11 V                   | 326                        | 46.30                  | 18.00                          |
| 8                                                   | 15540.00       | 50.10 AV                      | 54.00             | -3.90          | 2.11 V                   | 326                        | 32.10                  | 18.00                          |

## REMARKS:

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

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 40 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5200.00       | 108.60 PK                     |                   |                | 1.57 H                   | 37                         | 101.90                 | 6.70                           |
| 2                                                   | *5200.00       | 97.00 AV                      |                   |                | 1.57 H                   | 37                         | 90.30                  | 6.70                           |
| 3                                                   | #10400.00      | 52.40 PK                      | 74.00             | -21.60         | 1.90 H                   | 45                         | 39.50                  | 12.90                          |
| 4                                                   | #10400.00      | 43.00 AV                      | 54.00             | -11.00         | 1.90 H                   | 45                         | 30.10                  | 12.90                          |
| 5                                                   | 15600.00       | 60.10 PK                      | 74.00             | -13.90         | 1.65 H                   | 215                        | 41.80                  | 18.30                          |
| 6                                                   | 15600.00       | 47.40 AV                      | 54.00             | -6.60          | 1.65 H                   | 215                        | 29.10                  | 18.30                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5200.00       | 114.60 PK                     |                   |                | 1.74 V                   | 211                        | 107.90                 | 6.70                           |
| 2                                                   | *5200.00       | 104.00 AV                     |                   |                | 1.74 V                   | 211                        | 97.30                  | 6.70                           |
| 3                                                   | #10400.00      | 54.80 PK                      | 74.00             | -19.20         | 1.97 V                   | 221                        | 41.90                  | 12.90                          |
| 4                                                   | #10400.00      | 46.90 AV                      | 54.00             | -7.10          | 1.97 V                   | 221                        | 34.00                  | 12.90                          |
| 5                                                   | 15600.00       | 65.80 PK                      | 74.00             | -8.20          | 1.82 V                   | 257                        | 47.50                  | 18.30                          |
| 6                                                   | 15600.00       | 52.40 AV                      | 54.00             | -1.60          | 1.82 V                   | 257                        | 34.10                  | 18.30                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 48 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5240.00       | 108.60 PK                     |                   |                | 1.54 H                   | 56                         | 101.90                 | 6.70                           |
| 2                                                   | *5240.00       | 97.20 AV                      |                   |                | 1.54 H                   | 56                         | 90.50                  | 6.70                           |
| 3                                                   | 5350.00        | 57.60 PK                      | 74.00             | -16.40         | 1.54 H                   | 56                         | 50.90                  | 6.70                           |
| 4                                                   | 5350.00        | 42.90 AV                      | 54.00             | -11.10         | 1.54 H                   | 56                         | 36.20                  | 6.70                           |
| 5                                                   | #10480.00      | 51.80 PK                      | 74.00             | -22.20         | 1.89 H                   | 32                         | 39.00                  | 12.80                          |
| 6                                                   | #10480.00      | 42.40 AV                      | 54.00             | -11.60         | 1.89 H                   | 32                         | 29.60                  | 12.80                          |
| 7                                                   | 15720.00       | 60.50 PK                      | 74.00             | -13.50         | 1.66 H                   | 221                        | 41.90                  | 18.60                          |
| 8                                                   | 15720.00       | 47.70 AV                      | 54.00             | -6.30          | 1.66 H                   | 221                        | 29.10                  | 18.60                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5240.00       | 114.30 PK                     |                   |                | 1.73 V                   | 223                        | 107.60                 | 6.70                           |
| 2                                                   | *5240.00       | 104.00 AV                     |                   |                | 1.73 V                   | 223                        | 97.30                  | 6.70                           |
| 3                                                   | 5350.00        | 59.10 PK                      | 74.00             | -14.90         | 1.73 V                   | 223                        | 52.40                  | 6.70                           |
| 4                                                   | 5350.00        | 46.10 AV                      | 54.00             | -7.90          | 1.73 V                   | 223                        | 39.40                  | 6.70                           |
| 5                                                   | #10480.00      | 55.00 PK                      | 74.00             | -19.00         | 2.00 V                   | 226                        | 42.20                  | 12.80                          |
| 6                                                   | #10480.00      | 47.30 AV                      | 54.00             | -6.70          | 2.00 V                   | 226                        | 34.50                  | 12.80                          |
| 7                                                   | 15720.00       | 65.80 PK                      | 74.00             | -8.20          | 1.85 V                   | 280                        | 47.20                  | 18.60                          |
| 8                                                   | 15720.00       | 52.30 AV                      | 54.00             | -1.70          | 1.85 V                   | 280                        | 33.70                  | 18.60                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 52 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5260.00       | 108.60 PK                     |                   |                | 1.49 H                   | 42                         | 101.80                 | 6.80                           |
| 2                                                   | *5260.00       | 97.50 AV                      |                   |                | 1.49 H                   | 42                         | 90.70                  | 6.80                           |
| 3                                                   | #10520.00      | 52.50 PK                      | 74.00             | -21.50         | 1.84 H                   | 50                         | 39.70                  | 12.80                          |
| 4                                                   | #10520.00      | 43.30 AV                      | 54.00             | -10.70         | 1.84 H                   | 50                         | 30.50                  | 12.80                          |
| 5                                                   | 15780.00       | 60.20 PK                      | 74.00             | -13.80         | 1.64 H                   | 221                        | 41.70                  | 18.50                          |
| 6                                                   | 15780.00       | 47.90 AV                      | 54.00             | -6.10          | 1.64 H                   | 221                        | 29.40                  | 18.50                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5260.00       | 114.60 PK                     |                   |                | 1.69 V                   | 212                        | 107.80                 | 6.80                           |
| 2                                                   | *5260.00       | 104.50 AV                     |                   |                | 1.69 V                   | 212                        | 97.70                  | 6.80                           |
| 3                                                   | #10520.00      | 54.70 PK                      | 74.00             | -19.30         | 1.93 V                   | 212                        | 41.90                  | 12.80                          |
| 4                                                   | #10520.00      | 47.10 AV                      | 54.00             | -6.90          | 1.93 V                   | 212                        | 34.30                  | 12.80                          |
| 5                                                   | 15780.00       | 65.10 PK                      | 74.00             | -8.90          | 1.90 V                   | 257                        | 46.60                  | 18.50                          |
| 6                                                   | 15780.00       | 51.80 AV                      | 54.00             | -2.20          | 1.90 V                   | 257                        | 33.30                  | 18.50                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 60 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5300.00       | 109.10 PK                     |                   |                | 1.52 H                   | 45                         | 102.40                 | 6.70                           |
| 2                                                   | *5300.00       | 97.60 AV                      |                   |                | 1.52 H                   | 45                         | 90.90                  | 6.70                           |
| 3                                                   | 10600.00       | 52.30 PK                      | 74.00             | -21.70         | 1.87 H                   | 35                         | 39.50                  | 12.80                          |
| 4                                                   | 10600.00       | 42.90 AV                      | 54.00             | -11.10         | 1.87 H                   | 35                         | 30.10                  | 12.80                          |
| 5                                                   | 15900.00       | 60.30 PK                      | 74.00             | -13.70         | 1.74 H                   | 210                        | 41.90                  | 18.40                          |
| 6                                                   | 15900.00       | 47.40 AV                      | 54.00             | -6.60          | 1.74 H                   | 210                        | 29.00                  | 18.40                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5300.00       | 114.40 PK                     |                   |                | 1.75 V                   | 213                        | 107.70                 | 6.70                           |
| 2                                                   | *5300.00       | 104.30 AV                     |                   |                | 1.75 V                   | 213                        | 97.60                  | 6.70                           |
| 3                                                   | 10600.00       | 54.50 PK                      | 74.00             | -19.50         | 1.94 V                   | 216                        | 41.70                  | 12.80                          |
| 4                                                   | 10600.00       | 47.10 AV                      | 54.00             | -6.90          | 1.94 V                   | 216                        | 34.30                  | 12.80                          |
| 5                                                   | 15900.00       | 65.60 PK                      | 74.00             | -8.40          | 1.86 V                   | 274                        | 47.20                  | 18.40                          |
| 6                                                   | 15900.00       | 52.50 AV                      | 54.00             | -1.50          | 1.86 V                   | 274                        | 34.10                  | 18.40                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 64 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5320.00       | 107.30 PK                     |                   |                | 1.55 H                   | 50                         | 100.60                 | 6.70                           |
| 2                                                   | *5320.00       | 96.50 AV                      |                   |                | 1.55 H                   | 50                         | 89.80                  | 6.70                           |
| 3                                                   | 5350.00        | 68.90 PK                      | 74.00             | -5.10          | 1.55 H                   | 50                         | 62.20                  | 6.70                           |
| 4                                                   | 5350.00        | 50.20 AV                      | 54.00             | -3.80          | 1.55 H                   | 50                         | 43.50                  | 6.70                           |
| 5                                                   | 10640.00       | 52.80 PK                      | 74.00             | -21.20         | 1.82 H                   | 55                         | 40.00                  | 12.80                          |
| 6                                                   | 10640.00       | 43.40 AV                      | 54.00             | -10.60         | 1.82 H                   | 55                         | 30.60                  | 12.80                          |
| 7                                                   | 15960.00       | 60.80 PK                      | 74.00             | -13.20         | 1.67 H                   | 218                        | 42.30                  | 18.50                          |
| 8                                                   | 15960.00       | 48.20 AV                      | 54.00             | -5.80          | 1.67 H                   | 218                        | 29.70                  | 18.50                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5320.00       | 114.30 PK                     |                   |                | 1.98 V                   | 244                        | 107.60                 | 6.70                           |
| 2                                                   | *5320.00       | 104.40 AV                     |                   |                | 1.98 V                   | 244                        | 97.70                  | 6.70                           |
| 3                                                   | 5350.00        | 71.20 PK                      | 74.00             | -2.80          | 1.98 V                   | 244                        | 64.50                  | 6.70                           |
| 4                                                   | 5350.00        | 51.50 AV                      | 54.00             | -2.50          | 1.98 V                   | 244                        | 44.80                  | 6.70                           |
| 5                                                   | 10640.00       | 55.30 PK                      | 74.00             | -18.70         | 2.03 V                   | 321                        | 42.50                  | 12.80                          |
| 6                                                   | 10640.00       | 47.80 AV                      | 54.00             | -6.20          | 2.03 V                   | 321                        | 35.00                  | 12.80                          |
| 7                                                   | 15960.00       | 64.80 PK                      | 74.00             | -9.20          | 2.05 V                   | 311                        | 46.30                  | 18.50                          |
| 8                                                   | 15960.00       | 50.70 AV                      | 54.00             | -3.30          | 2.05 V                   | 311                        | 32.20                  | 18.50                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 100 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5470.00       | 67.70 PK                      | 74.00             | -6.30          | 1.55 H                   | 59                         | 60.80                  | 6.90                           |
| 2                                                   | #5470.00       | 49.50 AV                      | 54.00             | -4.50          | 1.55 H                   | 59                         | 42.60                  | 6.90                           |
| 3                                                   | *5500.00       | 106.70 PK                     |                   |                | 1.55 H                   | 59                         | 99.70                  | 7.00                           |
| 4                                                   | *5500.00       | 94.30 AV                      |                   |                | 1.55 H                   | 59                         | 87.30                  | 7.00                           |
| 5                                                   | 11000.00       | 52.20 PK                      | 74.00             | -21.80         | 1.87 H                   | 28                         | 38.70                  | 13.50                          |
| 6                                                   | 11000.00       | 42.80 AV                      | 54.00             | -11.20         | 1.87 H                   | 28                         | 29.30                  | 13.50                          |
| 7                                                   | #16500.00      | 60.60 PK                      | 74.00             | -13.40         | 1.63 H                   | 202                        | 39.70                  | 20.90                          |
| 8                                                   | #16500.00      | 47.90 AV                      | 54.00             | -6.10          | 1.63 H                   | 202                        | 27.00                  | 20.90                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5470.00       | 67.30 PK                      | 74.00             | -6.70          | 2.11 V                   | 246                        | 60.40                  | 6.90                           |
| 2                                                   | #5470.00       | 52.40 AV                      | 54.00             | -1.60          | 2.11 V                   | 246                        | 45.50                  | 6.90                           |
| 3                                                   | *5500.00       | 115.20 PK                     |                   |                | 2.11 V                   | 246                        | 108.20                 | 7.00                           |
| 4                                                   | *5500.00       | 105.10 AV                     |                   |                | 2.11 V                   | 246                        | 98.10                  | 7.00                           |
| 5                                                   | 11000.00       | 55.00 PK                      | 74.00             | -19.00         | 1.96 V                   | 319                        | 41.50                  | 13.50                          |
| 6                                                   | 11000.00       | 47.20 AV                      | 54.00             | -6.80          | 1.96 V                   | 319                        | 33.70                  | 13.50                          |
| 7                                                   | #16500.00      | 64.00 PK                      | 74.00             | -10.00         | 2.05 V                   | 320                        | 43.10                  | 20.90                          |
| 8                                                   | #16500.00      | 50.10 AV                      | 54.00             | -3.90          | 2.05 V                   | 320                        | 29.20                  | 20.90                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 116 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5580.00       | 108.20 PK                     |                   |                | 1.54 H                   | 50                         | 101.10                 | 7.10                           |
| 2                                                   | *5580.00       | 96.70 AV                      |                   |                | 1.54 H                   | 50                         | 89.60                  | 7.10                           |
| 3                                                   | 11160.00       | 52.30 PK                      | 74.00             | -21.70         | 1.90 H                   | 45                         | 38.70                  | 13.60                          |
| 4                                                   | 11160.00       | 42.90 AV                      | 54.00             | -11.10         | 1.90 H                   | 45                         | 29.30                  | 13.60                          |
| 5                                                   | #16740.00      | 60.80 PK                      | 74.00             | -13.20         | 1.74 H                   | 216                        | 39.50                  | 21.30                          |
| 6                                                   | #16740.00      | 48.20 AV                      | 54.00             | -5.80          | 1.74 H                   | 216                        | 26.90                  | 21.30                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5580.00       | 114.60 PK                     |                   |                | 1.70 V                   | 238                        | 107.50                 | 7.10                           |
| 2                                                   | *5580.00       | 104.10 AV                     |                   |                | 1.70 V                   | 238                        | 97.00                  | 7.10                           |
| 3                                                   | 11160.00       | 55.10 PK                      | 74.00             | -18.90         | 1.91 V                   | 219                        | 41.50                  | 13.60                          |
| 4                                                   | 11160.00       | 47.50 AV                      | 54.00             | -6.50          | 1.91 V                   | 219                        | 33.90                  | 13.60                          |
| 5                                                   | #16740.00      | 65.50 PK                      | 74.00             | -8.50          | 1.81 V                   | 253                        | 44.20                  | 21.30                          |
| 6                                                   | #16740.00      | 52.40 AV                      | 54.00             | -1.60          | 1.81 V                   | 253                        | 31.10                  | 21.30                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 140 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5700.00       | 106.30 PK                     |                   |                | 1.60 H                   | 60                         | 98.70                  | 7.60                           |
| 2                                                   | *5700.00       | 93.80 AV                      |                   |                | 1.60 H                   | 60                         | 86.20                  | 7.60                           |
| 3                                                   | #5725.00       | 67.20 PK                      | 74.00             | -6.80          | 1.60 H                   | 60                         | 59.50                  | 7.70                           |
| 4                                                   | #5725.00       | 49.10 AV                      | 54.00             | -4.90          | 1.60 H                   | 60                         | 41.40                  | 7.70                           |
| 5                                                   | 11400.00       | 52.20 PK                      | 74.00             | -21.80         | 1.94 H                   | 29                         | 38.90                  | 13.30                          |
| 6                                                   | 11400.00       | 42.70 AV                      | 54.00             | -11.30         | 1.94 H                   | 29                         | 29.40                  | 13.30                          |
| 7                                                   | #17100.00      | 60.40 PK                      | 74.00             | -13.60         | 1.70 H                   | 197                        | 38.10                  | 22.30                          |
| 8                                                   | #17100.00      | 47.90 AV                      | 54.00             | -6.10          | 1.70 H                   | 197                        | 25.60                  | 22.30                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5700.00       | 112.90 PK                     |                   |                | 2.11 V                   | 246                        | 105.30                 | 7.60                           |
| 2                                                   | *5700.00       | 103.50 AV                     |                   |                | 2.11 V                   | 246                        | 95.90                  | 7.60                           |
| 3                                                   | #5725.00       | 68.50 PK                      | 74.00             | -5.50          | 2.11 V                   | 246                        | 60.80                  | 7.70                           |
| 4                                                   | #5725.00       | 51.30 AV                      | 54.00             | -2.70          | 2.11 V                   | 246                        | 43.60                  | 7.70                           |
| 5                                                   | 11400.00       | 55.30 PK                      | 74.00             | -18.70         | 1.96 V                   | 316                        | 42.00                  | 13.30                          |
| 6                                                   | 11400.00       | 47.80 AV                      | 54.00             | -6.20          | 1.96 V                   | 316                        | 34.50                  | 13.30                          |
| 7                                                   | #17100.00      | 64.60 PK                      | 74.00             | -9.40          | 2.03 V                   | 336                        | 42.30                  | 22.30                          |
| 8                                                   | #17100.00      | 50.30 AV                      | 54.00             | -3.70          | 2.03 V                   | 336                        | 28.00                  | 22.30                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 149 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5571.60       | 63.79 PK                      | 68.20             | -4.41          | 2.46 H                   | 252                        | 52.82                  | 10.97                          |
| 2                                                   | *5745.00       | 109.30 PK                     |                   |                | 2.46 H                   | 252                        | 101.60                 | 7.70                           |
| 3                                                   | *5745.00       | 100.10 AV                     |                   |                | 2.46 H                   | 252                        | 92.40                  | 7.70                           |
| 4                                                   | #6004.46       | 64.07 PK                      | 68.20             | -4.13          | 2.46 H                   | 252                        | 52.80                  | 11.27                          |
| 5                                                   | 11490.00       | 51.90 PK                      | 74.00             | -22.10         | 1.86 H                   | 48                         | 38.80                  | 13.10                          |
| 6                                                   | 11490.00       | 43.00 AV                      | 54.00             | -11.00         | 1.86 H                   | 48                         | 29.90                  | 13.10                          |
| 7                                                   | #17235.00      | 60.30 PK                      | 74.00             | -13.70         | 1.72 H                   | 218                        | 37.30                  | 23.00                          |
| 8                                                   | #17235.00      | 47.70 AV                      | 54.00             | -6.30          | 1.72 H                   | 218                        | 24.70                  | 23.00                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5626.40       | 63.28 PK                      | 68.20             | -4.92          | 2.05 V                   | 244                        | 52.25                  | 11.03                          |
| 2                                                   | *5745.00       | 116.40 PK                     |                   |                | 2.05 V                   | 244                        | 108.70                 | 7.70                           |
| 3                                                   | *5745.00       | 107.80 AV                     |                   |                | 2.05 V                   | 244                        | 100.10                 | 7.70                           |
| 4                                                   | #6012.90       | 64.55 PK                      | 68.20             | -3.65          | 2.05 V                   | 244                        | 53.30                  | 11.25                          |
| 5                                                   | 11490.00       | 54.70 PK                      | 74.00             | -19.30         | 1.91 V                   | 214                        | 41.60                  | 13.10                          |
| 6                                                   | 11490.00       | 46.90 AV                      | 54.00             | -7.10          | 1.91 V                   | 214                        | 33.80                  | 13.10                          |
| 7                                                   | #17235.00      | 65.20 PK                      | 74.00             | -8.80          | 1.84 V                   | 268                        | 42.20                  | 23.00                          |
| 8                                                   | #17235.00      | 52.10 AV                      | 54.00             | -1.90          | 1.84 V                   | 268                        | 29.10                  | 23.00                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 157 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5643.25       | 64.68 PK                      | 68.20             | -3.52          | 2.32 H                   | 254                        | 53.62                  | 11.06                          |
| 2                                                   | *5785.00       | 109.10 PK                     |                   |                | 2.32 H                   | 254                        | 101.30                 | 7.80                           |
| 3                                                   | *5785.00       | 100.60 AV                     |                   |                | 2.32 H                   | 254                        | 92.80                  | 7.80                           |
| 4                                                   | #5988.79       | 63.94 PK                      | 68.20             | -4.26          | 2.32 H                   | 254                        | 52.74                  | 11.20                          |
| 5                                                   | 11570.00       | 52.20 PK                      | 74.00             | -21.80         | 1.89 H                   | 32                         | 38.90                  | 13.30                          |
| 6                                                   | 11570.00       | 42.80 AV                      | 54.00             | -11.20         | 1.89 H                   | 32                         | 29.50                  | 13.30                          |
| 7                                                   | #17355.00      | 60.70 PK                      | 74.00             | -13.30         | 1.69 H                   | 195                        | 37.60                  | 23.10                          |
| 8                                                   | #17355.00      | 48.20 AV                      | 54.00             | -5.80          | 1.69 H                   | 195                        | 25.10                  | 23.10                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5631.65       | 64.58 PK                      | 68.20             | -3.62          | 2.15 V                   | 236                        | 53.54                  | 11.04                          |
| 2                                                   | *5785.00       | 115.80 PK                     |                   |                | 2.15 V                   | 236                        | 108.00                 | 7.80                           |
| 3                                                   | *5785.00       | 107.20 AV                     |                   |                | 2.15 V                   | 236                        | 99.40                  | 7.80                           |
| 4                                                   | #5936.48       | 63.75 PK                      | 68.20             | -4.45          | 2.15 V                   | 236                        | 52.86                  | 10.89                          |
| 5                                                   | 11570.00       | 55.50 PK                      | 74.00             | -18.50         | 2.00 V                   | 208                        | 42.20                  | 13.30                          |
| 6                                                   | 11570.00       | 47.80 AV                      | 54.00             | -6.20          | 2.00 V                   | 208                        | 34.50                  | 13.30                          |
| 7                                                   | #17355.00      | 65.30 PK                      | 74.00             | -8.70          | 1.88 V                   | 269                        | 42.20                  | 23.10                          |
| 8                                                   | #17355.00      | 51.80 AV                      | 54.00             | -2.20          | 1.88 V                   | 269                        | 28.70                  | 23.10                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 165 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5629.74       | 63.88 PK                      | 68.20             | -4.32          | 2.44 H                   | 255                        | 52.85                  | 11.03                          |
| 2                                                   | *5825.00       | 109.70 PK                     |                   |                | 2.44 H                   | 255                        | 102.00                 | 7.70                           |
| 3                                                   | *5825.00       | 101.30 AV                     |                   |                | 2.44 H                   | 255                        | 93.60                  | 7.70                           |
| 4                                                   | #6004.82       | 64.32 PK                      | 68.20             | -3.88          | 2.44 H                   | 255                        | 53.05                  | 11.27                          |
| 5                                                   | 11650.00       | 52.00 PK                      | 74.00             | -22.00         | 1.86 H                   | 51                         | 38.80                  | 13.20                          |
| 6                                                   | 11650.00       | 42.70 AV                      | 54.00             | -11.30         | 1.86 H                   | 51                         | 29.50                  | 13.20                          |
| 7                                                   | #17475.00      | 59.90 PK                      | 74.00             | -14.10         | 1.74 H                   | 221                        | 36.80                  | 23.10                          |
| 8                                                   | #17475.00      | 47.50 AV                      | 54.00             | -6.50          | 1.74 H                   | 221                        | 24.40                  | 23.10                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5600.91       | 65.47 PK                      | 68.20             | -2.73          | 2.18 V                   | 237                        | 54.52                  | 10.95                          |
| 2                                                   | *5825.00       | 116.50 PK                     |                   |                | 2.18 V                   | 237                        | 108.80                 | 7.70                           |
| 3                                                   | *5825.00       | 107.60 AV                     |                   |                | 2.18 V                   | 237                        | 99.90                  | 7.70                           |
| 4                                                   | #6014.88       | 64.41 PK                      | 68.20             | -3.79          | 2.18 V                   | 237                        | 53.16                  | 11.25                          |
| 5                                                   | 11650.00       | 54.80 PK                      | 74.00             | -19.20         | 1.97 V                   | 210                        | 41.60                  | 13.20                          |
| 6                                                   | 11650.00       | 47.00 AV                      | 54.00             | -7.00          | 1.97 V                   | 210                        | 33.80                  | 13.20                          |
| 7                                                   | #17475.00      | 65.50 PK                      | 74.00             | -8.50          | 1.92 V                   | 264                        | 42.40                  | 23.10                          |
| 8                                                   | #17475.00      | 52.40 AV                      | 54.00             | -1.60          | 1.92 V                   | 264                        | 29.30                  | 23.10                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

# 802.11ac (VHT40)

|                 |               |                      |              |
|-----------------|---------------|----------------------|--------------|
| CHANNEL         | TX Channel 38 | DETECTOR<br>FUNCTION | Peak (PK)    |
| FREQUENCY RANGE | 1GHz ~ 40GHz  |                      | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5150.00        | 61.60 PK                      | 74.00             | -12.40         | 1.63 H                   | 74                         | 55.10                  | 6.50                           |
| 2                                                   | 5150.00        | 49.30 AV                      | 54.00             | -4.70          | 1.63 H                   | 74                         | 42.80                  | 6.50                           |
| 3                                                   | *5190.00       | 102.50 PK                     |                   |                | 1.63 H                   | 74                         | 95.80                  | 6.70                           |
| 4                                                   | *5190.00       | 90.20 AV                      |                   |                | 1.63 H                   | 74                         | 83.50                  | 6.70                           |
| 5                                                   | #10380.00      | 51.70 PK                      | 74.00             | -22.30         | 1.90 H                   | 29                         | 38.90                  | 12.80                          |
| 6                                                   | #10380.00      | 42.60 AV                      | 54.00             | -11.40         | 1.90 H                   | 29                         | 29.80                  | 12.80                          |
| 7                                                   | 15570.00       | 60.00 PK                      | 74.00             | -14.00         | 1.70 H                   | 204                        | 41.90                  | 18.10                          |
| 8                                                   | 15570.00       | 47.60 AV                      | 54.00             | -6.40          | 1.70 H                   | 204                        | 29.50                  | 18.10                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5150.00        | 66.80 PK                      | 74.00             | -7.20          | 2.13 V                   | 232                        | 60.30                  | 6.50                           |
| 2                                                   | 5150.00        | 53.70 AV                      | 54.00             | -0.30          | 2.13 V                   | 232                        | 47.20                  | 6.50                           |
| 3                                                   | *5190.00       | 105.50 PK                     |                   |                | 1.67 V                   | 337                        | 98.80                  | 6.70                           |
| 4                                                   | *5190.00       | 95.20 AV                      |                   |                | 1.67 V                   | 337                        | 88.50                  | 6.70                           |
| 5                                                   | #10380.00      | 54.50 PK                      | 74.00             | -19.50         | 2.01 V                   | 317                        | 41.70                  | 12.80                          |
| 6                                                   | #10380.00      | 47.00 AV                      | 54.00             | -7.00          | 2.01 V                   | 317                        | 34.20                  | 12.80                          |
| 7                                                   | 15570.00       | 64.40 PK                      | 74.00             | -9.60          | 2.10 V                   | 328                        | 46.30                  | 18.10                          |
| 8                                                   | 15570.00       | 50.10 AV                      | 54.00             | -3.90          | 2.10 V                   | 328                        | 32.00                  | 18.10                          |

## REMARKS:

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

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 46 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5230.00       | 106.20 PK                     |                   |                | 1.60 H                   | 56                         | 99.50                  | 6.70                           |
| 2                                                   | *5230.00       | 94.50 AV                      |                   |                | 1.60 H                   | 56                         | 87.80                  | 6.70                           |
| 3                                                   | 5350.00        | 56.40 PK                      | 74.00             | -17.60         | 1.60 H                   | 56                         | 49.70                  | 6.70                           |
| 4                                                   | 5350.00        | 41.60 AV                      | 54.00             | -12.40         | 1.60 H                   | 56                         | 34.90                  | 6.70                           |
| 5                                                   | #10460.00      | 52.00 PK                      | 74.00             | -22.00         | 1.90 H                   | 47                         | 39.20                  | 12.80                          |
| 6                                                   | #10460.00      | 43.00 AV                      | 54.00             | -11.00         | 1.90 H                   | 47                         | 30.20                  | 12.80                          |
| 7                                                   | 15690.00       | 61.00 PK                      | 74.00             | -13.00         | 1.71 H                   | 215                        | 42.30                  | 18.70                          |
| 8                                                   | 15690.00       | 48.10 AV                      | 54.00             | -5.90          | 1.71 H                   | 215                        | 29.40                  | 18.70                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5230.00       | 112.10 PK                     |                   |                | 1.26 V                   | 105                        | 105.40                 | 6.70                           |
| 2                                                   | *5230.00       | 100.80 AV                     |                   |                | 1.26 V                   | 105                        | 94.10                  | 6.70                           |
| 3                                                   | 5350.00        | 59.20 PK                      | 74.00             | -14.80         | 1.26 V                   | 105                        | 52.50                  | 6.70                           |
| 4                                                   | 5350.00        | 46.10 AV                      | 54.00             | -7.90          | 1.26 V                   | 105                        | 39.40                  | 6.70                           |
| 5                                                   | #10460.00      | 54.70 PK                      | 74.00             | -19.30         | 1.96 V                   | 219                        | 41.90                  | 12.80                          |
| 6                                                   | #10460.00      | 46.90 AV                      | 54.00             | -7.10          | 1.96 V                   | 219                        | 34.10                  | 12.80                          |
| 7                                                   | 15690.00       | 64.90 PK                      | 74.00             | -9.10          | 1.82 V                   | 279                        | 46.20                  | 18.70                          |
| 8                                                   | 15690.00       | 51.60 AV                      | 54.00             | -2.40          | 1.82 V                   | 279                        | 32.90                  | 18.70                          |

#### 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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 54 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5150.00        | 56.80 PK                      | 74.00             | -17.20         | 1.63 H                   | 52                         | 50.30                  | 6.50                           |
| 2                                                   | 5150.00        | 41.80 AV                      | 54.00             | -12.20         | 1.63 H                   | 52                         | 35.30                  | 6.50                           |
| 3                                                   | *5270.00       | 106.40 PK                     |                   |                | 1.63 H                   | 52                         | 99.70                  | 6.70                           |
| 4                                                   | *5270.00       | 94.50 AV                      |                   |                | 1.63 H                   | 52                         | 87.80                  | 6.70                           |
| 5                                                   | #10540.00      | 52.30 PK                      | 74.00             | -21.70         | 1.90 H                   | 53                         | 39.50                  | 12.80                          |
| 6                                                   | #10540.00      | 43.20 AV                      | 54.00             | -10.80         | 1.90 H                   | 53                         | 30.40                  | 12.80                          |
| 7                                                   | 15810.00       | 60.60 PK                      | 74.00             | -13.40         | 1.63 H                   | 199                        | 42.20                  | 18.40                          |
| 8                                                   | 15810.00       | 48.10 AV                      | 54.00             | -5.90          | 1.63 H                   | 199                        | 29.70                  | 18.40                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5150.00        | 58.20 PK                      | 74.00             | -15.80         | 1.58 V                   | 39                         | 51.70                  | 6.50                           |
| 2                                                   | 5150.00        | 46.20 AV                      | 54.00             | -7.80          | 1.58 V                   | 39                         | 39.70                  | 6.50                           |
| 3                                                   | *5270.00       | 109.00 PK                     |                   |                | 1.58 V                   | 39                         | 102.30                 | 6.70                           |
| 4                                                   | *5270.00       | 98.50 AV                      |                   |                | 1.58 V                   | 39                         | 91.80                  | 6.70                           |
| 5                                                   | #10540.00      | 54.80 PK                      | 74.00             | -19.20         | 1.95 V                   | 230                        | 42.00                  | 12.80                          |
| 6                                                   | #10540.00      | 47.10 AV                      | 54.00             | -6.90          | 1.95 V                   | 230                        | 34.30                  | 12.80                          |
| 7                                                   | 15810.00       | 64.90 PK                      | 74.00             | -9.10          | 1.89 V                   | 260                        | 46.50                  | 18.40                          |
| 8                                                   | 15810.00       | 51.80 AV                      | 54.00             | -2.20          | 1.89 V                   | 260                        | 33.40                  | 18.40                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 62 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5310.00       | 105.70 PK                     |                   |                | 1.62 H                   | 55                         | 99.00                  | 6.70                           |
| 2                                                   | *5310.00       | 93.40 AV                      |                   |                | 1.62 H                   | 55                         | 86.70                  | 6.70                           |
| 3                                                   | 5350.00        | 69.00 PK                      | 74.00             | -5.00          | 1.62 H                   | 55                         | 62.30                  | 6.70                           |
| 4                                                   | 5350.00        | 49.40 AV                      | 54.00             | -4.60          | 1.62 H                   | 55                         | 42.70                  | 6.70                           |
| 5                                                   | 10620.00       | 52.50 PK                      | 74.00             | -21.50         | 1.88 H                   | 37                         | 39.70                  | 12.80                          |
| 6                                                   | 10620.00       | 43.30 AV                      | 54.00             | -10.70         | 1.88 H                   | 37                         | 30.50                  | 12.80                          |
| 7                                                   | 15930.00       | 60.50 PK                      | 74.00             | -13.50         | 1.67 H                   | 220                        | 42.00                  | 18.50                          |
| 8                                                   | 15930.00       | 48.20 AV                      | 54.00             | -5.80          | 1.67 H                   | 220                        | 29.70                  | 18.50                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5310.00       | 109.30 PK                     |                   |                | 2.16 V                   | 234                        | 102.60                 | 6.70                           |
| 2                                                   | *5310.00       | 100.10 AV                     |                   |                | 2.16 V                   | 234                        | 93.40                  | 6.70                           |
| 3                                                   | 5350.00        | 71.90 PK                      | 74.00             | -2.10          | 2.16 V                   | 234                        | 65.20                  | 6.70                           |
| 4                                                   | 5350.00        | 53.90 AV                      | 54.00             | -0.10          | 2.16 V                   | 234                        | 47.20                  | 6.70                           |
| 5                                                   | 10620.00       | 55.40 PK                      | 74.00             | -18.60         | 1.99 V                   | 311                        | 42.60                  | 12.80                          |
| 6                                                   | 10620.00       | 47.50 AV                      | 54.00             | -6.50          | 1.99 V                   | 311                        | 34.70                  | 12.80                          |
| 7                                                   | 15930.00       | 64.50 PK                      | 74.00             | -9.50          | 2.08 V                   | 317                        | 46.00                  | 18.50                          |
| 8                                                   | 15930.00       | 50.50 AV                      | 54.00             | -3.50          | 2.08 V                   | 317                        | 32.00                  | 18.50                          |

#### 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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 102 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5470.00       | 66.00 PK                      | 74.00             | -8.00          | 1.61 H                   | 67                         | 59.10                  | 6.90                           |
| 2                                                   | #5470.00       | 49.10 AV                      | 54.00             | -4.90          | 1.61 H                   | 67                         | 42.20                  | 6.90                           |
| 3                                                   | *5510.00       | 101.60 PK                     |                   |                | 1.61 H                   | 67                         | 94.60                  | 7.00                           |
| 4                                                   | *5510.00       | 90.60 AV                      |                   |                | 1.61 H                   | 67                         | 83.60                  | 7.00                           |
| 5                                                   | 11020.00       | 52.10 PK                      | 74.00             | -21.90         | 1.88 H                   | 31                         | 38.60                  | 13.50                          |
| 6                                                   | 11020.00       | 42.90 AV                      | 54.00             | -11.10         | 1.88 H                   | 31                         | 29.40                  | 13.50                          |
| 7                                                   | #16530.00      | 60.10 PK                      | 74.00             | -13.90         | 1.71 H                   | 204                        | 39.30                  | 20.80                          |
| 8                                                   | #16530.00      | 47.40 AV                      | 54.00             | -6.60          | 1.71 H                   | 204                        | 26.60                  | 20.80                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5470.00       | 68.90 PK                      | 74.00             | -5.10          | 2.31 V                   | 255                        | 62.00                  | 6.90                           |
| 2                                                   | #5470.00       | 53.90 AV                      | 54.00             | -0.10          | 2.31 V                   | 255                        | 47.00                  | 6.90                           |
| 3                                                   | *5510.00       | 107.10 PK                     |                   |                | 2.31 V                   | 255                        | 100.10                 | 7.00                           |
| 4                                                   | *5510.00       | 97.30 AV                      |                   |                | 2.31 V                   | 255                        | 90.30                  | 7.00                           |
| 5                                                   | 11020.00       | 55.30 PK                      | 74.00             | -18.70         | 1.98 V                   | 320                        | 41.80                  | 13.50                          |
| 6                                                   | 11020.00       | 47.30 AV                      | 54.00             | -6.70          | 1.98 V                   | 320                        | 33.80                  | 13.50                          |
| 7                                                   | #16530.00      | 64.10 PK                      | 74.00             | -9.90          | 2.05 V                   | 316                        | 43.30                  | 20.80                          |
| 8                                                   | #16530.00      | 50.20 AV                      | 54.00             | -3.80          | 2.05 V                   | 316                        | 29.40                  | 20.80                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 110 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5550.00       | 106.50 PK                     |                   |                | 1.57 H                   | 54                         | 99.40                  | 7.10                           |
| 2                                                   | *5550.00       | 94.80 AV                      |                   |                | 1.57 H                   | 54                         | 87.70                  | 7.10                           |
| 3                                                   | 11100.00       | 52.20 PK                      | 74.00             | -21.80         | 1.84 H                   | 47                         | 38.60                  | 13.60                          |
| 4                                                   | 11100.00       | 42.80 AV                      | 54.00             | -11.20         | 1.84 H                   | 47                         | 29.20                  | 13.60                          |
| 5                                                   | #16650.00      | 60.40 PK                      | 74.00             | -13.60         | 1.71 H                   | 190                        | 39.40                  | 21.00                          |
| 6                                                   | #16650.00      | 47.80 AV                      | 54.00             | -6.20          | 1.71 H                   | 190                        | 26.80                  | 21.00                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5550.00       | 115.20 PK                     |                   |                | 2.54 V                   | 266                        | 108.10                 | 7.10                           |
| 2                                                   | *5550.00       | 105.10 AV                     |                   |                | 2.54 V                   | 266                        | 98.00                  | 7.10                           |
| 3                                                   | 11100.00       | 54.50 PK                      | 74.00             | -19.50         | 1.91 V                   | 234                        | 40.90                  | 13.60                          |
| 4                                                   | 11100.00       | 47.00 AV                      | 54.00             | -7.00          | 1.91 V                   | 234                        | 33.40                  | 13.60                          |
| 5                                                   | #16650.00      | 64.80 PK                      | 74.00             | -9.20          | 1.90 V                   | 258                        | 43.80                  | 21.00                          |
| 6                                                   | #16650.00      | 51.80 AV                      | 54.00             | -2.20          | 1.90 V                   | 258                        | 30.80                  | 21.00                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 134 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5670.00       | 106.00 PK                     |                   |                | 1.63 H                   | 57                         | 98.50                  | 7.50                           |
| 2                                                   | *5670.00       | 93.60 AV                      |                   |                | 1.63 H                   | 57                         | 86.10                  | 7.50                           |
| 3                                                   | #5725.00       | 69.80 PK                      | 74.00             | -4.20          | 1.63 H                   | 57                         | 62.10                  | 7.70                           |
| 4                                                   | #5725.00       | 49.90 AV                      | 54.00             | -4.10          | 1.63 H                   | 57                         | 42.20                  | 7.70                           |
| 5                                                   | 11340.00       | 52.00 PK                      | 74.00             | -22.00         | 1.90 H                   | 50                         | 38.60                  | 13.40                          |
| 6                                                   | 11340.00       | 43.00 AV                      | 54.00             | -11.00         | 1.90 H                   | 50                         | 29.60                  | 13.40                          |
| 7                                                   | #17010.00      | 60.30 PK                      | 74.00             | -13.70         | 1.65 H                   | 210                        | 38.20                  | 22.10                          |
| 8                                                   | #17010.00      | 47.70 AV                      | 54.00             | -6.30          | 1.65 H                   | 210                        | 25.60                  | 22.10                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5670.00       | 111.70 PK                     |                   |                | 2.59 V                   | 254                        | 104.20                 | 7.50                           |
| 2                                                   | *5670.00       | 100.90 AV                     |                   |                | 2.59 V                   | 254                        | 93.40                  | 7.50                           |
| 3                                                   | #5725.00       | 68.40 PK                      | 74.00             | -5.60          | 2.59 V                   | 254                        | 60.70                  | 7.70                           |
| 4                                                   | #5725.00       | 53.00 AV                      | 54.00             | -1.00          | 2.59 V                   | 254                        | 45.30                  | 7.70                           |
| 5                                                   | 11340.00       | 54.80 PK                      | 74.00             | -19.20         | 1.97 V                   | 303                        | 41.40                  | 13.40                          |
| 6                                                   | 11340.00       | 47.30 AV                      | 54.00             | -6.70          | 1.97 V                   | 303                        | 33.90                  | 13.40                          |
| 7                                                   | #17010.00      | 64.00 PK                      | 74.00             | -10.00         | 2.03 V                   | 337                        | 41.90                  | 22.10                          |
| 8                                                   | #17010.00      | 49.90 AV                      | 54.00             | -4.10          | 2.03 V                   | 337                        | 27.80                  | 22.10                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 151 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5584.95       | 63.72 PK                      | 68.20             | -4.48          | 2.35 H                   | 252                        | 52.75                  | 10.97                          |
| 2                                                   | *5755.00       | 105.60 PK                     |                   |                | 2.35 H                   | 252                        | 97.90                  | 7.70                           |
| 3                                                   | *5755.00       | 96.20 AV                      |                   |                | 2.35 H                   | 252                        | 88.50                  | 7.70                           |
| 4                                                   | #6008.89       | 64.25 PK                      | 68.20             | -3.95          | 2.35 H                   | 252                        | 52.98                  | 11.27                          |
| 5                                                   | 11510.00       | 52.40 PK                      | 74.00             | -21.60         | 1.83 H                   | 40                         | 39.30                  | 13.10                          |
| 6                                                   | 11510.00       | 43.40 AV                      | 54.00             | -10.60         | 1.83 H                   | 40                         | 30.30                  | 13.10                          |
| 7                                                   | #17265.00      | 59.70 PK                      | 74.00             | -14.30         | 1.75 H                   | 199                        | 36.50                  | 23.20                          |
| 8                                                   | #17265.00      | 47.40 AV                      | 54.00             | -6.60          | 1.75 H                   | 199                        | 24.20                  | 23.20                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5600.86       | 64.40 PK                      | 68.20             | -3.80          | 2.68 V                   | 255                        | 53.45                  | 10.95                          |
| 2                                                   | *5755.00       | 112.70 PK                     |                   |                | 2.68 V                   | 255                        | 105.00                 | 7.70                           |
| 3                                                   | *5755.00       | 104.50 AV                     |                   |                | 2.68 V                   | 255                        | 96.80                  | 7.70                           |
| 4                                                   | #5924.16       | 64.15 PK                      | 68.82             | -4.67          | 2.68 V                   | 255                        | 53.34                  | 10.81                          |
| 5                                                   | 11510.00       | 54.80 PK                      | 74.00             | -19.20         | 1.92 V                   | 228                        | 41.70                  | 13.10                          |
| 6                                                   | 11510.00       | 47.20 AV                      | 54.00             | -6.80          | 1.92 V                   | 228                        | 34.10                  | 13.10                          |
| 7                                                   | #17265.00      | 65.50 PK                      | 74.00             | -8.50          | 1.88 V                   | 266                        | 42.30                  | 23.20                          |
| 8                                                   | #17265.00      | 52.40 AV                      | 54.00             | -1.60          | 1.88 V                   | 266                        | 29.20                  | 23.20                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 159 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5579.88       | 63.58 PK                      | 68.20             | -4.62          | 2.51 H                   | 253                        | 52.61                  | 10.97                          |
| 2                                                   | *5795.00       | 105.30 PK                     |                   |                | 2.51 H                   | 253                        | 97.50                  | 7.80                           |
| 3                                                   | *5795.00       | 96.60 AV                      |                   |                | 2.51 H                   | 253                        | 88.80                  | 7.80                           |
| 4                                                   | #5980.14       | 63.38 PK                      | 68.20             | -4.82          | 2.51 H                   | 253                        | 52.23                  | 11.15                          |
| 5                                                   | 11590.00       | 51.90 PK                      | 74.00             | -22.10         | 1.86 H                   | 28                         | 38.70                  | 13.20                          |
| 6                                                   | 11590.00       | 42.90 AV                      | 54.00             | -11.10         | 1.86 H                   | 28                         | 29.70                  | 13.20                          |
| 7                                                   | #17385.00      | 60.40 PK                      | 74.00             | -13.60         | 1.66 H                   | 221                        | 37.30                  | 23.10                          |
| 8                                                   | #17385.00      | 47.70 AV                      | 54.00             | -6.30          | 1.66 H                   | 221                        | 24.60                  | 23.10                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5628.05       | 64.56 PK                      | 68.20             | -3.64          | 2.68 V                   | 277                        | 53.54                  | 11.02                          |
| 2                                                   | *5795.00       | 113.90 PK                     |                   |                | 2.68 V                   | 277                        | 106.10                 | 7.80                           |
| 3                                                   | *5795.00       | 104.20 AV                     |                   |                | 2.68 V                   | 277                        | 96.40                  | 7.80                           |
| 4                                                   | #6013.61       | 64.76 PK                      | 68.20             | -3.44          | 2.68 V                   | 277                        | 53.50                  | 11.26                          |
| 5                                                   | 11590.00       | 55.20 PK                      | 74.00             | -18.80         | 1.95 V                   | 234                        | 42.00                  | 13.20                          |
| 6                                                   | 11590.00       | 47.30 AV                      | 54.00             | -6.70          | 1.95 V                   | 234                        | 34.10                  | 13.20                          |
| 7                                                   | #17385.00      | 65.20 PK                      | 74.00             | -8.80          | 1.91 V                   | 280                        | 42.10                  | 23.10                          |
| 8                                                   | #17385.00      | 51.70 AV                      | 54.00             | -2.30          | 1.91 V                   | 280                        | 28.60                  | 23.10                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

# 802.11ac (VHT80)

|                 |               |                      |              |
|-----------------|---------------|----------------------|--------------|
| CHANNEL         | TX Channel 42 | DETECTOR<br>FUNCTION | Peak (PK)    |
| FREQUENCY RANGE | 1GHz ~ 40GHz  |                      | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5150.00        | 65.20 PK                      | 74.00             | -8.80          | 1.70 H                   | 30                         | 58.70                  | 6.50                           |
| 2                                                   | 5150.00        | 48.50 AV                      | 54.00             | -5.50          | 1.70 H                   | 30                         | 42.00                  | 6.50                           |
| 3                                                   | *5210.00       | 98.60 PK                      |                   |                | 1.70 H                   | 30                         | 91.90                  | 6.70                           |
| 4                                                   | *5210.00       | 86.70 AV                      |                   |                | 1.70 H                   | 30                         | 80.00                  | 6.70                           |
| 5                                                   | #10420.00      | 52.70 PK                      | 74.00             | -21.30         | 1.83 H                   | 58                         | 39.90                  | 12.80                          |
| 6                                                   | #10420.00      | 43.30 AV                      | 54.00             | -10.70         | 1.83 H                   | 58                         | 30.50                  | 12.80                          |
| 7                                                   | 15630.00       | 60.10 PK                      | 74.00             | -13.90         | 1.74 H                   | 204                        | 41.70                  | 18.40                          |
| 8                                                   | 15630.00       | 47.70 AV                      | 54.00             | -6.30          | 1.74 H                   | 204                        | 29.30                  | 18.40                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5150.00        | 68.10 PK                      | 74.00             | -5.90          | 2.61 V                   | 252                        | 61.60                  | 6.50                           |
| 2                                                   | 5150.00        | 53.10 AV                      | 54.00             | -0.90          | 2.61 V                   | 252                        | 46.60                  | 6.50                           |
| 3                                                   | *5210.00       | 103.10 PK                     |                   |                | 2.61 V                   | 252                        | 96.40                  | 6.70                           |
| 4                                                   | *5210.00       | 92.00 AV                      |                   |                | 2.61 V                   | 252                        | 85.30                  | 6.70                           |
| 5                                                   | #10420.00      | 55.40 PK                      | 74.00             | -18.60         | 2.02 V                   | 324                        | 42.60                  | 12.80                          |
| 6                                                   | #10420.00      | 47.60 AV                      | 54.00             | -6.40          | 2.02 V                   | 324                        | 34.80                  | 12.80                          |
| 7                                                   | 15630.00       | 64.20 PK                      | 74.00             | -9.80          | 2.05 V                   | 321                        | 45.80                  | 18.40                          |
| 8                                                   | 15630.00       | 49.80 AV                      | 54.00             | -4.20          | 2.05 V                   | 321                        | 31.40                  | 18.40                          |

## REMARKS:

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

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 58 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5290.00       | 99.60 PK                      |                   |                | 1.55 H                   | 50                         | 92.90                  | 6.70                           |
| 2                                                   | *5290.00       | 87.90 AV                      |                   |                | 1.55 H                   | 50                         | 81.20                  | 6.70                           |
| 3                                                   | 5350.00        | 65.70 PK                      | 74.00             | -8.30          | 1.55 H                   | 50                         | 59.00                  | 6.70                           |
| 4                                                   | 5350.00        | 49.40 AV                      | 54.00             | -4.60          | 1.55 H                   | 50                         | 42.70                  | 6.70                           |
| 5                                                   | #10580.00      | 52.30 PK                      | 74.00             | -21.70         | 1.88 H                   | 56                         | 39.50                  | 12.80                          |
| 6                                                   | #10580.00      | 42.90 AV                      | 54.00             | -11.10         | 1.88 H                   | 56                         | 30.10                  | 12.80                          |
| 7                                                   | 15870.00       | 61.10 PK                      | 74.00             | -12.90         | 1.69 H                   | 215                        | 42.70                  | 18.40                          |
| 8                                                   | 15870.00       | 48.30 AV                      | 54.00             | -5.70          | 1.69 H                   | 215                        | 29.90                  | 18.40                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5290.00       | 103.10 PK                     |                   |                | 2.77 V                   | 265                        | 96.40                  | 6.70                           |
| 2                                                   | *5290.00       | 92.30 AV                      |                   |                | 2.77 V                   | 265                        | 85.60                  | 6.70                           |
| 3                                                   | 5350.00        | 67.70 PK                      | 74.00             | -6.30          | 2.77 V                   | 265                        | 61.00                  | 6.70                           |
| 4                                                   | 5350.00        | 53.60 AV                      | 54.00             | -0.40          | 2.77 V                   | 265                        | 46.90                  | 6.70                           |
| 5                                                   | #10580.00      | 55.00 PK                      | 74.00             | -19.00         | 2.02 V                   | 308                        | 42.20                  | 12.80                          |
| 6                                                   | #10580.00      | 47.40 AV                      | 54.00             | -6.60          | 2.02 V                   | 308                        | 34.60                  | 12.80                          |
| 7                                                   | 15870.00       | 63.80 PK                      | 74.00             | -10.20         | 2.10 V                   | 337                        | 45.40                  | 18.40                          |
| 8                                                   | 15870.00       | 49.80 AV                      | 54.00             | -4.20          | 2.10 V                   | 337                        | 31.40                  | 18.40                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 106 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5456.00        | 67.10 PK                      | 74.00             | -6.90          | 1.60 H                   | 30                         | 60.20                  | 6.90                           |
| 2                                                   | 5456.00        | 49.50 AV                      | 54.00             | -4.50          | 1.60 H                   | 30                         | 42.60                  | 6.90                           |
| 3                                                   | *5530.00       | 101.80 PK                     |                   |                | 1.60 H                   | 30                         | 94.80                  | 7.00                           |
| 4                                                   | *5530.00       | 88.40 AV                      |                   |                | 1.60 H                   | 30                         | 81.40                  | 7.00                           |
| 5                                                   | 11060.00       | 52.60 PK                      | 74.00             | -21.40         | 1.84 H                   | 49                         | 39.00                  | 13.60                          |
| 6                                                   | 11060.00       | 43.30 AV                      | 54.00             | -10.70         | 1.84 H                   | 49                         | 29.70                  | 13.60                          |
| 7                                                   | #16590.00      | 60.40 PK                      | 74.00             | -13.60         | 1.66 H                   | 210                        | 39.50                  | 20.90                          |
| 8                                                   | #16590.00      | 48.00 AV                      | 54.00             | -6.00          | 1.66 H                   | 210                        | 27.10                  | 20.90                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5456.00        | 70.60 PK                      | 74.00             | -3.40          | 2.73 V                   | 280                        | 63.70                  | 6.90                           |
| 2                                                   | 5456.00        | 53.60 AV                      | 54.00             | -0.40          | 2.73 V                   | 280                        | 46.70                  | 6.90                           |
| 3                                                   | *5530.00       | 106.20 PK                     |                   |                | 2.73 V                   | 280                        | 99.20                  | 7.00                           |
| 4                                                   | *5530.00       | 93.50 AV                      |                   |                | 2.73 V                   | 280                        | 86.50                  | 7.00                           |
| 5                                                   | 11060.00       | 55.00 PK                      | 74.00             | -19.00         | 2.02 V                   | 319                        | 41.40                  | 13.60                          |
| 6                                                   | 11060.00       | 47.10 AV                      | 54.00             | -6.90          | 2.02 V                   | 319                        | 33.50                  | 13.60                          |
| 7                                                   | #16590.00      | 64.60 PK                      | 74.00             | -9.40          | 2.04 V                   | 333                        | 43.70                  | 20.90                          |
| 8                                                   | #16590.00      | 50.50 AV                      | 54.00             | -3.50          | 2.04 V                   | 333                        | 29.60                  | 20.90                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 155 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5648.80       | 64.56 PK                      | 68.20             | -3.64          | 2.51 H                   | 253                        | 53.48                  | 11.08                          |
| 2                                                   | *5775.00       | 101.30 PK                     |                   |                | 2.51 H                   | 253                        | 93.60                  | 7.70                           |
| 3                                                   | *5775.00       | 92.40 AV                      |                   |                | 2.51 H                   | 253                        | 84.70                  | 7.70                           |
| 4                                                   | #5924.09       | 64.59 PK                      | 68.87             | -4.28          | 2.51 H                   | 253                        | 53.78                  | 10.81                          |
| 5                                                   | 11550.00       | 51.80 PK                      | 74.00             | -22.20         | 1.92 H                   | 45                         | 38.60                  | 13.20                          |
| 6                                                   | 11550.00       | 42.90 AV                      | 54.00             | -11.10         | 1.92 H                   | 45                         | 29.70                  | 13.20                          |
| 7                                                   | #17325.00      | 61.00 PK                      | 74.00             | -13.00         | 1.73 H                   | 199                        | 37.80                  | 23.20                          |
| 8                                                   | #17325.00      | 48.20 AV                      | 54.00             | -5.80          | 1.73 H                   | 199                        | 25.00                  | 23.20                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5640.65       | 67.64 PK                      | 68.20             | -0.56          | 2.22 V                   | 224                        | 56.58                  | 11.06                          |
| 2                                                   | *5775.00       | 105.50 PK                     |                   |                | 2.22 V                   | 224                        | 97.80                  | 7.70                           |
| 3                                                   | *5775.00       | 97.20 AV                      |                   |                | 2.22 V                   | 224                        | 89.50                  | 7.70                           |
| 4                                                   | #5931.75       | 64.51 PK                      | 68.20             | -3.69          | 2.22 V                   | 224                        | 53.65                  | 10.86                          |
| 5                                                   | 11550.00       | 54.70 PK                      | 74.00             | -19.30         | 2.02 V                   | 323                        | 41.50                  | 13.20                          |
| 6                                                   | 11550.00       | 47.10 AV                      | 54.00             | -6.90          | 2.02 V                   | 323                        | 33.90                  | 13.20                          |
| 7                                                   | #17325.00      | 65.00 PK                      | 74.00             | -9.00          | 2.09 V                   | 330                        | 41.80                  | 23.20                          |
| 8                                                   | #17325.00      | 50.60 AV                      | 54.00             | -3.40          | 2.09 V                   | 330                        | 27.40                  | 23.20                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

## Below 1GHz Data

### 802.11a

|                        |                |                              |                 |
|------------------------|----------------|------------------------------|-----------------|
| <b>CHANNEL</b>         | TX Channel 116 | <b>DETECTOR<br/>FUNCTION</b> | Quasi-Peak (QP) |
| <b>FREQUENCY RANGE</b> | Below 1GHz     |                              |                 |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 47.99          | 30.43 QP                      | 40.00             | -9.57          | 2.00 H                   | 166                        | 38.89                  | -8.46                          |
| 2                                                   | 184.91         | 36.16 QP                      | 43.50             | -7.34          | 2.00 H                   | 51                         | 46.06                  | -9.90                          |
| 3                                                   | 360.02         | 39.33 QP                      | 46.00             | -6.67          | 1.00 H                   | 259                        | 44.44                  | -5.11                          |
| 4                                                   | 648.01         | 42.63 QP                      | 46.00             | -3.37          | 1.50 H                   | 360                        | 41.11                  | 1.52                           |
| 5                                                   | 840.00         | 41.04 QP                      | 46.00             | -4.96          | 1.00 H                   | 189                        | 36.19                  | 4.85                           |
| 6                                                   | 984.00         | 41.95 QP                      | 54.00             | -12.05         | 1.00 H                   | 175                        | 34.59                  | 7.36                           |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 184.16         | 35.36 QP                      | 43.50             | -8.14          | 1.10 V                   | 214                        | 45.18                  | -9.82                          |
| 2                                                   | 312.00         | 35.23 QP                      | 46.00             | -10.77         | 1.50 V                   | 143                        | 41.39                  | -6.16                          |
| 3                                                   | 528.00         | 38.41 QP                      | 46.00             | -7.59          | 1.16 V                   | 234                        | 39.54                  | -1.13                          |
| 4                                                   | 648.01         | 37.05 QP                      | 46.00             | -8.95          | 1.00 V                   | 242                        | 35.53                  | 1.52                           |
| 5                                                   | 887.99         | 36.46 QP                      | 46.00             | -9.54          | 1.43 V                   | 246                        | 30.96                  | 5.50                           |
| 6                                                   | 984.00         | 39.23 QP                      | 54.00             | -14.77         | 1.43 V                   | 116                        | 31.87                  | 7.36                           |

#### 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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

#### 4.1.9 Test Results (Mode 3)

##### Above 1GHz Data :

##### 802.11a

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 36 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5150.00        | 67.00 PK                      | 74.00             | -7.00          | 1.59 H                   | 19                         | 60.50                  | 6.50                           |
| 2                                                   | 5150.00        | 52.00 AV                      | 54.00             | -2.00          | 1.59 H                   | 19                         | 45.50                  | 6.50                           |
| 3                                                   | *5180.00       | 115.00 PK                     |                   |                | 1.59 H                   | 19                         | 108.30                 | 6.70                           |
| 4                                                   | *5180.00       | 104.80 AV                     |                   |                | 1.59 H                   | 19                         | 98.10                  | 6.70                           |
| 5                                                   | #10360.00      | 51.20 PK                      | 74.00             | -22.80         | 1.89 H                   | 52                         | 38.30                  | 12.90                          |
| 6                                                   | #10360.00      | 42.20 AV                      | 54.00             | -11.80         | 1.89 H                   | 52                         | 29.30                  | 12.90                          |
| 7                                                   | 15540.00       | 63.60 PK                      | 74.00             | -10.40         | 1.70 H                   | 240                        | 45.60                  | 18.00                          |
| 8                                                   | 15540.00       | 49.20 AV                      | 54.00             | -4.80          | 1.70 H                   | 240                        | 31.20                  | 18.00                          |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | 5150.00        | 69.10 PK                      | 74.00             | -4.90          | 1.88 V                   | 165                        | 62.60                  | 6.50                           |
| 2                                                 | 5150.00        | 53.30 AV                      | 54.00             | -0.70          | 1.88 V                   | 165                        | 46.80                  | 6.50                           |
| 3                                                 | *5180.00       | 115.40 PK                     |                   |                | 1.88 V                   | 165                        | 108.70                 | 6.70                           |
| 4                                                 | *5180.00       | 105.60 AV                     |                   |                | 1.88 V                   | 165                        | 98.90                  | 6.70                           |
| 5                                                 | #10360.00      | 56.10 PK                      | 74.00             | -17.90         | 1.72 V                   | 166                        | 43.20                  | 12.90                          |
| 6                                                 | #10360.00      | 50.10 AV                      | 54.00             | -3.90          | 1.72 V                   | 166                        | 37.20                  | 12.90                          |
| 7                                                 | 15540.00       | 65.40 PK                      | 74.00             | -8.60          | 1.78 V                   | 324                        | 47.40                  | 18.00                          |
| 8                                                 | 15540.00       | 52.80 AV                      | 54.00             | -1.20          | 1.78 V                   | 324                        | 34.80                  | 18.00                          |

#### 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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 40 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5200.00       | 115.40 PK                     |                   |                | 1.57 H                   | 30                         | 108.70                 | 6.70                           |
| 2                                                   | *5200.00       | 105.40 AV                     |                   |                | 1.57 H                   | 30                         | 98.70                  | 6.70                           |
| 3                                                   | #10400.00      | 51.80 PK                      | 74.00             | -22.20         | 1.86 H                   | 52                         | 38.90                  | 12.90                          |
| 4                                                   | #10400.00      | 42.70 AV                      | 54.00             | -11.30         | 1.86 H                   | 52                         | 29.80                  | 12.90                          |
| 5                                                   | 15600.00       | 63.60 PK                      | 74.00             | -10.40         | 1.71 H                   | 230                        | 45.30                  | 18.30                          |
| 6                                                   | 15600.00       | 49.40 AV                      | 54.00             | -4.60          | 1.71 H                   | 230                        | 31.10                  | 18.30                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5200.00       | 117.10 PK                     |                   |                | 1.90 V                   | 179                        | 110.40                 | 6.70                           |
| 2                                                   | *5200.00       | 106.40 AV                     |                   |                | 1.90 V                   | 179                        | 99.70                  | 6.70                           |
| 3                                                   | #10400.00      | 55.50 PK                      | 74.00             | -18.50         | 1.66 V                   | 174                        | 42.60                  | 12.90                          |
| 4                                                   | #10400.00      | 49.70 AV                      | 54.00             | -4.30          | 1.66 V                   | 174                        | 36.80                  | 12.90                          |
| 5                                                   | 15600.00       | 65.60 PK                      | 74.00             | -8.40          | 1.74 V                   | 319                        | 47.30                  | 18.30                          |
| 6                                                   | 15600.00       | 53.20 AV                      | 54.00             | -0.80          | 1.74 V                   | 319                        | 34.90                  | 18.30                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 48 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5240.00       | 114.90 PK                     |                   |                | 1.56 H                   | 27                         | 108.20                 | 6.70                           |
| 2                                                   | *5240.00       | 104.70 AV                     |                   |                | 1.56 H                   | 27                         | 98.00                  | 6.70                           |
| 3                                                   | 5350.00        | 55.70 PK                      | 74.00             | -18.30         | 1.56 H                   | 27                         | 49.00                  | 6.70                           |
| 4                                                   | 5350.00        | 44.20 AV                      | 54.00             | -9.80          | 1.56 H                   | 27                         | 37.50                  | 6.70                           |
| 5                                                   | #10480.00      | 51.40 PK                      | 74.00             | -22.60         | 1.91 H                   | 63                         | 38.60                  | 12.80                          |
| 6                                                   | #10480.00      | 42.20 AV                      | 54.00             | -11.80         | 1.91 H                   | 63                         | 29.40                  | 12.80                          |
| 7                                                   | 15720.00       | 63.90 PK                      | 74.00             | -10.10         | 1.73 H                   | 227                        | 45.30                  | 18.60                          |
| 8                                                   | 15720.00       | 49.50 AV                      | 54.00             | -4.50          | 1.73 H                   | 227                        | 30.90                  | 18.60                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5240.00       | 114.60 PK                     |                   |                | 1.79 V                   | 132                        | 107.90                 | 6.70                           |
| 2                                                   | *5240.00       | 105.10 AV                     |                   |                | 1.79 V                   | 132                        | 98.40                  | 6.70                           |
| 3                                                   | 5350.00        | 58.00 PK                      | 74.00             | -16.00         | 1.79 V                   | 132                        | 51.30                  | 6.70                           |
| 4                                                   | 5350.00        | 46.00 AV                      | 54.00             | -8.00          | 1.79 V                   | 132                        | 39.30                  | 6.70                           |
| 5                                                   | #10480.00      | 55.00 PK                      | 74.00             | -19.00         | 1.63 V                   | 184                        | 42.20                  | 12.80                          |
| 6                                                   | #10480.00      | 49.30 AV                      | 54.00             | -4.70          | 1.63 V                   | 184                        | 36.50                  | 12.80                          |
| 7                                                   | 15720.00       | 67.10 PK                      | 74.00             | -6.90          | 1.65 V                   | 313                        | 48.50                  | 18.60                          |
| 8                                                   | 15720.00       | 53.10 AV                      | 54.00             | -0.90          | 1.65 V                   | 313                        | 34.50                  | 18.60                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 52 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5150.00        | 55.40 PK                      | 74.00             | -18.60         | 1.60 H                   | 30                         | 48.90                  | 6.50                           |
| 2                                                   | 5150.00        | 44.50 AV                      | 54.00             | -9.50          | 1.60 H                   | 30                         | 38.00                  | 6.50                           |
| 3                                                   | *5260.00       | 115.80 PK                     |                   |                | 1.60 H                   | 30                         | 109.00                 | 6.80                           |
| 4                                                   | *5260.00       | 105.10 AV                     |                   |                | 1.60 H                   | 30                         | 98.30                  | 6.80                           |
| 5                                                   | #10520.00      | 51.00 PK                      | 74.00             | -23.00         | 1.82 H                   | 68                         | 38.20                  | 12.80                          |
| 6                                                   | #10520.00      | 41.90 AV                      | 54.00             | -12.10         | 1.82 H                   | 68                         | 29.10                  | 12.80                          |
| 7                                                   | 15780.00       | 65.10 PK                      | 74.00             | -8.90          | 1.80 H                   | 230                        | 46.60                  | 18.50                          |
| 8                                                   | 15780.00       | 50.20 AV                      | 54.00             | -3.80          | 1.80 H                   | 230                        | 31.70                  | 18.50                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5150.00        | 57.50 PK                      | 74.00             | -16.50         | 2.02 V                   | 176                        | 51.00                  | 6.50                           |
| 2                                                   | 5150.00        | 46.10 AV                      | 54.00             | -7.90          | 2.02 V                   | 176                        | 39.60                  | 6.50                           |
| 3                                                   | *5260.00       | 115.50 PK                     |                   |                | 2.02 V                   | 176                        | 108.70                 | 6.80                           |
| 4                                                   | *5260.00       | 106.10 AV                     |                   |                | 2.02 V                   | 176                        | 99.30                  | 6.80                           |
| 5                                                   | #10520.00      | 55.40 PK                      | 74.00             | -18.60         | 1.58 V                   | 196                        | 42.60                  | 12.80                          |
| 6                                                   | #10520.00      | 49.70 AV                      | 54.00             | -4.30          | 1.58 V                   | 196                        | 36.90                  | 12.80                          |
| 7                                                   | 15780.00       | 67.00 PK                      | 74.00             | -7.00          | 1.45 V                   | 319                        | 48.50                  | 18.50                          |
| 8                                                   | 15780.00       | 53.90 AV                      | 54.00             | -0.10          | 1.45 V                   | 319                        | 35.40                  | 18.50                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 60 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5300.00       | 115.90 PK                     |                   |                | 1.64 H                   | 21                         | 109.20                 | 6.70                           |
| 2                                                   | *5300.00       | 105.40 AV                     |                   |                | 1.64 H                   | 21                         | 98.70                  | 6.70                           |
| 3                                                   | 10600.00       | 50.60 PK                      | 74.00             | -23.40         | 1.84 H                   | 77                         | 37.80                  | 12.80                          |
| 4                                                   | 10600.00       | 41.50 AV                      | 54.00             | -12.50         | 1.84 H                   | 77                         | 28.70                  | 12.80                          |
| 5                                                   | 15900.00       | 65.40 PK                      | 74.00             | -8.60          | 1.75 H                   | 239                        | 47.00                  | 18.40                          |
| 6                                                   | 15900.00       | 49.50 AV                      | 54.00             | -4.50          | 1.75 H                   | 239                        | 31.10                  | 18.40                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5300.00       | 115.40 PK                     |                   |                | 1.88 V                   | 360                        | 108.70                 | 6.70                           |
| 2                                                   | *5300.00       | 106.40 AV                     |                   |                | 1.88 V                   | 360                        | 99.70                  | 6.70                           |
| 3                                                   | 10600.00       | 54.60 PK                      | 74.00             | -19.40         | 1.94 V                   | 220                        | 41.80                  | 12.80                          |
| 4                                                   | 10600.00       | 47.10 AV                      | 54.00             | -6.90          | 1.94 V                   | 220                        | 34.30                  | 12.80                          |
| 5                                                   | 15900.00       | 64.10 PK                      | 74.00             | -9.90          | 1.56 V                   | 319                        | 45.70                  | 18.40                          |
| 6                                                   | 15900.00       | 50.30 AV                      | 54.00             | -3.70          | 1.56 V                   | 319                        | 31.90                  | 18.40                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 64 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5320.00       | 114.20 PK                     |                   |                | 1.55 H                   | 41                         | 107.50                 | 6.70                           |
| 2                                                   | *5320.00       | 103.40 AV                     |                   |                | 1.55 H                   | 41                         | 96.70                  | 6.70                           |
| 3                                                   | 5350.00        | 55.20 PK                      | 74.00             | -18.80         | 1.50 H                   | 22                         | 48.50                  | 6.70                           |
| 4                                                   | 5350.00        | 43.80 AV                      | 54.00             | -10.20         | 1.50 H                   | 22                         | 37.10                  | 6.70                           |
| 5                                                   | 10640.00       | 51.30 PK                      | 74.00             | -22.70         | 1.88 H                   | 60                         | 38.50                  | 12.80                          |
| 6                                                   | 10640.00       | 42.00 AV                      | 54.00             | -12.00         | 1.88 H                   | 60                         | 29.20                  | 12.80                          |
| 7                                                   | 15960.00       | 64.30 PK                      | 74.00             | -9.70          | 1.77 H                   | 214                        | 45.80                  | 18.50                          |
| 8                                                   | 15960.00       | 49.90 AV                      | 54.00             | -4.10          | 1.77 H                   | 214                        | 31.40                  | 18.50                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5320.00       | 115.00 PK                     |                   |                | 1.61 V                   | 169                        | 108.30                 | 6.70                           |
| 2                                                   | *5320.00       | 104.40 AV                     |                   |                | 1.61 V                   | 169                        | 97.70                  | 6.70                           |
| 3                                                   | 5350.00        | 72.00 PK                      | 74.00             | -2.00          | 1.61 V                   | 169                        | 65.30                  | 6.70                           |
| 4                                                   | 5350.00        | 53.80 AV                      | 54.00             | -0.20          | 1.61 V                   | 169                        | 47.10                  | 6.70                           |
| 5                                                   | 10640.00       | 53.60 PK                      | 74.00             | -20.40         | 2.00 V                   | 180                        | 40.80                  | 12.80                          |
| 6                                                   | 10640.00       | 46.60 AV                      | 54.00             | -7.40          | 2.00 V                   | 180                        | 33.80                  | 12.80                          |
| 7                                                   | 15960.00       | 60.20 PK                      | 74.00             | -13.80         | 1.61 V                   | 319                        | 41.70                  | 18.50                          |
| 8                                                   | 15960.00       | 46.00 AV                      | 54.00             | -8.00          | 1.61 V                   | 319                        | 27.50                  | 18.50                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 100 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5470.00       | 55.80 PK                      | 74.00             | -18.20         | 1.61 H                   | 35                         | 48.90                  | 6.90                           |
| 2                                                   | #5470.00       | 44.60 AV                      | 54.00             | -9.40          | 1.61 H                   | 35                         | 37.70                  | 6.90                           |
| 3                                                   | *5500.00       | 114.30 PK                     |                   |                | 1.50 H                   | 38                         | 107.30                 | 7.00                           |
| 4                                                   | *5500.00       | 104.30 AV                     |                   |                | 1.50 H                   | 38                         | 97.30                  | 7.00                           |
| 5                                                   | 11000.00       | 51.80 PK                      | 74.00             | -22.20         | 1.97 H                   | 79                         | 38.30                  | 13.50                          |
| 6                                                   | 11000.00       | 42.60 AV                      | 54.00             | -11.40         | 1.97 H                   | 79                         | 29.10                  | 13.50                          |
| 7                                                   | #16500.00      | 63.50 PK                      | 74.00             | -10.50         | 1.73 H                   | 231                        | 42.60                  | 20.90                          |
| 8                                                   | #16500.00      | 49.40 AV                      | 54.00             | -4.60          | 1.73 H                   | 231                        | 28.50                  | 20.90                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5470.00       | 69.50 PK                      | 74.00             | -4.50          | 1.88 V                   | 212                        | 62.60                  | 6.90                           |
| 2                                                   | #5470.00       | 53.20 AV                      | 54.00             | -0.80          | 1.88 V                   | 212                        | 46.30                  | 6.90                           |
| 3                                                   | *5500.00       | 116.10 PK                     |                   |                | 1.88 V                   | 212                        | 109.10                 | 7.00                           |
| 4                                                   | *5500.00       | 105.50 AV                     |                   |                | 1.88 V                   | 212                        | 98.50                  | 7.00                           |
| 5                                                   | 11000.00       | 53.70 PK                      | 74.00             | -20.30         | 1.96 V                   | 191                        | 40.20                  | 13.50                          |
| 6                                                   | 11000.00       | 46.60 AV                      | 54.00             | -7.40          | 1.96 V                   | 191                        | 33.10                  | 13.50                          |
| 7                                                   | #16500.00      | 60.10 PK                      | 74.00             | -13.90         | 1.59 V                   | 311                        | 39.20                  | 20.90                          |
| 8                                                   | #16500.00      | 46.00 AV                      | 54.00             | -8.00          | 1.59 V                   | 311                        | 25.10                  | 20.90                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 116 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5580.00       | 116.50 PK                     |                   |                | 1.67 H                   | 27                         | 109.40                 | 7.10                           |
| 2                                                   | *5580.00       | 106.80 AV                     |                   |                | 1.67 H                   | 27                         | 99.70                  | 7.10                           |
| 3                                                   | 11160.00       | 50.90 PK                      | 74.00             | -23.10         | 1.82 H                   | 84                         | 37.30                  | 13.60                          |
| 4                                                   | 11160.00       | 41.70 AV                      | 54.00             | -12.30         | 1.82 H                   | 84                         | 28.10                  | 13.60                          |
| 5                                                   | #16740.00      | 65.60 PK                      | 74.00             | -8.40          | 1.79 H                   | 227                        | 44.30                  | 21.30                          |
| 6                                                   | #16740.00      | 49.80 AV                      | 54.00             | -4.20          | 1.79 H                   | 227                        | 28.50                  | 21.30                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5580.00       | 117.60 PK                     |                   |                | 2.18 V                   | 213                        | 110.50                 | 7.10                           |
| 2                                                   | *5580.00       | 107.60 AV                     |                   |                | 2.18 V                   | 213                        | 100.50                 | 7.10                           |
| 3                                                   | 11160.00       | 54.40 PK                      | 74.00             | -19.60         | 1.91 V                   | 230                        | 40.80                  | 13.60                          |
| 4                                                   | 11160.00       | 47.20 AV                      | 54.00             | -6.80          | 1.91 V                   | 230                        | 33.60                  | 13.60                          |
| 5                                                   | #16740.00      | 67.00 PK                      | 74.00             | -7.00          | 1.74 V                   | 316                        | 45.70                  | 21.30                          |
| 6                                                   | #16740.00      | 53.20 AV                      | 54.00             | -0.80          | 1.74 V                   | 316                        | 31.90                  | 21.30                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 140 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5700.00       | 112.80 PK                     |                   |                | 1.50 H                   | 31                         | 105.20                 | 7.60                           |
| 2                                                   | *5700.00       | 102.90 AV                     |                   |                | 1.50 H                   | 31                         | 95.30                  | 7.60                           |
| 3                                                   | #5725.00       | 55.90 PK                      | 74.00             | -18.10         | 1.56 H                   | 34                         | 48.20                  | 7.70                           |
| 4                                                   | #5725.00       | 44.80 AV                      | 54.00             | -9.20          | 1.56 H                   | 34                         | 37.10                  | 7.70                           |
| 5                                                   | 11400.00       | 52.20 PK                      | 74.00             | -21.80         | 1.97 H                   | 73                         | 38.90                  | 13.30                          |
| 6                                                   | 11400.00       | 42.90 AV                      | 54.00             | -11.10         | 1.97 H                   | 73                         | 29.60                  | 13.30                          |
| 7                                                   | #17100.00      | 63.60 PK                      | 74.00             | -10.40         | 1.70 H                   | 221                        | 41.30                  | 22.30                          |
| 8                                                   | #17100.00      | 49.60 AV                      | 54.00             | -4.40          | 1.70 H                   | 221                        | 27.30                  | 22.30                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5700.00       | 113.30 PK                     |                   |                | 2.33 V                   | 187                        | 105.70                 | 7.60                           |
| 2                                                   | *5700.00       | 103.20 AV                     |                   |                | 2.33 V                   | 187                        | 95.60                  | 7.60                           |
| 3                                                   | #5725.00       | 70.40 PK                      | 74.00             | -3.60          | 2.33 V                   | 187                        | 62.70                  | 7.70                           |
| 4                                                   | #5725.00       | 53.20 AV                      | 54.00             | -0.80          | 2.33 V                   | 187                        | 45.50                  | 7.70                           |
| 5                                                   | 11400.00       | 53.80 PK                      | 74.00             | -20.20         | 1.91 V                   | 189                        | 40.50                  | 13.30                          |
| 6                                                   | 11400.00       | 46.90 AV                      | 54.00             | -7.10          | 1.91 V                   | 189                        | 33.60                  | 13.30                          |
| 7                                                   | #17100.00      | 59.90 PK                      | 74.00             | -14.10         | 1.61 V                   | 298                        | 37.60                  | 22.30                          |
| 8                                                   | #17100.00      | 46.00 AV                      | 54.00             | -8.00          | 1.61 V                   | 298                        | 23.70                  | 22.30                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 149 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5599.40       | 65.27 PK                      | 68.20             | -2.93          | 1.62 H                   | 40                         | 54.32                  | 10.95                          |
| 2                                                   | *5745.00       | 112.50 PK                     |                   |                | 1.62 H                   | 40                         | 104.80                 | 7.70                           |
| 3                                                   | *5745.00       | 103.10 AV                     |                   |                | 1.62 H                   | 40                         | 95.40                  | 7.70                           |
| 4                                                   | #5990.80       | 64.72 PK                      | 68.20             | -3.48          | 1.62 H                   | 40                         | 53.51                  | 11.21                          |
| 5                                                   | 11490.00       | 51.20 PK                      | 74.00             | -22.80         | 1.85 H                   | 99                         | 38.10                  | 13.10                          |
| 6                                                   | 11490.00       | 42.20 AV                      | 54.00             | -11.80         | 1.85 H                   | 99                         | 29.10                  | 13.10                          |
| 7                                                   | #17235.00      | 65.60 PK                      | 74.00             | -8.40          | 1.85 H                   | 213                        | 42.60                  | 23.00                          |
| 8                                                   | #17235.00      | 49.70 AV                      | 54.00             | -4.30          | 1.85 H                   | 213                        | 26.70                  | 23.00                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5569.95       | 65.34 PK                      | 68.20             | -2.86          | 1.84 V                   | 204                        | 54.36                  | 10.98                          |
| 2                                                   | *5745.00       | 116.40 PK                     |                   |                | 1.84 V                   | 204                        | 108.70                 | 7.70                           |
| 3                                                   | *5745.00       | 106.10 AV                     |                   |                | 1.84 V                   | 204                        | 98.40                  | 7.70                           |
| 4                                                   | #5937.60       | 64.75 PK                      | 68.20             | -3.45          | 1.84 V                   | 204                        | 53.85                  | 10.90                          |
| 5                                                   | 11490.00       | 52.40 PK                      | 74.00             | -21.60         | 1.57 V                   | 322                        | 39.30                  | 13.10                          |
| 6                                                   | 11490.00       | 40.30 AV                      | 54.00             | -13.70         | 1.57 V                   | 322                        | 27.20                  | 13.10                          |
| 7                                                   | #17235.00      | 65.20 PK                      | 74.00             | -8.80          | 1.76 V                   | 301                        | 42.20                  | 23.00                          |
| 8                                                   | #17235.00      | 51.10 AV                      | 54.00             | -2.90          | 1.76 V                   | 301                        | 28.10                  | 23.00                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 157 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5636.45       | 64.61 PK                      | 68.20             | -3.59          | 1.63 H                   | 52                         | 53.56                  | 11.05                          |
| 2                                                   | *5785.00       | 112.60 PK                     |                   |                | 1.63 H                   | 52                         | 104.80                 | 7.80                           |
| 3                                                   | *5785.00       | 103.10 AV                     |                   |                | 1.63 H                   | 52                         | 95.30                  | 7.80                           |
| 4                                                   | #5989.85       | 63.82 PK                      | 68.20             | -4.38          | 1.63 H                   | 52                         | 52.61                  | 11.21                          |
| 5                                                   | 11570.00       | 50.90 PK                      | 74.00             | -23.10         | 1.76 H                   | 74                         | 37.60                  | 13.30                          |
| 6                                                   | 11570.00       | 41.50 AV                      | 54.00             | -12.50         | 1.76 H                   | 74                         | 28.20                  | 13.30                          |
| 7                                                   | #17355.00      | 65.80 PK                      | 74.00             | -8.20          | 1.85 H                   | 231                        | 42.70                  | 23.10                          |
| 8                                                   | #17355.00      | 49.80 AV                      | 54.00             | -4.20          | 1.85 H                   | 231                        | 26.70                  | 23.10                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5625.05       | 65.28 PK                      | 68.20             | -2.92          | 2.19 V                   | 198                        | 54.25                  | 11.03                          |
| 2                                                   | *5785.00       | 116.60 PK                     |                   |                | 2.19 V                   | 198                        | 108.80                 | 7.80                           |
| 3                                                   | *5785.00       | 106.10 AV                     |                   |                | 2.19 V                   | 198                        | 98.30                  | 7.80                           |
| 4                                                   | #5948.52       | 65.04 PK                      | 68.20             | -3.16          | 2.19 V                   | 198                        | 54.09                  | 10.95                          |
| 5                                                   | 11570.00       | 52.90 PK                      | 74.00             | -21.10         | 1.61 V                   | 316                        | 39.60                  | 13.30                          |
| 6                                                   | 11570.00       | 40.80 AV                      | 54.00             | -13.20         | 1.61 V                   | 316                        | 27.50                  | 13.30                          |
| 7                                                   | #17355.00      | 64.70 PK                      | 74.00             | -9.30          | 1.77 V                   | 308                        | 41.60                  | 23.10                          |
| 8                                                   | #17355.00      | 50.90 AV                      | 54.00             | -3.10          | 1.77 V                   | 308                        | 27.80                  | 23.10                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 165 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5599.87       | 65.26 PK                      | 68.20             | -2.94          | 1.63 H                   | 68                         | 54.31                  | 10.95                          |
| 2                                                   | *5825.00       | 112.80 PK                     |                   |                | 1.61 H                   | 24                         | 105.10                 | 7.70                           |
| 3                                                   | *5825.00       | 103.30 AV                     |                   |                | 1.61 H                   | 24                         | 95.60                  | 7.70                           |
| 4                                                   | #5979.40       | 64.13 PK                      | 68.20             | -4.07          | 1.63 H                   | 68                         | 52.99                  | 11.14                          |
| 5                                                   | 11650.00       | 50.90 PK                      | 74.00             | -23.10         | 1.87 H                   | 108                        | 37.70                  | 13.20                          |
| 6                                                   | 11650.00       | 42.20 AV                      | 54.00             | -11.80         | 1.87 H                   | 108                        | 29.00                  | 13.20                          |
| 7                                                   | #17475.00      | 65.90 PK                      | 74.00             | -8.10          | 1.81 H                   | 199                        | 42.80                  | 23.10                          |
| 8                                                   | #17475.00      | 50.10 AV                      | 54.00             | -3.90          | 1.81 H                   | 199                        | 27.00                  | 23.10                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5599.40       | 66.06 PK                      | 68.20             | -2.14          | 2.12 V                   | 156                        | 55.11                  | 10.95                          |
| 2                                                   | *5825.00       | 116.60 PK                     |                   |                | 2.12 V                   | 156                        | 108.90                 | 7.70                           |
| 3                                                   | *5825.00       | 106.80 AV                     |                   |                | 2.12 V                   | 156                        | 99.10                  | 7.70                           |
| 4                                                   | #5969.43       | 64.86 PK                      | 68.20             | -3.34          | 2.12 V                   | 156                        | 53.78                  | 11.08                          |
| 5                                                   | 11650.00       | 52.90 PK                      | 74.00             | -21.10         | 1.57 V                   | 315                        | 39.70                  | 13.20                          |
| 6                                                   | 11650.00       | 40.80 AV                      | 54.00             | -13.20         | 1.57 V                   | 315                        | 27.60                  | 13.20                          |
| 7                                                   | #17475.00      | 65.60 PK                      | 74.00             | -8.40          | 1.77 V                   | 285                        | 42.50                  | 23.10                          |
| 8                                                   | #17475.00      | 51.40 AV                      | 54.00             | -2.60          | 1.77 V                   | 285                        | 28.30                  | 23.10                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

# 802.11ac (VHT20)

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 36 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5150.00        | 66.60 PK                      | 74.00             | -7.40          | 1.55 H                   | 19                         | 60.10                  | 6.50                           |
| 2                                                   | 5150.00        | 51.70 AV                      | 54.00             | -2.30          | 1.55 H                   | 19                         | 45.20                  | 6.50                           |
| 3                                                   | *5180.00       | 111.90 PK                     |                   |                | 1.56 H                   | 23                         | 105.20                 | 6.70                           |
| 4                                                   | *5180.00       | 102.50 AV                     |                   |                | 1.56 H                   | 23                         | 95.80                  | 6.70                           |
| 5                                                   | #10360.00      | 51.10 PK                      | 74.00             | -22.90         | 1.94 H                   | 51                         | 38.20                  | 12.90                          |
| 6                                                   | #10360.00      | 42.30 AV                      | 54.00             | -11.70         | 1.94 H                   | 51                         | 29.40                  | 12.90                          |
| 7                                                   | 15540.00       | 63.60 PK                      | 74.00             | -10.40         | 1.71 H                   | 242                        | 45.60                  | 18.00                          |
| 8                                                   | 15540.00       | 49.00 AV                      | 54.00             | -5.00          | 1.71 H                   | 242                        | 31.00                  | 18.00                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5150.00        | 66.20 PK                      | 74.00             | -7.80          | 1.50 V                   | 190                        | 59.70                  | 6.50                           |
| 2                                                   | 5150.00        | 52.90 AV                      | 54.00             | -1.10          | 1.50 V                   | 190                        | 46.40                  | 6.50                           |
| 3                                                   | *5180.00       | 113.50 PK                     |                   |                | 1.50 V                   | 190                        | 106.80                 | 6.70                           |
| 4                                                   | *5180.00       | 103.60 AV                     |                   |                | 1.50 V                   | 190                        | 96.90                  | 6.70                           |
| 5                                                   | #10360.00      | 52.60 PK                      | 74.00             | -21.40         | 1.63 V                   | 324                        | 39.70                  | 12.90                          |
| 6                                                   | #10360.00      | 40.50 AV                      | 54.00             | -13.50         | 1.63 V                   | 324                        | 27.60                  | 12.90                          |
| 7                                                   | 15540.00       | 65.40 PK                      | 74.00             | -8.60          | 1.78 V                   | 302                        | 47.40                  | 18.00                          |
| 8                                                   | 15540.00       | 51.10 AV                      | 54.00             | -2.90          | 1.78 V                   | 302                        | 33.10                  | 18.00                          |

## REMARKS:

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

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 40 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5200.00       | 113.20 PK                     |                   |                | 1.62 H                   | 19                         | 106.50                 | 6.70                           |
| 2                                                   | *5200.00       | 103.80 AV                     |                   |                | 1.62 H                   | 19                         | 97.10                  | 6.70                           |
| 3                                                   | #10400.00      | 51.20 PK                      | 74.00             | -22.80         | 1.88 H                   | 112                        | 38.30                  | 12.90                          |
| 4                                                   | #10400.00      | 42.40 AV                      | 54.00             | -11.60         | 1.88 H                   | 112                        | 29.50                  | 12.90                          |
| 5                                                   | 15600.00       | 66.20 PK                      | 74.00             | -7.80          | 1.82 H                   | 213                        | 47.90                  | 18.30                          |
| 6                                                   | 15600.00       | 50.30 AV                      | 54.00             | -3.70          | 1.82 H                   | 213                        | 32.00                  | 18.30                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5200.00       | 114.40 PK                     |                   |                | 1.62 V                   | 360                        | 107.70                 | 6.70                           |
| 2                                                   | *5200.00       | 104.10 AV                     |                   |                | 1.62 V                   | 360                        | 97.40                  | 6.70                           |
| 3                                                   | #10400.00      | 53.50 PK                      | 74.00             | -20.50         | 1.59 V                   | 328                        | 40.60                  | 12.90                          |
| 4                                                   | #10400.00      | 41.30 AV                      | 54.00             | -12.70         | 1.59 V                   | 328                        | 28.40                  | 12.90                          |
| 5                                                   | 15600.00       | 66.30 PK                      | 74.00             | -7.70          | 1.67 V                   | 310                        | 48.00                  | 18.30                          |
| 6                                                   | 15600.00       | 53.60 AV                      | 54.00             | -0.40          | 1.67 V                   | 310                        | 35.30                  | 18.30                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 48 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5240.00       | 113.80 PK                     |                   |                | 1.60 H                   | 20                         | 107.10                 | 6.70                           |
| 2                                                   | *5240.00       | 104.70 AV                     |                   |                | 1.60 H                   | 20                         | 98.00                  | 6.70                           |
| 3                                                   | 5350.00        | 57.60 PK                      | 74.00             | -16.40         | 1.60 H                   | 20                         | 50.90                  | 6.70                           |
| 4                                                   | 5350.00        | 45.70 AV                      | 54.00             | -8.30          | 1.60 H                   | 20                         | 39.00                  | 6.70                           |
| 5                                                   | #10480.00      | 51.00 PK                      | 74.00             | -23.00         | 1.89 H                   | 124                        | 38.20                  | 12.80                          |
| 6                                                   | #10480.00      | 42.30 AV                      | 54.00             | -11.70         | 1.89 H                   | 124                        | 29.50                  | 12.80                          |
| 7                                                   | 15720.00       | 65.80 PK                      | 74.00             | -8.20          | 1.86 H                   | 192                        | 47.20                  | 18.60                          |
| 8                                                   | 15720.00       | 49.90 AV                      | 54.00             | -4.10          | 1.86 H                   | 192                        | 31.30                  | 18.60                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5240.00       | 114.80 PK                     |                   |                | 1.95 V                   | 130                        | 108.10                 | 6.70                           |
| 2                                                   | *5240.00       | 105.20 AV                     |                   |                | 1.95 V                   | 130                        | 98.50                  | 6.70                           |
| 3                                                   | 5350.00        | 58.00 PK                      | 74.00             | -16.00         | 1.95 V                   | 130                        | 51.30                  | 6.70                           |
| 4                                                   | 5350.00        | 46.10 AV                      | 54.00             | -7.90          | 1.95 V                   | 130                        | 39.40                  | 6.70                           |
| 5                                                   | #10480.00      | 52.70 PK                      | 74.00             | -21.30         | 1.57 V                   | 300                        | 39.90                  | 12.80                          |
| 6                                                   | #10480.00      | 40.40 AV                      | 54.00             | -13.60         | 1.57 V                   | 300                        | 27.60                  | 12.80                          |
| 7                                                   | 15720.00       | 65.40 PK                      | 74.00             | -8.60          | 1.40 V                   | 317                        | 46.80                  | 18.60                          |
| 8                                                   | 15720.00       | 53.20 AV                      | 54.00             | -0.80          | 1.40 V                   | 317                        | 34.60                  | 18.60                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 52 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5150.00        | 58.90 PK                      | 74.00             | -15.10         | 1.66 H                   | 21                         | 52.40                  | 6.50                           |
| 2                                                   | 5150.00        | 45.60 AV                      | 54.00             | -8.40          | 1.66 H                   | 21                         | 39.10                  | 6.50                           |
| 3                                                   | *5260.00       | 113.00 PK                     |                   |                | 1.66 H                   | 21                         | 106.20                 | 6.80                           |
| 4                                                   | *5260.00       | 103.70 AV                     |                   |                | 1.66 H                   | 21                         | 96.90                  | 6.80                           |
| 5                                                   | #10520.00      | 50.30 PK                      | 74.00             | -23.70         | 1.85 H                   | 95                         | 37.50                  | 12.80                          |
| 6                                                   | #10520.00      | 41.80 AV                      | 54.00             | -12.20         | 1.85 H                   | 95                         | 29.00                  | 12.80                          |
| 7                                                   | 15780.00       | 66.10 PK                      | 74.00             | -7.90          | 1.86 H                   | 191                        | 47.60                  | 18.50                          |
| 8                                                   | 15780.00       | 50.00 AV                      | 54.00             | -4.00          | 1.86 H                   | 191                        | 31.50                  | 18.50                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5150.00        | 60.20 PK                      | 74.00             | -13.80         | 1.59 V                   | 171                        | 53.70                  | 6.50                           |
| 2                                                   | 5150.00        | 46.10 AV                      | 54.00             | -7.90          | 1.59 V                   | 171                        | 39.60                  | 6.50                           |
| 3                                                   | *5260.00       | 114.00 PK                     |                   |                | 1.59 V                   | 171                        | 107.20                 | 6.80                           |
| 4                                                   | *5260.00       | 104.00 AV                     |                   |                | 1.59 V                   | 171                        | 97.20                  | 6.80                           |
| 5                                                   | #10520.00      | 52.60 PK                      | 74.00             | -21.40         | 1.56 V                   | 308                        | 39.80                  | 12.80                          |
| 6                                                   | #10520.00      | 40.40 AV                      | 54.00             | -13.60         | 1.56 V                   | 308                        | 27.60                  | 12.80                          |
| 7                                                   | 15780.00       | 65.80 PK                      | 74.00             | -8.20          | 1.48 V                   | 319                        | 47.30                  | 18.50                          |
| 8                                                   | 15780.00       | 52.10 AV                      | 54.00             | -1.90          | 1.48 V                   | 319                        | 33.60                  | 18.50                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 60 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5300.00       | 115.70 PK                     |                   |                | 1.68 H                   | 20                         | 109.00                 | 6.70                           |
| 2                                                   | *5300.00       | 104.80 AV                     |                   |                | 1.68 H                   | 20                         | 98.10                  | 6.70                           |
| 3                                                   | 10600.00       | 50.60 PK                      | 74.00             | -23.40         | 1.88 H                   | 98                         | 37.80                  | 12.80                          |
| 4                                                   | 10600.00       | 41.80 AV                      | 54.00             | -12.20         | 1.88 H                   | 98                         | 29.00                  | 12.80                          |
| 5                                                   | 15900.00       | 65.90 PK                      | 74.00             | -8.10          | 1.85 H                   | 212                        | 47.50                  | 18.40                          |
| 6                                                   | 15900.00       | 50.00 AV                      | 54.00             | -4.00          | 1.85 H                   | 212                        | 31.60                  | 18.40                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5300.00       | 116.70 PK                     |                   |                | 1.58 V                   | 172                        | 110.00                 | 6.70                           |
| 2                                                   | *5300.00       | 105.30 AV                     |                   |                | 1.58 V                   | 172                        | 98.60                  | 6.70                           |
| 3                                                   | 10600.00       | 52.70 PK                      | 74.00             | -21.30         | 1.59 V                   | 321                        | 39.90                  | 12.80                          |
| 4                                                   | 10600.00       | 40.60 AV                      | 54.00             | -13.40         | 1.59 V                   | 321                        | 27.80                  | 12.80                          |
| 5                                                   | 15900.00       | 66.40 PK                      | 74.00             | -7.60          | 1.47 V                   | 305                        | 48.00                  | 18.40                          |
| 6                                                   | 15900.00       | 52.40 AV                      | 54.00             | -1.60          | 1.47 V                   | 305                        | 34.00                  | 18.40                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 64 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5320.00       | 113.40 PK                     |                   |                | 1.69 H                   | 21                         | 106.70                 | 6.70                           |
| 2                                                   | *5320.00       | 101.80 AV                     |                   |                | 1.69 H                   | 21                         | 95.10                  | 6.70                           |
| 3                                                   | 5350.00        | 67.40 PK                      | 74.00             | -6.60          | 1.69 H                   | 21                         | 60.70                  | 6.70                           |
| 4                                                   | 5350.00        | 50.80 AV                      | 54.00             | -3.20          | 1.69 H                   | 21                         | 44.10                  | 6.70                           |
| 5                                                   | 10640.00       | 51.00 PK                      | 74.00             | -23.00         | 1.92 H                   | 93                         | 38.20                  | 12.80                          |
| 6                                                   | 10640.00       | 42.50 AV                      | 54.00             | -11.50         | 1.92 H                   | 93                         | 29.70                  | 12.80                          |
| 7                                                   | 15960.00       | 66.30 PK                      | 74.00             | -7.70          | 1.82 H                   | 198                        | 47.80                  | 18.50                          |
| 8                                                   | 15960.00       | 50.30 AV                      | 54.00             | -3.70          | 1.82 H                   | 198                        | 31.80                  | 18.50                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5320.00       | 114.50 PK                     |                   |                | 1.72 V                   | 170                        | 107.80                 | 6.70                           |
| 2                                                   | *5320.00       | 102.50 AV                     |                   |                | 1.72 V                   | 170                        | 95.80                  | 6.70                           |
| 3                                                   | 5350.00        | 69.80 PK                      | 74.00             | -4.20          | 1.99 V                   | 129                        | 63.10                  | 6.70                           |
| 4                                                   | 5350.00        | 52.30 AV                      | 54.00             | -1.70          | 1.99 V                   | 129                        | 45.60                  | 6.70                           |
| 5                                                   | 10640.00       | 52.80 PK                      | 74.00             | -21.20         | 1.59 V                   | 337                        | 40.00                  | 12.80                          |
| 6                                                   | 10640.00       | 40.70 AV                      | 54.00             | -13.30         | 1.59 V                   | 337                        | 27.90                  | 12.80                          |
| 7                                                   | 15960.00       | 65.40 PK                      | 74.00             | -8.60          | 1.81 V                   | 296                        | 46.90                  | 18.50                          |
| 8                                                   | 15960.00       | 51.20 AV                      | 54.00             | -2.80          | 1.81 V                   | 296                        | 32.70                  | 18.50                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 100 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5470.00       | 68.70 PK                      | 74.00             | -5.30          | 1.70 H                   | 22                         | 61.80                  | 6.90                           |
| 2                                                   | #5470.00       | 52.10 AV                      | 54.00             | -1.90          | 1.70 H                   | 22                         | 45.20                  | 6.90                           |
| 3                                                   | *5500.00       | 116.40 PK                     |                   |                | 1.70 H                   | 22                         | 109.40                 | 7.00                           |
| 4                                                   | *5500.00       | 104.00 AV                     |                   |                | 1.70 H                   | 22                         | 97.00                  | 7.00                           |
| 5                                                   | 11000.00       | 51.00 PK                      | 74.00             | -23.00         | 1.81 H                   | 109                        | 37.50                  | 13.50                          |
| 6                                                   | 11000.00       | 42.50 AV                      | 54.00             | -11.50         | 1.81 H                   | 109                        | 29.00                  | 13.50                          |
| 7                                                   | #16500.00      | 65.90 PK                      | 74.00             | -8.10          | 1.86 H                   | 190                        | 45.00                  | 20.90                          |
| 8                                                   | #16500.00      | 49.80 AV                      | 54.00             | -4.20          | 1.86 H                   | 190                        | 28.90                  | 20.90                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5470.00       | 70.40 PK                      | 74.00             | -3.60          | 2.18 V                   | 220                        | 63.50                  | 6.90                           |
| 2                                                   | #5470.00       | 53.90 AV                      | 54.00             | -0.10          | 2.18 V                   | 220                        | 47.00                  | 6.90                           |
| 3                                                   | *5500.00       | 117.10 PK                     |                   |                | 2.18 V                   | 220                        | 110.10                 | 7.00                           |
| 4                                                   | *5500.00       | 105.00 AV                     |                   |                | 2.18 V                   | 220                        | 98.00                  | 7.00                           |
| 5                                                   | 11000.00       | 53.30 PK                      | 74.00             | -20.70         | 1.65 V                   | 317                        | 39.80                  | 13.50                          |
| 6                                                   | 11000.00       | 40.90 AV                      | 54.00             | -13.10         | 1.65 V                   | 317                        | 27.40                  | 13.50                          |
| 7                                                   | #16500.00      | 65.80 PK                      | 74.00             | -8.20          | 1.82 V                   | 312                        | 44.90                  | 20.90                          |
| 8                                                   | #16500.00      | 51.40 AV                      | 54.00             | -2.60          | 1.82 V                   | 312                        | 30.50                  | 20.90                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 116 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5580.00       | 118.10 PK                     |                   |                | 1.77 H                   | 42                         | 111.00                 | 7.10                           |
| 2                                                   | *5580.00       | 106.80 AV                     |                   |                | 1.77 H                   | 42                         | 99.70                  | 7.10                           |
| 3                                                   | 11160.00       | 50.40 PK                      | 74.00             | -23.60         | 1.84 H                   | 102                        | 36.80                  | 13.60                          |
| 4                                                   | 11160.00       | 41.70 AV                      | 54.00             | -12.30         | 1.84 H                   | 102                        | 28.10                  | 13.60                          |
| 5                                                   | #16740.00      | 66.50 PK                      | 74.00             | -7.50          | 1.85 H                   | 208                        | 45.20                  | 21.30                          |
| 6                                                   | #16740.00      | 50.60 AV                      | 54.00             | -3.40          | 1.85 H                   | 208                        | 29.30                  | 21.30                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5580.00       | 119.10 PK                     |                   |                | 2.11 V                   | 217                        | 112.00                 | 7.10                           |
| 2                                                   | *5580.00       | 107.60 AV                     |                   |                | 2.11 V                   | 217                        | 100.50                 | 7.10                           |
| 3                                                   | 11160.00       | 53.00 PK                      | 74.00             | -21.00         | 1.55 V                   | 318                        | 39.40                  | 13.60                          |
| 4                                                   | 11160.00       | 40.70 AV                      | 54.00             | -13.30         | 1.55 V                   | 318                        | 27.10                  | 13.60                          |
| 5                                                   | #16740.00      | 66.50 PK                      | 74.00             | -7.50          | 1.47 V                   | 302                        | 45.20                  | 21.30                          |
| 6                                                   | #16740.00      | 52.20 AV                      | 54.00             | -1.80          | 1.47 V                   | 302                        | 30.90                  | 21.30                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 140 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5700.00       | 115.30 PK                     |                   |                | 1.78 H                   | 30                         | 107.70                 | 7.60                           |
| 2                                                   | *5700.00       | 102.70 AV                     |                   |                | 1.78 H                   | 30                         | 95.10                  | 7.60                           |
| 3                                                   | #5725.00       | 69.20 PK                      | 74.00             | -4.80          | 1.78 H                   | 30                         | 61.50                  | 7.70                           |
| 4                                                   | #5725.00       | 51.70 AV                      | 54.00             | -2.30          | 1.78 H                   | 30                         | 44.00                  | 7.70                           |
| 5                                                   | 11400.00       | 50.80 PK                      | 74.00             | -23.20         | 1.91 H                   | 102                        | 37.50                  | 13.30                          |
| 6                                                   | 11400.00       | 42.30 AV                      | 54.00             | -11.70         | 1.91 H                   | 102                        | 29.00                  | 13.30                          |
| 7                                                   | #17100.00      | 65.70 PK                      | 74.00             | -8.30          | 1.77 H                   | 197                        | 43.40                  | 22.30                          |
| 8                                                   | #17100.00      | 50.10 AV                      | 54.00             | -3.90          | 1.77 H                   | 197                        | 27.80                  | 22.30                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5700.00       | 116.30 PK                     |                   |                | 1.85 V                   | 202                        | 108.70                 | 7.60                           |
| 2                                                   | *5700.00       | 103.20 AV                     |                   |                | 1.85 V                   | 202                        | 95.60                  | 7.60                           |
| 3                                                   | #5725.00       | 70.50 PK                      | 74.00             | -3.50          | 1.85 V                   | 202                        | 62.80                  | 7.70                           |
| 4                                                   | #5725.00       | 53.70 AV                      | 54.00             | -0.30          | 1.85 V                   | 202                        | 46.00                  | 7.70                           |
| 5                                                   | 11400.00       | 52.80 PK                      | 74.00             | -21.20         | 1.52 V                   | 321                        | 39.50                  | 13.30                          |
| 6                                                   | 11400.00       | 40.60 AV                      | 54.00             | -13.40         | 1.52 V                   | 321                        | 27.30                  | 13.30                          |
| 7                                                   | #17100.00      | 66.60 PK                      | 74.00             | -7.40          | 1.52 V                   | 311                        | 44.30                  | 22.30                          |
| 8                                                   | #17100.00      | 51.00 AV                      | 54.00             | -3.00          | 1.52 V                   | 311                        | 28.70                  | 22.30                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 149 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5577.07       | 65.40 PK                      | 68.20             | -2.80          | 1.63 H                   | 50                         | 54.43                  | 10.97                          |
| 2                                                   | *5745.00       | 109.40 PK                     |                   |                | 1.63 H                   | 50                         | 101.70                 | 7.70                           |
| 3                                                   | *5745.00       | 102.00 AV                     |                   |                | 1.63 H                   | 50                         | 94.30                  | 7.70                           |
| 4                                                   | #5980.35       | 64.47 PK                      | 68.20             | -3.73          | 1.63 H                   | 50                         | 53.32                  | 11.15                          |
| 5                                                   | 11490.00       | 50.20 PK                      | 74.00             | -23.80         | 1.84 H                   | 111                        | 37.10                  | 13.10                          |
| 6                                                   | 11490.00       | 41.80 AV                      | 54.00             | -12.20         | 1.84 H                   | 111                        | 28.70                  | 13.10                          |
| 7                                                   | #17235.00      | 65.40 PK                      | 74.00             | -8.60          | 1.77 H                   | 184                        | 42.40                  | 23.00                          |
| 8                                                   | #17235.00      | 49.80 AV                      | 54.00             | -4.20          | 1.77 H                   | 184                        | 26.80                  | 23.00                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5588.95       | 65.44 PK                      | 68.20             | -2.76          | 2.18 V                   | 203                        | 54.48                  | 10.96                          |
| 2                                                   | *5745.00       | 115.40 PK                     |                   |                | 2.18 V                   | 203                        | 107.70                 | 7.70                           |
| 3                                                   | *5745.00       | 104.60 AV                     |                   |                | 2.18 V                   | 203                        | 96.90                  | 7.70                           |
| 4                                                   | #5985.57       | 65.27 PK                      | 68.20             | -2.93          | 2.18 V                   | 203                        | 54.08                  | 11.19                          |
| 5                                                   | 11490.00       | 52.20 PK                      | 74.00             | -21.80         | 1.59 V                   | 338                        | 39.10                  | 13.10                          |
| 6                                                   | 11490.00       | 40.50 AV                      | 54.00             | -13.50         | 1.59 V                   | 338                        | 27.40                  | 13.10                          |
| 7                                                   | #17235.00      | 64.30 PK                      | 74.00             | -9.70          | 1.79 V                   | 329                        | 41.30                  | 23.00                          |
| 8                                                   | #17235.00      | 50.50 AV                      | 54.00             | -3.50          | 1.79 V                   | 329                        | 27.50                  | 23.00                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 157 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5562.82       | 64.63 PK                      | 68.20             | -3.57          | 1.60 H                   | 64                         | 53.66                  | 10.97                          |
| 2                                                   | *5785.00       | 109.80 PK                     |                   |                | 1.60 H                   | 64                         | 102.00                 | 7.80                           |
| 3                                                   | *5785.00       | 102.10 AV                     |                   |                | 1.60 H                   | 64                         | 94.30                  | 7.80                           |
| 4                                                   | #6006.00       | 64.19 PK                      | 68.20             | -4.01          | 1.60 H                   | 64                         | 52.93                  | 11.26                          |
| 5                                                   | 11570.00       | 51.30 PK                      | 74.00             | -22.70         | 1.86 H                   | 121                        | 38.00                  | 13.30                          |
| 6                                                   | 11570.00       | 42.40 AV                      | 54.00             | -11.60         | 1.86 H                   | 121                        | 29.10                  | 13.30                          |
| 7                                                   | #17355.00      | 65.40 PK                      | 74.00             | -8.60          | 1.76 H                   | 205                        | 42.30                  | 23.10                          |
| 8                                                   | #17355.00      | 49.60 AV                      | 54.00             | -4.40          | 1.76 H                   | 205                        | 26.50                  | 23.10                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5605.57       | 65.70 PK                      | 68.20             | -2.50          | 2.15 V                   | 200                        | 54.72                  | 10.98                          |
| 2                                                   | *5785.00       | 113.90 PK                     |                   |                | 2.15 V                   | 200                        | 106.10                 | 7.80                           |
| 3                                                   | *5785.00       | 103.80 AV                     |                   |                | 2.15 V                   | 200                        | 96.00                  | 7.80                           |
| 4                                                   | #5996.98       | 65.62 PK                      | 68.20             | -2.58          | 2.15 V                   | 200                        | 54.37                  | 11.25                          |
| 5                                                   | 11570.00       | 52.20 PK                      | 74.00             | -21.80         | 1.62 V                   | 338                        | 38.90                  | 13.30                          |
| 6                                                   | 11570.00       | 40.30 AV                      | 54.00             | -13.70         | 1.62 V                   | 338                        | 27.00                  | 13.30                          |
| 7                                                   | #17355.00      | 64.20 PK                      | 74.00             | -9.80          | 1.76 V                   | 316                        | 41.10                  | 23.10                          |
| 8                                                   | #17355.00      | 50.90 AV                      | 54.00             | -3.10          | 1.76 V                   | 316                        | 27.80                  | 23.10                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 165 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5582.77       | 64.16 PK                      | 68.20             | -4.04          | 1.67 H                   | 45                         | 53.19                  | 10.97                          |
| 2                                                   | *5825.00       | 109.80 PK                     |                   |                | 1.67 H                   | 45                         | 102.10                 | 7.70                           |
| 3                                                   | *5825.00       | 101.90 AV                     |                   |                | 1.67 H                   | 45                         | 94.20                  | 7.70                           |
| 4                                                   | #5995.07       | 63.46 PK                      | 68.20             | -4.74          | 1.67 H                   | 45                         | 52.22                  | 11.24                          |
| 5                                                   | 11650.00       | 50.80 PK                      | 74.00             | -23.20         | 1.90 H                   | 112                        | 37.60                  | 13.20                          |
| 6                                                   | 11650.00       | 42.00 AV                      | 54.00             | -12.00         | 1.90 H                   | 112                        | 28.80                  | 13.20                          |
| 7                                                   | #17475.00      | 65.90 PK                      | 74.00             | -8.10          | 1.79 H                   | 215                        | 42.80                  | 23.10                          |
| 8                                                   | #17475.00      | 50.40 AV                      | 54.00             | -3.60          | 1.79 H                   | 215                        | 27.30                  | 23.10                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5551.90       | 66.55 PK                      | 68.20             | -1.65          | 2.12 V                   | 202                        | 55.57                  | 10.98                          |
| 2                                                   | *5825.00       | 115.60 PK                     |                   |                | 2.12 V                   | 202                        | 107.90                 | 7.70                           |
| 3                                                   | *5825.00       | 104.10 AV                     |                   |                | 2.12 V                   | 202                        | 96.40                  | 7.70                           |
| 4                                                   | #5987.48       | 65.80 PK                      | 68.20             | -2.40          | 2.12 V                   | 202                        | 54.61                  | 11.19                          |
| 5                                                   | 11650.00       | 52.70 PK                      | 74.00             | -21.30         | 1.63 V                   | 324                        | 39.50                  | 13.20                          |
| 6                                                   | 11650.00       | 40.60 AV                      | 54.00             | -13.40         | 1.63 V                   | 324                        | 27.40                  | 13.20                          |
| 7                                                   | #17475.00      | 64.50 PK                      | 74.00             | -9.50          | 1.75 V                   | 326                        | 41.40                  | 23.10                          |
| 8                                                   | #17475.00      | 50.80 AV                      | 54.00             | -3.20          | 1.75 V                   | 326                        | 27.70                  | 23.10                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

# 802.11ac (VHT40)

|                 |               |                      |              |
|-----------------|---------------|----------------------|--------------|
| CHANNEL         | TX Channel 38 | DETECTOR<br>FUNCTION | Peak (PK)    |
| FREQUENCY RANGE | 1GHz ~ 40GHz  |                      | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5150.00        | 63.70 PK                      | 74.00             | -10.30         | 1.66 H                   | 50                         | 57.20                  | 6.50                           |
| 2                                                   | 5150.00        | 51.70 AV                      | 54.00             | -2.30          | 1.66 H                   | 50                         | 45.20                  | 6.50                           |
| 3                                                   | *5190.00       | 109.40 PK                     |                   |                | 1.66 H                   | 50                         | 102.70                 | 6.70                           |
| 4                                                   | *5190.00       | 96.70 AV                      |                   |                | 1.66 H                   | 50                         | 90.00                  | 6.70                           |
| 5                                                   | 5350.00        | 58.70 PK                      | 74.00             | -15.30         | 1.66 H                   | 50                         | 52.00                  | 6.70                           |
| 6                                                   | 5350.00        | 45.80 AV                      | 54.00             | -8.20          | 1.66 H                   | 50                         | 39.10                  | 6.70                           |
| 7                                                   | #10380.00      | 50.60 PK                      | 74.00             | -23.40         | 1.85 H                   | 115                        | 37.80                  | 12.80                          |
| 8                                                   | #10380.00      | 41.80 AV                      | 54.00             | -12.20         | 1.85 H                   | 115                        | 29.00                  | 12.80                          |
| 9                                                   | 15570.00       | 65.90 PK                      | 74.00             | -8.10          | 1.77 H                   | 209                        | 47.80                  | 18.10                          |
| 10                                                  | 15570.00       | 50.30 AV                      | 54.00             | -3.70          | 1.77 H                   | 209                        | 32.20                  | 18.10                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5150.00        | 64.80 PK                      | 74.00             | -9.20          | 1.50 V                   | 167                        | 58.30                  | 6.50                           |
| 2                                                   | 5150.00        | 53.20 AV                      | 54.00             | -0.80          | 1.50 V                   | 167                        | 46.70                  | 6.50                           |
| 3                                                   | *5190.00       | 110.30 PK                     |                   |                | 1.50 V                   | 167                        | 103.60                 | 6.70                           |
| 4                                                   | *5190.00       | 97.00 AV                      |                   |                | 1.50 V                   | 167                        | 90.30                  | 6.70                           |
| 5                                                   | 5350.00        | 60.30 PK                      | 74.00             | -13.70         | 1.50 V                   | 167                        | 53.60                  | 6.70                           |
| 6                                                   | 5350.00        | 47.20 AV                      | 54.00             | -6.80          | 1.50 V                   | 167                        | 40.50                  | 6.70                           |
| 7                                                   | #10380.00      | 52.70 PK                      | 74.00             | -21.30         | 1.60 V                   | 338                        | 39.90                  | 12.80                          |
| 8                                                   | #10380.00      | 40.30 AV                      | 54.00             | -13.70         | 1.60 V                   | 338                        | 27.50                  | 12.80                          |
| 9                                                   | 15570.00       | 62.10 PK                      | 74.00             | -11.90         | 1.76 V                   | 323                        | 44.00                  | 18.10                          |
| 10                                                  | 15570.00       | 47.50 AV                      | 54.00             | -6.50          | 1.76 V                   | 323                        | 29.40                  | 18.10                          |

## REMARKS:

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

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 46 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5150.00        | 63.70 PK                      | 74.00             | -10.30         | 1.70 H                   | 21                         | 57.20                  | 6.50                           |
| 2                                                   | 5150.00        | 48.90 AV                      | 54.00             | -5.10          | 1.70 H                   | 21                         | 42.40                  | 6.50                           |
| 3                                                   | *5230.00       | 109.60 PK                     |                   |                | 1.70 H                   | 21                         | 102.90                 | 6.70                           |
| 4                                                   | *5230.00       | 99.10 AV                      |                   |                | 1.70 H                   | 21                         | 92.40                  | 6.70                           |
| 5                                                   | 5350.00        | 60.20 PK                      | 74.00             | -13.80         | 1.70 H                   | 21                         | 53.50                  | 6.70                           |
| 6                                                   | 5350.00        | 46.50 AV                      | 54.00             | -7.50          | 1.70 H                   | 21                         | 39.80                  | 6.70                           |
| 7                                                   | #10460.00      | 50.20 PK                      | 74.00             | -23.80         | 1.88 H                   | 94                         | 37.40                  | 12.80                          |
| 8                                                   | #10460.00      | 42.10 AV                      | 54.00             | -11.90         | 1.88 H                   | 94                         | 29.30                  | 12.80                          |
| 9                                                   | 15690.00       | 65.80 PK                      | 74.00             | -8.20          | 1.83 H                   | 199                        | 47.10                  | 18.70                          |
| 10                                                  | 15690.00       | 50.00 AV                      | 54.00             | -4.00          | 1.83 H                   | 199                        | 31.30                  | 18.70                          |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | 5150.00        | 64.50 PK                      | 74.00             | -9.50          | 1.68 V                   | 360                        | 58.00                  | 6.50                           |
| 2                                                 | 5150.00        | 50.00 AV                      | 54.00             | -4.00          | 1.68 V                   | 360                        | 43.50                  | 6.50                           |
| 3                                                 | *5230.00       | 110.60 PK                     |                   |                | 1.68 V                   | 360                        | 103.90                 | 6.70                           |
| 4                                                 | *5230.00       | 100.20 AV                     |                   |                | 1.68 V                   | 360                        | 93.50                  | 6.70                           |
| 5                                                 | 5350.00        | 61.60 PK                      | 74.00             | -12.40         | 1.68 V                   | 360                        | 54.90                  | 6.70                           |
| 6                                                 | 5350.00        | 47.30 AV                      | 54.00             | -6.70          | 1.68 V                   | 360                        | 40.60                  | 6.70                           |
| 7                                                 | #10460.00      | 52.40 PK                      | 74.00             | -21.60         | 1.56 V                   | 338                        | 39.60                  | 12.80                          |
| 8                                                 | #10460.00      | 40.00 AV                      | 54.00             | -14.00         | 1.56 V                   | 338                        | 27.20                  | 12.80                          |
| 9                                                 | 15690.00       | 62.50 PK                      | 74.00             | -11.50         | 1.72 V                   | 135                        | 43.80                  | 18.70                          |
| 10                                                | 15690.00       | 51.50 AV                      | 54.00             | -2.50          | 1.72 V                   | 135                        | 32.80                  | 18.70                          |

#### 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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 54 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz  |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5150.00        | 59.20 PK                      | 74.00             | -14.80         | 1.77 H                   | 30                         | 52.70                  | 6.50                           |
| 2                                                   | 5150.00        | 47.50 AV                      | 54.00             | -6.50          | 1.77 H                   | 30                         | 41.00                  | 6.50                           |
| 3                                                   | *5270.00       | 110.80 PK                     |                   |                | 1.77 H                   | 30                         | 104.10                 | 6.70                           |
| 4                                                   | *5270.00       | 100.30 AV                     |                   |                | 1.77 H                   | 30                         | 93.60                  | 6.70                           |
| 5                                                   | #10540.00      | 51.20 PK                      | 74.00             | -22.80         | 1.84 H                   | 108                        | 38.40                  | 12.80                          |
| 6                                                   | #10540.00      | 42.60 AV                      | 54.00             | -11.40         | 1.84 H                   | 108                        | 29.80                  | 12.80                          |
| 7                                                   | 15810.00       | 65.60 PK                      | 74.00             | -8.40          | 1.84 H                   | 206                        | 47.20                  | 18.40                          |
| 8                                                   | 15810.00       | 49.80 AV                      | 54.00             | -4.20          | 1.84 H                   | 206                        | 31.40                  | 18.40                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5150.00        | 60.20 PK                      | 74.00             | -13.80         | 1.82 V                   | 169                        | 53.70                  | 6.50                           |
| 2                                                   | 5150.00        | 48.30 AV                      | 54.00             | -5.70          | 1.82 V                   | 169                        | 41.80                  | 6.50                           |
| 3                                                   | *5270.00       | 111.90 PK                     |                   |                | 1.82 V                   | 169                        | 105.20                 | 6.70                           |
| 4                                                   | *5270.00       | 101.30 AV                     |                   |                | 1.82 V                   | 169                        | 94.60                  | 6.70                           |
| 5                                                   | #10540.00      | 52.50 PK                      | 74.00             | -21.50         | 1.51 V                   | 332                        | 39.70                  | 12.80                          |
| 6                                                   | #10540.00      | 39.90 AV                      | 54.00             | -14.10         | 1.51 V                   | 332                        | 27.10                  | 12.80                          |
| 7                                                   | 15810.00       | 62.70 PK                      | 74.00             | -11.30         | 1.73 V                   | 121                        | 44.30                  | 18.40                          |
| 8                                                   | 15810.00       | 51.80 AV                      | 54.00             | -2.20          | 1.73 V                   | 121                        | 33.40                  | 18.40                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                 |               |                      |              |
|-----------------|---------------|----------------------|--------------|
| CHANNEL         | TX Channel 62 | DETECTOR<br>FUNCTION | Peak (PK)    |
| FREQUENCY RANGE | 1GHz ~ 40GHz  |                      | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5310.00       | 107.20 PK                     |                   |                | 1.80 H                   | 20                         | 100.50                 | 6.70                           |
| 2                                                   | *5310.00       | 96.50 AV                      |                   |                | 1.80 H                   | 20                         | 89.80                  | 6.70                           |
| 3                                                   | 5350.00        | 62.70 PK                      | 74.00             | -11.30         | 1.80 H                   | 20                         | 56.00                  | 6.70                           |
| 4                                                   | 5350.00        | 51.90 AV                      | 54.00             | -2.10          | 1.80 H                   | 20                         | 45.20                  | 6.70                           |
| 5                                                   | 10620.00       | 50.40 PK                      | 74.00             | -23.60         | 1.87 H                   | 122                        | 37.60                  | 12.80                          |
| 6                                                   | 10620.00       | 41.70 AV                      | 54.00             | -12.30         | 1.87 H                   | 122                        | 28.90                  | 12.80                          |
| 7                                                   | 15930.00       | 65.50 PK                      | 74.00             | -8.50          | 1.84 H                   | 206                        | 47.00                  | 18.50                          |
| 8                                                   | 15930.00       | 50.00 AV                      | 54.00             | -4.00          | 1.84 H                   | 206                        | 31.50                  | 18.50                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5310.00       | 108.10 PK                     |                   |                | 1.81 V                   | 136                        | 101.40                 | 6.70                           |
| 2                                                   | *5310.00       | 97.50 AV                      |                   |                | 1.81 V                   | 136                        | 90.80                  | 6.70                           |
| 3                                                   | 5350.00        | 63.90 PK                      | 74.00             | -10.10         | 1.81 V                   | 136                        | 57.20                  | 6.70                           |
| 4                                                   | 5350.00        | 53.60 AV                      | 54.00             | -0.40          | 1.81 V                   | 136                        | 46.90                  | 6.70                           |
| 5                                                   | 10620.00       | 52.70 PK                      | 74.00             | -21.30         | 1.55 V                   | 345                        | 39.90                  | 12.80                          |
| 6                                                   | 10620.00       | 40.10 AV                      | 54.00             | -13.90         | 1.55 V                   | 345                        | 27.30                  | 12.80                          |
| 7                                                   | 15930.00       | 61.80 PK                      | 74.00             | -12.20         | 1.74 V                   | 317                        | 43.30                  | 18.50                          |
| 8                                                   | 15930.00       | 47.20 AV                      | 54.00             | -6.80          | 1.74 V                   | 317                        | 28.70                  | 18.50                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 102 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5470.00       | 66.50 PK                      | 74.00             | -7.50          | 1.74 H                   | 19                         | 59.60                  | 6.90                           |
| 2                                                   | #5470.00       | 51.20 AV                      | 54.00             | -2.80          | 1.74 H                   | 19                         | 44.30                  | 6.90                           |
| 3                                                   | *5510.00       | 108.40 PK                     |                   |                | 1.74 H                   | 19                         | 101.40                 | 7.00                           |
| 4                                                   | *5510.00       | 96.70 AV                      |                   |                | 1.74 H                   | 19                         | 89.70                  | 7.00                           |
| 5                                                   | 11020.00       | 50.70 PK                      | 74.00             | -23.30         | 1.91 H                   | 122                        | 37.20                  | 13.50                          |
| 6                                                   | 11020.00       | 41.90 AV                      | 54.00             | -12.10         | 1.91 H                   | 122                        | 28.40                  | 13.50                          |
| 7                                                   | #16530.00      | 66.30 PK                      | 74.00             | -7.70          | 1.83 H                   | 185                        | 45.50                  | 20.80                          |
| 8                                                   | #16530.00      | 50.40 AV                      | 54.00             | -3.60          | 1.83 H                   | 185                        | 29.60                  | 20.80                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5470.00       | 67.80 PK                      | 74.00             | -6.20          | 2.08 V                   | 220                        | 60.90                  | 6.90                           |
| 2                                                   | #5470.00       | 53.20 AV                      | 54.00             | -0.80          | 2.08 V                   | 220                        | 46.30                  | 6.90                           |
| 3                                                   | *5510.00       | 109.70 PK                     |                   |                | 2.08 V                   | 220                        | 102.70                 | 7.00                           |
| 4                                                   | *5510.00       | 97.70 AV                      |                   |                | 2.08 V                   | 220                        | 90.70                  | 7.00                           |
| 5                                                   | 11020.00       | 52.00 PK                      | 74.00             | -22.00         | 1.55 V                   | 323                        | 38.50                  | 13.50                          |
| 6                                                   | 11020.00       | 39.90 AV                      | 54.00             | -14.10         | 1.55 V                   | 323                        | 26.40                  | 13.50                          |
| 7                                                   | #16530.00      | 62.50 PK                      | 74.00             | -11.50         | 1.71 V                   | 328                        | 41.70                  | 20.80                          |
| 8                                                   | #16530.00      | 47.80 AV                      | 54.00             | -6.20          | 1.71 V                   | 328                        | 27.00                  | 20.80                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 110 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5470.00       | 66.80 PK                      | 74.00             | -7.20          | 1.77 H                   | 14                         | 59.90                  | 6.90                           |
| 2                                                   | #5470.00       | 50.70 AV                      | 54.00             | -3.30          | 1.77 H                   | 14                         | 43.80                  | 6.90                           |
| 3                                                   | *5550.00       | 115.20 PK                     |                   |                | 1.77 H                   | 14                         | 108.10                 | 7.10                           |
| 4                                                   | *5550.00       | 103.50 AV                     |                   |                | 1.77 H                   | 14                         | 96.40                  | 7.10                           |
| 5                                                   | 11100.00       | 51.00 PK                      | 74.00             | -23.00         | 1.89 H                   | 108                        | 37.40                  | 13.60                          |
| 6                                                   | 11100.00       | 42.40 AV                      | 54.00             | -11.60         | 1.89 H                   | 108                        | 28.80                  | 13.60                          |
| 7                                                   | #16650.00      | 65.70 PK                      | 74.00             | -8.30          | 1.80 H                   | 211                        | 44.70                  | 21.00                          |
| 8                                                   | #16650.00      | 49.80 AV                      | 54.00             | -4.20          | 1.80 H                   | 211                        | 28.80                  | 21.00                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5470.00       | 68.80 PK                      | 74.00             | -5.20          | 2.17 V                   | 216                        | 61.90                  | 6.90                           |
| 2                                                   | #5470.00       | 52.00 AV                      | 54.00             | -2.00          | 2.17 V                   | 216                        | 45.10                  | 6.90                           |
| 3                                                   | *5550.00       | 116.10 PK                     |                   |                | 2.17 V                   | 216                        | 109.00                 | 7.10                           |
| 4                                                   | *5550.00       | 104.20 AV                     |                   |                | 2.17 V                   | 216                        | 97.10                  | 7.10                           |
| 5                                                   | 11100.00       | 52.00 PK                      | 74.00             | -22.00         | 1.46 V                   | 329                        | 38.40                  | 13.60                          |
| 6                                                   | 11100.00       | 39.60 AV                      | 54.00             | -14.40         | 1.46 V                   | 329                        | 26.00                  | 13.60                          |
| 7                                                   | #16650.00      | 62.50 PK                      | 74.00             | -11.50         | 1.77 V                   | 134                        | 41.50                  | 21.00                          |
| 8                                                   | #16650.00      | 51.70 AV                      | 54.00             | -2.30          | 1.77 V                   | 134                        | 30.70                  | 21.00                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 134 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5670.00       | 113.50 PK                     |                   |                | 1.65 H                   | 11                         | 106.00                 | 7.50                           |
| 2                                                   | *5670.00       | 100.10 AV                     |                   |                | 1.65 H                   | 11                         | 92.60                  | 7.50                           |
| 3                                                   | #5725.00       | 63.40 PK                      | 74.00             | -10.60         | 1.65 H                   | 11                         | 55.70                  | 7.70                           |
| 4                                                   | #5725.00       | 49.20 AV                      | 54.00             | -4.80          | 1.65 H                   | 11                         | 41.50                  | 7.70                           |
| 5                                                   | 11340.00       | 50.90 PK                      | 74.00             | -23.10         | 1.85 H                   | 104                        | 37.50                  | 13.40                          |
| 6                                                   | 11340.00       | 41.90 AV                      | 54.00             | -12.10         | 1.85 H                   | 104                        | 28.50                  | 13.40                          |
| 7                                                   | #17010.00      | 66.20 PK                      | 74.00             | -7.80          | 1.80 H                   | 214                        | 44.10                  | 22.10                          |
| 8                                                   | #17010.00      | 50.50 AV                      | 54.00             | -3.50          | 1.80 H                   | 214                        | 28.40                  | 22.10                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | *5670.00       | 114.40 PK                     |                   |                | 1.51 V                   | 219                        | 106.90                 | 7.50                           |
| 2                                                   | *5670.00       | 101.10 AV                     |                   |                | 1.51 V                   | 219                        | 93.60                  | 7.50                           |
| 3                                                   | #5725.00       | 64.70 PK                      | 74.00             | -9.30          | 1.51 V                   | 219                        | 57.00                  | 7.70                           |
| 4                                                   | #5725.00       | 50.50 AV                      | 54.00             | -3.50          | 1.51 V                   | 219                        | 42.80                  | 7.70                           |
| 5                                                   | 11340.00       | 52.50 PK                      | 74.00             | -21.50         | 1.48 V                   | 331                        | 39.10                  | 13.40                          |
| 6                                                   | 11340.00       | 39.80 AV                      | 54.00             | -14.20         | 1.48 V                   | 331                        | 26.40                  | 13.40                          |
| 7                                                   | #17010.00      | 62.60 PK                      | 74.00             | -11.40         | 1.74 V                   | 117                        | 40.50                  | 22.10                          |
| 8                                                   | #17010.00      | 51.50 AV                      | 54.00             | -2.50          | 1.74 V                   | 117                        | 29.40                  | 22.10                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 151 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5573.27       | 64.60 PK                      | 68.20             | -3.60          | 1.70 H                   | 36                         | 53.63                  | 10.97                          |
| 2                                                   | *5755.00       | 107.60 PK                     |                   |                | 1.70 H                   | 36                         | 99.90                  | 7.70                           |
| 3                                                   | *5755.00       | 98.60 AV                      |                   |                | 1.70 H                   | 36                         | 90.90                  | 7.70                           |
| 4                                                   | #5984.15       | 64.82 PK                      | 68.20             | -3.38          | 1.70 H                   | 36                         | 53.64                  | 11.18                          |
| 5                                                   | 11510.00       | 50.70 PK                      | 74.00             | -23.30         | 1.82 H                   | 114                        | 37.60                  | 13.10                          |
| 6                                                   | 11510.00       | 42.20 AV                      | 54.00             | -11.80         | 1.82 H                   | 114                        | 29.10                  | 13.10                          |
| 7                                                   | #17265.00      | 66.00 PK                      | 74.00             | -8.00          | 1.82 H                   | 193                        | 42.80                  | 23.20                          |
| 8                                                   | #17265.00      | 50.00 AV                      | 54.00             | -4.00          | 1.82 H                   | 193                        | 26.80                  | 23.20                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5603.20       | 64.13 PK                      | 68.20             | -4.07          | 2.29 V                   | 204                        | 53.18                  | 10.95                          |
| 2                                                   | *5755.00       | 109.60 PK                     |                   |                | 2.29 V                   | 204                        | 101.90                 | 7.70                           |
| 3                                                   | *5755.00       | 100.60 AV                     |                   |                | 2.29 V                   | 204                        | 92.90                  | 7.70                           |
| 4                                                   | #5995.55       | 63.91 PK                      | 68.20             | -4.29          | 2.29 V                   | 204                        | 52.67                  | 11.24                          |
| 5                                                   | 11510.00       | 52.30 PK                      | 74.00             | -21.70         | 1.62 V                   | 324                        | 39.20                  | 13.10                          |
| 6                                                   | 11510.00       | 40.30 AV                      | 54.00             | -13.70         | 1.62 V                   | 324                        | 27.20                  | 13.10                          |
| 7                                                   | #17265.00      | 65.30 PK                      | 74.00             | -8.70          | 1.79 V                   | 332                        | 42.10                  | 23.20                          |
| 8                                                   | #17265.00      | 51.30 AV                      | 54.00             | -2.70          | 1.79 V                   | 332                        | 28.10                  | 23.20                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 159 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5580.40       | 64.84 PK                      | 68.20             | -3.36          | 1.74 H                   | 42                         | 53.88                  | 10.96                          |
| 2                                                   | *5795.00       | 108.50 PK                     |                   |                | 1.74 H                   | 42                         | 100.70                 | 7.80                           |
| 3                                                   | *5795.00       | 98.70 AV                      |                   |                | 1.74 H                   | 42                         | 90.90                  | 7.80                           |
| 4                                                   | #5991.27       | 64.03 PK                      | 68.20             | -4.17          | 1.74 H                   | 42                         | 52.81                  | 11.22                          |
| 5                                                   | 11590.00       | 50.20 PK                      | 74.00             | -23.80         | 1.91 H                   | 118                        | 37.00                  | 13.20                          |
| 6                                                   | 11590.00       | 41.80 AV                      | 54.00             | -12.20         | 1.91 H                   | 118                        | 28.60                  | 13.20                          |
| 7                                                   | #17385.00      | 66.10 PK                      | 74.00             | -7.90          | 1.84 H                   | 211                        | 43.00                  | 23.10                          |
| 8                                                   | #17385.00      | 50.10 AV                      | 54.00             | -3.90          | 1.84 H                   | 211                        | 27.00                  | 23.10                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5593.70       | 64.74 PK                      | 68.20             | -3.46          | 2.15 V                   | 182                        | 53.79                  | 10.95                          |
| 2                                                   | *5795.00       | 110.00 PK                     |                   |                | 2.15 V                   | 182                        | 102.20                 | 7.80                           |
| 3                                                   | *5795.00       | 100.10 AV                     |                   |                | 2.15 V                   | 182                        | 92.30                  | 7.80                           |
| 4                                                   | #6017.40       | 64.79 PK                      | 68.20             | -3.41          | 2.15 V                   | 182                        | 53.54                  | 11.25                          |
| 5                                                   | 11590.00       | 53.30 PK                      | 74.00             | -20.70         | 1.68 V                   | 314                        | 40.10                  | 13.20                          |
| 6                                                   | 11590.00       | 41.00 AV                      | 54.00             | -13.00         | 1.68 V                   | 314                        | 27.80                  | 13.20                          |
| 7                                                   | #17385.00      | 64.40 PK                      | 74.00             | -9.60          | 1.71 V                   | 318                        | 41.30                  | 23.10                          |
| 8                                                   | #17385.00      | 50.70 AV                      | 54.00             | -3.30          | 1.71 V                   | 318                        | 27.60                  | 23.10                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

## 802.11ac (VHT80)

|                 |               |                      |              |
|-----------------|---------------|----------------------|--------------|
| CHANNEL         | TX Channel 42 | DETECTOR<br>FUNCTION | Peak (PK)    |
| FREQUENCY RANGE | 1GHz ~ 40GHz  |                      | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5150.00        | 65.20 PK                      | 74.00             | -8.80          | 1.70 H                   | 20                         | 58.70                  | 6.50                           |
| 2                                                   | 5150.00        | 52.10 AV                      | 54.00             | -1.90          | 1.70 H                   | 20                         | 45.60                  | 6.50                           |
| 3                                                   | *5210.00       | 100.10 PK                     |                   |                | 1.70 H                   | 20                         | 93.40                  | 6.70                           |
| 4                                                   | *5210.00       | 89.70 AV                      |                   |                | 1.70 H                   | 20                         | 83.00                  | 6.70                           |
| 5                                                   | 5350.00        | 59.40 PK                      | 74.00             | -14.60         | 1.70 H                   | 20                         | 52.70                  | 6.70                           |
| 6                                                   | 5350.00        | 46.80 AV                      | 54.00             | -7.20          | 1.70 H                   | 20                         | 40.10                  | 6.70                           |
| 7                                                   | #10420.00      | 50.70 PK                      | 74.00             | -23.30         | 1.85 H                   | 109                        | 37.90                  | 12.80                          |
| 8                                                   | #10420.00      | 42.10 AV                      | 54.00             | -11.90         | 1.85 H                   | 109                        | 29.30                  | 12.80                          |
| 9                                                   | 15630.00       | 65.60 PK                      | 74.00             | -8.40          | 1.83 H                   | 202                        | 47.20                  | 18.40                          |
| 10                                                  | 15630.00       | 50.00 AV                      | 54.00             | -4.00          | 1.83 H                   | 202                        | 31.60                  | 18.40                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5150.00        | 66.60 PK                      | 74.00             | -7.40          | 1.84 V                   | 194                        | 60.10                  | 6.50                           |
| 2                                                   | 5150.00        | 53.50 AV                      | 54.00             | -0.50          | 1.84 V                   | 194                        | 47.00                  | 6.50                           |
| 3                                                   | *5210.00       | 101.90 PK                     |                   |                | 1.84 V                   | 194                        | 95.20                  | 6.70                           |
| 4                                                   | *5210.00       | 90.80 AV                      |                   |                | 1.84 V                   | 194                        | 84.10                  | 6.70                           |
| 5                                                   | 5350.00        | 60.10 PK                      | 74.00             | -13.90         | 1.84 V                   | 194                        | 53.40                  | 6.70                           |
| 6                                                   | 5350.00        | 47.60 AV                      | 54.00             | -6.40          | 1.84 V                   | 194                        | 40.90                  | 6.70                           |
| 7                                                   | #10420.00      | 51.60 PK                      | 74.00             | -22.40         | 1.61 V                   | 326                        | 38.80                  | 12.80                          |
| 8                                                   | #10420.00      | 39.60 AV                      | 54.00             | -14.40         | 1.61 V                   | 326                        | 26.80                  | 12.80                          |
| 9                                                   | 15630.00       | 62.20 PK                      | 74.00             | -11.80         | 1.66 V                   | 332                        | 43.80                  | 18.40                          |
| 10                                                  | 15630.00       | 47.40 AV                      | 54.00             | -6.60          | 1.66 V                   | 332                        | 29.00                  | 18.40                          |

## 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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                 |               |                      |              |
|-----------------|---------------|----------------------|--------------|
| CHANNEL         | TX Channel 58 | DETECTOR<br>FUNCTION | Peak (PK)    |
| FREQUENCY RANGE | 1GHz ~ 40GHz  |                      | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 5150.00        | 57.40 PK                      | 74.00             | -16.60         | 1.70 H                   | 10                         | 50.90                  | 6.50                           |
| 2                                                   | 5150.00        | 46.10 AV                      | 54.00             | -7.90          | 1.70 H                   | 10                         | 39.60                  | 6.50                           |
| 3                                                   | *5290.00       | 100.70 PK                     |                   |                | 1.70 H                   | 10                         | 94.00                  | 6.70                           |
| 4                                                   | *5290.00       | 90.20 AV                      |                   |                | 1.70 H                   | 10                         | 83.50                  | 6.70                           |
| 5                                                   | 5350.00        | 62.10 PK                      | 74.00             | -11.90         | 1.70 H                   | 10                         | 55.40                  | 6.70                           |
| 6                                                   | 5350.00        | 50.10 AV                      | 54.00             | -3.90          | 1.70 H                   | 10                         | 43.40                  | 6.70                           |
| 7                                                   | #10580.00      | 51.30 PK                      | 74.00             | -22.70         | 1.90 H                   | 118                        | 38.50                  | 12.80                          |
| 8                                                   | #10580.00      | 42.50 AV                      | 54.00             | -11.50         | 1.90 H                   | 118                        | 29.70                  | 12.80                          |
| 9                                                   | 15870.00       | 66.20 PK                      | 74.00             | -7.80          | 1.85 H                   | 198                        | 47.80                  | 18.40                          |
| 10                                                  | 15870.00       | 50.20 AV                      | 54.00             | -3.80          | 1.85 H                   | 198                        | 31.80                  | 18.40                          |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | 5150.00        | 58.80 PK                      | 74.00             | -15.20         | 1.53 V                   | 177                        | 52.30                  | 6.50                           |
| 2                                                 | 5150.00        | 47.10 AV                      | 54.00             | -6.90          | 1.53 V                   | 177                        | 40.60                  | 6.50                           |
| 3                                                 | *5290.00       | 101.80 PK                     |                   |                | 1.53 V                   | 177                        | 95.10                  | 6.70                           |
| 4                                                 | *5290.00       | 91.20 AV                      |                   |                | 1.53 V                   | 177                        | 84.50                  | 6.70                           |
| 5                                                 | 5350.00        | 63.60 PK                      | 74.00             | -10.40         | 1.53 V                   | 177                        | 56.90                  | 6.70                           |
| 6                                                 | 5350.00        | 51.50 AV                      | 54.00             | -2.50          | 1.53 V                   | 177                        | 44.80                  | 6.70                           |
| 7                                                 | #10580.00      | 51.90 PK                      | 74.00             | -22.10         | 1.56 V                   | 326                        | 39.10                  | 12.80                          |
| 8                                                 | #10580.00      | 39.50 AV                      | 54.00             | -14.50         | 1.56 V                   | 326                        | 26.70                  | 12.80                          |
| 9                                                 | 15870.00       | 62.40 PK                      | 74.00             | -11.60         | 1.67 V                   | 331                        | 44.00                  | 18.40                          |
| 10                                                | 15870.00       | 47.80 AV                      | 54.00             | -6.20          | 1.67 V                   | 331                        | 29.40                  | 18.40                          |

#### 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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 106 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5470.00       | 66.90 PK                      | 74.00             | -7.10          | 1.77 H                   | 15                         | 60.00                  | 6.90                           |
| 2                                                   | #5470.00       | 51.10 AV                      | 54.00             | -2.90          | 1.77 H                   | 15                         | 44.20                  | 6.90                           |
| 3                                                   | *5530.00       | 101.50 PK                     |                   |                | 1.77 H                   | 15                         | 94.50                  | 7.00                           |
| 4                                                   | *5530.00       | 89.40 AV                      |                   |                | 1.77 H                   | 15                         | 82.40                  | 7.00                           |
| 5                                                   | #5725.00       | 59.40 PK                      | 74.00             | -14.60         | 1.77 H                   | 15                         | 51.70                  | 7.70                           |
| 6                                                   | #5725.00       | 46.50 AV                      | 54.00             | -7.50          | 1.77 H                   | 15                         | 38.80                  | 7.70                           |
| 7                                                   | 11060.00       | 51.20 PK                      | 74.00             | -22.80         | 1.89 H                   | 118                        | 37.60                  | 13.60                          |
| 8                                                   | 11060.00       | 42.30 AV                      | 54.00             | -11.70         | 1.89 H                   | 118                        | 28.70                  | 13.60                          |
| 9                                                   | #16590.00      | 65.60 PK                      | 74.00             | -8.40          | 1.76 H                   | 191                        | 44.70                  | 20.90                          |
| 10                                                  | #16590.00      | 49.70 AV                      | 54.00             | -4.30          | 1.76 H                   | 191                        | 28.80                  | 20.90                          |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|---------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                               | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                 | #5470.00       | 68.70 PK                      | 74.00             | -5.30          | 2.18 V                   | 207                        | 61.80                  | 6.90                           |
| 2                                                 | #5470.00       | 52.10 AV                      | 54.00             | -1.90          | 2.18 V                   | 207                        | 45.20                  | 6.90                           |
| 3                                                 | *5530.00       | 102.20 PK                     |                   |                | 2.18 V                   | 207                        | 95.20                  | 7.00                           |
| 4                                                 | *5530.00       | 90.50 AV                      |                   |                | 2.18 V                   | 207                        | 83.50                  | 7.00                           |
| 5                                                 | #5725.00       | 60.80 PK                      | 74.00             | -13.20         | 2.18 V                   | 207                        | 53.10                  | 7.70                           |
| 6                                                 | #5725.00       | 47.60 AV                      | 54.00             | -6.40          | 2.18 V                   | 207                        | 39.90                  | 7.70                           |
| 7                                                 | 11060.00       | 51.30 PK                      | 74.00             | -22.70         | 1.57 V                   | 329                        | 37.70                  | 13.60                          |
| 8                                                 | 11060.00       | 39.40 AV                      | 54.00             | -14.60         | 1.57 V                   | 329                        | 25.80                  | 13.60                          |
| 9                                                 | #16590.00      | 62.30 PK                      | 74.00             | -11.70         | 1.70 V                   | 331                        | 41.40                  | 20.90                          |
| 10                                                | #16590.00      | 47.50 AV                      | 54.00             | -6.50          | 1.70 V                   | 331                        | 26.60                  | 20.90                          |

#### 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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

|                        |                |                              |              |
|------------------------|----------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 155 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 40GHz   |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5567.57       | 64.88 PK                      | 68.20             | -3.32          | 1.98 H                   | 220                        | 53.91                  | 10.97                          |
| 2                                                   | *5775.00       | 102.90 PK                     |                   |                | 1.98 H                   | 220                        | 95.20                  | 7.70                           |
| 3                                                   | *5775.00       | 92.90 AV                      |                   |                | 1.98 H                   | 220                        | 85.20                  | 7.70                           |
| 4                                                   | #6011.23       | 64.98 PK                      | 68.20             | -3.22          | 1.98 H                   | 220                        | 53.71                  | 11.27                          |
| 5                                                   | 11550.00       | 50.60 PK                      | 74.00             | -23.40         | 1.91 H                   | 102                        | 37.40                  | 13.20                          |
| 6                                                   | 11550.00       | 41.90 AV                      | 54.00             | -12.10         | 1.91 H                   | 102                        | 28.70                  | 13.20                          |
| 7                                                   | #17325.00      | 66.20 PK                      | 74.00             | -7.80          | 1.78 H                   | 200                        | 43.00                  | 23.20                          |
| 8                                                   | #17325.00      | 50.30 AV                      | 54.00             | -3.70          | 1.78 H                   | 200                        | 27.10                  | 23.20                          |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | #5646.43       | 66.61 PK                      | 68.20             | -1.59          | 2.18 V                   | 187                        | 55.53                  | 11.08                          |
| 2                                                   | *5775.00       | 104.30 PK                     |                   |                | 2.18 V                   | 187                        | 96.60                  | 7.70                           |
| 3                                                   | *5775.00       | 94.50 AV                      |                   |                | 2.18 V                   | 187                        | 86.80                  | 7.70                           |
| 4                                                   | #6015.50       | 65.64 PK                      | 68.20             | -2.56          | 2.18 V                   | 187                        | 54.39                  | 11.25                          |
| 5                                                   | 11550.00       | 53.40 PK                      | 74.00             | -20.60         | 1.67 V                   | 327                        | 40.20                  | 13.20                          |
| 6                                                   | 11550.00       | 41.10 AV                      | 54.00             | -12.90         | 1.67 V                   | 327                        | 27.90                  | 13.20                          |
| 7                                                   | #17325.00      | 64.00 PK                      | 74.00             | -10.00         | 1.67 V                   | 321                        | 40.80                  | 23.20                          |
| 8                                                   | #17325.00      | 50.40 AV                      | 54.00             | -3.60          | 1.67 V                   | 321                        | 27.20                  | 23.20                          |

**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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " \* ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

## Below 1GHz Data

### 802.11a

|                        |                |                              |                 |
|------------------------|----------------|------------------------------|-----------------|
| <b>CHANNEL</b>         | TX Channel 116 | <b>DETECTOR<br/>FUNCTION</b> | Quasi-Peak (QP) |
| <b>FREQUENCY RANGE</b> | 30MHz ~ 1GHz   |                              |                 |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                |                               |                   |                |                          |                            |                        |                                |
|-----------------------------------------------------|----------------|-------------------------------|-------------------|----------------|--------------------------|----------------------------|------------------------|--------------------------------|
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 47.99          | 30.43 QP                      | 40.00             | -9.57          | 2.00 H                   | 166                        | 38.89                  | -8.46                          |
| 2                                                   | 184.91         | 36.16 QP                      | 43.50             | -7.34          | 2.00 H                   | 51                         | 46.06                  | -9.90                          |
| 3                                                   | 360.02         | 39.33 QP                      | 46.00             | -6.67          | 1.00 H                   | 259                        | 44.44                  | -5.11                          |
| 4                                                   | 648.01         | 42.63 QP                      | 46.00             | -3.37          | 1.50 H                   | 360                        | 41.11                  | 1.52                           |
| 5                                                   | 840.00         | 41.04 QP                      | 46.00             | -4.96          | 1.00 H                   | 189                        | 36.19                  | 4.85                           |
| 6                                                   | 984.00         | 41.95 QP                      | 54.00             | -12.05         | 1.00 H                   | 175                        | 34.59                  | 7.36                           |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                |                               |                   |                |                          |                            |                        |                                |
| NO.                                                 | FREQ.<br>(MHz) | EMISSION<br>LEVEL<br>(dBuV/m) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>HEIGHT<br>(m) | TABLE<br>ANGLE<br>(Degree) | RAW<br>VALUE<br>(dBuV) | CORRECTION<br>FACTOR<br>(dB/m) |
| 1                                                   | 184.16         | 35.36 QP                      | 43.50             | -8.14          | 1.10 V                   | 214                        | 45.18                  | -9.82                          |
| 2                                                   | 312.00         | 35.23 QP                      | 46.00             | -10.77         | 1.50 V                   | 143                        | 41.39                  | -6.16                          |
| 3                                                   | 528.00         | 38.41 QP                      | 46.00             | -7.59          | 1.16 V                   | 234                        | 39.54                  | -1.13                          |
| 4                                                   | 648.01         | 37.05 QP                      | 46.00             | -8.95          | 1.00 V                   | 242                        | 35.53                  | 1.52                           |
| 5                                                   | 887.99         | 36.46 QP                      | 46.00             | -9.54          | 1.43 V                   | 246                        | 30.96                  | 5.50                           |
| 6                                                   | 984.00         | 39.23 QP                      | 54.00             | -14.77         | 1.43 V                   | 116                        | 31.87                  | 7.36                           |

#### 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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

## 4.2 Transmit Power Measurement

### 4.2.1 Limits of Transmit Power Measurement

| Operation Band | EUT Category |                                   | Limit                                                                                                                       |
|----------------|--------------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| U-NII-1        |              | Outdoor Access Point              | 1 Watt (30 dBm)<br>(Max. e.i.r.p $\leq$ 125mW(21 dBm) at any elevation angle above 30 degrees as measured from the horizon) |
|                |              | Fixed point-to-point Access Point | 1 Watt (30 dBm)                                                                                                             |
|                | √            | Indoor Access Point               | 1 Watt (30 dBm)                                                                                                             |
|                |              | Mobile and Portable client device | 250mW (24 dBm)                                                                                                              |
| U-NII-2A       |              | √                                 | 250mW (24 dBm) or 11 dBm+10 log B*                                                                                          |
| U-NII-2C       |              | √                                 | 250mW (24 dBm) or 11 dBm+10 log B*                                                                                          |
| U-NII-3        |              | √                                 | 1 Watt (30 dBm)                                                                                                             |

\*B is the 26 dB emission bandwidth in megahertz

Per KDB 662911 Method of conducted output power measurement on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for  $N_{ANT} \leq 4$ ;

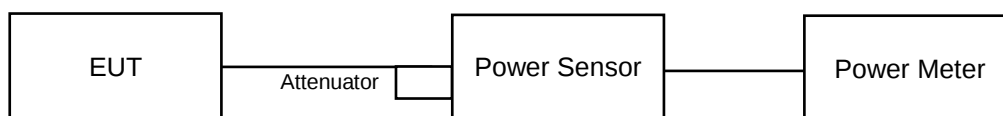
Array Gain = 0 dB (i.e., no array gain) for channel widths  $\geq 40$  MHz for any  $N_{ANT}$ ;

Array Gain =  $5 \log(N_{ANT}/N_{SS})$  dB or 3 dB, whichever is less for 20-MHz channel widths with  $N_{ANT} \geq 5$ .

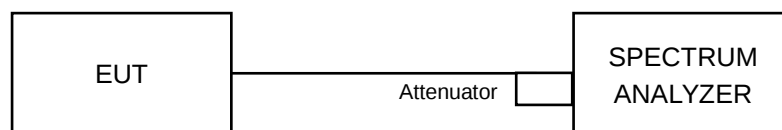
For power measurements on all other devices: Array Gain =  $10 \log(N_{ANT}/N_{SS})$  dB.

### 4.2.2 Test Setup

#### FOR POWER OUTPUT MEASUREMENT



#### FOR 26dB OCCUPIED BANDWIDTH



### 4.2.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

#### 4.2.4 Test Procedure

##### For POWER OUTPUT MEASUREMENT:

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

##### FOR 26dB OCCUPIED BANDWIDTH

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

#### 4.2.5 Deviation from Test Standard

No deviation.

#### 4.2.6 EUT Operating Condition

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

#### 4.2.7 Test Result

##### Power Output:

##### 802.11a

| Chan. | Chan. Freq.<br>(MHz) | Average Power (dBm) |         | Total<br>Power<br>(mW) | Total Power<br>(dBm) | Limit (dBm) | Pass / Fail |
|-------|----------------------|---------------------|---------|------------------------|----------------------|-------------|-------------|
|       |                      | Chain 0             | Chain 1 |                        |                      |             |             |
| 36    | 5180                 | 15.24               | 14.60   | 62.26                  | 17.94                | 30.00       | Pass        |
| 40    | 5200                 | 14.82               | 15.25   | 63.836                 | 18.05                | 30.00       | Pass        |
| 48    | 5240                 | 14.74               | 15.41   | 64.539                 | 18.10                | 30.00       | Pass        |
| 52    | 5260                 | 15.42               | 15.56   | 70.809                 | 18.50                | 23.98       | Pass        |
| 60    | 5300                 | 15.11               | 15.43   | 67.348                 | 18.28                | 24.00       | Pass        |
| 64    | 5320                 | 13.38               | 13.51   | 44.216                 | 16.46                | 24.00       | Pass        |
| 100   | 5500                 | 13.72               | 13.76   | 47.318                 | 16.75                | 23.97       | Pass        |
| 120   | 5600                 | 15.76               | 15.61   | 74.062                 | 18.70                | 24.00       | Pass        |
| 140   | 5700                 | 13.29               | 12.81   | 40.429                 | 16.07                | 24.00       | Pass        |
| 149   | 5745                 | 15.29               | 15.37   | 68.241                 | 18.34                | 30.00       | Pass        |
| 157   | 5785                 | 15.24               | 15.63   | 69.979                 | 18.45                | 30.00       | Pass        |
| 165   | 5825                 | 14.90               | 15.57   | 66.961                 | 18.26                | 30.00       | Pass        |

##### FOR 26dB OCCUPIED BANDWIDTH

##### 802.11a

| Channel | Frequency (MHz) | 26dBc Bandwidth (MHz) |         |
|---------|-----------------|-----------------------|---------|
|         |                 | Chain 0               | Chain 1 |
| 52      | 5260            | 26.66                 | 19.87   |
| 60      | 5300            | 25.73                 | 22.10   |
| 64      | 5320            | 20.59                 | 20.01   |
| 100     | 5500            | 19.97                 | 19.84   |
| 120     | 5600            | 22.83                 | 20.37   |
| 140     | 5700            | 20.15                 | 20.22   |

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

| Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C > |            |             |                                  |
|-----------------------------------------------------|------------|-------------|----------------------------------|
| Channel Number                                      | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit (dBm) |
| 52                                                  | 5260       | 19.87       | 23.98 < 24                       |
| 60                                                  | 5300       | 22.10       | 24.44 > 24                       |
| 64                                                  | 5320       | 20.01       | 24.01 > 24                       |
| 100                                                 | 5500       | 19.84       | 23.97 < 24                       |
| 116                                                 | 5580       | 20.37       | 24.08 > 24                       |
| 140                                                 | 5700       | 20.15       | 24.04 > 24                       |

# Power Output:

## 802.11ac (VHT20)

| Chan. | Chan. Freq.<br>(MHz) | Average Power (dBm) |         | Total<br>Power<br>(mW) | Total Power<br>(dBm) | Limit (dBm) | Pass / Fail |
|-------|----------------------|---------------------|---------|------------------------|----------------------|-------------|-------------|
|       |                      | Chain 0             | Chain 1 |                        |                      |             |             |
| 36    | 5180                 | 14.86               | 14.70   | 60.132                 | 17.79                | 30.00       | Pass        |
| 40    | 5200                 | 14.94               | 14.76   | 61.112                 | 17.86                | 30.00       | Pass        |
| 48    | 5240                 | 14.81               | 14.65   | 59.443                 | 17.74                | 30.00       | Pass        |
| 52    | 5260                 | 15.21               | 15.71   | 70.428                 | 18.48                | 24.00       | Pass        |
| 60    | 5300                 | 14.93               | 15.61   | 67.509                 | 18.29                | 24.00       | Pass        |
| 64    | 5320                 | 13.21               | 13.86   | 45.263                 | 16.56                | 24.00       | Pass        |
| 100   | 5500                 | 13.31               | 13.53   | 43.971                 | 16.43                | 24.00       | Pass        |
| 120   | 5600                 | 15.64               | 15.86   | 75.192                 | 18.76                | 24.00       | Pass        |
| 140   | 5700                 | 11.96               | 12.31   | 32.726                 | 15.15                | 24.00       | Pass        |
| 149   | 5745                 | 15.15               | 15.34   | 66.932                 | 18.26                | 30.00       | Pass        |
| 157   | 5785                 | 15.13               | 15.64   | 69.228                 | 18.40                | 30.00       | Pass        |
| 165   | 5825                 | 14.95               | 15.41   | 66.015                 | 18.20                | 30.00       | Pass        |

## FOR 26dB OCCUPIED BANDWIDTH

### 802.11ac (VHT20)

| Channel | Frequency (MHz) | 26dBc Bandwidth (MHz) |         |
|---------|-----------------|-----------------------|---------|
|         |                 | Chain 0               | Chain 1 |
| 52      | 5260            | 27.34                 | 20.40   |
| 60      | 5300            | 31.81                 | 28.73   |
| 64      | 5320            | 20.74                 | 20.38   |
| 100     | 5500            | 20.39                 | 20.14   |
| 120     | 5600            | 29.19                 | 23.39   |
| 140     | 5700            | 20.41                 | 20.30   |

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

| Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C > |            |             |                                  |
|-----------------------------------------------------|------------|-------------|----------------------------------|
| Channel Number                                      | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit (dBm) |
| 52                                                  | 5260       | 20.40       | 24.09 > 24                       |
| 60                                                  | 5300       | 28.73       | 25.58 > 24                       |
| 64                                                  | 5320       | 20.38       | 24.09 > 24                       |
| 100                                                 | 5500       | 20.14       | 24.04 > 24                       |
| 116                                                 | 5580       | 23.39       | 24.69 > 24                       |
| 140                                                 | 5700       | 20.30       | 24.07 > 24                       |

# Power Output:

## 802.11ac (VHT40)

| Chan. | Chan. Freq.<br>(MHz) | Average Power (dBm) |         | Total<br>Power<br>(mW) | Total Power<br>(dBm) | Limit (dBm) | Pass / Fail |
|-------|----------------------|---------------------|---------|------------------------|----------------------|-------------|-------------|
|       |                      | Chain 0             | Chain 1 |                        |                      |             |             |
| 38    | 5190                 | 10.95               | 10.38   | 23.359                 | 13.68                | 30.00       | Pass        |
| 46    | 5230                 | 14.78               | 15.29   | 63.867                 | 18.05                | 30.00       | Pass        |
| 54    | 5270                 | 14.67               | 15.01   | 61.005                 | 17.85                | 24.00       | Pass        |
| 62    | 5310                 | 11.86               | 11.91   | 30.87                  | 14.90                | 24.00       | Pass        |
| 102   | 5510                 | 9.73                | 10.11   | 19.654                 | 12.93                | 24.00       | Pass        |
| 110   | 5550                 | 15.14               | 15.24   | 66.079                 | 18.20                | 24.00       | Pass        |
| 134   | 5670                 | 13.50               | 13.23   | 43.425                 | 16.38                | 24.00       | Pass        |
| 151   | 5755                 | 14.91               | 14.72   | 60.622                 | 17.83                | 30.00       | Pass        |
| 159   | 5795                 | 14.81               | 15.11   | 62.703                 | 17.97                | 30.00       | Pass        |

# FOR 26dB OCCUPIED BANDWIDTH

## 802.11ac (VHT40)

| Channel | Frequency (MHz) | 26dBc Bandwidth (MHz) |         |
|---------|-----------------|-----------------------|---------|
|         |                 | Chain 0               | Chain 1 |
| 54      | 5270            | 42.31                 | 48.42   |
| 62      | 5310            | 50.87                 | 41.56   |
| 102     | 5510            | 41.80                 | 41.49   |
| 110     | 5550            | 55.48                 | 58.62   |
| 134     | 5670            | 41.96                 | 41.72   |

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

| Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C > |            |             |                                  |
|-----------------------------------------------------|------------|-------------|----------------------------------|
| Channel Number                                      | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit (dBm) |
| 54                                                  | 5270       | 42.31       | 27.26 > 24                       |
| 62                                                  | 5310       | 41.56       | 27.18 > 24                       |
| 102                                                 | 5510       | 41.49       | 27.17 > 24                       |
| 110                                                 | 5550       | 55.48       | 28.44 > 24                       |
| 134                                                 | 5670       | 41.72       | 27.2 > 24                        |

**Power Output:**
**802.11ac (VHT80)**

| Chan. | Chan. Freq.<br>(MHz) | Average Power (dBm) |         | Total<br>Power<br>(mW) | Total Power<br>(dBm) | Limit (dBm) | Pass / Fail |
|-------|----------------------|---------------------|---------|------------------------|----------------------|-------------|-------------|
|       |                      | Chain 0             | Chain 1 |                        |                      |             |             |
| 42    | 5210                 | 8.70                | 7.21    | 12.673                 | 11.03                | 30.00       | Pass        |
| 58    | 5290                 | 8.91                | 7.82    | 13.833                 | 11.41                | 24.00       | Pass        |
| 106   | 5530                 | 7.46                | 7.22    | 10.844                 | 10.35                | 24.00       | Pass        |
| 155   | 5775                 | 12.54               | 12.13   | 34.278                 | 15.35                | 30.00       | Pass        |

**FOR 26dB OCCUPIED BANDWIDTH**
**802.11ac (VHT80)**

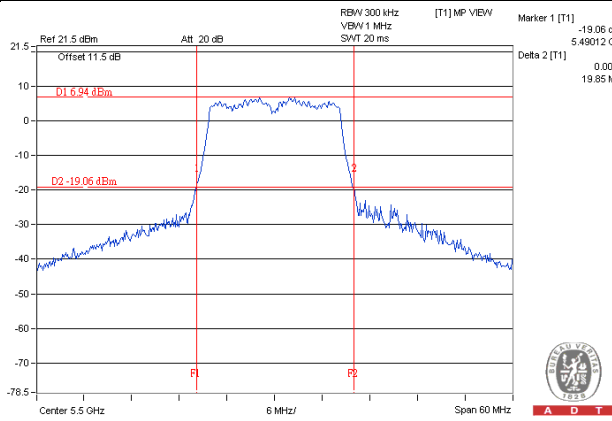
| Channel | Frequency (MHz) | 26dBc Bandwidth (MHz) |         |
|---------|-----------------|-----------------------|---------|
|         |                 | Chain 0               | Chain 1 |
| 58      | 5290            | 82.05                 | 81.95   |
| 106     | 5530            | 82.16                 | 81.91   |

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

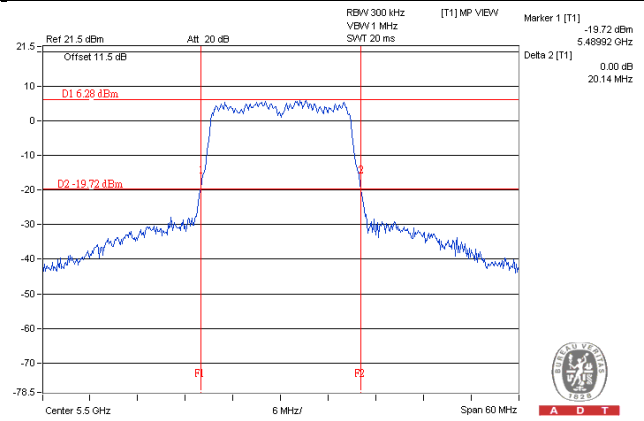
| Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C > |            |             |                                     |
|-----------------------------------------------------|------------|-------------|-------------------------------------|
| Channel Number                                      | Freq.(MHz) | Min. B(MHz) | Determined Conducted Limit<br>(dBm) |
| 58                                                  | 5290       | 81.95       | 30.13 > 24                          |
| 106                                                 | 5530       | 81.91       | 30.13 > 24                          |

## Spectrum Plot of Worst Value

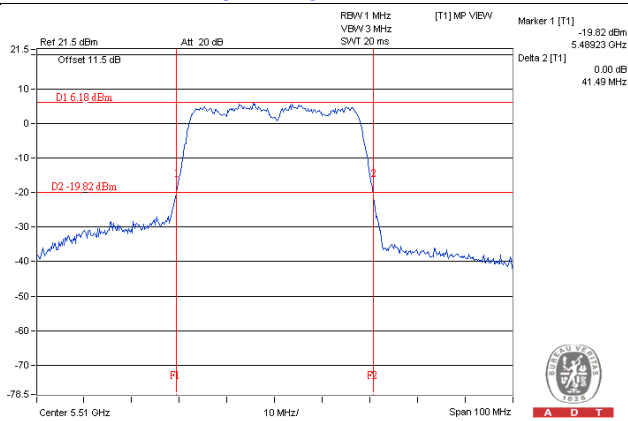
### 802.11a\_Chain 1 / CH100



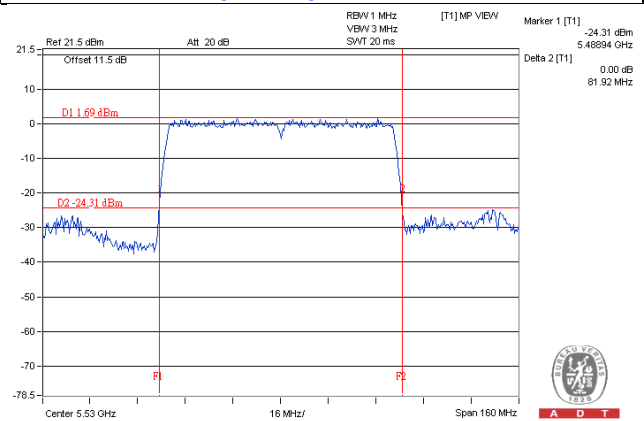
### 802.11ac (VHT20)\_Chain 1 / CH100



### 8802.11ac (VHT40)\_Chain 1 / CH102



### 802.11ac (VHT80)\_Chain 1 / CH106

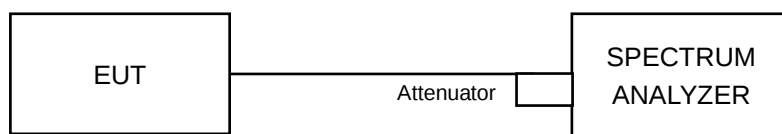


### 4.3 Peak Power Spectral Density Measurement

#### 4.3.1 Limits of Peak Power Spectral Density Measurement

| Operation Band | EUT Category |                                   | Limit         |
|----------------|--------------|-----------------------------------|---------------|
| U-NII-1        |              | Outdoor Access Point              | 17dBm/ MHz    |
|                |              | Fixed point-to-point Access Point |               |
|                |              | Indoor Access Point               |               |
|                |              | Mobile and Portable client device | 11dBm/ MHz    |
| U-NII-2A       |              |                                   | 11dBm/ MHz    |
| U-NII-2C       |              |                                   | 11dBm/ MHz    |
| U-NII-3        | √            |                                   | 30dBm/ 500kHz |

#### 4.3.2 Test Setup



#### 4.3.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

#### 4.3.4 Test Procedure

1. Set span to encompass the entire emission bandwidth (EBW) of the signal.
2. Set RBW = 300 kHz, Set VBW ≥ 1 MHz, Detector = RMS
3. Use the peak marker function to determine the maximum power level in any 300 kHz band segment within the fundamental EBW.
4. Scale the observed power level to an equivalent value in 500 kHz by adjusting (reducing) the measured power by a bandwidth correction factor (BWCF) where  $BWCF = 10\log(500 \text{ kHz}/300\text{kHz})$
5. Sweep time = auto, trigger set to “free run”.
6. Trace average at least 100 traces in power averaging mode.
7. Record the max value

#### 4.3.5 Deviation from Test Standard

No deviation.

#### 4.3.6 EUT Operating Condition

Same as Item 4.3.6.

#### 4.3.7 Test Results

##### 802.11a

| TX chain | Channel | Freq. (MHz) | PSD (dBm/300kHz) | PSD (dBm/500kHz) | 10 log (N=2) dB | Total PSD (dBm/500kHz) | Limit (dBm/500kHz) | Pass /Fail |
|----------|---------|-------------|------------------|------------------|-----------------|------------------------|--------------------|------------|
| 0        | 149     | 5745        | -7.31            | -5.09            | 3.01            | -2.08                  | 27.83              | Pass       |
|          | 157     | 5785        | -5.65            | -3.43            | 3.01            | -0.42                  | 27.83              | Pass       |
|          | 165     | 5825        | -6.01            | -3.79            | 3.01            | -0.78                  | 27.83              | Pass       |
| 1        | 149     | 5745        | -7.70            | -5.48            | 3.01            | -2.47                  | 27.83              | Pass       |
|          | 157     | 5785        | -7.75            | -5.53            | 3.01            | -2.52                  | 27.83              | Pass       |
|          | 165     | 5825        | -7.39            | -5.17            | 3.01            | -2.16                  | 27.83              | Pass       |

Note: 1. Directional gain =  $5.16\text{dBi} + 10\log(2) = 8.17\text{dBi} > 6\text{dBi}$  , so the power density limit shall be reduced to  $30-(8.17-6) = 27.83\text{dBm}$ .

##### 802.11ac (VHT20)

| TX chain | Channel | Freq. (MHz) | PSD (dBm/300kHz) | PSD (dBm/500kHz) | 10 log (N=2) dB | Total PSD (dBm/500kHz) | Limit (dBm/500kHz) | Pass /Fail |
|----------|---------|-------------|------------------|------------------|-----------------|------------------------|--------------------|------------|
| 0        | 149     | 5745        | -8.03            | -5.81            | 3.01            | -2.80                  | 30.00              | Pass       |
|          | 157     | 5785        | -7.45            | -5.23            | 3.01            | -2.22                  | 30.00              | Pass       |
|          | 165     | 5825        | -7.64            | -5.42            | 3.01            | -2.41                  | 30.00              | Pass       |
| 1        | 149     | 5745        | -7.46            | -5.24            | 3.01            | -2.23                  | 30.00              | Pass       |
|          | 157     | 5785        | -8.08            | -5.86            | 3.01            | -2.85                  | 30.00              | Pass       |
|          | 165     | 5825        | -8.38            | -6.16            | 3.01            | -3.15                  | 30.00              | Pass       |

**Note:** 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

### 802.11ac (VHT40)

| TX chain | Channel | Freq. (MHz) | PSD (dBm/300kHz) | PSD (dBm/500kHz) | 10 log (N=2) dB | Total PSD (dBm/500kHz) | Limit (dBm/500kHz) | Pass /Fail |
|----------|---------|-------------|------------------|------------------|-----------------|------------------------|--------------------|------------|
| 0        | 151     | 5755        | -11.61           | -9.39            | 3.01            | -6.38                  | 30.00              | Pass       |
|          | 159     | 5795        | -11.93           | -9.71            | 3.01            | -6.70                  | 30.00              | Pass       |
| 1        | 151     | 5755        | -11.03           | -8.81            | 3.01            | -5.80                  | 30.00              | Pass       |
|          | 159     | 5795        | -11.16           | -8.94            | 3.01            | -5.93                  | 30.00              | Pass       |

**Note:** 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

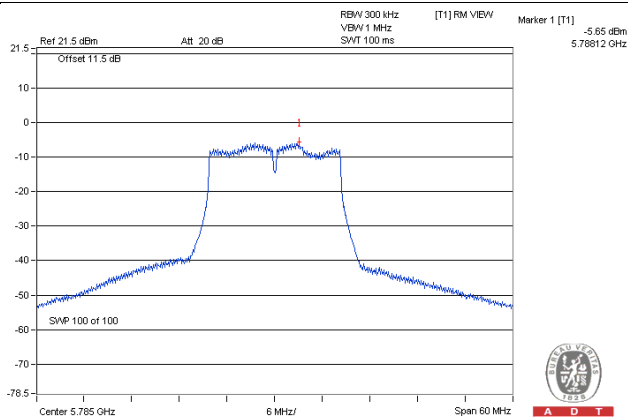
### 802.11ac (VHT80)

| TX chain | Channel | Freq. (MHz) | PSD (dBm/300kHz) | PSD (dBm/500kHz) | 10 log (N=2) dB | Total PSD (dBm/500kHz) | Limit (dBm/500kHz) | Pass /Fail |
|----------|---------|-------------|------------------|------------------|-----------------|------------------------|--------------------|------------|
| 0        | 155     | 5775        | -15.10           | -12.88           | 3.01            | -9.87                  | 30.00              | Pass       |
| 1        | 155     | 5775        | -15.85           | -13.63           | 3.01            | -10.62                 | 30.00              | Pass       |

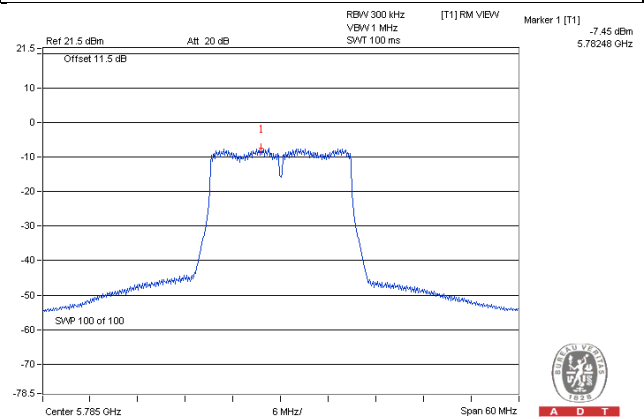
**Note:** 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

# Spectrum Plot of Worst Value

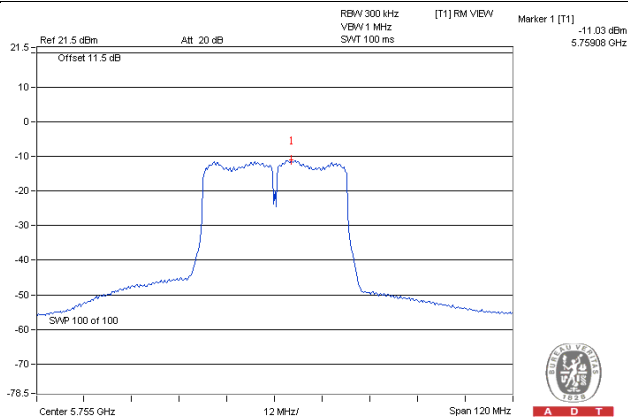
## 802.11a\_Chain 0 / CH157



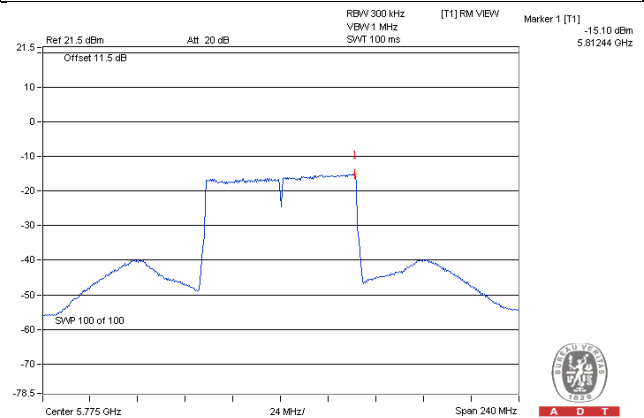
## 802.11ac (VHT20)\_Chain 0 / CH157



## 802.11ac (VHT40)\_Chain 1 / CH151



## 802.11ac (VHT80)\_Chain 0 / CH155

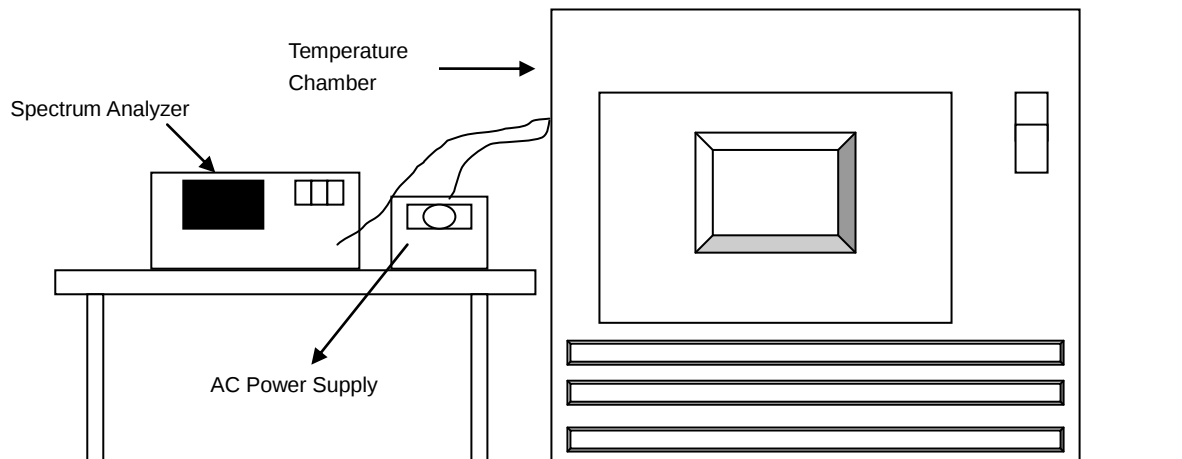


## 4.4 Frequency Stability Measurement

### 4.4.1 Limits of Frequency Stability Measurement

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

### 4.4.2 Test Setup



### 4.4.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

### 4.4.4 Test Procedure

- The EUT was placed inside the environmental test chamber and powered by nominal AC voltage.
- Turn the EUT on and couple its output to a spectrum analyzer.
- Turn the EUT off and set the chamber to the highest temperature specified.
- Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT on and measure the operating frequency after 2, 5, and 10 Minutes.
- Repeat step 2 and 3 with the temperature chamber set to the lowest temperature.
- The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 Minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.

### 4.4.5 Deviation from Test Standard

No deviation.

### 4.4.6 EUT Operating Condition

Set the EUT transmit at un-modulation mode to test frequency stability.

#### 4.4.7 Test Results

| Frequency Stability Versus Temp. |                          |                                |           |                                |           |                                |           |                                |           |
|----------------------------------|--------------------------|--------------------------------|-----------|--------------------------------|-----------|--------------------------------|-----------|--------------------------------|-----------|
| Operating Frequency: 5745 MHz    |                          |                                |           |                                |           |                                |           |                                |           |
| TEMP.<br>(°C)                    | Power<br>Supply<br>(Vac) | 0 Minute                       |           | 2 Minute                       |           | 5 Minute                       |           | 10 Minute                      |           |
|                                  |                          | Measured<br>Frequency<br>(MHz) | Pass/Fail | Measured<br>Frequency<br>(MHz) | Pass/Fail | Measured<br>Frequency<br>(MHz) | Pass/Fail | Measured<br>Frequency<br>(MHz) | Pass/Fail |
| 50                               | 120                      | 5744.9865                      | PASS      | 5744.9904                      | PASS      | 5744.9884                      | PASS      | 5744.987                       | PASS      |
| 40                               | 120                      | 5745.0183                      | PASS      | 5745.0225                      | PASS      | 5745.0204                      | PASS      | 5745.0231                      | PASS      |
| 30                               | 120                      | 5745.0046                      | PASS      | 5745.002                       | PASS      | 5745.0016                      | PASS      | 5745.0053                      | PASS      |
| 20                               | 120                      | 5744.9782                      | PASS      | 5744.9768                      | PASS      | 5744.9782                      | PASS      | 5744.9792                      | PASS      |
| 10                               | 120                      | 5744.9855                      | PASS      | 5744.9841                      | PASS      | 5744.9837                      | PASS      | 5744.9853                      | PASS      |
| 0                                | 120                      | 5745.0247                      | PASS      | 5745.0235                      | PASS      | 5745.0226                      | PASS      | 5745.0205                      | PASS      |
| -10                              | 120                      | 5745.0229                      | PASS      | 5745.0274                      | PASS      | 5745.0253                      | PASS      | 5745.0268                      | PASS      |
| -20                              | 120                      | 5745.0257                      | PASS      | 5745.0289                      | PASS      | 5745.0262                      | PASS      | 5745.028                       | PASS      |
| -30                              | 120                      | 5745.0224                      | PASS      | 5745.0221                      | PASS      | 5745.024                       | PASS      | 5745.0192                      | PASS      |

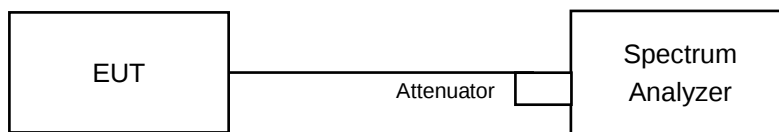
| Frequency Stability Versus Voltage |                          |                                |           |                                |           |                                |           |                                |           |
|------------------------------------|--------------------------|--------------------------------|-----------|--------------------------------|-----------|--------------------------------|-----------|--------------------------------|-----------|
| Operating Frequency: 5745 MHz      |                          |                                |           |                                |           |                                |           |                                |           |
| TEMP.<br>(°C)                      | Power<br>Supply<br>(Vac) | 0 Minute                       |           | 2 Minute                       |           | 5 Minute                       |           | 10 Minute                      |           |
|                                    |                          | Measured<br>Frequency<br>(MHz) | Pass/Fail | Measured<br>Frequency<br>(MHz) | Pass/Fail | Measured<br>Frequency<br>(MHz) | Pass/Fail | Measured<br>Frequency<br>(MHz) | Pass/Fail |
| 20                                 | 138                      | 5744.9774                      | PASS      | 5744.9766                      | PASS      | 5744.9783                      | PASS      | 5744.9794                      | PASS      |
|                                    | 120                      | 5744.9782                      | PASS      | 5744.9768                      | PASS      | 5744.9782                      | PASS      | 5744.9792                      | PASS      |
|                                    | 102                      | 5744.9788                      | PASS      | 5744.9771                      | PASS      | 5744.9778                      | PASS      | 5744.9793                      | PASS      |

## 4.5 6dB Bandwidth Measurement

### 4.5.1 Limits of 6dB Bandwidth Measurement

The minimum of 6dB Bandwidth Measurement is 0.5MHz.

### 4.5.2 Test Setup



### 4.5.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

### 4.5.4 Test Procedure

#### MEASUREMENT PROCEDURE REF

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

### 4.5.5 Deviation from Test Standard

No deviation.

### 4.5.6 EUT Operating Condition

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

#### 4.5.7 Test Results

##### 802.11a

| Channel | Frequency (MHz) | 6dB Bandwidth (MHz) |         | Minimum Limit (MHz) | Pass / Fail |
|---------|-----------------|---------------------|---------|---------------------|-------------|
|         |                 | Chain 0             | Chain 1 |                     |             |
| 149     | 5745            | 16.57               | 16.60   | 0.5                 | Pass        |
| 157     | 5785            | 16.57               | 16.60   | 0.5                 | Pass        |
| 165     | 5825            | 16.53               | 16.46   | 0.5                 | Pass        |

##### 802.11n (VHT20)

| Channel | Frequency (MHz) | 6dB Bandwidth (MHz) |         | Minimum Limit (MHz) | Pass / Fail |
|---------|-----------------|---------------------|---------|---------------------|-------------|
|         |                 | Chain 0             | Chain 1 |                     |             |
| 149     | 5745            | 17.75               | 17.80   | 0.5                 | Pass        |
| 157     | 5785            | 17.76               | 17.67   | 0.5                 | Pass        |
| 165     | 5825            | 17.70               | 17.66   | 0.5                 | Pass        |

##### 802.11ac (VHT40)

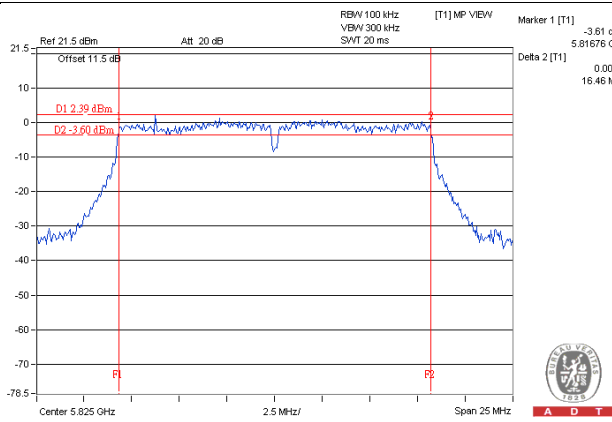
| Channel | Frequency (MHz) | 6dB Bandwidth (MHz) |         | Minimum Limit (MHz) | Pass / Fail |
|---------|-----------------|---------------------|---------|---------------------|-------------|
|         |                 | Chain 0             | Chain 1 |                     |             |
| 151     | 5755            | 36.42               | 36.50   | 0.5                 | Pass        |
| 159     | 5795            | 36.42               | 36.52   | 0.5                 | Pass        |

##### 802.11ac (VHT80)

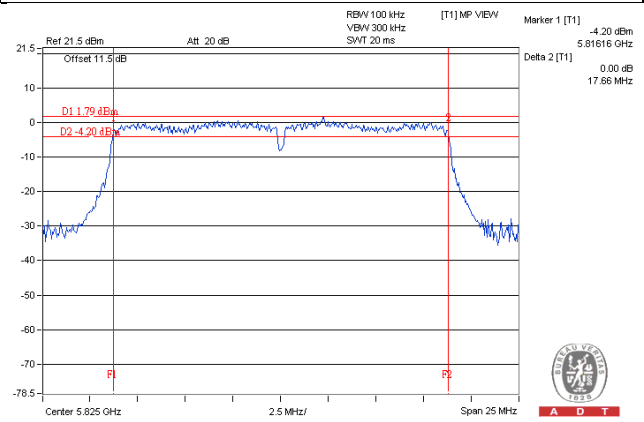
| Channel | Frequency (MHz) | 6dB Bandwidth (MHz) |         | Minimum Limit (MHz) | Pass / Fail |
|---------|-----------------|---------------------|---------|---------------------|-------------|
|         |                 | Chain 0             | Chain 1 |                     |             |
| 155     | 5775            | 76.75               | 76.76   | 0.5                 | Pass        |

### Spectrum Plot of Worst Value

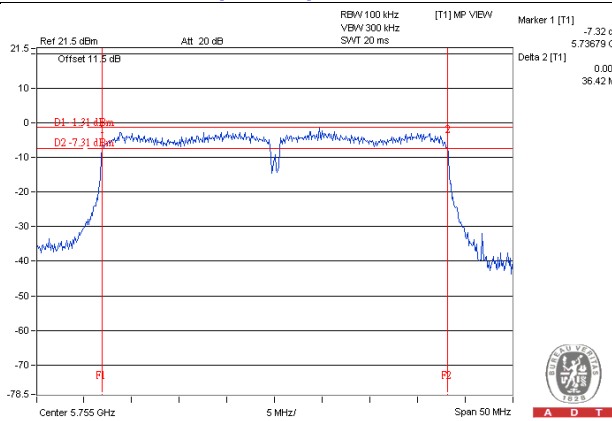
**802.11a\_Chain 1 / CH165**



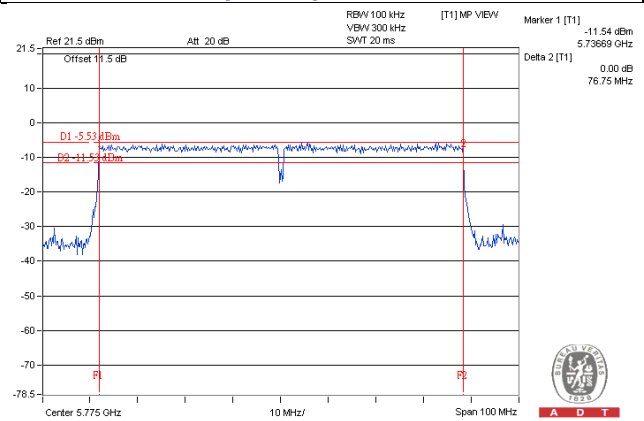
**802.11ac (VHT20)\_Chain 1 / CH165**



**802.11ac (VHT40)\_Chain 0 / CH151**



**802.11ac (VHT80)\_Chain 0 / CH155**



## 5 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo).

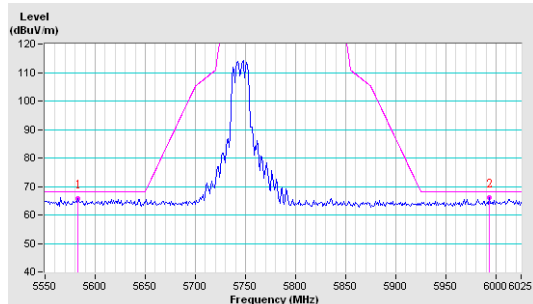
## Annex A- Radiated Out of Band Emisison (OOBE) Measurement (For U-NII-3 band)

### PIFA ANTENNA

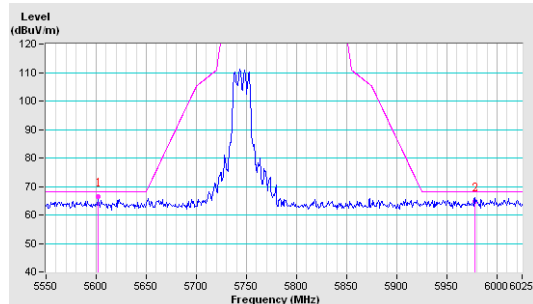
802.11a

CH 149 5745 MHz

Horizontal

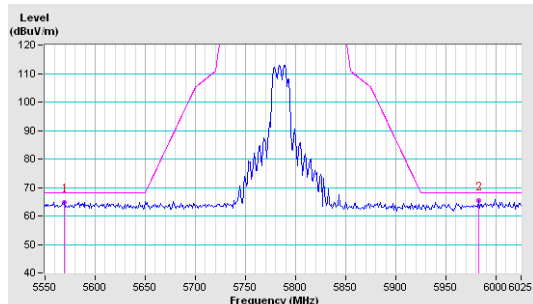


Vertical

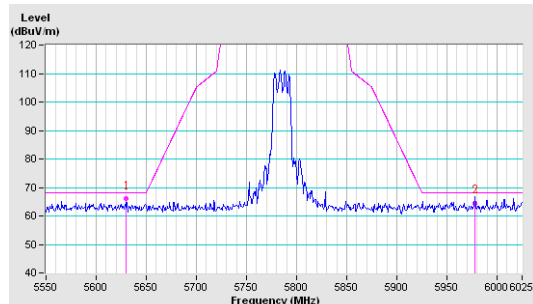


CH 157 5785 MHz

Horizontal

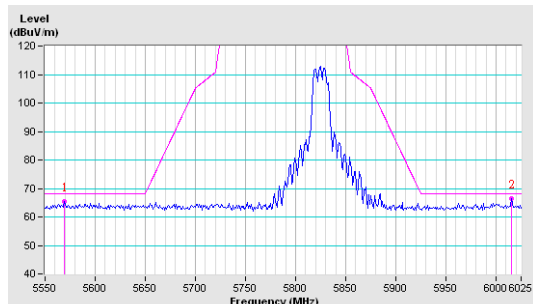


Vertical

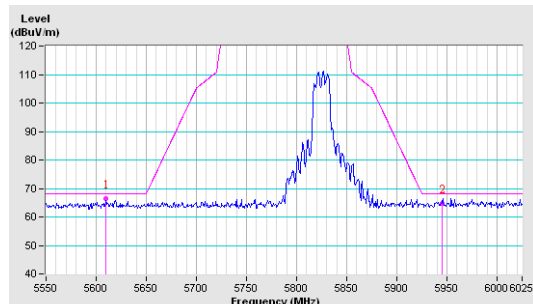


CH 165 5825 MHz

Horizontal



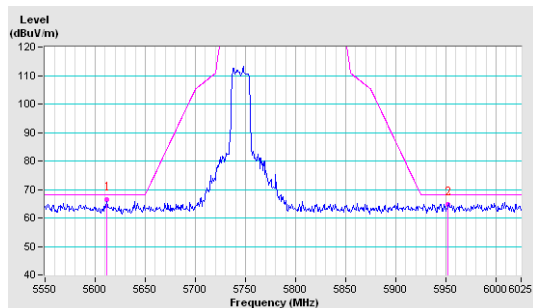
Vertical



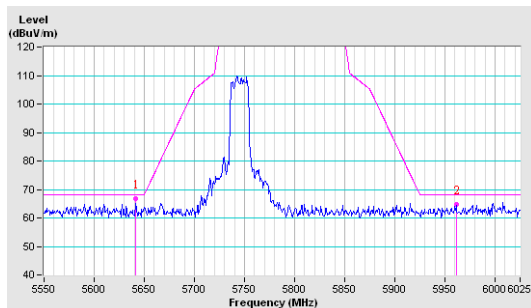
## 802.11ac (VHT20)

### CH 149 5745 MHz

#### Horizontal

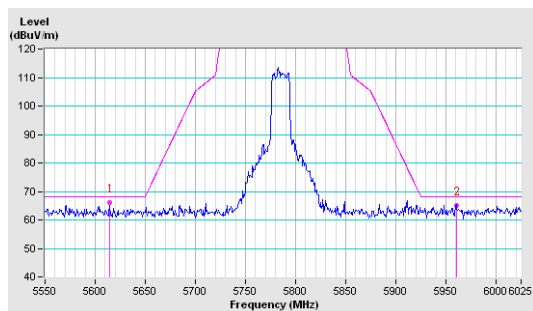


#### Vertical

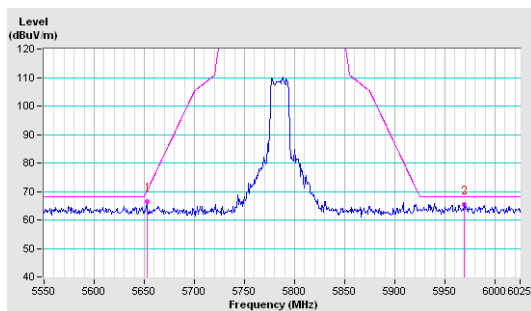


### CH 157 5785 MHz

#### Horizontal

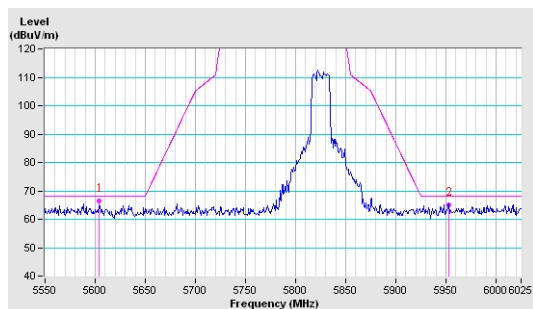


#### Vertical

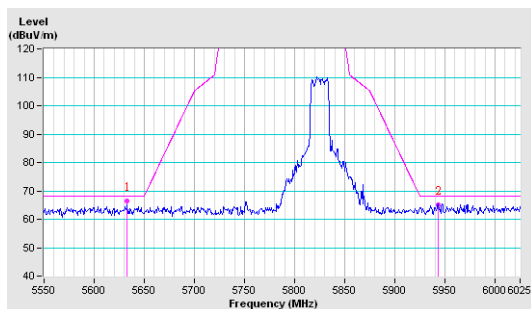


### CH 165 5825 MHz

#### Horizontal



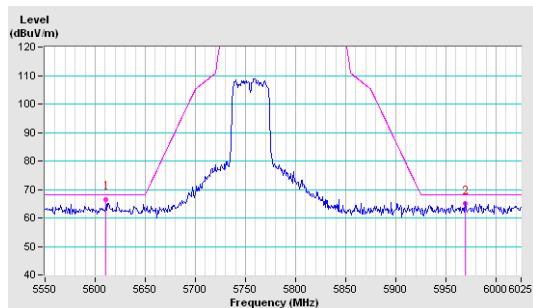
#### Vertical



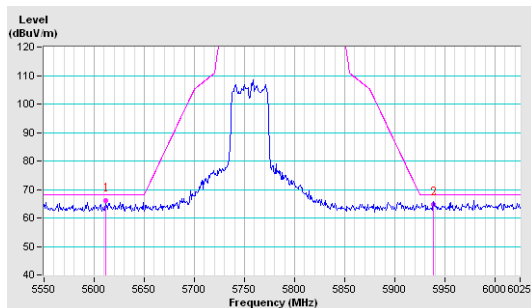
## 802.11ac (VHT40)

CH 151 5755 MHz

Horizontal

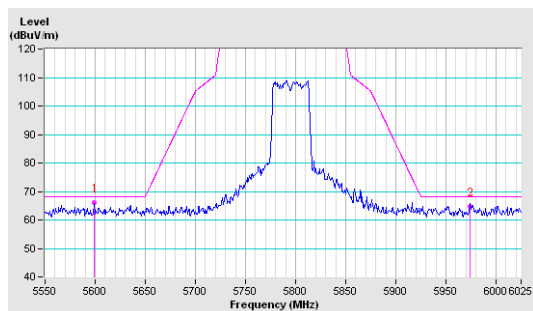


Vertical

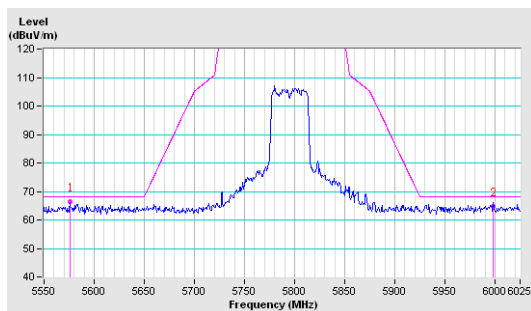


CH 159 5795 MHz

Horizontal



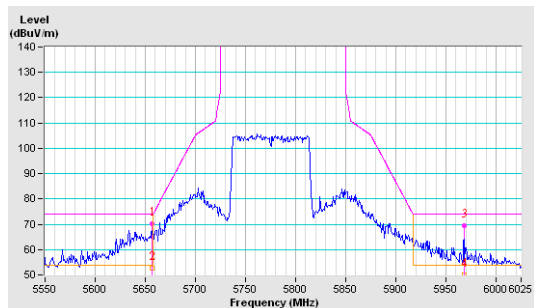
Vertical



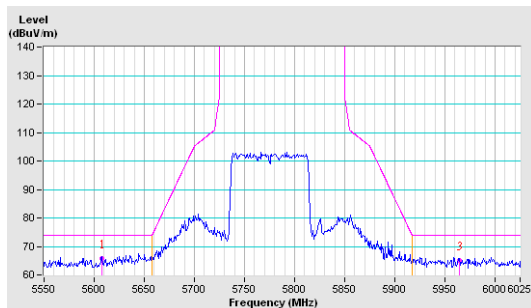
# 802.11ac (VHT80)

CH 155 5775 MHz

## Horizontal



## Vertical

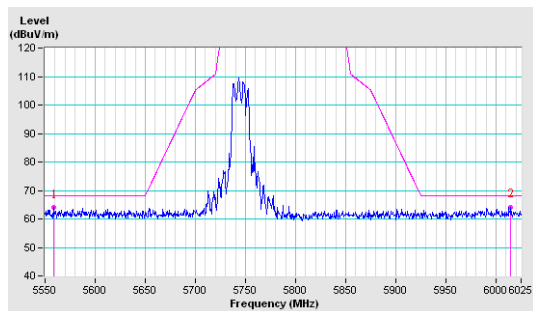


## DIPOLE ANTENNA

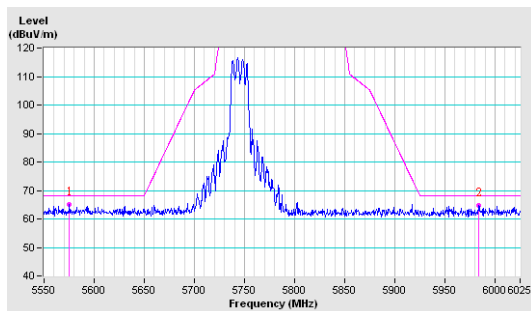
802.11a

CH 149 5745 MHz

Horizontal

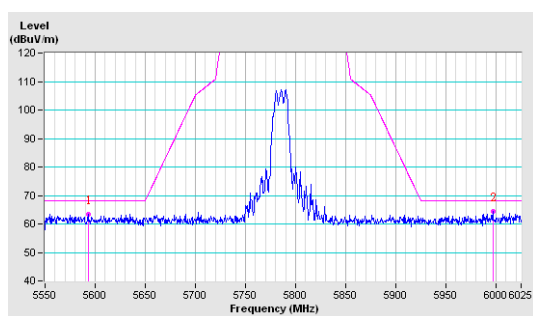


Vertical

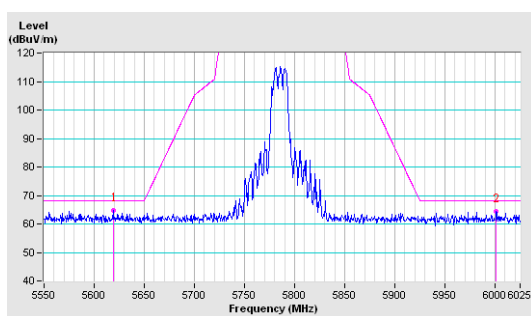


CH 157 5785 MHz

Horizontal

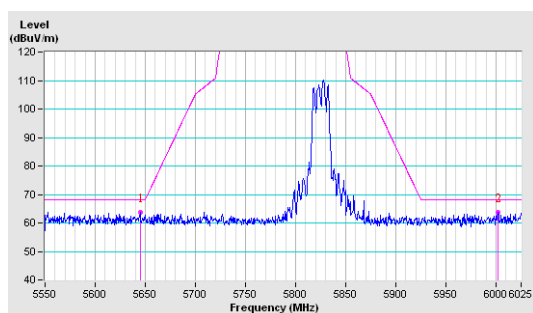


Vertical

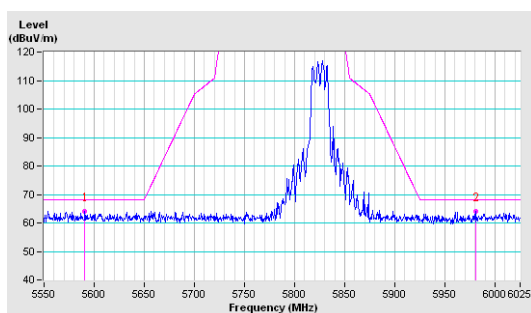


CH 165 5825 MHz

Horizontal



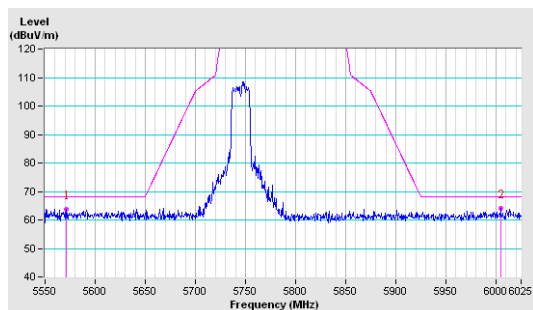
Vertical



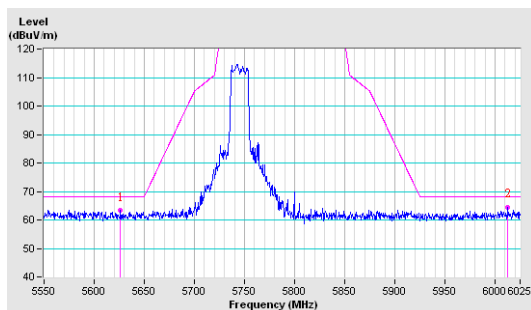
## 802.11ac (VHT20)

### CH 149 5745 MHz

#### Horizontal

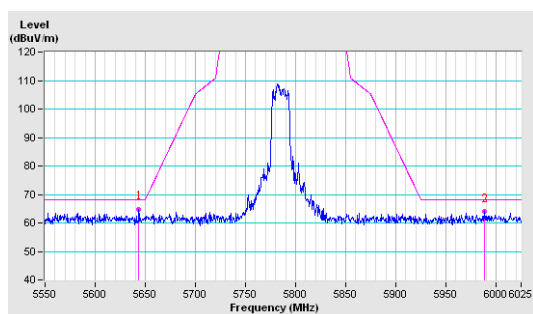


#### Vertical

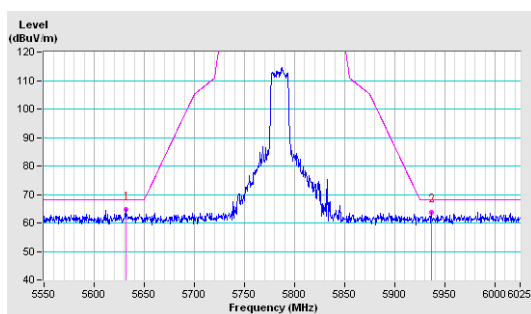


### CH 157 5785 MHz

#### Horizontal

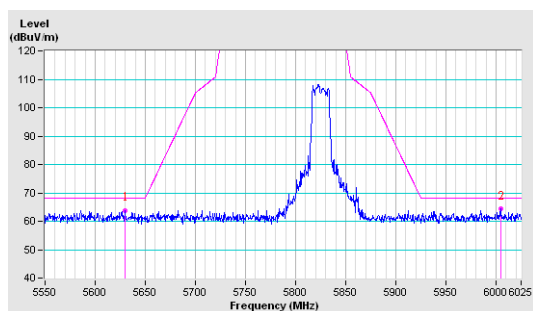


#### Vertical

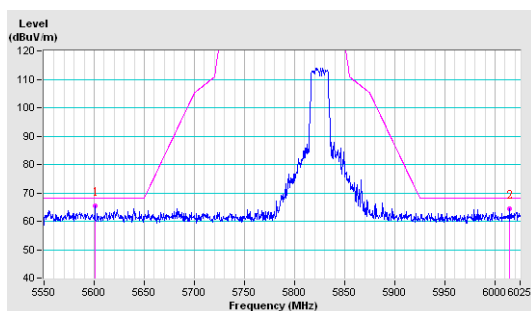


### CH 165 5825 MHz

#### Horizontal



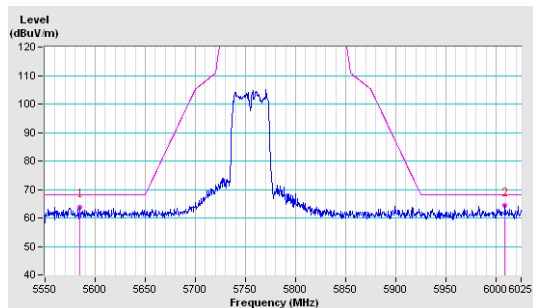
#### Vertical



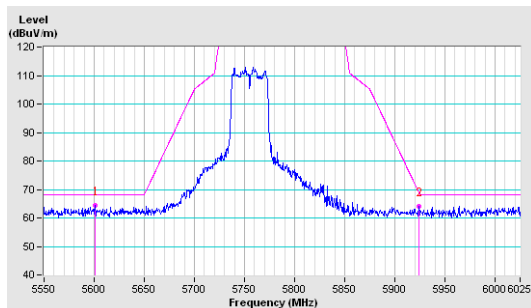
## 802.11ac (VHT40)

CH 151 5755 MHz

Horizontal

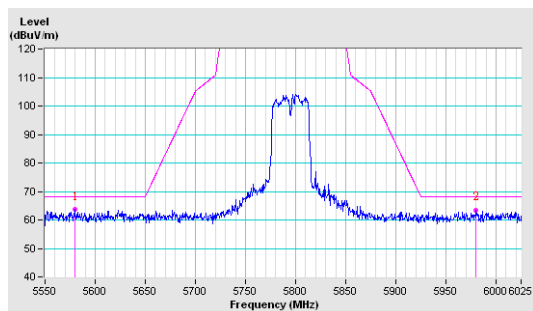


Vertical

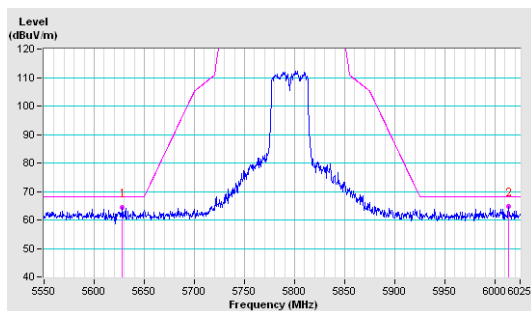


CH 159 5795 MHz

Horizontal



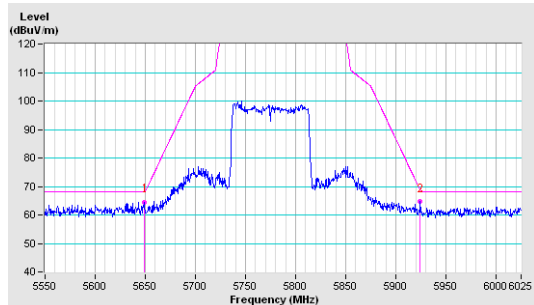
Vertical



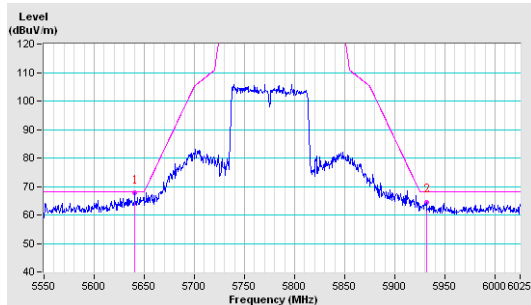
# 802.11ac (VHT80)

CH 155 5775 MHz

## Horizontal



## Vertical

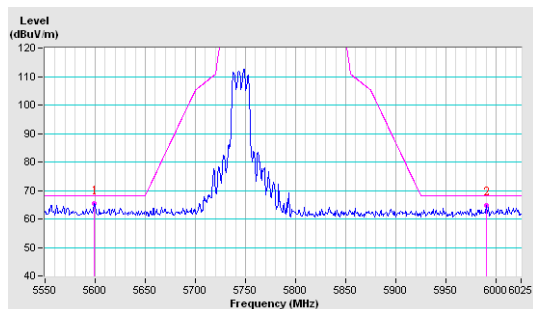


# SLOT ANTENNA

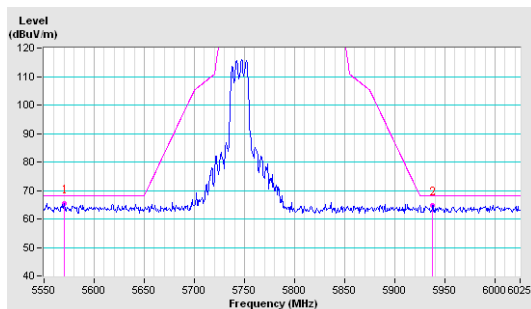
802.11a

CH 149 5745 MHz

Horizontal

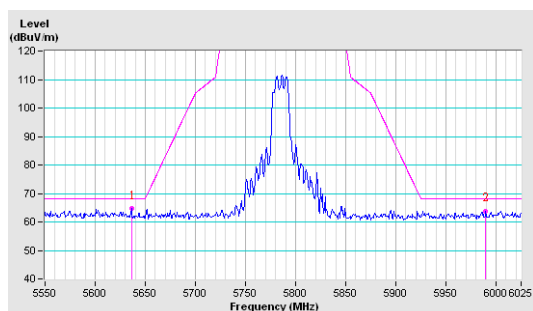


Vertical

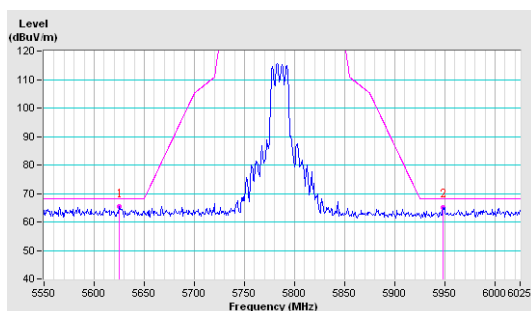


CH 157 5785 MHz

Horizontal

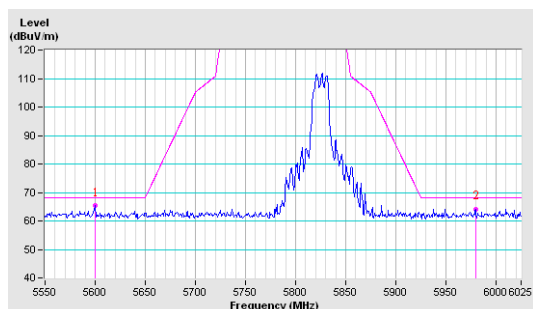


Vertical

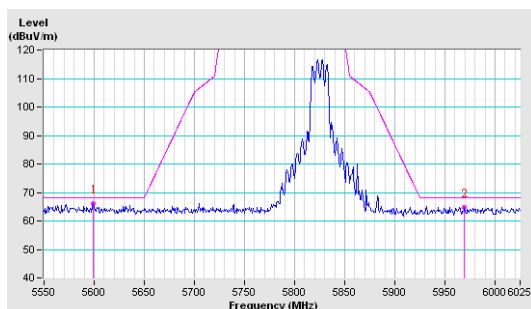


CH 165 5825 MHz

Horizontal



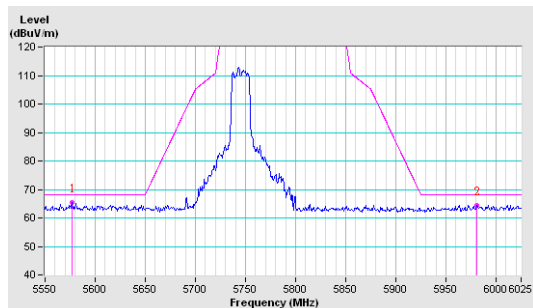
Vertical



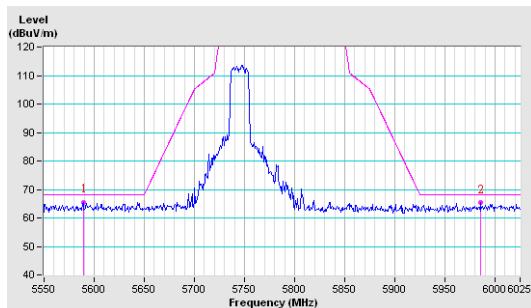
## 802.11ac (VHT20)

### CH 149 5745 MHz

#### Horizontal

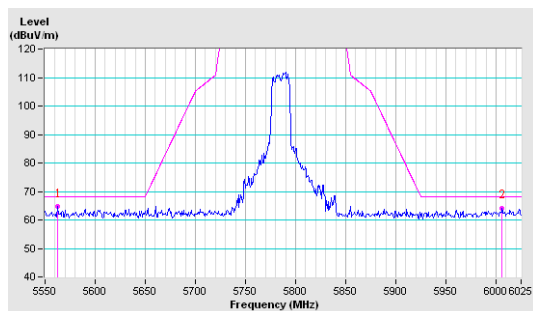


#### Vertical

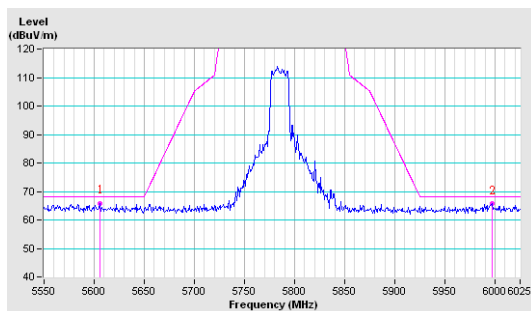


### CH 157 5785 MHz

#### Horizontal

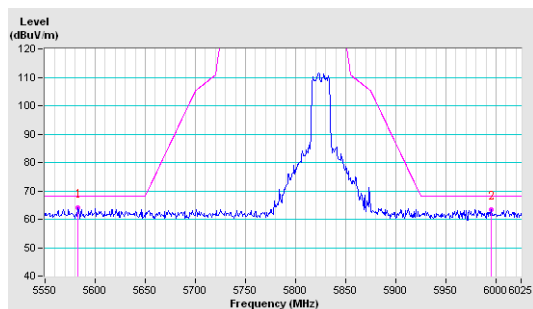


#### Vertical

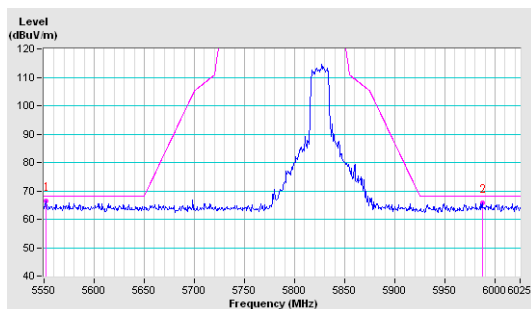


### CH 165 5825 MHz

#### Horizontal



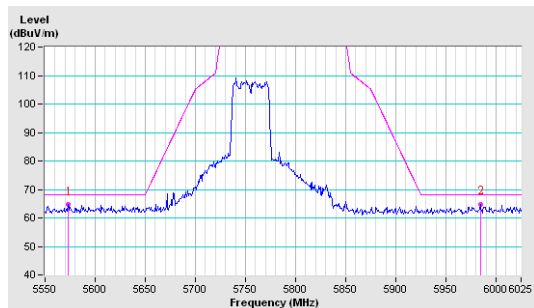
#### Vertical



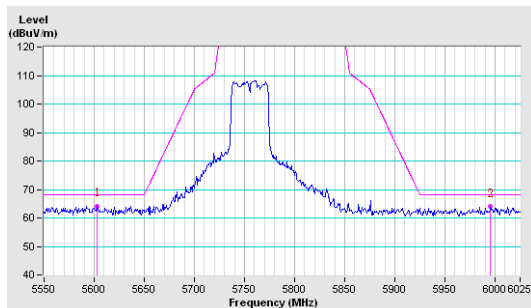
# 802.11ac (VHT40)

CH 151 5755 MHz

Horizontal

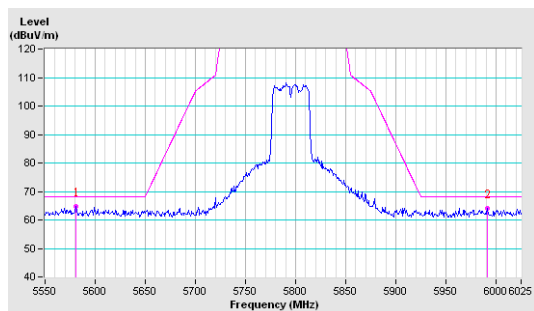


Vertical

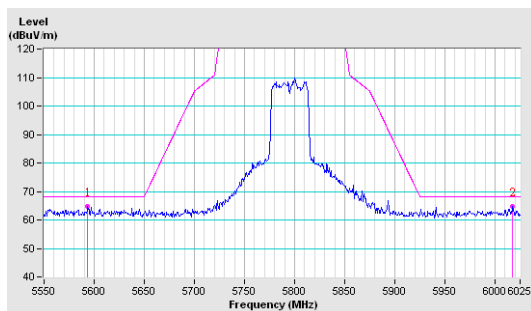


CH 159 5795 MHz

Horizontal



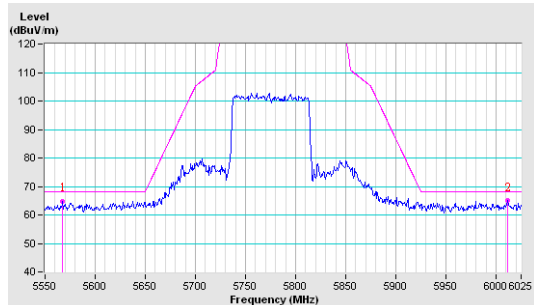
Vertical



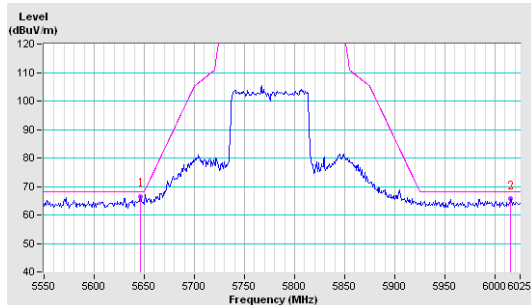
# 802.11ac (VHT80)

CH 155 5775 MHz

## Horizontal



## Vertical



## Appendix – Information on the Testing Laboratories

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

If you have any comments, please feel free to contact us at the following:

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

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